REGULAR MEETING
OF THE MADERA CITY COUNCIL

205 W. 4th Street, Madera, California 93637

NOTICE AND AGENDA

Wednesday, July 20, 2016
6:00 p.m.

Council Chambers
City Hall

CALL TO ORDER

ROLL CALL: **Mayor Robert L. Poythress**
Mayor Pro Tem Charles F. Rigby
Council Member Andrew J. Medellin
Council Member Donald E. Holley
Council Member Derek O. Robinson Sr.
Council Member William Oliver
Council Member Cece Foley Gallegos

INVOCATION: Pastor Tim Echevarria, New Harvest Christian Fellowship

PLEDGE OF ALLEGIANCE:

PUBLIC COMMENT:

The first fifteen minutes of the meeting are reserved for members of the public to address the Council on items which are within the subject matter jurisdiction of the Council. Speakers shall be limited to three minutes. Speakers will be asked to identify themselves and state the subject of their comment. If the subject is an item on the Agenda, the Mayor has the option of asking the speaker to hold the comment until that item is called. Comments on items listed as a Public Hearing on the Agenda should be held until the hearing is opened. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Council does not respond to public comment at this time.

PRESENTATIONS

1. Proclamation Recognizing U.S. Coast Guard Retiree Kenneth D. Miller
2. Presentation of a $1.4 Million Grant Award from the FAA to the City of Madera for the Madera Airport Apron Reconstruct Project – Phase II

A. WORKSHOP

There are no items for this section.

B. CONSENT CALENDAR

B-1 Minutes – There are no minutes for consideration.

B-2 Information Only – Warrant Disbursement Report

B-3 A. Consideration of a Resolution Awarding Construction Contract for the Apron Reconstruction Phase II Project at Madera Municipal Airport to Granite Construction, Inc. in the Amount of $1,208,874 and Authorizing Contingencies of up to Ten Percent (10%) as Approved by the City Engineer and Authorizing the Mayor to Execute the Agreement on Behalf of the City

B. Consideration of a Resolution Approving an Agreement with Reinard W. Brandley for Professional Services for the Engineering Services for Construction Surveillance, Resident Engineering, Testing and Inspection in Connection with the Apron Reconstruction Phase II Project at the Madera Municipal Airport and Authorizing the Mayor to Execute the Agreement on Behalf of the City (Report by Dave Randall)

B-4 Consideration of a Resolution Approving an Agreement for Special Services Between the City of Madera and the Law Firm of Liebert Cassidy Whitmore and Authorizing the Mayor to Execute the Agreement (Report by Wendy Silva)

B-5 Consideration of a Resolution Approving a Third Amendment to the Employment Agreement with the Executive Director of the Successor Agency to the Former Madera Redevelopment Agency (Report by Wendy Silva)

B-6 Consideration of a Resolution Approving the VantageTrust II Multiple Collective Investment Funds Trust Participation Agreement for the VantageCare Retirement Health Savings Plan (Report by Wendy Silva)

B-7 Consideration of a Resolution of the City Council of the City of Madera Approving an Agreement with James G. Palmer Appraisals, Inc. for Professional Appraisal Services for Easements and Land Acquisition on the Sharon Boulevard Infrastructure Project and Authorizing the Mayor to Execute the Agreement (Report by Keith Helmuth)

B-8 Consideration of a Resolution Approving an Amendment to the Chief of Police At-Will Employment Agreement to Capture Existing Benefits and Authorizing the City Administrator to Execute the Amendment (Report by Wendy Silva)

C. HEARINGS, PETITIONS, BIDS, RESOLUTIONS, ORDINANCES, AND AGREEMENTS

C-1 Public Hearing and Consideration of a Resolution Establishing Appropriation Limits for Fiscal Year 2016/2017 (Report by Tim Przybyla)

C-2 Public Hearing to Consider the Community Development Block Grant Review and Advisory Committee Recommendations and Request for Council to Make Tentative Allocations for the 2016/2017 Action Plan (Report by Ivette Iraheta)

C-3 A. Consideration of A Minute Order Approving Engineer's Report for City Wide Landscape and Lighting Assessment District Zones of Benefit 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 for 2016/17 Fiscal Year

B. Consideration of A Resolution of Intention to Levy and Collect Annual Assessments for City Wide Landscape and Lighting Assessment District Zones of Benefit 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 for Fiscal Year 2016/2017 and Setting Date for Public Hearing (Report by Keith Helmuth)

D. WRITTEN COMMUNICATIONS

D-1 Consideration of a Request from Pastor Roger Leach for a Resolution in Support of the "In God We Trust" Motto for the Council Chambers

E. ADMINISTRATIVE REPORTS

E-1 Consideration of a Resolution Approving the Purchase of an Easement Over Real Property, and Accepting Two Easement Deeds as Donations from Property Owners, on Behalf of the City of Madera, in Connection with the MAX Bus Shelters and Amenities Project (Report by Keith Helmuth)

E-2 Consideration of a Request to Designate a Voting Delegate and Alternate for the League of California Cities Annual Conference (Report by Sonia Alvarez)

F. COUNCIL REPORTS

G. CLOSED SESSION

There are no items for this section.

ADJOURNMENT – Next regular meeting August 3, 2016

- Please silence or turn off cell phones and electronic devices while the meeting is in session.
- Regular meetings of the Madera City Council are held the 1st and 3rd Wednesday of each month at 6:00 p.m. in the Council Chambers at City Hall.
- Any writing related to an agenda item for the open session of this meeting distributed to the City Council less than 72 hours before this meeting is available for inspection at the City of Madera Office of the City Clerk, 205 W. 4th Street, Madera, California 93637 during normal business hours.
- The meeting room is accessible to the physically disabled, and the services of a translator can be made available. Request for additional accommodations for the disabled, signers, assistive listening devices, or translators needed to assist participation in this public meeting should be made at least seventy two (72) hours prior to the meeting. Please call the Human Resources Office at (559) 661-5401. Those who are hearing impaired may call 711 or 1-800-735-2929 for TTY Relay Service.
- Questions regarding the meeting agenda or conduct of the meeting, please contact the City Clerk's office at (559) 661-5405.
- Para asistencia en Español sobre este aviso, por favor llame al (559) 661-5405.

I, Sonia Alvarez, City Clerk for the City of Madera, declare under penalty of perjury that I posted the above agenda for the regular meeting of the Madera City Council for July 20, 2016, near the front entrances of City Hall at 3:00 p.m. on July 15, 2016.

Sonia Alvarez, City Clerk

Return to Agenda

Madera City Council Agenda 07/20/16
Agenda Item B-1

There are no minutes for consideration.

Return to Agenda

City of Madera

Council Meeting Of July 20th, 2016
Agenda Item No. B-2

Memorandum To: The Honorable Mayor,
City Council and City Administrator

From: Office of the Director of Finance

Subject: Listing of Warrants Issued

Date: 07/20/2016

Attached, for your information, is the register of the warrants for the City of Madera covering obligations paid during the period of:

June 28th, 2016 to July 11th, 2016

Each demand has been audited and I hereby certify to their accuracy and that there were sufficient funds for their payment.

General Warrant:	204715-204902	$	435,523.88
Wire Transfer	Union Bank Payroll and Taxes	$	613,205.77
Wire Transfer	SDI	$	1,803.54
Wire Transfer	Cal Pers	$	2,500.00

Respectfully submitted,

Patricia Barboza
Financial Services Manager

CITY OF MADERA
REGISTER OF AUDITED DEMANDS FOR BANK #1-UNION BANK GENERAL ACCOUNT
July 11th, 2016

CHECK	PAY DATE	ISSUED TO	DESCRIPTION	AMOUNT
204715	6/30/2016	VEGA, VIOLETA	PARK DEPOSIT REFUND	50.00
204716	6/30/2016	GIERSCH, BERNADETTE	PARK DEPOSIT REFUND	100.00
204717	6/30/2016	COX, JEFF	PARK DEPOSIT REFUND	50.00
204718	6/30/2016	RAMIREZ, GRACE	PARK DEPOSIT REFUND	100.00
204719	6/30/2016	ALVAREZ, GLORIA	PARK DEPOSIT REFUND	100.00
204720	6/30/2016	ALL VALLEY ADMINISTRATORS	MEDICAL & CHILD CARE EXP 06/29/2016 PR	689.50
204721	6/30/2016	AMERICAN MOBILE SHREDDING	SHREDDING SVS	280.00
204722	6/30/2016	BSK ASSOCIATES	WATER SAMPLES	665.00
204723	6/30/2016	BASILA CONSTRUCTION	NEW OFFICE	1,850.00
204724	6/30/2016	CALIFORNIA DEPARTMENT OF JUSTICE	BLOOD ANALYSIS MAY 2016	595.00
204725	6/30/2016	CALIFORNIA FORENSIC INSTITUTE	PRE-EMPLOYMENT PSYCH EXAM	400.00
204726	6/30/2016	CEDAR VETERINARY HOSPITAL, INC	K-9 EXAM	185.38
204727	6/30/2016	COLONIAL LIFE & ACCIDENT INSURANCE CO	E700482-3 FOR 07/01/2016 PAYROLL	1,042.48
204728	6/30/2016	COMCAST	06/14- 07/13 SVS 8155500320092096	122.14
204729	6/30/2016	COMCAST	CITY INTERNET CONNECTION 06/15- 07/14/16	1,520.00
204730	6/30/2016	CORE BUSINESS INTERIORS	FURNITURE	291.52
204731	6/30/2016	DIAMOND COMMUNICATIONS	SEWER LIFT STATION MONITORING	115.00
204732	6/30/2016	ADMINISTRATIVE SOLUTIONS INC.	FUNDS ON DEPOSIT FOR MEDICAL CLAIMS	40,000.00
204733	6/30/2016	SHIU CHI TSAI	Utility Billing Deposit Refund	206.99
204734	6/30/2016	CREAMER DIANE L	Utility Billing Deposit Refund	42.63
204735	6/30/2016	PISTORESI INVESTMENTS	Utility Billing Deposit Refund	59.15
204736	6/30/2016	PETILLA RODOLFO	Utility Billing Credit Refund	116.15
204737	6/30/2016	VERDUZCO EVERARDO	Utility Billing Deposit Refund	29.54
204738	6/30/2016	PISTORESI MIKE LOS ARCOS	Utility Billing Deposit Refund	40.74
204739	6/30/2016	PARKEY PAUL AND VALERIE OR CITY OF MADERA	Utility Billing Credit Refund	179.31
204740	6/30/2016	CITY OF MADERA OR PENNINGTON DANEILE	Utility Billing Credit Refund	251.27
204741	6/30/2016	SANCHEZ AURELIA	Utility Billing Credit Refund	151.14
204742	6/30/2016	SANTIAGO-LUIS MAURO CIRILO	Utility Billing Credit Refund	177.46
204743	6/30/2016	GOMEZ MARTIN	Utility Billing Credit Refund	59.49
204744	6/30/2016	EVANS DANIEL	Utility Billing Credit Refund	119.25
204745	6/30/2016	BENZLER CHRYSTAL OR CITY OF MADERA	Utility Billing Credit Refund	65.16
204746	6/30/2016	SANTOS ANGELINA	Utility Billing Credit Refund	85.27
204747	6/30/2016	CITY OF MADERA OR BOEHM KASSANDRA	Utility Billing Credit Refund	150.47
204748	6/30/2016	CITY OF MADERA OR ALCANTARA LEDESMA DELF ARIAS SANCH	Utility Billing Credit Refund	150.38
204749	6/30/2016	CITY OF MADERA OR AGUILERA ESCOBAR MARCO	Utility Billing Credit Refund	150.37
204750	6/30/2016	DUNBAR ALLEN	Utility Billing Credit Refund	150.35
204751	6/30/2016	GUTIERREZ VICTORIA ESTRELLA	Utility Billing Credit Refund	165.15
204752	6/30/2016	CALDERON RODOLFO	Utility Billing Credit Refund	110.94
204753	6/30/2016	MERINO PEREZ CHRISTINA	Utility Billing Credit Refund	158.53
204754	6/30/2016	MENDOZA GARCIA LUIS	Utility Billing Deposit Refund	8.13
204755	6/30/2016	CITY OF MADERA OR ZARAGOZA CLAUDIA GONZA	Utility Billing Credit Refund	5.68
204756	6/30/2016	GARCIA PATRICK	Utility Billing Deposit Refund	50.74
204757	6/30/2016	HOT LOCAL DEALS REALTY	Utility Billing Credit Refund	167.02
204758	6/30/2016	ORIOLE HOMES, INC	Utility Billing Credit Refund	150.00
204759	6/30/2016	BRAR HOLDINGS INC	Utility Billing Deposit Refund	3.42
204760	6/30/2016	KIGHT NORMAN V AND WANDA MAE	Utility Billing Deposit Refund	15.12
204761	6/30/2016	REYES BAUDELIO B	Utility Billing Credit Refund	260.82
204762	6/30/2016	SPECIALTY PAINT AND BODY WORKS	Utility Billing Deposit Refund	249.55
204763	6/30/2016	STICKMAN JENNIFER	Utility Billing Deposit Refund	13.27
204764	6/30/2016	FRESNO COUNTY FEDERAL CREDIT UNION	Utility Billing Credit Refund	94.66
204765	6/30/2016	GRIFFIN SUSAN	Utility Billing Credit Refund	135.28
204766	6/30/2016	JACKSON BRITTNEY	Utility Billing Credit Refund	227.24
204767	6/30/2016	NELSON AARON AND BLAIR	Utility Billing Deposit Refund	86.86
204768	6/30/2016	GONZALEZ MANUELA	Utility Billing Deposit Refund	120.00
204769	6/30/2016	CITY OF MADERA OR SANCHEZ ALLAN	Utility Billing Credit Refund	213.82
204770	6/30/2016	ESCHEIK FARIS/ MADERA MANAGEMENT COMPANY	Utility Billing Deposit Refund	68.48
204771	6/30/2016	ROBINSON CLARENCE AND BALAKIAN GINGER	Utility Billing Credit Refund	181.58
204772	6/30/2016	DO KHAI	Utility Billing Deposit Refund	72.29
204773	6/30/2016	GIRON RAMIREZ BENITO	Utility Billing Credit Refund	151.65
204774	6/30/2016	SUTTON LASHUNNA AND DENNIS	Utility Billing Credit Refund	162.48
204775	6/30/2016	LEE MARGARET	Utility Billing Deposit Refund	27.16

204776	6/30/2016	ZAQUERO FLORENCIO AND CENABIO MARTHA L/ OR CITY OF M	Utility Billing Credit Refund	157.08
204777	6/30/2016	JOHNSON MICHARL ANTHONY	Utility Billing Credit Refund	73.45
204778	6/30/2016	MORALES-MENDEZ JUAN	Utility Billing Deposit Refund	93.96
204779	6/30/2016	SANCHEZ MARTHA	Utility Billing Deposit Refund	40.95
204780	6/30/2016	CITY OF MADERA OR JAUREGUI JAUREGUI JOEL	Utility Billing Credit Refund	150.42
204781	6/30/2016	BARAJAS ROSEMARY ANN OR CITY OF MADERA	Utility Billing Credit Refund	150.38
204782	6/30/2016	ROZANCE JOHN OR CITY OF MADERA	Utility Billing Credit Refund	150.38
204783	6/30/2016	NAZ AFTAB MD	Utility Billing Deposit Refund	69.48
204784	6/30/2016	AYALA MARTIN AND JOAN	Utility Billing Credit Refund	188.79
204785	6/30/2016	ZAMORA RAUL	Utility Billing Deposit Refund	17.03
204786	6/30/2016	CHOHAN DALJIT	Utility Billing Credit Refund	170.32
204787	6/30/2016	NIS PROPERTIES LLC	Utility Billing Deposit Refund	44.01
204788	6/30/2016	ORIOLE HOMES, INC	Utility Billing Deposit Refund	139.50
204789	6/30/2016	MARKLEY RICK	Utility Billing Deposit Refund	71.18
204790	6/30/2016	BRAR HOLDINGS LLC	Utility Billing Deposit Refund	50.97
204791	6/30/2016	JAKUSZ PROPERTY MAINTENANCE	JUNE 2016 MONTHLY MAINTENANCE	12,284.00
204792	6/30/2016	ESPINOZA SEWER SERVICE	TOILET SERVICE	50.00
204793	6/30/2016	FACT AUTOMATED ENTRANCES, INC.	DOOR REPLACEMENT	22,650.00
204794	6/30/2016	FRESNO BEE, THE	JOB RECRUITMENT ADS	2,104.50
204795	6/30/2016	FRESNO CITY COLLEGE	REGISTRATIONS FOR 2016 SPRING ACADEMY	1,794.00
204796	6/30/2016	GOLDEN STATE OVERNIGHT	OVERNIGHT SHIPPING	30.73
204797	6/30/2016	HERTZ EQUIPMENT RENTAL	WATER TRUCK RENTAL	1,583.28
204798	6/30/2016	JORGENSEN COMPANY	EXTINGUISHER RECHARGE	30.00
204799	6/30/2016	PARKS & COMMUNITY SERVICES DPT	PETTY CASH REIMBURSEMENT	165.83
204800	6/30/2016	LANDSCAPE STRUCTURES INC.	CENTENNIAL PARK PLAYGROUND EQUIPMENT	13,658.30
204801	6/30/2016	LANGUAGE LINE SERVICES, INC.	TRANSLATION SVS	13.25
204802	6/30/2016	LAW & ASSOCIATES	BACKGROUND CHECKS	1,200.00
204803	6/30/2016	MADERA CLEANERS & LAUNDRY	YOUTH CENTER FLOOR MAT SVS	32.30
204804	6/30/2016	MADERA HONDA SUZUKI	MOTORCYCLE REPAIRS	6.08
204805	6/30/2016	MADERA TRIBUNE	PUBLISH ORD 934 C.S.	201.60
204806	6/30/2016	M.G. PAVING COMPANY	UPRR CROSSING GRANANDA/PECAN FINAL PMT	22,760.00
204807	6/30/2016	N.P.C.-ORCHARD TRUST COMPANY	PLAN #340227-01 FOR 07/01/2016 PAYROLL	6,373.96
204808	6/30/2016	N.P.C.-ORCHARD TRUST COMPANY	PLAN #340227-02 FOR 07/01/2016 PAYROLL	3,237.04
204809	6/30/2016	ONTRAC	OVERNIGHT SHIPPING	14.36
204810	6/30/2016	P G AND E	06/16 SVS 3819620697-3	3,390.34
204811	6/30/2016	JAIN, RAEANNE	CLASS CANCELLATION REFUND	40.00
204812	6/30/2016	ALONZO, RENE	SPORT CANCELLATION REFUND	45.00
204813	6/30/2016	BETANCOURT, MATTHEW	PARK DEPOSIT REFUND	50.00
204814	6/30/2016	ATKINS, BRENDA	FACILITY DEPOSIT REFUND	50.00
204815	6/30/2016	SPARKS, MATTHEW	FACILITY CANCELLATION REFUND	310.00
204816	6/30/2016	HERNANDEZ, CARLA	PARK DEPOSIT REFUND	100.00
204817	6/30/2016	FAIAD, MICHELLE	PARK DEPOSIT REFUND	50.00
204818	6/30/2016	REGALADO, RICHARD	PARK DEPOSIT REFUND	50.00
204819	6/30/2016	IBARRA, PAMELA	PARK DEPOSIT REFUND	50.00
204820	6/30/2016	BELTRAN, STEVEE	PARK DEPOSIT REFUND	100.00
204821	6/30/2016	BARRON, MARIA	PARK DEPOSIT REFUND	50.00
204822	6/30/2016	QUINTANILLA, CHARLOTTE	FACILITY DEPOSIT REFUND	100.00
204823	6/30/2016	FLORES, RUBY	PARK DEPOSIT REFUND	50.00
204824	6/30/2016	ROCHA, ALFREDO	FACILITY DEPOSIT REFUND	100.00
204825	6/30/2016	ANDEOLA, ANGELA	PARK DEPOSIT REFUND	50.00
204826	6/30/2016	TIJEROS, JESUS	PARK DEPOSIT REFUND	50.00
204827	6/30/2016	DIAZ, EDGAR	PARK DEPOSIT REFUND	50.00
204828	6/30/2016	PEQUENOS EMPRESARIOS	PARK DEPOSIT REFUND	50.00
204829	6/30/2016	CISNEROS, MARIA	FACILITY DEPOSIT REFUND	100.00
204830	6/30/2016	WILLIAMS, RICHARD	PARK DEPOSIT REFUND	50.00
204831	6/30/2016	CORTEZ, SUSAN	PARK DEPOSIT REFUND	50.00
204832	6/30/2016	RUBIO, FELICIANO	FACILITY DEPOSIT REFUND	100.00
204833	6/30/2016	PECK'S PRINTERY	BUSINESS CARDS	106.38
204834	6/30/2016	HERNANDEZ, JEANETTE	PARK DEPOSIT REFUND	100.00
204835	6/30/2016	COMMUNITY ACTION PARTNERSHIP OF	PARK DEPOSIT REFUND	50.00
204836	6/30/2016	PIERCE CONSTRUCTION	ASPHALT PATCHING	3,946.31
204837	6/30/2016	PITNEY BOWES GLOBAL FINANCIAL SERVICES	QTRLY EQUIPMENT RENTAL 03/30/16-06/29/16	367.68
204838	6/30/2016	PITNEY BOWES, INC.	QTRLY EQUIPMENT RENTAL 03/30/16-06/29/16	167.79
204839	6/30/2016	PLAYCRAFT DIRECT INC.	PLAYGROUND	37,561.78
204840	6/30/2016	POLYDYNE INC.	BIOSOLIDS DEWATERING	5,365.44
204841	6/30/2016	PROVOST & PRITCHARD CONSULTING GROUP	UWMP RESEARCH	17,396.10

204842	6/30/2016	RON'S TOWING & ROAD SERVICE	ROAD SERVICES	530.00
204843	6/30/2016	SAFETY NETWORK, INC.	UPRR CROSSING PECAN/GRANADA FINAL PMT	5,195.00
204844	6/30/2016	SWAN COURT CONFERENCE CENTER, INC.	CSMFO LUNCHEON	575.73
204845	6/30/2016	TAG/AMS, INC.	DOT TESTING	232.00
204846	6/30/2016	TECHNICON ENGINEERING SVCS., INC.	PROJECT PK-61 PROGRESS PMT #2	618.00
204847	6/30/2016	TESEI PETROLEUM, INC.	FUEL	793.39
204848	6/30/2016	TESEI PETROLEUM INC.	FUEL CHARGES 06/11/16- 06/20/16	10,125.68
204849	6/30/2016	THOMSON REUTERS	LEGAL SOLUTIONS SUBSCRIPTION	504.27
204850	7/7/2016	MCGUIRE, NOLAN	CONTIGENCY CHNG ORDER #1 12-CALHOME-8711	8,992.63
204851	7/7/2016	AT&T	PD PRIVATE LINE SVS 06/19-07/18	378.42
204852	7/7/2016	AT&T	06/16 CALNET 3 SVS 9391031570	1,300.59
204853	7/7/2016	AT&T	06/16 CALNET 3 SVS 9391031576	1,860.63
204854	7/7/2016	AL-PHASE MEDALLION - FRESNO	VFD WWTP	9,087.07
204855	7/7/2016	BSK ASSOCIATES	WATER SAMPLES	665.00
204856	7/7/2016	BUGGY SHOWER CAR WASH	PD CAR WASHES MAY 2016	291.57
204857	7/7/2016	DIVISION OF THE STATE ARCHITECT	SB 1186 FEES QTR 4 FY 15/16	33.60
204858	7/7/2016	CALIFORNIA STATE UNIV. FRESNO FOUNDATION	SMALL BUSINESS DEVELOPMENT WORSKSHOP	5,941.74
204859	7/7/2016	DEPARTMENT OF CONSERVATION	4TH QUARTER 15/16 SMIP FEE REPORTING	1,626.71
204860	7/7/2016	MADERA TROPHY	SPORTS AWARD TROPHIES/MEDALS	328.32
204861	7/7/2016	CD PUBLICATIONS	ANNUAL RENEWAL FY 16/17	838.00
204862	7/7/2016	COMCAST	06/22-07/21 SVS 8155500320322006	90.85
204863	7/7/2016	CONCENTRA MEDICAL CENTERS	PRE-EMPLOYMENT PHYSICALS	317.00
204864	7/7/2016	CPS HR CONSULTING	DISPATCHER WRITTEN EXAM	587.65
204865	7/7/2016	CORELOGIC INFORMATION SOLUTIONS INC	METROSCAN 06/16	150.00
204866	7/7/2016	COSTTREE, LLC	ANNUAL LICENSE AGREEMENT 06/16-06/17	2,499.00
204867	7/7/2016	CREATIVE COPY	DAR DISABLED TICKETS #70001-71000	136.61
204868	7/7/2016	DMP DEVELOPMENT CORP.	PRMT #4965 REIMB FEES PD ON PERMIT #4832	684.48
204869	7/7/2016	DIAMOND COMMUNICATIONS	ALARM REPAIR AT YOUTH CENTER	550.00
204870	7/7/2016	ADMINISTRATIVE SOLUTIONS INC.	PD RETIREE MED BILL 15/16 MAR-JUN 2016	17,917.76
204871	7/7/2016	FIRE SAFETY SOLUTIONS, LLC	FIRE PROTECTION ENG SVS 06/16-06/30/16	8,025.00
204872	7/7/2016	INFO-TECH RESEARCH GROUP INC.	CONSULTING SERVICES 06/30/16-06/30/17	4,875.00
204873	7/7/2016	LIEBERT CASSIDY WHITMORE	LEGAL FEES - GENERAL	4,056.50
204874	7/7/2016	LINCOLN FINANCIAL	LIFE & LTD INSURANCE JULY 2016	7,398.86
204875	7/7/2016	LOCAL AGENCY FORMATION COMMISSION	MADERA LAFCO APP FEE-PARKSDALE ANNEX	50.00
204876	7/7/2016	LOCAL AGENCY FORMATION COMMISSION	MADERA LAFCO APP FEE-PARKSDALE ANNEX	2,344.00
204877	7/7/2016	CITY OF MADERA	LOW FLOW TOILET REBATE 3005 MAPLE ST	50.00
204878	7/7/2016	MADERA TRIBUNE	HELP WANTED AD-PUBLIC SAFETY DISPATCHER	120.36
204879	7/7/2016	MADERA TRIBUNE	ORR-RFQ FOR CONTRACTORS CAL-HOME	122.40
204880	7/7/2016	PACIFIC GAS & ELECTRIC	05/16 SVS 9920095153-3	49,468.36
204881	7/7/2016	P G AND E	06/16 SVS 8126770647-1	407.92
204882	7/7/2016	VELASQUEZ, JOSEPH	PERDIEM G.R.E.A.T PROGRAM COURSE	400.00
204883	7/7/2016	FERNANDEZ, MARIA & ROGELIO	TURF REPLACEMENT REBATE 1654 JERRSON AVE	553.50
204884	7/7/2016	YTURRALDI, MIKE	CUSTOMER REGISTERED UNTIL 04/2017	50.00
204885	7/7/2016	SOLAR CITY CORP	CANCELLED PERMIT 20160511-329 S A ST	379.80
204886	7/7/2016	Principal Life Insurance Company	JULY 2016 DENTAL BILL	17,238.17
204887	7/7/2016	PUBLIC RESTROOM COMPANY	CENTENNIAL PARK-PROGRESS PMT	19,696.00
204888	7/7/2016	REGENCE BLUECROSSS BLUESHIELD OF UTAH	CITY PD RETIREE PRES BILL 7/16 CHUMLEY	276.60
204889	7/7/2016	SJVAPCD	ANNUAL PERMITS 16/17 WELL #18	631.00
204890	7/7/2016	SJVAPCD	ANNUAL PERMIT 16/17 WELL #26	252.00
204891	7/7/2016	SJVAPCD	ANNUAL PERMITS 16/17 WELL #17	252.00
204892	7/7/2016	SJVAPCD	ANNUAL PERMITS 16/17 WELL #16	252.00
204893	7/7/2016	SJVAPCD	ANNUAL PERMITS 16/17 205 W 4TH ST	123.00
204894	7/7/2016	SJVAPCD	ANNUAL PERMIT 16/17 13048 RD 21 1/2	2,043.00
204895	7/7/2016	SJVAPCD	ANNUAL PERMIT 16/17 1850 W CLEVELAND	84.00
204896	7/7/2016	SJVAPCD	ANNUAL PERMIT 16/17 716 COLUMBIA ST	84.00
204897	7/7/2016	SCRAP TIRE CO.	TRAILER SERVICE	1,200.00
204898	7/7/2016	Superior Vision Inc	JULY 2016 SUPERIOR VISION	2,346.39
204899	7/7/2016	TBWB STRATEGIES	FEE PMT MAR - JUN SERVICES/C HEATH MLGS	20,330.00
204900	7/7/2016	TIM R. TRULL ELECTRIC, INC.	ELECTRICAL WORK - PAN AM	1,378.66
204901	7/7/2016	VILLA GARDENING SERVICE INC	JUNE 2016 GARDENING SVS-ACCORNERO PARK	275.00
204902	7/7/2016	VERIZON WIRELESS	PW/SW & WWTP AIR CARDS MAY 11 - JUN 10	4,817.70
			Bank # 1 - Union Bank General Account Total	435,523.88

Return to Agenda

REPORT TO CITY COUNCIL

MEETING DATE: July 20, 2016

AGENDA ITEM NUMBER: B-3

Approved By:

PUBLIC WORKS OPERATIONS DIRECTOR

CITY ADMINISTRATOR

SUBJECT:

A. Consideration of a Resolution Awarding Construction Contract for the Apron Reconstruction Phase II Project at Madera Municipal Airport to Granite Construction, Inc. in the Amount of $1,208,874 and Authorizing Contingencies of up to Ten Percent (10%) as Approved by the City Engineer and Authorizing the Mayor to Execute the Agreement on Behalf of the City

B. Consideration of a Resolution Approving an Agreement with Reinard W. Brandley for Professional Services for the Engineering Services for Construction Surveillance, Resident Engineering, Testing and Inspection in Connection with the Apron Reconstruction Phase II Project at the Madera Municipal Airport and Authorizing the Mayor to Execute the Agreement on Behalf of the City

RECOMMENDATION: Staff recommends that the City Council approve the award of the construction contract for the Apron Reconstruction Phase II Project at the Madera Municipal Airport to Granite Construction Company in the amount of $1,208,874.00 and authorize contingencies of up to ten percent (10%) as approved by the City Engineer and additionally, approve an agreement with Reinard W. Brandley for engineering services, construction surveillance, testing and inspection related to the project in an amount not to exceed $149,000.

DISCUSSION: City of Madera will utilize grant funds from the Federal Airport Improvement Program (AIP) for the purpose of reconstructing approximately 179,500 square feet of the General Aviation Apron at the airport. FAA has approved the Plans and Specifications for the work and dollar amounts for the proposed construction contract with Granite Construction Company.

BIDDING AND CONTRACTOR SELECTION

The construction project was duly advertised. On May 5, 2016, four (4) bids were received, opened and read as required. Bid results:

1.	Granite Construction Company	$1,208,874.00
2.	Teichert Construction	$1,415,825.00
3.	Cal Valley Construction	$1,435,668.00
4.	American Paving Company	$1,730,115.00
	Engineer's Estimate	$1,484,285.00

The bid proposals were reviewed for correctness and conformance with the Bid Documents and contractor licensing and Federal Disadvantage Business Enterprise (DBE) requirements.

In addition to Granite Construction being selected to reconstruct the general aviation apron, the engineering firm of Reinard W. Brandley has been selected to provide engineering services for construction surveillance, resident engineering, testing and inspection during the length of the project. The scope and cost of the engineering services, as proposed by Reinard W Brandley, Consulting Airport Engineer, reflect the project as approved by the FAA.

The engineering firm of Reinard W. Brandley, Consulting Airport Engineer has been used on several of the City's previous airport projects due to their unique knowledge of the City of Madera Municipal Airport, skill in airport engineering/design and knowledge of FAA processes. As a result, due to the nature/timeliness of FAA discretionary funding, staff recommends entering into an agreement with Reinard Brandley. The City's purchasing policy recognizes that competitive bidding for specialized services is not in the best public interest because it may lead to employment of the least qualified, rather than the best qualified, as should be the objective, and the requested services fall well within the City's policy.

FINANCIAL IMPACT: The total cost of the project is $1,357,874, plus 10% for contingencies and is broken down as follows:

Construction Cost	$1,208,874
10% Construction Contingency	$ 120,887
Consulting Engineer	$ 149,000
Total Construction Project Budget	$1,478,761

FAA has made $1,370,587.00 available via FAA AIP Grant #3-06-0144-027 to pay 90% of all eligible design engineering, contract administration, construction, testing and inspection costs for the project. Additionally, the City is in the process of submitting an application to CALTrans Division of Aeronautics for matching funds in the amount of $68,529.00. If approved, the Airport Operations Fund will cover the remaining $83,758.00 for the City's share. However, this will increase to $152,287.00 if the application is not approved by CALTrans Division of Aeronautics.

Sufficient funds are available in the Airport Fund for the City's share of the project. There is no impact to any General Fund account.

VISIONING: Approval of this item is not specifically addressed in the Vision or Action Plans. The requested action is not in conflict with any of the action or goals contained in the Plan.

RESOLUTION NO._____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA, CALIFORNIA, APPROVING THE AWARD OF THE CONSTRUCTION CONTRACT FOR APRON RECONSTRUCTION PHASE II PROJECT TO GRANITE CONSTRUCTION, INC. IN THE AMOUNT OF $1,208,874 AND AUTHORIZING CONTINGENCIES OF UP TO TEN PERCENT (10%) AS APPROVED BY THE CITY ENGINEER, AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT ON BEHALF OF THE CITY OF MADERA

WHEREAS, the City of Madera (the "City") has advertised for bids for construction of the Apron Reconstruction Phase II Project (the "Project"); and

WHEREAS, bids were duly received, processed and opened by the City Engineering Department and the Airport Division and checked for compliance with the Bid Documents; and

WHEREAS, Granite Construction, Inc. complied with the Bid Documents and was the lowest responsible bidder on the Project.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MADERA finds, orders and determines as follows:

1. The above recitals are true and correct.
3. The low bid submitted by Granite Construction, Inc. is responsive.
4. The construction contract for Madera Airport Apron Reconstruction Phase II project, a copy of which is on file in the office of the City Clerk and referred to for particulars, is awarded to Granite Construction, Inc. in the amount of $1,208,874 and contingencies of up to ten percent (10%) as approved by the City Engineer are authorized.

5. The Mayor is authorized to execute the contract on behalf of the City of Madera.
6. This Resolution is effective immediately upon adoption.

RESOLUTION NO._____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA, CALIFORNIA, APPROVING AN AGREEMENT WITH REINARD W. BRANDLEY FOR PROFESSIONAL SERVICES FOR THE ENGINEERING SERVICES FOR CONSTRUCTION SURVEILLANCE, RESIDENT ENGINEERING, TESTING AND INSPECTION IN CONNECTION WITH THE APRON RECONSTRUCTION PHASE II PROJECT AT THE MADERA MUNICIPAL AIRPORT, AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT ON BEHALF OF THE CITY OF MADERA

WHEREAS, the City of Madera (the "City") plans to reconstruct approximately 179,500 sq. ft. of apron pavement for the Apron Reconstruction Phase II Project (the "Project"); and

WHEREAS, Reinard W. Brandley, Consulting Airport Engineer (the "Engineer"), has the unique skills and knowledge to provide the professional engineering tasks for the project at the Madera Municipal Airport; and

WHEREAS, the City and Engineer have prepared an agreement with terms satisfactory to both parties, with payments to Engineer not to exceed $149,000.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MADERA finds, orders and determines as follows:

1. The above recitals are true and correct.
2. The Agreement for Professional Engineering Services with Reinard W. Brandley, a copy of which is on file in the office of the City Clerk and referred to for particulars, is hereby approved.

3. The Mayor is authorized to execute the contract on behalf of the City of Madera.
4. This Resolution is effective immediately upon adoption.

SECTION D

AGREEMENT

THIS AGREEMENT, made and entered into this _____day of _____, 2016, by and between the CITY OF MADERA, a municipal corporation, (hereinafter referred to as "Owner"), and GRANITE CONSTRUCTION COMPANY, a corporation duly organized and existing under the laws of the State of California, (hereinafter referred to as "Contractor"), and will expire as of the completion of the terms of the Agreement,

WITNESSETH: That for and consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR shall commence and complete all WORK required to complete **Project 216-1; Reconstruct General Aviation Apron Phase 2; Madera Municipal Airport.**

2. The CONTRACTOR shall furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the WORK described herein.

3. The CONTRACTOR shall commence the WORK required by the CONTRACT DOCUMENTS within ten (10) calendar days after the date of the NOTICE TO PROCEED and will complete the same within the time period set forth in the CONTRACT DOCUMENTS. The CONTRACTOR shall submit a Payment Bond and Performance Bond in the amount of $1,208,874.00, each and Insurance Certificates as specified in the CONTRACT DOCUMENTS prior to commencing any WORK.

4. The CONTRACTOR agrees to perform all of the WORK described in the DOCUMENTS for the unit and lump sum prices set forth in Exhibit "A".

5. The term 'CONTRACT DOCUMENTS' means and includes the following:

   a. Advertisement for Bids
   b. Information for Bidders
   c. Bid
   d. Bid Bond
   e. Agreement
   f. Payment Bond
   g. Performance Bond
   h. Insurance Requirements for Contractors
   i. NOTICE OF AWARD
   j. NOTICE TO PROCEED
   k. CHANGE ORDER
   l. Federal Provisions
   m. State and Local General Provisions

n. Special Conditions Agreement - Addendum No. 2 Division II - Page D-2
o. SPECIFICATIONS prepared or issued by the City of Madera, Engineering Department, entitled, "**MADERA MUNICIPAL AIRPORT, MADERA, CALIFORNIA, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016, PROJECT 216-1,**" dated March 2016.
p. DRAWINGS prepared or issued by the City of Madera, Engineering Department numbered Sheets 1 through 19.
q. Appendix A - Construction Safety and Phasing Plan
r. Appendix B – Construction Management Plan
s. ADDENDA
No. 1, dated April 21, 2016
No. 2, dated April 26, 2016
No. 3, dated May 2, 2016
No. 4, dated May 4, 2016
No. _____, dated _____, 2016
No. _____, dated _____, 2016
t. Shop Drawings and Manufacturers' Instructions approved

6. In the event the CONTRACTOR does not complete the WORK within the time limit specified herein or within such further time as authorized, the CONTRACTOR shall pay to the OWNER liquidated damages in the amount of Eight Hundred Dollars ($800.00) per day for each and every calendar day's delay in finishing the WORK beyond the completion date so specified.

7. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS. For any moneys earned by the CONTRACTOR and withheld by the OWNER to ensure the performance of the Contract, the CONTRACTOR may, at his request and expense, substitute securities equivalent to the amount withheld in the form and manner and subject to the conditions provided in Division 2, Part 5, Section 22300 of the Public Contract Code of the State of California.

8. In the event of a dispute between the OWNER and the CONTRACTOR as to an interpretation of any of the specifications or as to the quality or sufficiency of material or workmanship, the decision of the OWNER shall for the time being prevail and the CONTRACTOR, without delaying the job, shall proceed as directed by the OWNER without prejudice to a final determination by negotiation, arbitration by mutual consent or litigation, and should the CONTRACTOR be finally determined to be either wholly or partially correct, the OWNER shall reimburse him for any added costs he may have incurred by reason of work done or material supplied beyond the terms of the contract as a result of complying with the OWNER'S directions as aforesaid. In the event the CONTRACTOR shall neglect to prosecute the work properly or fail to perform any provisions of the CONTRACT, the OWNER, after three days' written notice to the CONTRACTOR, may, without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or

thereafter due to the CONTRACTOR, subject to final settlement between the parties as in this paragraph herein above provided.

9. Attention is directed to Section 1735 of the Labor Code, which reads as follows: "No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical conditions, marital status, or sex of such persons except as provided in Section 12940 of the Government Code, and every contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter."

10. In accordance with the provisions of Article 5, Chapter I, Part 7, Division 2 (commencing with Section 1860) and Chapter 4, Part I, Division 4 (commencing with Section 3700) of the Labor Code of the State of California, the CONTRACTOR is required to secure the payment of compensation to his employees and shall for that purpose obtain and keep in effect adequate Workers' Compensation Insurance. The CONTRACTOR is aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the WORK of this Agreement.

11. The CONTRACTOR shall comply with Part 7, Chapter I, Article 2, Section 1773.8 of the Labor Code of the State of California. The CONTRACTOR shall make travel and subsistence payments to each workman needed to execute the work, as such travel and subsistence payments are defined in the applicable collective bargaining agreements.

12. The CONTRACTOR shall comply with Part 7, Chapter I, Article 2, Section 1775 of the Labor Code of the State of California. The CONTRACTOR shall, as a penalty to the OWNER, forfeit fifty dollars ($50.00) for each calendar day, or portion thereof, for each workman paid less than the prevailing rates as determined by the director for such work or craft in which such workman is employed for any public work done under the Contract by him or by any SUBCONTRACTOR under him. The difference between such prevailing wage rates and the amount paid to each workman for each calendar day or portion thereof for which each workman was paid less than a prevailing wage rate, shall be paid to each workman by the CONTRACTOR.

13. The CONTRACTOR shall comply with Part 7, Chapter I, Article 2, Section 1776 of the Labor Code of the State of California. The CONTRACTOR shall keep and require that all SUBCONTRACTORS keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice worker or other employee employed by him or her in connection with public work. Such payroll records shall be certified and shall be available for inspection at all reasonable hours at the principal office of the CONTRACTOR by the OWNER, its officers and agents and to the representatives of the Division of Labor Law Enforcement of the State Department of Industrial Relations. In the event of non-compliance with the requirements of Section 1776, the CONTRACTOR shall have 10 days in which to comply subsequent to receipt of written notice specifying in what respects the CONTRACTOR must comply. Should non-compliance still be evident after the ten (10) day

period, the CONTRACTOR shall, as a penalty forfeit to the OWNER twenty-five dollars ($25.00) for each calendar day, or portion thereof, for each worker until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards of the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

14. Attention is directed to the provisions of Sections 1777.5 and 1777.6 of the Labor Code concerning the employment of apprentices by the CONTRACTOR or any SUBCONTRACTOR under him. It is the CONTRACTOR'S responsibility to ensure compliance by both himself and all SUBCONTRACTORS. Section 1777.5 reads, in part, as follows: "The CONTRACTOR or SUBCONTRACTOR, if he/she is covered by this section, upon the issuance of the approval certificate, or if he/she has been previously approved in the craft or trade, shall employ the number of apprentices or the ratio of apprentices to journeyman stipulated in the apprenticeship standards. Upon proper showing by the CONTRACTOR that he/she employs apprentices in the craft or trade in the State on all of his/her contracts on an annual average of not less than one hour of apprentice work for every five hours of labor performed by a journeyman, or in the land surveyor classification, one apprentice for each five journeymen, the Division of Apprenticeship Standards may grant a certification exempting the CONTRACTOR from the 1 to 5 hourly ratio as set forth in this section. This section shall not apply to contracts of general CONTRACTORS or to contracts of specialty contractors not bidding for work through a general or prime CONTRACTOR, when the contracts of general CONTRACTORS, or those specialty CONTRACTORS involve less than thirty thousand dollars ($30,000) or 20 working days. Any work performed by a journeyman in excess of eight hours per day or 40 hours per week shall not be used to calculate the hourly ratio required by this section. "Apprenticeable craft or trade,' as used in this section, shall mean a craft or trade determined as an apprenticeable occupation in accordance with rules and regulations prescribed by the Apprenticeship Council. The joint apprenticeship committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator or Apprenticeship, exempting a CONTRACTOR from the 1 to 5 ratio set forth in this section when it finds that any one of the following conditions is met:

a. In the event unemployment for the previous three month period in such area exceeds an average of 15 percent, or

b. In the event the number of apprentices in training in such area exceeds a ratio of 1 to 5, or

c. If there is a showing that the apprenticeable craft or trade is replacing at least one-thirtieth of its journeymen annually through apprenticeship training, either (1) on a statewide basis, or (2) on a local basis.

d. If assignment of an apprentice to any work performed under a public works contract would create a condition which should jeopardize his life or the life, safety, or property of fellow employees, or the public at large or if the specific task to which the apprentice is to be assigned is of a nature that training cannot be provided by a journeyman.

"When such exemptions are granted to an organization which represents CONTRACTORS in a specific trade from the 1 to 5 ratio on a local or statewide basis the member CONTRACTORS will not be required to submit individual applications for approval to local joint apprenticeship committees, provided they are already covered by the local apprenticeship standards."

The CONTRACTOR is required to make contributions to funds established for the administration of apprenticeship programs if he employs registered apprentices or journeymen in apprenticeable trade on such contracts and if other CONTRACTORS on the public work site are making such contributions. The CONTRACTOR, and any SUBCONTRACTOR under him, shall comply with the requirements of Sections 1777.5 and 1777.6 of the Labor Code in the employment of apprentices. Information relative to number of apprentices, identifications, wages, hours of employment and standards of working conditions shall be obtained from the Division of Apprenticeship Standards. Consult the white pages of your telephone directory under California, State of, Industrial Relations, Apprenticeship Standards, for the telephone number and address of the nearest office.

Willful failure by the CONTRACTOR to comply with the provisions of 1777.5 will subject the CONTRACTOR to the penalties set forth in Section 1777.7 of the Labor Code.

15. In accordance with the provisions of Article 3, Chapter 1, Part 7, Division 2, Sections 1810 and 1817 inclusive of the Labor Code of the State of California, eight (8) hours labor shall constitute a day's work and no laborer, worker, or mechanic in the employ of said CONTRACTOR or any SUBCONTRACTOR doing or contracting to do any part of the work contemplated by this contract shall be required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week except as provided in Section 1815.

The CONTRACTOR and each SUBCONTRACTOR shall keep an accurate record showing the name of and actual hours worked each calendar day and each calendar week by each workman employed by him in connection with the public work. The record shall be kept open at all reasonable hours to the inspection of the OWNER or its officers or agents and to the Division of Labor Law Enforcement of the Department of Industrial Relations.

The CONTRACTOR shall, as a penalty to the State of political subdivision on whose behalf the contract is made or awarded, forfeit twenty-five dollars ($25) for each workman employed in the execution of the contract by the CONTRACTOR or by any SUBCONTRACTOR for each calendar day during which such workman is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of Article 3, Chapter 1, Part 7, Division 2 of the Labor Code.

16. The CONTRACTOR shall comply with Division 2, Chapter 4, Part 1 of the Public Contract Code relating to subletting and subcontracting, specifically included but not limited to Sections 4104, 4106, and 4110, which by this reference are incorporated into this Agreement as though fully set forth herein.

17. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

18. The work to be done under this agreement is being financed in whole or in part by means of a grant made by the United States acting through the Federal Aviation Administration of the Department of Transportation. The Contractor must adhere to the Required Contract Provisions for Airport Improvement Program and for Obligated Sponsors, included in Part B of Division III of the specifications. The Contractor shall insert these contract provisions in each contract and subcontract, and further require that the clauses be included in all subcontracts. The Contractor shall further incorporate applicable requirements of these contract provisions by reference for work done under any purchase orders, rental agreements, and other agreements for supplies or services. The Contractor is responsible for compliance with these contract provisions by any subcontractor, lower-tier subcontractor or service provider. These provisions shall not be modified.

All mechanics and laborers on the project shall be paid no less than the minimum wage rate established by the U.S. Secretary of Labor. A copy of the Department of Labor Wage Rate Determination applicable to this contract is included in Part C of Division III of the specifications.

IN WITNESS WHEREOF the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in four copies, each of which shall be deemed an original on the date first above written.

City of Madera, a Municipal Corporation
Herein Called OWNER

By_____
Robert L. Poythress, Mayor

ATTEST:

_____
Sonia Alvarez, City Clerk

BY:_____
CONTRACTOR

BY:_____

Acknowledgment

State of California)

County of _____)

On _____, 2016 before me,_____
(insert name and title of officer)

personally appeared _____

_____,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

BIDDER'S BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, Granite Construction Company ,as Principal, and Federal Insurance Company , as Surety, are held and firmly bound unto the City of Madera, State of California, (hereinafter called "City") in the sum of ten percent (10%) of the total aggregate amount of the bid of the Principal above named, submitted by said Principal to City for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents. In no case shall the liability of the Surety hereunder exceed the sum of 10% of Bid Amount

($ 10% of Bid Amount). The condition of this obligation is such that a bid to City for certain construction specifically described as follows, for which bids are to be opened on May 5, 2016, has been submitted by Principal to City:

(Copy here the exact description of work, including location, from bid form):

Madera Municipal Airport, Reconstruct General Aviation.

NOW, THEREFORE, if the aforesaid Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within ninety (90) days after said opening, and shall within the period specified therefor, or, if no period be specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into a written contract with City, in the prescribed form, in accordance with the bid as accepted, and file the two bonds with Owner, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by the Contract Documents, then this obligation shall be null and void; otherwise, it shall be and remain in full force, virtue and effect. And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of said contract or to the work to be performed thereunder or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration, or addition.

In the event suit is brought upon said bond by City and Judgment is recovered, then Surety shall pay all costs incurred by City in such suit, including a reasonable attorneys' fee to be fixed by the Court. Death of the Principal shall not relieve Surety of its obligations hereunder.

SUBMIT THIS SHEET AS PART OF YOUR BID.

IN WITNESS WHEREOF, we have hereunder set our hands and seals on this 29th day of April , 2016.



By: _____ (SEAL)

Jeff Grimm (SEAL)

Granite Construction Company (SEAL)

PRINCIPAL

By: _____ (SEAL)

Ashley Stinson, Attorney-in-Fact (SEAL)

Federal Insurance Company (SEAL)

SURETY

Federal Insurance Company

15 Mountain View Road, Warren, NJ 07059

NOTE:

Signatures of those executing for Surety must be properly acknowledged, and a power of attorney attached.

SUBMIT THIS SHEET AS PART OF YOUR BID.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

ACKNOWLEDGMENT

State of California
County of **Santa Cruz**)

On **April 29, 2016** before me, **V.J. Fox, Notary Public**
(insert name and title of the officer)

personally appeared **Ashley Stinson**,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

V. J. FOX
Commission # 2124012
Notary Public - California
Santa Cruz County
My Comm. Expires Sep 15, 2019

Signature _____ **(Seal)**
V.J. Fox, Notary Public

Chubb Surety

POWER OF ATTORNEY

Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company

Attn: Surety Department
15 Mountain View Road
Warren, NJ 07059

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **Jigisha Desai, John D. Gilliland, Catherine Gustavson, Kathleen Schreckengost, Ashley Stinson and Lillian Tse of Watsonville, California**

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business on behalf **GRANITE CONSTRUCTION INCORPORATED and all Subsidiaries alone or in joint venture** as principal, in connection with bids, proposals or contracts to or with the United States of America, any State or political subdivision thereof or any person, firm or corporation. And the execution of such bond or obligation by such Attorney- in- Fact in the Company's name and on its behalf as surety thereon or otherwise, under its corporate seal, in pursuance of the authority hereby conferred shall, upon delivery thereof, be valid and binding upon the Company.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this **18th** day of **July, 2014.**

Dawn M. Chloros, Assistant Secretary

David B. Norris, Jr., Vice President

STATE OF NEW JERSEY

ss.

County of Somerset

On this **18th** day of **July, 2014** before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal

KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316685
Commission Expires July 16, 2019

Notary Public

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

(i) the foregoing extract of the By- Laws of the Companies is true and correct,
(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in American Samoa, Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this **April 29, 2016**

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@ chubb.com

SECTION C * BID DOCUMENTS

BIDDER'S CHECKLIST

MADERA MUNICIPAL AIRPORT
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
AIP NO. 3-06-0144-27-2016
PROJECT 216-1

SUBMIT THIS BIDDER'S CHECKLIST WITH YOUR BID DOCUMENTS. Bidders shall complete and submit all documents marked with an "X" in the "REQUIRED" column for bids to be considered responsive.

REQUIRED

[X] 1. **BID FORM,** PAGES C-2 THRU C-6
[X] 2. **BID SCHEDULE,** PAGES C-7 THRU C-13
[X] 3. **BID DEPOSIT** attached to front of Proposal in the form of:
[ ] Certified Check [X] Bidder's Bond (Pages C14 – C15)
[ ] Cashier's Check [ ] Irrevocable Letter of Credit
[ ] Certificate of Deposit
[X] 4. **DESIGNATION OF SUBCONTRACTORS,** PAGE C-16
[X] 5. **CERTIFICATION OF NON-SEGREGATED FACILITIES,** PAGE C-17
[X] 6. **BIDDER'S STATEMENT ON PREVIOUS CONTRACTS SUBJECT TO EEO CLAUSE,** PAGE C-18
[X] 7. **CERTIFICATES REGARDING DEBARMENT,** PAGE C-19
[X] 8. **TRADE RESTRICTION CERTIFICATION,** PAGES C-20 THRU C-21
[X] 9. **CERTIFICATION REGARDING LOBBYING,** PAGE C-22
[X] 10. **NONCOLLUSION AFFIDAVIT,** PAGE C-23
[X] 11. **BUY AMERICAN CERTIFICATION,** PAGES C-24 THRU C-25
[X] 12. **DBE INFORMATION** – The following shall be submitted by the three lowest bidders no later than 4:00 p.m. on the fourth business day following the date of bid opening to remain eligible for award:
[X] **DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION,** PAGE C-26
[X] **LETTER OF INTENT,** PAGE C-27
[X] **BIDDER'S LIST,** PAGE C-28

SUBMITTED BY: Granite Construction Company
Name of Company _____ Contact Name Jeffrey W. Grimm, Chief Estimator
Address 2716 Granite Court City Fresno State CA Zip 93706
Phone No. 559-441-5700 Fax No. 559-441-5791

Documents required on the checklist but not included may render your bid non-responsive and ineligible for award. Bids received by the City of Madera by the scheduled bid opening time will be opened and publicly read but are subject to verification that all the required documents have been submitted.

SUBMIT THIS SHEET AS PART OF YOUR BID.

BID FORM

Bid Opening Date: May 5, 2016 ~~May 3, 2016 April 26, 2016~~
Hour of Bid Opening: 2:00 P.M.

Place of Bid Opening:
City of Madera City Hall Engineering Annex
205 W. 4th Street
Madera, California 93637

Pre-Bid Conference Date: April 12, 2016
Hour of Pre-Bid Conference: 2:00 PM

Place of Pre-Bid Conference:
Airport Manager's Office
Madera Municipal Airport

TO: The City of Madera, State of California:

The undersigned bidder declares that he has carefully examined the Plans and Specifications, Instructions to Bidders, General Conditions, Contract Form and Bond Forms including Addenda No.(s) 1,2, _____ to the project described as follows:

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
AIP NO. 3-06-0144-27-2016
PROJECT 216-1

The City shall conduct a Pre-bid Conference on April 12, 2016, at 2:00 P.M. at the following location: Airport Manager's Office, Madera Municipal Airport, Madera, California. All interested bidders are invited to attend.

The undersigned bidder further declares that he has made an examination of the site of the proposed work and has made such investigations as are necessary to determine the character of the materials to be handled, the probable interference due to airport operations and other conditions to be encountered, independently of the indications of the Plans, that he has examined the Schedule of Wages of the U.S. Department of Labor and the general prevailing wage rates for all public projects of the State of California and hereby accepts the same and certifies that the higher of the two rates shall be paid for labor connected with this project. That if this proposal is accepted, he will contract with the City of Madera, in the form of Contract hereto annexed; will, to the extent of his bid, provide any and all necessary machinery, tools, and apparatus, and other means of construction; and will furnish all material and labor as specified or called for by the plans as is necessary to complete the work in the manner specified and in accordance with the requirements of the City of Madera.

In the performance of this project, the undersigned agrees to abide by all of the Contract requirements contained in the Specifications and all documents. It is further certified that the Schedule of Wages contained in the project specifications have been examined and the prices bid in this proposal are based on the higher of the two above-mentioned schedules.

SUBMIT THIS SHEET AS PART OF YOUR BID.

The undersigned agrees that he will order all materials and equipment under this contract and will commence work within ten (10) days after receiving written notice to proceed and that he will complete the work within forty (40) working days of written Notice to Proceed.

The undersigned further agrees that should he fail to complete any segment of work in the time specified, he will pay liquidated damages in the amount of $2000 for each consecutive calendar day thereafter to the City as prescribed in these specifications.

The undersigned further declares that this proposal is made according to the provisions and under the terms of the contract documents bound herewith; and in accordance with the accompanying plans, which plans and the aforementioned contract documents are hereby made a part of this proposal.

The bidder further declares that he will accept the unit prices and/or lump sum prices as hereinafter written in the Bid Schedule of this proposal as full payment for the proposed work.

It is understood that the award of this project is contingent upon a grant offer from the Federal Aviation Administration and acceptance of the grant offer by the City of Madera.

It is understood that City reserves the right to reject this proposal and that it shall remain open and not be withdrawn for a period of ninety (90) days from the date prescribed for its opening.

It is understood that the City reserves the right to increase or decrease the quantities of items bid in the contract with no change in the unit prices bid, provided the change in a major item (20 percent of total bid) does not exceed 25 percent.

Attached hereto and incorporated herein, in compliance with Section 4100-4113 of the Government Code of the State of California, is a "Designation of Subcontractors."

It is understood and agreed that if written notice of the acceptance of this proposal is mailed or delivered personally to the undersigned bidder within ninety (90) days after the opening of the proposal, or at any time thereafter before it is withdrawn, the undersigned bidder will execute and deliver the Contract Documents to City in accordance with the proposal as accepted, together with the insurance documents specified in Insurance Requirements for Contractors of these specifications, and will also furnish and deliver to City the Performance Bond and Payment bond as herein specified, all within ten (10) days after personal delivery or deposit in the mails, as the case may be, of the notification of award and that the work under the contract shall be commenced by the undersigned bidder on the date to be stated in City's notice to proceed, and shall be completed in the time specified in the agreement for construction or any modification thereto duly made by change order.

Notice of acceptance or request for additional information may be addressed to the undersigned bidder at the business address set forth below:

Granite Construction Company
2716 Granite Court
Fresno, CA 93706
559-441-5700
559-441-5791

SUBMIT THIS SHEET AS PART OF YOUR BID.

Granite Construction Company
2716 Granite Court
Fresno, CA 93706

The undersigned bidder declares that this proposal is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that the proposal is genuine and not collusive or sham; that the undersigned bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham proposal and has not directly or indirectly colluded or agreed with any bidder or anyone else to put in a sham proposal or to refrain from bidding; that the undersigned bidder has not directly or indirectly sought by agreement, communication, or conference with anyone to fix his bid price or the bid price of any other bidder, or to fix any overhead, profit or cost advantage against the City or anyone interested in this proposed contract; that the only persons or parties interested in this proposal as principals are those named herein; that all statements contained in this proposal are true; that the undersigned bidder has not directly, or indirectly, submitted his bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any other person, partnership, corporation, or association except to such person or persons as have a direct financial interest in bidder's general business; and that he is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self insurance in accordance with the provisions of that code, and he will comply with such provisions before commencing the performance of the work of this contract.

Wherever in this proposal an amount is stated in both words and figures, in case of discrepancy, the words shall prevail; if all or any portion of the proposal is required to be given in unit prices and totals and a discrepancy exists between any such unit prices and totals so given, the unit prices shall prevail.

Accompanying this proposed bid is Bidder's Bond (insert words, "cash," "cashier's check," "certified check," or "bidder's bond," as the case may be) of the (name of surety if bid bond submitted) in an amount equal to at least ten percent (10%) of total of the bid. If the enclosure is a check or bond, it is made payable to the City of Madera.

The names of all persons interested in the foregoing proposal as principals are as follows: (Stockholders and limited partners need not be listed unless they are officers or employees of the corporation or limited partnership. All general partners and corporate officers shall be listed. If a stockholder or partner is a firm, list the principles of that firm, as stated herein.)

(If bidder or other interested person is a corporation, it must furnish a certificate attesting to corporate existence and authority of officers to sign contracts and other documents. State legal name of corporation, names of the president, secretary, treasurer, and manager thereof.)

NAME	BUSINESS ADDRESS	INTEREST (owner, partner, etc.)
Granite Construction Company	585 W. Beach Street, Watsonville, CA 95076	
James H. Roberts, President	585 W. Beach Street, Watsonville, CA 95076	
Richard A. Watts, Secretary	585 W. Beach Street, Watsonville, CA 95076	

Attach additional sheets if necessary

Jigisha Desai, Treasurer 585 W. Beach Street, Watsonville, CA 95076

SUBMIT THIS SHEET AS PART OF YOUR BID.

By submission of a bid, a bidder certifies possession of duly issued and valid Contractor's license issued by the State of California will be obtained prior to award of the contract, which license authorizes bidder to contract to perform the type of work required by the specifications.*

Licensed in accordance with an Act providing for the Registration of Contractors:

License No.: 89

Class of License: A

DIR Registration No. 1000000085

Name and Relationship to Bidder of Licensed Firm or Individual:

License Holder: Granite Construction Company

Relationship to Bidder: _____

*If bidder does not hold a valid contractor's license at the time of bidding, leave these lines blank. At the time of award of the contract the apparent low bidder shall be required to hold a valid contractor's license and to submit this information to the Owner.

SUBMIT THIS SHEET AS PART OF YOUR BID.

Signature of Bidder:

Granite Construction Company
CONTRACTOR

2716 Granite Court
Street Address

Sign here:

Fresno, CA 93706
City, State & Zip

By: Jeffrey W. Grimm, Chief Estimator
Type Name

-AND-

Sign here:

559-441-5700
Telephone (Include Area Code)

By: Todd Hill, Area Manager
Type Name

(CORPORATE SEAL)

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation and a corporate seal; if bidder is a copartnership, the true names of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts in behalf of the copartnership; and if bidder is an individual, his signature shall be placed above.

SUBMIT THIS SHEET AS PART OF YOUR BID.

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-27-2016
PROJECT 215-1

BID SCHEDULE

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
GENERAL				
1	1 LS	Mobilization (GP-105) Ninety-Five Thousand Dollars and No Cents Lump Sum	$95,000.00	$95,000.00
2	1 LS	SWPPP Prepared and Implemented by Qualified SWPPP Developer (QSD) (ST-02) Four Thousand, Five Hundred Dollars and No Cents Lump Sum	$4,500.00	$4,500.00
3	1 LS	Marking and Lighting of Closed Airport Facilities (ST-03) Twenty Thousand Dollars and No Cents Lump Sum	$20,000.00	$20,000.00
4	1 LS	Demolition (ST-04) Fifteen Thousand Dollars and No Cents Lump Sum	$15,000.00	$15,000.00
EARTHWORK				
5	17,500 SY	Pavement Removal (P-101) One Dollars and No Cents per Square Yard	$1.00	$17,500.00

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
6	1 Acre	Clearing and Grubbing (P-151) Fifteen Thousand Dollars and No Cents per Acre	$ 15,000.00	$ 15,000.00
7	12,200 CY	Unclassified Excavation (P-152) Ten Dollars and No Cents per Cubic Yard	$ 10.00	$ 122,000.00
8	500 CY	Muck Excavation (P-152) Fifteen Dollars and No Cents per Cubic Yard	$ 15.00	$ 7,500.00
9	1,000 SY	Geogrid (SS-05) Two Dollars and Fifty Cents per Square Yard	$ 2.50	$ 2,500.00
10	3,700 CY	Subbase Course (P-154) Thirty Dollars and No Cents per Cubic Yard	$ 30.00	$ 111,000.00
FLEXIBLE BASE COURSE				
11	3,100 CY	Crushed Aggregate Base Course (P-209) Sixty-Seven Dollars and No Cents per Cubic Yard	$ 67.00	$ 207,700.00
FLEXIBLE SURFACE COURSE				
12	3,300 Tons	Bituminous Surface Course (P-401) One Hundred And Ten Dollars and No Cents per Ton	$ 110.00	$ 363,000.00

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
MISCELLANEOUS				
13	15 Tons	Bituminous Prime Coat (P-602) Six Hundred Dollars and No Cents per Ton	$ 600.00	$ 9,000.00
14	7 Tons	Bituminous Tack Coat (P-603) Seven Hundred Dollars and No Cents per Ton	$ 700.00	$ 4,900.00
15	110 SF	Remove Existing Airfield Marking (ST-06) Three Dollars and No Cents per Square Foot	$ 3.00	$ 330.00
16	950 SF	Runway and Taxiway Marking (P-620) Six Dollars and Fifty Cents per Square Foot	$ 6.50	$ 6,175.00
17	90 LB	Reflective Media (P-620) Ten Dollars and No Cents per Pound	$ 10.00	$ 900.00

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
FENCING				
18	450 LF	4-foot Chain-Link Fence, Class E (F-162) THIRTY-ONE Dollars and No Cents per Linear Foot	$ 31.00	$ 13,950.00
19	2 EA	4-foot High, 4 foot Wide Pedestrian Gate (F-162) EIGHT HUNDRED AND FORTY-FIVE Dollars and No Cents per Each	$ 845.00	$ 1,690.00
DRAINAGE				
20	280 LF	18-inch RCP, Class IV (D-701) SIXTY-FIVE Dollars and No Cents per Linear Foot	$ 65.00	$ 18,200.00
21	690 LF	24-inch RCP, Class IV (D-701) SEVENTY-FIVE Dollars and No Cents per Linear Foot	$ 75.00	$ 51,750.00
22	1 EA	End Cap Existing 12" RCP (ST-07) ONE THOUSAND Dollars and No Cents per Each	$ 1,000.00	$ 1,000.00
23	1 EA	End Cap Existing 24" RCP (ST-07) ONE THOUSAND Dollars and No Cents per Each	$ 1,000.00	$ 1,000.00

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
24	2 EA	Drop Inlets (D-751) Eleven Thousand Dollars and No Cents per Each	$ 11,000.00	$ 22,000.00
25	1 EA	Curb Inlets (D-751) Five Thousand Five Hundred Dollars and No Cents per Each	$ 5,500.00	$ 5,500.00
26	170 LF	AC Curb (ST-08) Twenty Dollars and No Cents per Linear Foot	$ 20.00	$ 3,400.00
LIGHTING INSTALLATION				
27	300 LF	No. 6 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108) Two Dollars and Sixty Cents per Linear Foot	$ 2.60	$ 780.00
28	1,200 LF	No. 8 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108) Two Dollars and Twenty Cents per Linear Foot	$ 2.20	$ 2,640.00
29	700 LF	No. 10 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108) Two Dollars and No Cents per Linear Foot	$ 2.00	$ 1,400.00

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
30	200 LF	No. 6 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108) ONE Dollars and EIGHTY Cents per Linear Foot	$ 1.80	$ 360.00
31	400 LF	No. 8 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108) ONE Dollars and THIRTY Cents per Linear Foot	$ 1.30	$ 520.00
32	350 LF	No. 10 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108) ONE Dollars and FIFTY Cents per Linear Foot	$ 1.50	$ 525.00
33	800 LF	Concrete Encased Electrical Conduit, Type I, 1-way, 2-inch (L-110) TWENTY-SEVEN Dollars and NO Cents per Linear Foot	$ 27.00	$ 21,600.00
34	1 EA	Electrical Junction Structure, L867, Class 1, Size D, Complete (L-115) TWO THOUSAND AND FORTY Dollars and NO Cents per Each	$ 2,040.00	$ 2,040.00

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
35	2 EA	Furnish and Install 35-foot Floodlight Poles Complete with 400-watt Luminaires and Brackets (ST-10) THIRTEEN THOUSAND, FOUR HUNDRED TWENTY FOUR Dollars and No Cents per Each	$13,424.00	$26,848.00
36	4 EA	Remove and Replace Existing 1,000-watt Halogen Luminaires with New 400-watt LED Double Head Luminaires and Brackets (ST-10) TWO THOUSAND, FIVE HUNDRED & ONE Dollars and FIFTY Cents per Each	$2,501.50	$10,006.00
TIE DOWNS				
37	57 EA	Tie Down Anchors (ST-11) THREE HUNDRED AND EIGHTY Dollars and No Cents per Each	$380.00	$21,660.00
		TOTAL BID AMOUNT	$1,208,874.00	

Total Bid Amount (In Words): ONE MILLION, TWO HUNDRED AND EIGHT THOUSAND, EIGHT HUNDRED AND SEVENTY-FOUR

Dollars

NOTES:

1. **In the event the product of a unit price and an estimated quantity do not equal the extended amount stated, the unit price will govern and the correct product of the unit price and the estimated quantity shall be deemed to be the amount bid.**
2. **In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.**

SUBMIT THIS SHEET AS PART OF YOUR BID.

DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of Section 4100 et seq. of the Government Code of the State of California, and any amendments thereof, the undersigned bidder has set forth below:

(a) The name and location of the place of business of each subcontractor who will perform work or labor, or render service to the undersigned in or about the construction of the work to be performed hereunder, or a subcontractor licensed by the State of California, who, under subcontract to the undersigned, will specifically fabricate and install a portion of said work according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent (0.5%) of the undersigned's total bid; and

(b) The portion of the work which will be done by each subcontractor for each subcontract in excess of one-half of one percent (0.5%) of the undersigned's total bid. The undersigned shall list only one subcontractor for each such portion.

Note: When there is a failure to list a subcontractor, the law provides that the prime Contractor agrees to do the work himself, and that said prime Contractor agrees that he is fully qualified to perform such work.

Portion of Work	Percent of Total Contract	Subcontractor	Address	Contractor License No.
SAWCUTTING & CORING	1.23%	AUSTIN ENTERPRISE	P.O. BOX 81926 BAKERSFIELD, CA 93380	LIC#764893 DIR#:1000001896
FENCING	1.3%	FENLEGORP INC.	111 N MAIN ST RIVERSIDE, CA 92501	LIC# 886544 DIR#1000000850
ELECTRICAL	7.34%	GARY BROWN ELECTRIC INC.	49649 MEADOW WOOD RD. OAKHURST, CA 93644	LIC# 863707 DIR#1000009540

By _____
(Bidder's Signature) Jeffrey W. Grimm, Chief Estimator

SUBMIT THIS SHEET AS PART OF YOUR BID.

CERTIFICATION OF NONSEGREGATED FACILITIES

The federally-assisted construction contractor certifies that Contractor does not maintain or provide for his/her employees any segregated facilities at any of his/her establishments and that he/she does not permit his/her employees to perform their services at any location, under Contractor control, where segregated facilities are maintained. The federally-assisted construction contractor certifies that he/she will not maintain or provide, for his/her employees, segregated facilities at any of his/her establishments and that he/she will not permit his/her employees to perform their services at any location under his/her control where segregated facilities are maintained. The federally-assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this contract.

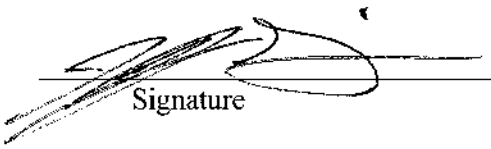
As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directives or are , in fact, segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or any other reason.

The federally-assisted construction contractor agrees that (except where he/she has obtained identical certifications from proposed subcontractors for specific time periods) he/she will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity Clause, and that he/she will retain such certifications in his/her files.

Certification - The information above is true and complete to the best of my knowledge and belief.

Jeffrey W. Grimm, Chief Estimator

Name and Title of Signer (Please type)



Signature

May 5, 2016

Date

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

SUBMIT THIS SHEET AS PART OF YOUR BID.

BIDDER'S STATEMENT ON PREVIOUS
CONTRACTS SUBJECT TO EEO CLAUSE

The Bidder shall complete the following statement by checking the appropriate lines:

*The Bidder has ☒ has not ☐ participated in a previous contract subject to the Equal Opportunity Clause prescribed by Executive Order 11246, as amended, of September 24, 1965.

*The Bidder has ☒ has not ☐ submitted all compliance reports in connection with any such contract due under the applicable filing requirements; and that representations indicating submission of required compliance reports signed by proposed subcontractors will be obtained prior to award of subcontracts.

If the Bidder has participated in a previous contract subject to the Equal Opportunity Clause and has not submitted compliance reports due under applicable filing requirements, the Bidder shall submit a compliance report on Standard Form 100, "Employee Information Report EEO-I," prior to the award of contract:

Signature

Granite Construction Company
(Name of Bidder)

May 5, 2016
Date

By Jeffrey W. Grimm, Chief Estimator
Name & Title of Signing Official)

Business Address 2716 Granite Court

Fresno, CA 93706

SUBMIT THIS SHEET AS PART OF YOUR BID.

CERTIFICATES REGARDING DEBARMENT

CERTIFICATE OF OFFERER/BIDDER REGARDING DEBARMENT

By submitting a bid/proposal under this solicitation, the bidder or offeror certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

CERTIFICATION OF LOWER TIER CONTRACTORS REGARDING DEBARMENT

The successful bidder, by administering each lower tier subcontract that exceeds $25,000 as a "covered transaction", must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website: http://www.sam.gov
2. Collecting a certification statement similar to the Certificate Regarding Debarment and Suspension (Bidder or Offeror), above.
3. Inserting a clause or condition in the covered transaction with the lower tier contract

If the FAA later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

DATE May 5, 2016

SIGNED BY _____
Jeffrey W. Grimm, Chief Estimator

SUBMIT THIS SHEET AS PART OF YOUR BID.

TRADE RESTRICTION CERTIFICATION

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror -

a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (U.S.T.R.);

b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R; and

c. has not entered into any subcontract for any product to be used on the Federal on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

(1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or

(2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or

(3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R, unless the Offeror has knowledge that the certification is erroneous.

SUBMIT THIS SHEET AS PART OF YOUR BID.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

DATE May 5, 2016

SIGNED BY 
Jeffrey W. Grimm, Chief Estimator

SUBMIT THIS SHEET AS PART OF YOUR BID.

CERTIFICATION REGARDING LOBBYING

The bidder or offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

DATE May 5, 2016

SIGNED BY _____
Jeffrey W. Grimm, Chief Estimator

SUBMIT THIS SHEET AS PART OF YOUR BID.

AFFIDAVIT MUST BE NOTARIZED

NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

STATE OF CALIFORNIA)
) ss.
COUNTY OF Fresno)

I Jeffrey W. Grimm (Name), being first duly sworn, deposes and says that he ~~or she~~ is (Title) of Chief Estimator (Firm Name) the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

TITLE OF CONTRACT Madera Municipal Airport, Reconstruct General Aviation Apron Phase 2

CONTRACT NO. 216-1, AIP NO. 3-06-0144

(Signature) Jeffrey W. Grimm, Chief Estimator

AFFIDAVIT MUST BE NOTARIZED

SUBMIT THIS SHEET AS PART OF YOUR BID.

CALIFORNIA JURAT WITH AFFIANT STATEMENT **GOVERNMENT CODE § 8202**

☒ See Attached Document (Notary to cross out lines 1–6 below)
☐ See Statement Below (Lines 1–6 to be completed only by document signer[s], *not* Notary)

Signature of Document Signer No. 1 *Signature of Document Signer No. 2 (if any)*

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Fresno

Subscribed and sworn to (or affirmed) before me on this 2nd (*Date*) day of May (*Month*), 20 16 (*Year*)
by (1) Jeffrey W. Grimm
(and (2) n/a),
Name(s) of Signer(s)

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

MELINDA HENRY
Commission # 2006851
Notary Public - California
Fresno County
My Comm. Expires Feb 9, 2017

Signature _____
Signature of Notary Public

Seal
Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

©2014 National Notary Association • www.NationalNotary.org • 1-800-US NOTARY (1-800-876-6827) Item #5910

BUY AMERICAN CERTIFICATION

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one on the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (not both) by inserting a checkmark (✓) or the letter "X".

☐ Bidder or offeror hereby certifies that it will comply with 49 USC § 50101 by:

a) Only installing steel and manufactured products produced in the United States, or;
b) Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing, or;
c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
2. To faithfully comply with providing US domestic product
3. To furnish US domestic product for any waiver request that the FAA rejects
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

☐ The bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

1. To the submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may result in rejection of the proposal.
3. To faithfully comply with providing US domestic products at or above the approved US domestic content percentage as approved by the FAA.
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 3 Waiver - The cost of the item components and subcomponents produced in the United States is more that 60% of the cost of all components and subcomponents of the "item". The required documentation for a type 3 waiver is:

a) Listing of all product components and subcomponents that are not comprised of 100% US domestic content (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart

SUBMIT THIS SHEET AS PART OF YOUR BID.

25.108; products of unknown origin must be considered as non-domestic products in their entirety).

b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly at place of manufacture.

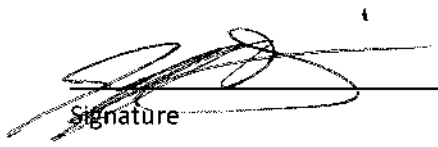
c) Percentage of non-domestic component and subcomponent cost as compared to total "item" component and subcomponent costs, excluding labor costs associated with final assembly at place of manufacture.

Type 4 Waiver – Total cost of project using US domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a type 4 of waiver is:

a) Detailed cost information for total project using US domestic product

b) Detailed cost information for total project using non-domestic product

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

May 5, 2016	
Date	Signature
Granite Construction Company	Jeffrey W. Grimm, Chief Estimator
Company Name	Title

SUBMIT THIS SHEET AS PART OF YOUR BID.

ADDENDUM NO. 1

DATE: April 21, 2016

TO: Planholders

RE: **PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-**

This addendum forms a part of the construction documents. It modifies the original project plans and specifications. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 1 CONTAINS THE FOLLOWING:

Qty (sheets)	Description	Size
1	**Bid Extension**	**8.5x11**
0	**Attachments**	**8.5x11**

The date of the Bid Opening has changed to Tuesday, May 3, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 1, please fax this sheet to 559-675-6605

Name of Contractor: Granite Construction Company
Faxed by: _____
Melinda Henry

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

* * * COMMUNICATION RESULT REPORT (APR. 29. 2016 1:21PM) * * *

FAX HEADER 1: Granite Construction
FAX HEADER 2: Fresno CA

TRANSMITTED/STORED : APR. 29. 2016 1:13PM

FILE MODE	OPTION	ADDRESS	RESULT	PAGE
8934 MEMORY TX		G3 :96756605	OK	1/1

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION
E-5) MAIL SIZE OVER

ADDENDUM NO. 1

DATE: April 21, 2016

TO: Planholders

RE: **PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-**

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Name of Contractor: Granite Construction Company
Faxed by: Melinda Henry

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

ADDENDUM NO. 2

DATE: April 26, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It modifies the original project plans and specifications. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 2 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
1	Bid extension	8.5x11
523	Re-issue of Project Specifications	8.5x11
1	Sheet No. 2 – Construction Safety Plan	24x36
1	Sheet No. 3 - Barricade Layout Plan	24x36
1	Sheet No. 5 – Demolition	24x36
1	Sheet No. 7 – Future Development Area Grading Plan	24x36
1	Sheet No. 8 – Typical Sections	24x36
1	Sheet No. 12 – Drainage Details	24x36
1	Sheet No. 13 – Electrical Duct & Wiring Plan	24x36
1	Sheet No. 17 – Marking & Tiedown Plan & Details	24x36

This project is being funded in part by a grant from the Federal Aviation Administration (FAA). In order to meet FAA requirements, it is necessary to modify the plans and specifications. These modifications are included in this Addendum No. 2. The documents included in this addendum replace those originally published.

The date of the Bid Opening has changed to Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 2, please fax this sheet to 559-675-6605.

Name of Contractor: Granite Construction Company
Faxed by: Melinda Henry

* * * COMMUNICATION RESULT REPORT (APR. 29. 2016 1:16PM) * * *

FAX HEADER 1: Granite Construction
FAX HEADER 2: Fresno CA

TRANSMITTED/STORED : APR. 29. 2016 1:14PM FILE MODE	OPTION	ADDRESS	RESULT	PAGE
8935 MEMORY TX		G3 :96756605	OK	1/1

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION
E-5) MAIL SIZE OVER

ADDENDUM NO. 2

DATE: April 26, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

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The date of the Bid Opening has changed to Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 2, please fax this sheet to 559-675-6605.

Name of Contractor: Granite Construction Company
Faxed by: Melinda Henry

ADDENDUM NO. 3

DATE: May 2, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It responds to bidder questions that have been posed during the bidding period of this project. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 3 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
2	Responses to Questions	8.5x11
9	Bidder's Qualification Statement form (Submit with Bid)	8.5x11

The date of the Bid Opening is Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

for: Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 3, please fax this sheet to 559-675-6605.

Name of Contractor: Granite Construction Company
Faxed by: Melinda Henry

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

* * * COMMUNICATION RESULT REPORT (MAY. 3. 2016 9:55AM) * * *

FAX HEADER 1: Granite Construction
FAX HEADER 2: Fresno CA

TRANSMITTED/STORED : MAY. 3. 2016 9:54AM FILE MODE	OPTION	ADDRESS	RESULT	PAGE
894 MEMORY TX	G3	:96756605	OK	1/1

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION
E-5) MAIL SIZE OVER

ADDENDUM NO. 3

DATE: May 2, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It responds to bidder questions that have been posed during the bidding period of this project. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

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Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

for: Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 3, please fax this sheet to 559-675-6605.

Name of Contractor: Granite Construction Company
Faxed by: Melinda Henry

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

ADDENDUM NO. 4

DATE: May 4, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It responds to bidder questions that have been posed during the bidding period of this project. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 4 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
1	Clarification to submittal of Bidder's Qualification Statement form (Submit with Bid)	8.5x11

The Bidder's Qualification Statement form shall be submitted in a separate envelope to the City with the bid proposal. The Bidder's Qualification Statement form will not be made public and is for internal use only.

The date of the Bid Opening is Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

FOR Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 4, please fax this sheet to 559-675-6605.

Name of Contractor:
Faxed by:

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

GRANITE CONSTRUCTION COMPANY

CERTIFICATE OF SECRETARY

RESOLVED, that, effective January 1, 2016 through December 31, 2016, the individuals named on the attached Exhibit 1 are authorized to negotiate, execute and/or attest electronic and paper documents and contracts necessary for the conduct of the Company's affairs with respect to the submission and execution of construction project bids, bid proposals, bid addenda and all other bid-related documents prepared and submitted on behalf of the Company not to exceed $25 million, relating to any and all domestic construction projects arising out of the Company's operations.

RESOLVED, that, effective January 1, 2016 through December 31, 2016, the individuals named on the attached Exhibit 2 are authorized to negotiate, execute and attest electronic and paper documents and contracts necessary for the conduct of the Company's affairs with respect to the submission and execution of construction project bids, bid proposals, bid addenda and all other bid-related documents prepared and submitted on behalf of the Company not to exceed $75 million, relating to any and all domestic construction projects arising out of the Company's operations.

RESOLVED FURTHER, that the authority provided for herein shall be in accordance with applicable policies, procedures and limits of authority previously approved and the Granite Construction Incorporated Delegation of Authority and Policy then in effect.

I, Richard A. Watts, do hereby certify that I am duly qualified as Secretary of GRANITE CONSTRUCTION COMPANY, a California corporation (the "Company"); that the foregoing is a true and correct copy of resolutions duly adopted effective December 11, 2015 by unanimous written consent of the Executive Committee of the Board of Directors, held without a meeting in accordance with the provisions of Article III, Section 9 of the Bylaws of the Company; that the Directors acting were duly and regularly elected; and that the resolution adopted has not been modified or repealed and is still in full force and effect.

Dated: December 21, 2015

Richard A. Watts

GRANITE CONSTRUCTION COMPANY CORPORATE SEAL Jan. 4, 1922 CALIFORNIA

EXHIBIT 1

AUTHORIZED SIGNERS
Granite Construction Company
Valley California Region
Fresno Area Office

AUTHORIZED SIGNERS
Todd Hill, Area Manager
Jeffrey W. Grimm, Chief Estimator
Mark A. Curfman, Senior Estimator
Richard Spielman, Senior Estimator
Mark W. Thornton, General Superintendent
Jake Hinchey, Regional Sales Manager

ATTESTORS
Todd Hill, Area Manager
Jeffrey W. Grimm, Chief Estimator
Mark A. Curfman, Senior Estimator
Richard Spielman, Senior Estimator
Mark W. Thornton, General Superintendent
Jake Hinchey, Regional Sales Manager
Stacy L. Opitz, Subcontracts Administrator
Melinda Henry, Estimating Assistant

EXHIBIT 2

AUTHORIZED SIGNERS
Granite Construction Company
California Group

AUTHORIZED SIGNERS
Jim Radich, VP Coastal Region
Michael Tatusko, VP Valley Region
Bruce McGowan, VP Central California Region
David A. Donnelly, VP San Diego Region
Brad J. Williams, VP Desert Cities Region

* * * COMMUNICATION RESULT REPORT (MAY. 4. 2016 3:40PM) * * *

FAX HEADER 1: Granite Construction
FAX HEADER 2: Fresno CA

TRANSMITTED/STORED : MAY. 4. 2016 3:38PM FILE MODE	OPTION	ADDRESS	RESULT	PAGE
8961 MEMORY TX		83 :96756605	OK	1/1

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION
E-5) MAIL SIZE OVER

ADDENDUM NO. 4

DATE: May 4, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It responds to bidder questions that have been posed during the bidding period of this project. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 4 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
1	Clarification to submittal of Bidder's Qualification Statement form (Submit with Bid)	8.5x11

The Bidder's Qualification Statement form shall be submitted in a separate envelope to the City with the bid proposal. The Bidder's Qualification Statement form will not be made public and is for internal use only.

The date of the Bid Opening is Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

for Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 4, please fax this sheet to 559-675-6605.

Name of Contractor: GRANITE CONSTRUCTION COMPANY
Faxed by: MARK A. LEFFMAN

AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES
TO THE CITY OF MADERA
MADERA MUNICIPAL AIRPORT

This Agreement made and entered into this ___ day of _____, 2016, between the City of Madera, a Municipal Corporation of the State of California, hereinafter called "CITY," and Reinard W. Brandley, Consulting Airport Engineer, 6125 King Road, Suite 201, Loomis, CA 95650-8004, hereinafter called "ENGINEER."

W I T N E S S E T H

WHEREAS, CITY plans to perform the following projects for the Madera Municipal Airport:

- Reconstruction of General Aviation Apron Phase 2 – 179,500 sq. ft.

hereinafter called "PROJECT," and

WHEREAS, ENGINEER has experience with the City of Madera and the Federal Aviation Administration requirements and is qualified and certified to provide CITY with professional engineering services needed for the PROJECT and CITY desires to retain ENGINEER for such purposes:

NOW, THEREFORE:

The parties hereto mutually agree as follows:

1. EMPLOYMENT OF ENGINEER:

CITY hereby retains ENGINEER to provide engineering, inspection, and testing services required during the bidding and construction portions of the Reconstruction of the General Aviation Apron Phase 2 as set forth herein in connection with the

PROJECT. Said work to be performed pursuant to this Agreement is more particularly described in Section 2, Scope of Services.

2. SCOPE OF SERVICES:

ENGINEER shall provide the professional services set forth in "SCOPE OF ENGINEERING SERVICES, ENGINEERING COSTS AND FEE SCHEDULE," set forth in Exhibit "A" attached hereto and incorporated herein by reference. ENGINEER also agrees to comply with all Federal contractual requirements set forth in "REQUIRED CONTRACT PROVISIONS FOR AIRPORT IMPROVEMENT PROGRAM AND FOR OBLIGATED SPONSORS" labeled Exhibit "C" attached hereto and incorporated by reference.

3. ENGINEER'S SERVICES:

ENGINEER shall communicate and meet with CITY staff at project progress meetings at intervals mutually agreed to between CITY and ENGINEER to verify, refine and complete the project requirements and review the progress of the PROJECT. ENGINEER shall coordinate project with FAA staff. ENGINEER shall meet with CITY staff at their request, provided; however, such meetings shall not exceed two per month during the course of the work being performed thereunder. ENGINEER shall prepare brief minutes of such meetings and submit them to CITY for review and approval.

4. CITY'S OBLIGATIONS:

The CITY shall provide the consultant with the following:

a. Provide a Project Director to work with ENGINEER;

b. Review all submittals timely;

c. Pay all fees for permits;

d. Provide CITY utility data and maps and monument information;

e. Provide report and electronic files relating to the airport layout, land use, property ownership, approaches, pavement and facility conditions, and previous planning studies and current development desires;

f. Provide data on existing zoning ordinances, subdivision regulations, building codes, easements, rights-of-way, and other documents pertaining to land use management in the vicinity of the airport and on airport property;

g. Provide copies of all available as-built drawings and reports from previous construction projects on the airport; and

h. Provide all available property line surveys and history of land purchases at the Airport.

5. COMPENSATION:

CITY agrees to pay ENGINEER for services rendered at the rates set forth in Exhibit "A". It is agreed that compensation for the Engineering Support During Bidding and Contract Award and Engineering Design Services During Construction and Final Project Closeout will be at the lump sum fees noted and for the Construction Management will be at the not to exceed fee noted at rates set forth in Exhibit "B".

It is further agreed that ENGINEER will not begin work on any phase of the work included in this agreement until receipt of authorization to proceed from the CITY, which authorization will be subject to timing of F.A.A. grants to cover the cost of the specific phase of work.

It is further agreed that the cost of the engineering services required for the Reconstruction of the General Aviation Apron Phase 2 will be payable on a monthly basis based upon work completed during that period.

6. PAYMENT

Payment as provided for hereunder shall be made within thirty (30) days of receipt and approval of ENGINEER'S monthly invoices for the work performed as specified herein. All subconsultant work shall be included on ENGINEER'S invoice.

7. EXTRA SERVICES:

CITY agrees to pay ENGINEER for extra services not contemplated hereunder or as set forth in Exhibit "A" for completion of such services as may be specifically requested by CITY through the City Engineer in writing and agreed to by ENGINEER for an agreed to fixed fee or hourly rate of compensation as set forth in Exhibit "B"; provided, however, the City Engineer's authority is limited to expenditures not to exceed an additional $5,000.

8. AUDITS AND INSPECTIONS ACCESS:

ENGINEER shall, upon reasonable notice and at any time during regular business hours, and as often as CITY may deem necessary, make available to CITY or its authorized representative, the Federal Aviation Administration and the Comptroller General of the United States for examination, all of its books, records and data with respect to matters covered by this Agreement. ENGINEER shall permit CITY to audit and inspect all invoices, materials, payrolls, records of personnel, conditions of employment, and other data relating to matters covered by this Agreement.

9. LIABILITY INSURANCE:

ENGINEER shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Consultant, his/her agents, representatives, or employees.

Minimum Scope and Limits of Insurance

ENGINEER shall maintain limits no less than:

- $1,000,000 General Liability (including operations, products and completed operations) per occurrence for bodily injury, personal injury and property damage at least as broad as Insurance Services Office (ISO) Commercial General Liability coverage (occurrence Form CG 00 01).
- $1,000,000 Automobile Liability per accident for bodily injury or property damage at lease as broad as ISO Form CA 00 01 covering Automobile Liability, code 1 (any auto).
- Worker's Compensation as required by the State of California.
- $1,000,000 Employer's Liability per accident for bodily injury or disease.
- $1,000,000 Errors & Omissions Liability appropriate to the ENGINEER's profession. Architect's and Engineer's coverage is to be endorsed to include contractual liability.

If ENGINEER maintains higher limits than the minimums required above, the entity shall be entitled to coverage at the higher limits maintained by ENGINEER.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the entity.

Other Insurance Provisions

The general liability policy and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

- The entity, its officers, officials, employees, and volunteers are to be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the ENGINEER; and with respect to liability arising out of work or operations performed by or on behalf of the ENGINEER.
- For any claims related to this project, the ENGINEER's insurance coverage shall be primary insurance as respects the entity, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the entity, its officers, officials, employees or volunteers shall be excess of the ENGINEER's insurance and shall not contribute with it.
- Each insurance certificate required by this clause shall state that coverage shall not be canceled by either party, except after thirty (30) days' prior written notice has been given to the entity.
- Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code.

Waiver of Subrogation

ENGINEER hereby agrees to waive subrogation which any insurer of ENGINEER may acquire from ENGINEER by virtue of the payment of any loss. ENGINEER agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation.

The workers' compensation policy shall be endorsed to contain a waiver of subrogation in favor of the entity for all work performed by the ENGINEER, its agents, employees, independent contractors and subcontractors.

Acceptability of Insurers

Insurance is to be placed with California admitted insurers with a current AM Best's rating of no less than A:VII, unless otherwise acceptable to the entity.

Verification of Coverage

ENGINEER shall furnish the entity with copies of original certificates and endorsements, including amendatory endorsements, effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the entity before work commences; however, failure to do so shall not operate as a waiver of these insurance requirements. The entity reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.

Subcontractors

ENGINEER shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

10. OWNERSHIP OF DOCUMENTS:

All reproducible documents provided to CITY shall be on vellum and computer disc. If the Agreement is terminated at any time during the employment of ENGINEER, the reproducible design documents and draft or final reports shall be submitted to, and will become the sole property of CITY, which may use them to complete PROJECT in future phases.

All documents, computer generated files and calculations, required in performing services under this Agreement, shall be submitted to and remain the sole property of CITY.

All computer-aided drafting shall be conducted using AutoCAD and submitted in CD form.

ENGINEER, at his discretion, may keep copies of all documents for his files.

Reuse of documents for any purpose other than as intended under this Agreement shall be at CITY'S sole risk. CITY shall indemnify ENGINEER for any damages incurred as a result of such reuse, including use of incomplete documents.

11. TIME OF COMPLETION:

A. The parties agree to the following production schedule from the execution date of the Agreement.

The design engineering services during construction will be conducted during the entire construction phase of the work. Final record drawings and engineer's report will be prepared within 30 calendar days of receipt of contractor's final redline drawings and quality control test results. The

construction management and testing work will be performed during the total time that construction occurs.

B. ENGINEER shall not be held responsible for delays caused by CITY review, or by reasons beyond ENGINEER'S control. Also, ENGINEER shall not stop his work, including work in areas unrelated to any extra services request, unless it can be shown that the project work cannot proceed while a claim or request for extra services is being evaluated.

C. Time is of the essence in the completion of the services covered by this Agreement. Failure of ENGINEER to comply with the above time schedule by more than fourteen (14) calendar days, unless the delay is not attributable to ENGINEER or is attributable to CITY, is sufficient cause to terminate this Agreement, at the option of CITY, in accordance with Paragraph 12.

D. ENGINEER shall complete all services required under this Agreement and this Agreement shall expire on June 30, 2017, unless extended by mutual agreement.

12. TERMINATION OF AGREEMENT:

A. This Agreement may be terminated at any time by either party upon fifteen (15) calendar days written notice. In the event this Agreement is terminated by either party, ENGINEER shall be compensated for services performed to the date of termination based upon the compensation rates and subject to the maximum amounts payable agreed to, together with such additional services performed after termination which are authorized by the CITY representative to wind up the work performed to date of termination.

B. CITY may immediately suspend or terminate this Agreement in whole or in part by written notice, if in the determination of CITY, there is:

1. An illegal use of funds by ENGINEER.
2. A failure by ENGINEER to comply with any material term of this Agreement.
3. A substantially incorrect or incomplete report submitted by ENGINEER to CITY.
4. A decision to perform engineering services with CITY staff.

In no event shall any payment by CITY or acceptance by ENGINEER constitute a waiver by such party of any breach of this Agreement or any default which may then exist on the part of either party. Neither shall such payment impair or prejudice any remedy available to either party with respect to such breach or default. CITY shall have the right to demand of ENGINEER the repayment to CITY of any funds disbursed to ENGINEER under this Agreement which, as determined by the appropriate court or arbitrator, were not expended in accordance with the terms of this Agreement.

13. APPROVAL:

CITY will give reasonably prompt consideration to all matters submitted by ENGINEER for approval to the end that there will be no significant delays in ENGINEER'S program of work. An approval, authorization or request to ENGINEER given by CITY will only be binding upon CITY under the terms of this Agreement if in writing and signed on behalf of CITY by a CITY representative or designee.

14. HOLD HARMLESS:

A. ENGINEER agrees to defend and does hereby hold CITY of Madera, its appointive and elective boards, officers, commissions, employees and volunteers harmless from any and all costs, expenses (including reasonable attorney's fees and court costs), damages, claims, causes of action, losses or any other liabilities arising out of the negligent or wrongful acts, errors or omissions of ENGINEER, its officers, sub-consultants, agents, employees or contractors, in performing or failing to perform any work, services or functions under this Agreement.

B. Hazardous Materials and Waste/Soil Borings. In the event this Agreement directly or indirectly involves the study or handling of hazardous or potentially hazardous material or waste, the clauses set forth in Exhibit "D" shall govern.

15. PARTIES BOUND BY AGREEMENT:

This Agreement shall be binding upon CITY, ENGINEER, and their successors in interest, legal representatives, executors, administrators and assigns with respect to all covenants as set forth herein.

16. ASSIGNMENT WITH APPROVAL:

It is understood that neither party shall assign, sublet, subcontract or transfer its rights or obligations under this Agreement without the prior express written consent of the other party.

17. INDEPENDENT CONTRACTOR:

In performance of the work, duties and obligations assumed by ENGINEER under this Agreement, it is mutually understood and agreed that ENGINEER, including any and all of ENGINEER'S officers, agents and employees will, at all times, be acting

and performing as an independent contractor, and shall act in an independent capacity and not as an officer, agent, servant, employee, joint venture, partner or associate of CITY. Furthermore, CITY shall have no right to control or supervise or direct the manner or method by which ENGINEER shall perform its work and function. However, CITY shall retain the right to administer this agreement so as to verify that ENGINEER is performing its obligations in accordance with the terms and conditions hereof. ENGINEER and CITY shall comply with all applicable provisions of law and the rules and regulations, if any, of governmental authorities having jurisdiction over the subject matter hereof.

Because of its status as an independent contractor, ENGINEER shall have absolutely no right to employment rights and benefits available to CITY employees. ENGINEER shall be solely liable and responsible for providing to, or on behalf of, its employees all legally required employee benefits. In addition, ENGINEER shall be solely responsible and hold CITY harmless from all matters relating to payment of ENGINEER'S employees, including compliance with Social Security, withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement ENGINEER may be providing services to others unrelated to CITY or to this agreement.

18. GOVERNING LAW:

Any controversy or claim arising out of, or relating to, this Agreement which cannot be amicably settled without court action, shall be litigated either in the appropriate State Court for Madera County, California, or as appropriate in the U.S. District Court for the Eastern District of California, located in Fresno County. The rights

and obligations of the parties and all interpretations and performance of this Agreement shall be governed in all respects by the laws of the State of California.

19. AMENDMENTS:

Any changes to this Agreement requested either by the CITY or ENGINEER may only be effected if mutually agreed upon in writing by duly authorized representatives of the parties hereto. This Agreement shall not be modified or amended or any rights of a party to it waived except by such in writing.

20. COMPLIANCE WITH LAWS:

ENGINEER shall comply with all Federal, State and local laws, ordinances, regulations and provisions applicable in the performance of ENGINEER'S services.

Wherever reference is made in this Agreement to standards or codes in accordance with which work is to be performed or tested, the edition or revision of the standards or codes current on the effective date of this Agreement shall apply, unless otherwise expressly stated.

21. ENGINEER'S LEGAL AUTHORITY:

Each individual executing or attesting this Agreement on behalf of ENGINEER hereby covenants and represents: (i) that he or she is duly authorized to execute or attest and deliver this Agreement; (ii) that this Agreement is binding upon such sole proprietorship and (iii) that ENGINEER is duly licensed to perform engineering services required for this project.

22. SOLE AGREEMENT:

This instrument constitutes the sole and only Agreement between ENGINEER and CITY respecting services to construct the project described in Exhibit "A" at the

municipal airport. Any agreements or representations respecting the above PROJECT, not expressly set forth in this instrument are null and void.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the day and year first above written.

* * * * * * * * * * *

CITY OF MADERA
A Municipal Corporation of
the State of California

Robert L. Poythress, MAYOR

ENGINEER
Reinard W. Brandley
6125 King Road, Suite 201
Loomis, CA 95650-8004

Reinard W. Brandley

Taxpayer ID Number: 94-1263809

ATTEST:

Sonia Alvarez, City Clerk

APPROVED AS TO FORM:

J. Brent Richardson, City Attorney

ATTACH NOTARY ACKNOWLEDGMENTS

EXHIBIT "A"

SCOPE OF ENGINEERING SERVICES
ENGINEERING COSTS & FEE SCHEDULE

EXHIBIT "B"

SCHEDULE OF CHARGES

EXHIBIT "C"

REQUIRED CONTRACT PROVISIONS FOR AIRPORT IMPROVEMENT
IMPROVEMETN PROGRAM AND FOR OBLIGATED SPONSORS

EXHBIT "D"

HAZARDOUS MATERIALS AND HAZARDOUS WASTE CLAUSES

EXHIBIT A

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

SCOPE OF ENGINEERING SERVICES
ENGINEERING COSTS AND FEE SCHEDULE

Reconstruct General Aviation Apron Phase 2

a) Project Description

- Reconstruction of General Aviation Apron Phase 2 (179,500 sq. ft.) including grading, drainage, paving, marking, and floodlighting

b) Scope of Services

Phase 1 – Engineering Support During Bidding and Contract Award

- Assist City in printing and distributing final plans and specifications to prospective contractors.
- Participate in a pre-bid meeting for all prospective contractors.
- Respond to any questions and comments from prospective contractors.
- Preparation of required addenda.
- Assist City in awarding contract including preparation of Abstract of Bids and evaluation of bids.

Phase 2 – Engineering Design Services During Construction and Final Project Closeout:

- Participate in a pre-construction conference.
- Provide engineering surveillance of all construction operations, including attendance at weekly construction meetings, preparation of any change orders required, preparation of contractor pay estimates, preparation of F.A.A. reimbursement requests, review of all contractor submittals, and preparation of final as-constructed drawings and final engineer's report.

Phase 3 – Construction Management:

- Furnish qualified Resident Engineer to review and monitor all construction activities.
- Provide all inspection and testing required as included in the quality assurance program including providing technicians and inspectors as required.
- Provide surveying services as required.

- Provide traffic safety inspectors and Safety Plan implementation.
- Review and approve all contractor's quality control testing and inspection.

c) Engineering Fee:

Engineering Support During Bid and Award – Lump Sum	$ 20,000
Engineering Design During Construction and Final Project Closeout – Lump Sum	25,000
Construction Management – Not To Exceed	104,000
Total Engineering Fee – Not to Exceed	$149,000

EXHIBIT B

REINARD W. BRANDLEY
SCHEDULE OF CHARGES

Personnel

Reinard W. Brandley	$250.00/Hour
Senior Engineer/Resident Engineer	$150.00/Hour
Junior Engineer	$100.00/Hour
Senior Drafter/Senior Inspector	$100.00/Hour
Junior Drafter/Junior Inspector	$90.00/Hour
Testing Technician	$85.00/Hour
Project Administrator	$90.00/Hour
Clerical	$70.00/Hour

Travel and Equipment Rental

Per Diem	$150/Day
Vehicle Rental	$30.00/Day + $0.40/Mile
Laboratory Rental	$300.00/Month
Survey Equipment Rental	$200.00/Month

Laboratory Tests

Testing Laboratory Services by Outside Laboratory	Cost + 10%

Exhibit C – Required Contract Provisions for Airport Improvement Program and for Obligated Sponsors

A1 ACCESS TO RECORDS AND REPORTS

The Contractor must maintain an acceptable cost accounting system. The Contractor agrees to provide the sponsor, the Federal Aviation Administration, and the Comptroller General of the United States or any of their duly authorized representatives, access to any books, documents, papers, and records of the contractor which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Contractor agrees to maintain all books, records and reports required under this contract for a period of not less than three years after final payment is made and all pending matters are closed.

A2 AFFIRMATIVE ACTION REQUIREMENT

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION to ENSURE EQUAL EMPLOYMENT OPPORTUNITY

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade: 24.6%

Goals for female participation in each trade: 6.9%

These goals are applicable to all of the contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this notice and in the contract resulting from this solicitation, the "covered area" is Madera, Madera County, California.

A3 BREACH OF CONTRACT TERMS

Any violation or breach of terms of this contract on the part of the contractor or its subcontractors may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement.

Owner will provide Consultant written notice that describes the nature of the breach and corrective actions the Consultant must undertake in order to avoid termination of the contract. Owner reserves the right to withhold payments to Contractor until such time the Contractor corrects the breach or the Owner elects to terminate the contract. The Owner's notice will identify a specific date by which the Consultant must correct the breach. Owner may proceed with termination of the contract if the Consultant fails to correct the breach by deadline indicated in the Owner's notice.

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

A4 CIVIL RIGHTS - GENERAL

GENERAL CIVIL RIGHTS PROVISIONS

The contractor agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the contractor and subtier contractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

A5 CIVIL RIGHTS – TITLE VI ASSURANCE

Compliance with Nondiscrimination Requirements

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.

4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts And Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

    a. Withholding payments to the contractor under the contract until the contractor complies; and/or

    b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request

the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

A5.1.1 Title VI List of Pertinent Nondiscrimination Acts and Authorities

Title VI List of Pertinent Nondiscrimination Acts and Authorities

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination in Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;

- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

A6 CLEAN AIR AND WATER POLLUTION CONTROL

CLEAN AIR AND WATER POLLUTION CONTROL

Contractor agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 U.S.C. § 740-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251-1387). The Contractor agrees to report any violation to the Owner immediately upon discovery. The Owner assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Contractor must include this requirement in all subcontracts that exceeds $150,000.

A7 CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS

1. Overtime Requirements.

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; Liability for Unpaid Wages; Liquidated Damages.

In the event of any violation of the clause set forth in paragraph (1) of this clause, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this clause, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this clause.

3. Withholding for Unpaid Wages and Liquidated Damages.

The Federal Aviation Administration (FAA) or the Owner shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld,

from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 2 of this clause.

4. Subcontractors.

The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) and also a clause requiring the subcontractor to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this clause.

A8 DISADVANTAGED BUSINESS ENTERPRISE

Contract Assurance (§ 26.13) - The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

Prompt Payment (§26.29) - The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 7 days from the receipt of each payment the prime contractor receives from the City of Madera. The prime contractor agrees further to return retainage payments to each subcontractor within 7 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the City of Madera. This clause applies to both DBE and non-DBE subcontractors.

A9 DISTRACTED DRIVING

TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 "Text Messaging While Driving" (12/30/2009), the FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

In support of this initiative, the Owner encourages the Contractor to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Contractor must include the substance of this clause in all sub-tier contracts exceeding $3,500 and involve driving a motor vehicle in performance of work activities associated with the project.

A10 ENERGY CONSERVATION REQUIREMENTS

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to energy efficiency as contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201*et seq*).

A11 EQUAL EMPLOYEMENT OPPORTUNITY (E.E.O.)

A11.1.1 E.E.O. Contract Clause

EQUAL OPPORTUNITY CLAUSE

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identify or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies

invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: *Provided, however*, That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

A11.1.2 EEO Specification

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS

1. As used in these specifications:

a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;

b. "Director" means Director, Office of Federal Contract Compliance Programs (OFCCP), U.S. Department of Labor, or any person to whom the Director delegates authority;

c. "Employer identification number" means the Federal social security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;

d. "Minority" includes:

(1) Black (all) persons having origins in any of the Black African racial groups not of Hispanic origin);

(2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin regardless of race);

(3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and

(4) American Indian or Alaskan native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors shall be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each contractor or subcontractor participating in an approved plan is individually required to comply with its obligations under the EEO clause and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other contractors or subcontractors toward a goal in an approved Plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in a geographical area where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement nor the failure by a union with whom the contractor has a collective bargaining agreement to refer either minorities or women shall excuse the contractor's obligations under these specifications, Executive Order 11246 or the regulations promulgated pursuant thereto.

6. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees shall be employed by the contractor during the training period and the contractor shall have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees shall be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The contractor shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the contractor's employees are assigned to work. The contractor, where possible, will assign two or more women to each construction project. The contractor shall specifically ensure that all foremen, superintendents, and other onsite supervisory personnel are aware of and carry out the contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

c. Maintain a current file of the names, addresses, and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source, or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the contractor by the union or, if referred, not employed by the contractor, this shall be documented in the file with the reason therefore along with whatever additional actions the contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the contractor has a collective bargaining agreement has not referred to the contractor a minority person or female sent by the contractor, or when the contractor has other information that the union referral process has impeded the contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the contractor's employment needs, especially those programs funded or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources compiled under 7b above.

f. Disseminate the contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions including specific review of these items with onsite supervisory personnel such a superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the contractor's EEO policy with other contractors and subcontractors with whom the contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female, and community organizations, to schools with minority and female students; and to minority and female recruitment and training organizations serving the contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the contractor shall send written notification to organizations, such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer, and vacation employment to minority and female youth both on the site and in other areas of a contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel, for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments, and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisor's adherence to and performance under the contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar groups of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the contractor's and failure of such a group to fulfill an obligation shall not be a defense for the contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, if the particular group is employed in a substantially disparate manner (for example, even though the contractor has achieved its goals for women generally,) the contractor may be in violation of the Executive Order if a specific minority group of women is underutilized.

10. The contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination, and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee, the name, address, telephone number, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

A9 FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE)

All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given

in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers.

The consultant has full responsibility to monitor compliance to the referenced statute or regulation. The consultant must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division.

A10 LOBBYING AND INFLUENCING FEDERAL EMPLOYEES

CERTIFICATION REGARDING LOBBYING

The bidder or offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

A11 PROHIBITION of SEGREGATED FACILITIES

(a) The Contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(b) "Segregated facilities," as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

A12 OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Contractor must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Contractor retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Contractor must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

A13 TERMINATION OF CONTRACT

Either party may terminate this Agreement for cause if the other party fails to fulfill its obligations that are essential to the completion of the work per the terms and conditions of the Agreement. The party initiating the termination action must allow the breaching party an opportunity to dispute or cure the breach.

The terminating party must provide the breaching party [7] days advance written notice of its intent to terminate the Agreement. The notice must specify the nature and extent of the breach, the conditions necessary to cure the breach, and the effective date of the termination action. The rights and remedies in this clause are in addition to any other rights and remedies provided by law or under this agreement.

a) **Termination by Owner**: The Owner may terminate this Agreement in whole or in part, for the failure of the Consultant to:

   1. Perform the services within the time specified in this contract or by Owner approved extension;
   2. Make adequate progress so as to endanger satisfactory performance of the Project;
   3. Fulfill the obligations of the Agreement that are essential to the completion of the Project.

   Upon receipt of the notice of termination, the Consultant must immediately discontinue all services affected unless the notice directs otherwise. Upon termination of the Agreement, the Consultant must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Engineer under this contract, whether complete or partially complete.

Owner agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

Owner further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

If, after finalization of the termination action, the Owner determines the Consultant was not in default of the Agreement, the rights and obligations of the parties shall be the same as if the Owner issued the termination for the convenience of the Owner.

b) **Termination by Consultant:** The Consultant may terminate this Agreement in whole or in part, if the Owner:

1. Defaults on its obligations under this Agreement;
2. Fails to make payment to the Consultant in accordance with the terms of this Agreement;
3. Suspends the Project for more than [180] days due to reasons beyond the control of the Consultant.

Upon receipt of a notice of termination from the Consultant, Owner agrees to cooperate with Consultant for the purpose of terminating the agreement or portion thereof, by mutual consent. If Owner and Consultant cannot reach mutual agreement on the termination settlement, the Consultant may, without prejudice to any rights and remedies it may have, proceed with terminating all or parts of this Agreement based upon the Owner's breach of the contract.

In the event of termination due to Owner breach, the Engineer is entitled to invoice Owner and to receive full payment for all services performed or furnished in accordance with this Agreement and all justified reimbursable expenses incurred by the Consultant through the effective date of termination action. Owner agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

A14 TRADE RESTRICTION CERTIFICATION

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror -

a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (U.S.T.R.);

b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R; and

c. has not entered into any subcontract for any product to be used on the Federal on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

(1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or
(2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or
(3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R, unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

EXHIBIT D

Hazardous Materials and Hazardous Waste Clauses

1. No Certification

No report produced by Engineer pursuant to this agreement shall be interpreted as a certification that no hazardous materials, substances, wastes, or constituents are located on, under, or about the project property investigated.

2. Hazardous Substances or Conditions

Engineer has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substances or condition at the project site, and its compensation hereunder is in no way commensurate with the potential risk of injury or loss that may be caused by exposures to such substances or conditions. Nothing in this Agreement shall be interpreted as requiring Engineer to assume the status of a generator, treater, storer, transporter, or disposer of hazardous materials within the meaning of federal, state, or local law.

3. Soil Borings

The clauses listed below apply if Engineer is required to take soil borings.

A. City recognizes that the use of exploration and test equipment may unavoidably affect, alter, or damage the terrain and affect subsurface vegetation, buildings, structures, and equipment in, at, or upon the site. City hereby acknowledges that such facts are inherent to Engineer's work and will not hold Engineer liable or responsible for any such effect, alteration, or damage unless such effect, alteration, or damage is a direct result of the sole negligence of Engineer.

B. Engineer will not be liable for any property damage or bodily injury arising from damage to or interference with surface or subterranean structures (including but not limited to, pipes, tanks, telephone cables, etc.) that are not called to Engineer's attention in writing and correctly shown on the plans furnished by City in connection with work performed under this agreement and such damage or injury is the direct result of the sole negligence of Engineer.

4. Indemnification

A. City agrees to defend, hold harmless, and indemnify Engineer from any claim, liability, or defense cost for injury or loss sustained by any party from exposures or other damages allegedly caused by Engineer's performances of services hereunder, except for injury or loss caused by Engineer's negligence or willful misconduct.

5. Test Samples

In the event that any test samples taken by Engineer in the performance of this agreement contain substances or constituents hazardous or detrimental to human health, safety, or the environment as defined by federal, state, or local statutes, regulations, or ordinances, Engineer will, after completion of testing and at City's expense, return such samples to City. City recognizes and agrees that Engineer is acting as a bailee and at no time does Engineer assume title of such samples.

6. Notification

City agrees to promptly notify Engineer of any hazardous substance and any special risk to human health, the environment, or equipment on the site of which City is, or becomes, aware.

7. Duty to Report

By virtue or entering into this Agreement or providing services hereunder, Engineer does not assume control of or responsibility for reporting to any federal, state, or local public agencies any conditions at the site that present a potential danger to health, safety, or the environment.

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER

6125 King Road, Suite 201
Loomis, California 95650

Telephone: (916) 652-4725
Fax: (916) 652-9029
e-mail: brandley@rwbrandley.com

May 17, 2016

Mr. Jason Rogers
Administrative Analyst
City of Madera Public Works
1030 South Gateway Drive
Madera, CA 93637

Subject: Madera Municipal Airport
Reconstruct General Aviation Apron Phase 2
AIP No. 3-06-0144-27-2016
Proposal for Engineering Services – Construction Surveillance and Resident Engineering, Testing and Inspection Services

Dear Jason:

The City of Madera has received bids for the Reconstruction of the General Aviation Apron at Madera Municipal Airport, Madera, California. We currently have an agreement with the City for engineering design of this project only up through preparation of plans and specifications and engineering reports.

We propose to provide engineering, inspection, and testing services required during the bidding and construction portions of this project and include herewith our proposal for the work as well as the following exhibits to be included in the Agreement for Professional Engineering Services between the City of Madera and our office.

Exhibit A – Engineering Costs and Fee Schedule
Exhibit B – Schedule of Charges
Exhibit C – Required Contract Provisions for AIP and for Obligated Sponsors
Exhibit D – Hazardous Materials and Hazardous Waste Clauses

The engineering scope for this project has been broken down into three phases:

- Phase 1 - Engineering support during bidding and contract award.
- Phase 2 – Engineering Design services during construction and project closeout.
- Phase 3 - Construction Management.

We have summarized below the scope of work, the engineering fee, and the time of completion for each phase of work.

Phase 1 – Engineering Support During Bidding and Contract Award - The engineering design requirements during bidding, contract award, and construction will include the following:

1. Assist City in printing and distributing final plans and specifications to prospective contractors.
2. Participate in a pre-bid meeting for all prospective contractors.
3. Respond to any questions and comments from prospective contractors.
4. Preparation of required addenda.
5. Assist City in awarding contract including preparation of Abstract of Bids and evaluation of bids.

The total proposed fee for engineering support services during bidding and contract award will be a lump sum of $20,000.

Phase 2 – Engineering Design Services During Construction and Final Project Closeout - The engineering design requirements during construction and project closeout will include the following:

1. Participate in a pre-construction conference.
2. Provide engineering surveillance of all construction operations, including attendance at weekly construction meetings, preparation of any change orders required, preparation of contractor pay estimates, preparation of F.A.A. reimbursement requests, review of all contractor submittals, and preparation of final as-constructed drawings and final engineer's report.

The design engineering services during construction will be conducted during the entire construction phase of the work. Final record drawings and engineer's report will be prepared within 30 calendar days of receipt of contractor's final redline drawings and quality control test results.

The total proposed fee for engineering services during construction will be a lump sum of $25,000.

Phase 3 – Construction Management - Project management during construction will include:

1. Furnish qualified Resident Engineer to review and monitor all construction activities.
2. Provide all inspection and testing required as included in the quality assurance program including providing technicians and inspectors as required.
3. Provide surveying services as required.
4. Provide traffic safety inspectors and Safety Plan implementation.
5. Review and approve all contractor's quality control testing and inspection.

The construction management and testing work will be performed during the total time that construction occurs.

The construction management and testing fee will be at normal hourly rates set forth in Exhibit B for a sum not to exceed $104,000 without prior approval by the City.

The total contract amount for this work will not exceed $149,000 without prior approval of the City.

A breakdown of fees showing time and materials for each task for the total project and for each task is included in Table No. 1.

We include herewith two copies of the signed Agreement for Professional Engineering Services covering this work. If this is satisfactory to the City, please have the Agreement approved and provide us with a copy for our files.

F.A.A. requires that you obtain approval from them prior to signing an agreement for engineering services. Please send a copy of the proposed agreement along with a signed Sponsor Certification for Consultant Selection. A copy of this certification is enclosed for your use.

We appreciate the opportunity of presenting this proposal and look forward to continuing to work with you on this project.

Very truly yours,

Reinard W. Brandley

RWB:aw
Enclosures

TABLE NO. 1

MADERA MUNICIPAL AIRPORT
CITY OF MADERA, CALIFORNIA

BREAKDOWN OF ENGINEERING FEES

Reconstruct General Aviation Apron - Phase II - 179,500 Sq.Ft.

Design Engineering Through Bidding and Award			
Principal Engineer - R. W. Brandley	40 Hrs @ $250	$ 10,000.00	
Resident Engineer	35 Hrs. @ $150	5,250.00	
Project Administrator	40 Hrs. @ $90	3,600.00	
Mileage	800 Miles @ $0.40	320.00	
Printing, Postage, etc.		1,000.00	
Total Design Engineering - Bid & Award		$ 20,170.00	
			$ 20,000.00
Engineering Design During Construction and Final Project Closeout			
Principal Engineer - R. W. Brandley	60 Hrs @ $250	$ 15,000.00	
Resident Engineer	25 Hrs. @ $150	3,750.00	
Project Administrator	50 Hrs. @ $90	4,500.00	
Mileage	800 Miles @ $0.40	320.00	
Printing, Postage, etc.		1,000.00	
Total Engineering During Construction/Closeout		$ 24,570.00	
		Use	25,000.00
Resident Engineering, Testing and Inspection			
Principal Engineer - R. W. Brandley	20 Hrs @ $250	$ 5,000.00	
Resident Engineer	470 Hrs. @ $150	70,500.00	
Senior Inspector	50 Hrs. @ $100	5,000.00	
Certified Asphalt Testing Lab Personnel	100 Hrs. @ $90	9,000.00	
Asphalt Testing Lab Testing	40 @ $110	4,400.00	
Vehicle Rental	50 Days @ $30	1,500.00	
Survey Equipment Rental	2 Months @ $200	400.00	
Laboratory Equipment Rental	2 Months @ $300	600.00	
Mileage	4,000 Miles @ $0.40	1,600.00	
Per Diem	40 Days @ $150	6,000.00	
Total Resident Engineering			104,000.00
Total Engineering Costs			$ 149,000.00

ADDENDUM NO. 1

DATE: April 21, 2016

TO: Planholders

RE: **PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-**

This addendum forms a part of the construction documents. It modifies the original project plans and specifications. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 1 CONTAINS THE FOLLOWING:

Qty (sheets)	Description	Size
1	**Bid Extension**	8.5x11
0	**Attachments**	8.5x11

The date of the Bid Opening has changed to Tuesday, May 3, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 1, please fax this sheet to 559-675-6605

Name of Contractor: _____
Faxed by: _____

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

ADDENDUM NO. 2

DATE: April 26, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It modifies the original project plans and specifications. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 2 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
1	Bid extension	8.5x11
523	Re-issue of Project Specifications	8.5x11
1	Sheet No. 2 – Construction Safety Plan	24x36
1	Sheet No. 3 - Barricade Layout Plan	24x36
1	Sheet No. 5 – Demolition	24x36
1	Sheet No. 7 – Future Development Area Grading Plan	24x36
1	Sheet No. 8 – Typical Sections	24x36
1	Sheet No. 12 – Drainage Details	24x36
1	Sheet No. 13 – Electrical Duct & Wiring Plan	24x36
1	Sheet No. 17 – Marking & Tiedown Plan & Details	24x36

This project is being funded in part by a grant from the Federal Aviation Administration (FAA). In order to meet FAA requirements, it is necessary to modify the plans and specifications. These modifications are included in this Addendum No. 2. The documents included in this addendum replace those originally published.

The date of the Bid Opening has changed to Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 2, please fax this sheet to 559-675-6605.

Name of Contractor:_____
Faxed by:_____

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

CITY OF MADERA

MADERA, CALIFORNIA

ADDENDUM NO. 2 – APRIL 25, 2016

MADERA MUNICIPAL AIRPORT
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
AIP NO. 3-06-0144-27-2016

REGISTERED PROFESSIONAL ENGINEER
MELISSA S. BRANDLEY
No. C 71139
Exp. 6-30-2017
CIVIL
STATE OF CALIFORNIA
4-25-16

PROJECT 216-1

MARCH 2016

CITY OF MADERA
ENGINEERING DEPARTMENT
205 W. 4TH STREET
MADERA, CA 93637

KEITH BRENT HELMUTH, P.E.
CITY ENGINEER

ADDENDUM NO. 2 – APRIL 25, 2016

SPECIFICATIONS FOR

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-27-2016

PROJECT 216-1

MARCH 2016

PREPARED BY:

REINARD W. BRANDLEY
CONSULTING AIRPORT ENGINEER
LOOMIS, CALIFORNIA

ADDENDUM NO. 2 – APRIL 25, 2016

SPECIFICATIONS FOR

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-27-2016

PROJECT 216-1

CITY OF MADERA
COUNTY OF MADERA
STATE OF CALIFORNIA

MARCH 2016

DAVE RANDALL
DIRECTOR OF PUBLIC WORKS

CIVIL ENGINEER

Reinard W. Brandley
Consulting Airport Engineer
6125 King Road, Suite 201
Loomis, California 95650-8004
(916) 652-4725
Fax (916) 652-9029

SPECIFICATIONS FOR

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-27-2016
PROJECT 216-1

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DIVISION I

ORGANIZATION OF SPECIFICATIONS

DIVISION I
ORGANIZATION OF SPECIFICATIONS

These specifications include the required F.A.A. General Provisions in Part A of Division III, which are taken from Advisory Circular 150/5370-10G, "Standards for Specifying Construction of Airports." Also included are Bidding and Contract Documents (Division II), State and Local General Provisions (Division IV), and Special Conditions (Division V). There may be some duplication or conflict between certain sections. In case of conflict between the F.A.A. specifications and the Local and/or State specifications, the more restrictive specifications shall govern.

The FAA Technical Provisions of this specification are included in Part A of Division VI of these specifications and are based on Advisory Circular 150/5370-10G, "Standards for Specifying Construction of Airports." Those sections of these standard specifications applicable to the project have been included. The Supplemental Technical Provisions have been included in Part B of Division VI of these specifications to include those items of work not covered in Advisory Circular 150/5370-10G.

An Airport Construction Safety and Phasing Plan (CSPP) has been prepared to outline all safety issues related to the proposed construction. This CSPP is included in these specifications as Appendix A. The Contractor will be required to submit all reports designated in the CSPP and implement all safety measures set forth in this plan.

The Contractor is responsible for all Quality Control (QC) during the construction of this project, including testing and inspection. A Construction Management Plan has been prepared and is included in Appendix B of these specifications. This plan outlines how this project will be managed during construction and includes construction management personnel and resumes, inspection procedures and frequencies, submittal process, quality control testing, quality assurance testing, and test result documentation.

DIVISION II

BIDDING AND CONTRACT DOCUMENTS

SECTION A

ADVERTISEMENT FOR BIDS

NOTICE INVITING BIDS: Sealed bids for "PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-17-2016" will be received by the City of Madera, City Hall, Engineering Annex (located in trailers behind City Hall), 205 W. 4th Street, Madera, California 93637 until 2:00 P.M., P.D.S.T. on ~~April 26,~~ ***May 3,*** 2016, and then at said office publicly opened and read aloud.

BID SECURITY: Bid security in the amount of ten (10) percent of the amount of the bid, and in the form of a bid bond issued by an admitted surety insurer licensed by the California Department of Insurance, cash, cashier's check or certified check shall accompany the bids. Bid securities shall be made in favor of the City of Madera.

GENERAL WORK DESCRIPTION; CONTRACT TIME: The WORK, in general, consists of the reconstruction of 179,500 square feet of general aviation apron, including grading, drainage, paving, marking, and tie downs.

This work shall be constructed in accordance with details as shown on the plans and described in the specifications for this project. All the work to be performed under this contract shall be completed within forty (40) working days.

PRE-BID CONFERENCE: The City shall conduct a Pre-bid Conference on April 12, 2016, at 2:00 P.M. at the following location: Airport Manager's Office, Madera Municipal Airport, Madera, California. All interested bidders are invited to attend.

OBTAINING CONTRACT DOCUMENTS: The CONTRACT DOCUMENTS, consisting of Advertisement for Bids, Information for Bidders, BID, Bid Bond, Forms, Agreement, Payment Bond, Performance Bond, Insurance Requirements for Contractors, NOTICE OF AWARD, NOTICE TO PROCEED, CHANGE ORDER, General Conditions, Special Conditions, DRAWINGS, SPECIFICATIONS AND ADDENDA, may be examined at the following locations:

City of Madera, Engineering Department, 205 W. 4th Street, Madera, CA 93637
R. W. Brandley, Consulting Airport Engineer, 6125 King Rd., Ste. 201, Loomis, CA 95650
Fresno Builders Exchange, 1244 N. Mariposa, Fresno, CA 93703
Merced-Mariposa Builders Exchange, 410 W. Main Street, #C, Merced, CA 95340

Copies of the CONTRACT DOCUMENTS, including half-size sets of the plans and the specifications, may be obtained at the office of the City Engineer, 205 West 4th Street, Madera, CA 93637. There will be no charge for these documents. A full set or partial set of full-size plans is available from Fresno Reprographics, 7591 N. Ingram, Suite 103, Fresno, California, 93711, Telephone: (559) 261-2347, Fax (559) 261-2483, E-mail: print@fresnorepro.com. The Contractor shall be responsible for payment of the cost of these full-size drawings. Further information and Instructions for Bidders may be obtained from the City of Madera, (559) 661-5418. Any questions

regarding the materials contained in the Contract Documents should be directed to the Design Engineer, Reinard W. Brandley, at (916) 652-4725.

BID AWARD PROVISIONS: The contract will be awarded on the basis of UNIT BID price and will provide for progressive payments and liquidated damages as fixed in the specifications. All proposals must be made on the forms as contained in the specifications for the previously described project and shall in all respects comply with the Instructions to Bidders and Contract Documents. Bids must be in writing and signed by or on behalf of the bidder.

Each bidder must supply all the information required by the bid documents and specifications.

The City of Madera reserves the right to reject any and/or all bids or to utilize any alternate procedures as authorized by California Public Contracts Code Sections 20166 and 20167, and accept such bids as are to the best interest of the City. The City reserves the right to waive an informality or irregularity on a bid. No bidder may withdraw his bid for a period of ninety (90) days after the date set for the opening thereof. The City reserves the right to waive any informality or irregularity in a bid. The City shall not assume any liability or costs incurred by Bidders should the award of contract be canceled due to lack of financing.

SECURITIES: In accordance with the provisions of Division 2, Part 5, Section 22300 of the Public Contract Code of the State of California, securities may be substituted for monies withheld on this PROJECT.

WAGE RATES: All labor on the project shall be paid the higher of the minimum wage rates as established by the U.S. Secretary of Labor, or the California Director of Industrial Relations. If a discrepancy exists between these two determinations, then all labor on the project shall be paid the higher of the two minimum wage rates.

FEDERAL PROVISIONS – The work to be done is being financed in whole or in part by means of a grant made by the United States acting through the Federal Aviation Administration of the Department of Transportation. This project is subject to the Federal provisions, statutes and regulations as set forth below and in the project specifications:

- *Buy American Preference* - This contract is subject to the "Buy American" preferences of the Aviation Safety and Capacity Act of 1990. Per Title 49 U.S.C. Section 50101, all steel and manufactured products installed under an AIP assisted project must be produced in the United States unless the Federal Aviation Administration has granted a formal waiver. As a condition of bid responsiveness, bidders must indicate whether it intends to meet Buy American preferences by only installing steel and manufactured products produced within the United States of America; or if it intends to seek a permissible waiver to the Buy American preferences – See certification included in the Bid Proposal.
- *Foreign Trade Restriction* – 49 CFR Part 30 – A completed and signed Certification Regarding Trade Restriction Clause must be submitted with the bid for this contract. This certification is included in the Bid Proposal.
- *Davis-Bacon Act, as amended* – 29 CFR Part 5

- *Affirmative Action* – Executive Order 11246 and 41 CFR Part 60-4
- *Debarment and Suspension* - A completed and signed Certification Regarding Debarment and Suspension must be submitted with the bid for this contract. This certification is included in the Bid Proposal.
- *Requirements for Drug-free Workplace* – Title 49 Part 29 Section 47105(d)
- *Disadvantaged Business Enterprise* – 49 CFR Part 26 – The City of Madera, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. A DBE contract goal of 4.16% has been established for this contract. The bidder/offeror shall make good faith efforts, as defined in 49 CFR Part 26, to meet the contract goal for DBE participation in the performance of this contract. The contract can be awarded without the lowest responsive bidder meeting the goal or demonstrating good faith efforts to meet the goal.

This project is under and subject to the Equal Opportunity Clause and Wage Rate Decision contained in the contract documents.

Contractor's License Classification. A contractor will not be required to be licensed to prepare a bid for the project but must be licensed in accordance with the provisions of Chapter 9, Division III of the Business and Professions Code, before performing any work on the project. A license of the classification required for the work proposed under this contract is mandatory.

DIR Registration: In accordance with Senate Bill 854 (SB 854), all contractors submitting a bid for this project must be registered with the Department of Industrial Relations (DIR). All contractors and subcontractors who bid and work on any District-awarded public works project must be registered.

BY ORDER OF THE CITY COUNCIL OF THE CITY OF MADERA.

Date: March 26, 2016
April 9, 2016

Attest:/s/ Sonia Alvarez
City Clerk, City of Madera

SECTION B

INSTRUCTIONS TO BIDDERS

Notice is hereby given that sealed bids will be received by the City of Madera at the Office of the City Engineer, located at City Hall at the time set forth in the Advertisement for Bids for the furnishing of all required tax, labor, material, transportation, and equipment necessary for the construction of all work covered by AIP No. 3-06-0144-27-2016, Reconstruct General Aviation Apron Phase 2, at Madera Municipal Airport, all in accordance with the plans and specifications on file with the City of Madera, 205 W. 4th Street, Madera, California, 93637, to which bidders are particularly referred.

Immediately after the time set for opening of bids, the proposals will be publicly opened and read at City Hall, Engineering Annex**,** 205 W. 4th Street, Madera, California and will be referred to and considered by the City Council at a scheduled regular meeting. Any bid received after the time specified will be returned to the bidder unopened.

1. SCOPE OF PROJECT

The work to be done under this contract consists of furnishing all materials, plant and equipment, and performing all necessary labor in accordance with the prepared plans, specifications, and special provisions as directed by the City or its authorized representative, as follows:

- Reconstruct General Aviation Apron (179,500 sq. ft.) including grading, drainage, paving, marking, and tie downs
- Perform all work and furnish all materials incidental to the above and in accordance with the prepared plans, specifications and special provisions and/or as directed by the City of Madera or its authorized representative.

2. PREPARATION OF BID

Each bid must be submitted on the prescribed form. All blank spaces for bid prices must be filled in, in ink or typewritten and the BID FORM must be fully completed and executed when submitted. Only one copy of the BID FORM is required.

Each bid must be submitted in a sealed envelope, addressed to the City Council at 205 West 4th Street, Madera, CA 93637. Each sealed envelope containing a BID must be plainly marked on the outside as **"BID FOR PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016"** and the envelope should bear on the outside the name of the BIDDER, his address, and his contractor's license number, and a statement, "DO NOT OPEN UNTIL THE TIME OF BID OPENING". If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the City Council at 205 W. 4th Street, Madera, CA 93637.

3. OWNER'S ACCEPTANCE OF BIDS

The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within 90 days after the actual date of the opening thereof. Should there be reasons why the Contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.

The Owner reserves the right to refuse to issue a proposal form to a prospective bidder should such bidder be in default for any of the following reasons.

a. Failure to comply with any pre-qualification regulations of the Owner, if such regulations are cited or otherwise included in the proposal as a requirement for bidding.

b. Failure to pay, or satisfactorily settle, all bills due for labor and materials on former contracts in force (with the Owner) at the time the Owner issues the proposal to a prospective bidder.

c. Contractor default under previous contracts with the Owner.

d. Unsatisfactory work on previous contracts with the Owner.

Any one or more of the following causes may be considered as sufficient for disqualification of a BIDDER and rejection of his proposal or proposals:

a. More than one proposal for the same work from an individual, partnership or corporation.

b. Evidence of collusion among BIDDERS. Participants in such collusion will receive no recognition as BIDDERS for any future work of the OWNER until such participant shall have been reinstated as a qualified BIDDER.

c. Lack of competency and adequate machinery, plant or other equipment, as may be revealed by financial statement if required.

d. For unsatisfactory performance record as shown by past work for the OWNER, judged from the standpoint of workmanship and progress.

e. Prior commitments or obligations which in the judgement of the OWNER might hinder or prevent the prompt completion of the work.

f. Failure to pay, or satisfactorily settle, all payments due for labor or materials on former contracts in force at the time of letting the BID.

g. Failure to comply with any qualifications regulation of the OWNER.

h. Omission of proposal guaranty.

Proposals shall be considered irregular for the following reasons:

a. If the proposal is on a form other than that furnished by the Owner, or if the Owner's form is altered, or if any part of the proposal form is detached.

b. If there are unauthorized additions, conditional or alternate pay items, or irregularities of any kind which make the proposal incomplete, indefinite, or otherwise ambiguous.

c. If the proposal does not contain a unit price of each pay item listed in the proposal, except in the case of authorized alternate pay items for which the bidder is not required to furnish a unit price.

d. If the proposal contains unit prices that are obviously unbalanced.

A BIDDER who claims a mistake in his BID must follow the procedures in Public Contract Code Division 2, Part 1, Chapter 5 et seq in seeking relief of his or her BID.

4. LOCAL CONDITIONS

Bidders are notified that they must carefully examine the Plans and Specifications, annexed forms of Proposal, General Conditions, and Contract and thoroughly familiarize themselves with all State and other laws pertaining to this improvement. They must also examine and judge for themselves as to the location and character of the proposed work, the amounts and quality of the materials to be required, the work to be done, the probable soil classification, and other features to be encountered. No allowance will be made to any bidder because of lack of such examination or knowledge. Bidders will be permitted to make such tests and examinations as they deem necessary to determine the character of the material which will be encountered in excavation. Such tests and examinations shall not interfere with airport operations and shall have prior approval of the Owner.

If any bidder is in doubt as to the true meaning of any part of the drawings, specifications, or other Contract Documents, or finds discrepancies in, or omissions from, the drawings or specifications, he may submit to the Design Engineer a written request for a clarification or correction thereof on the Bid Questions form as shown in Exhibit 1 of this section of the specifications, not later than five (5) days before the date bids will be opened. The person submitting the request will be responsible for its prompt delivery. Any clarification or correction will be made by written addendum, which shall be mailed or delivered to each person receiving a set of such documents. The City will not be responsible for any other explanation or interpretation of the Contract Documents.

The Contract Documents contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him from fulfilling any of the conditions of the Contract.

Any addenda issued before the time in which to submit bids expires shall form a part of the Contract Documents and shall be covered in the bid. Each bidder shall confirm receipt of any and all addenda in the space provided in Paragraph 1 of the bid form.

No person, firm, or corporation shall be allowed to make or file or be interested in more than one bid for the same work, unless alternate bids are called for.

5. EXISTING FACILITIES

The Contractor's attention is directed to the fact that the existing airport facilities must be kept in operation with an absolute minimum of interference in order that no delays or hazards affect the using of this airport facility. The Contractor shall be required to plan and coordinate his work with the Engineer in such a manner as to ensure safety and a minimum of hindrance to the public using the facilities. All construction and access to the construction must be confined to the limits designated by the Engineer.

6. ESTIMATE OF QUANTITIES

An estimate of quantities of work to be done and materials to be furnished under these Specifications is given in the proposal. It is the result of careful calculations and is believed to be correct. It is given only as a basis for comparison of proposals and the award of the Contract. The Owner does not expressly or by implication agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimate of quantities, or of the character, location, or other conditions pertaining to the work. Payment to the Contractor will be made only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications and accepted by the Owner. It is understood that the quantities may be increased or decreased as hereinafter provided in Section 90, *Measurement and Payment*, without in any way invalidating the unit bid prices.

Bidders must satisfy themselves as to the accuracy of the estimated quantities in the Bid Schedule by examination of the site and a review of the DRAWINGS and SPECIFICATIONS including ADDENDA. After Bids have been submitted, the Bidder shall not assert that there was a misunderstanding concerning the quantities of WORK or the nature of the WORK to be done.

7. BIDDER'S QUALIFICATIONS

Each bidder shall furnish the Owner satisfactory evidence of his/her competency to perform the proposed work. Such evidence of competency, unless otherwise specified, shall consist of statements covering the bidder’s past experience on similar work, a list of equipment that would be available for the work, and a list of key personnel that would be available. In addition, each bidder shall furnish the Owner satisfactory evidence of his/her financial responsibility. Such evidence of financial responsibility, unless otherwise specified, shall consist of a confidential statement or report of the bidder’s financial resources and liabilities as of the last calendar year or the Contractor’s last fiscal year. Such statement or reports shall be certified by a public accountant. At the time of submitting such financial statements or reports, the bidder shall further certify whether his/her financial responsibility is approximately the same as stated or reported by the public accountant. If

the bidder's financial responsibility has changed, the bidder shall qualify the public accountant's statement or report to reflect his/her (bidder's) true financial condition at the time such qualified statement or report is submitted to the Owner.

Unless otherwise specified, a bidder may submit evidence that he is pre-qualified with the State Highway Division and is on the current "Bidder's List" of the state in which the proposed work is located. Such evidence of State Highway Division pre-qualification may be submitted as evidence of financial responsibility in lieu of the certified statements or reports hereinbefore specified.

The three lowest bidders shall submit evidence of competency and evidence of financial responsibility to the Owner no later than 4:00 p.m. on the fourth business day following opening of bids.

8. CONTRACTOR'S LICENSE

It is not required that bidders hold a valid contractor's license at the time of bidding. It is, however, required that prior to award of a contract a Contractor hold a valid contractor's license of a class corresponding for the work to be done in accordance with the State Contractor's License Law requirements under the provisions of Chapter 791, Statutes of California, 1929, as amended.

9. SUBLETTING OF CONTRACT

The Contractor shall not sublet, sell, transfer, assign or otherwise dispose of the contract or contracts or any portion thereof, or of his right, title, or interest therein, without written consent of the Owner. In case such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform with his own organization not less than 30 percent of the total contract cost, except that any items designated by the Contractor and approved by the Owner as "specialty items" may be performed by subcontract and the cost of any such specialty items so performed by subcontract may be deducted from the total cost before computing the amount of work to be performed by the Contractor with his own organization. No subcontracts or transfer of contract shall release the Contractor of his liability under contracts and bonds.

10. IDENTIFICATION OF SUBCONTRACTOR BY BIDDERS

The Bidder shall include in his/her proposal for the work the name, location of the place of business, and California contractor's license number of each subcontractor who will perform work or labor or render service to the general contractor in or about the construction of the work or improvement in an amount in excess of one-half (1/2) of one percent (1%) of the general contractor's total bid, and the portion of the work which will be done by each subcontractor. An inadvertent error in California Contractor License Number shall not be grounds for filing a bid protest or ground for considering the bid nonresponsive as long as the corrected Contractor's License Number is submitted to the City by the prime contractor within 24 hours of the bid opening.

11. FORM OF PROPOSAL

All proposals must be submitted on the form furnished herewith and bound herein, and in addition to the necessary unit price items to make a complete bid, all blanks giving general information must be filled in and the bid signed by the Contractor or his/her duly authorized agent.

Proposals for the project described in Paragraph 1 of this section must be enclosed in a sealed envelope plainly addressed and marked as set forth in the Advertisement for Bids and must be on file prior to the time of opening of bids.

Each BID must be accompanied by a Bid Bond payable to the OWNER for ten percent of the total amount of the BID. As soon as the BID prices have been compared, the OWNER will return the bonds of all except the three lowest responsible BIDDERS. When the Agreement is executed, the bonds of the two remaining unsuccessful BIDDERS will be returned. The Bid Bond of the successful BIDDER will be retained until the Payment Bond and Performance Bond have been executed and approved, after which it will be returned. A certified or cashier's check may be used in lieu of a Bid Bond.

Attorney's-in-Fact who sign Bid Bonds must file with each bond a certified and effective dated copy of their power of attorney.

All bidders must submit with their bids a list of their proposed subcontractors in compliance with Sections 4100-4113 of the Government Code of the State of California. Forms for this designation are furnished in the Contract Documents.

12. BASIS OF AWARD

The contract, if awarded, will be awarded to the lowest responsive and responsible bidder who is in compliance with these instructions and the Advertisement for Bids, provided the bids are reasonable and it is to the interest of the Owner to accept them. If the bid form contains additive and/or deductive alternates, the Owner, for cost considerations, may select additive and/or deductive alternates before determining the lower bidder. The competency and the responsibility of bidders and of their proposed subcontractors will be considered in making the award of the bid. The Owner reserves the right to reject any or all bids, to waive irregularities not affecting substantial rights, and to delay the award pending approval of the Federal Aviation Administration.

The award of this project is contingent upon a grant offer from the Federal Aviation Administration and acceptance of the grant offer by the City of Madera.

In case of conflict in the proposal between unit price bid and the extended total, the unit price bid shall govern. In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.

The basis of the award is subject to all conditions as contained in these specifications. It is understood and agreed that all equipment and material items shall be in stockpile under immediate control of the Contractor prior to the time they will be needed to complete the work at the Airport.

The contract award will be made within ninety (90) calendar days after the date set for the opening of the bids. The Contractor shall commence work within ten (10) calendar days after the date set by the City of Madera in the written Notice to Proceed to the Contractor.

The party to whom the Contract is awarded will be required to execute the Agreement and obtain the Performance Bond and Payment Bond within fifteen (15) calendar days from the date when the NOTICE OF AWARD is delivered to the BIDDER. The NOTICE OF AWARD shall be accompanied by the necessary Agreement and Bond forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may, at his option, consider the BIDDER in default, in which case the Bid Bond accompanying the proposal shall become the property of the OWNER.

The party to whom the Contract is awarded will be required to meet the insurance requirements as specified in the CONTRACT DOCUMENTS and provide proof of carriage of insurance on the specified format prior to execution of the Agreement.

The Owner, within 15 days of receipt of acceptable Performance Bond, Payment Bond, and Agreement signed by the party to whom the Agreement was awarded, shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may, by written notice, withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The NOTICE TO PROCEED shall be issued within 10 days of the execution of the Agreement by the OWNER. Should there be reasons why the NOTICE TO PROCEED cannot be issued within such period, the time may be extended by mutual agreement between the OWNER and the CONTRACTOR. If the NOTICE TO PROCEED has not been issued within the 10-day period or within the period mutually agreed upon, the CONTRACTOR may terminate the Agreement without further liability on the part of either party.

The OWNER may make such investigations as it deems necessary to determine the ability of the BIDDER to perform the WORK, and the BIDDER shall furnish to the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated therein. The CONTRACT will not be awarded to anyone on the debarred list of Contractors.

13. CONTRACT BONDS

Upon receipt of written notice of award of the contract and not more than fifteen (15) calendar days thereafter, the Contractor shall furnish the following bonds with power of attorney issued by a surety licensed to do business in the State of California. The form of the bonds shall be acceptable to the Owner:

a. Faithful Performance Bond in a sum equal to one hundred percent (100%) of the amount of the contract awarded. This bond shall be made payable to the City of Madera to guarantee the faithful performance of the contract.

b. Payment Bond in a sum equal to one hundred percent (100%) of the amount of the contract awarded. This bond shall be made payable to the City of Madera to guarantee the payment of all labor, materials, rentals, etc. This bond shall have specific provisions to assure payment of all unemployment contributions which become due and payable.

Attorney's-in-Fact who signs Payment Bonds and Performance Bonds must file with each bond a certified and effective dated copy of their power of attorney.

14. WORKER'S COMPENSATION INSURANCE

The Contractor shall provide worker's compensation insurance, as required under the laws of the State of California, protecting the employees on the work, and shall pay all premiums due thereunder.

15. PUBLIC LIABILITY INSURANCE

For insurance requirements see "Insurance Requirements for Contractors".

16. CONTRACT TIME

The Contractor shall begin work within ten (10) calendar days after the date set in the written Notice to Proceed by the Owner and shall diligently prosecute same to completion for all of the proposed construction.

The contract time for the completion of the total project shall be forty (40) working days beginning on date of written Notice to Proceed.

The airport must remain open at all times during this construction. Aircraft must be allowed access to designated parking areas, the runway, and taxiways as shown on the plans.

17. LIQUIDATED DAMAGES

If the Contractor refuses or fails to complete the work within the time specified, including authorized extensions, there shall be deducted from monies due the Contractor, not as a penalty, but as liquidated damages the sum of Two Thousand Dollars ($2000.00) for each calendar day subsequent to the time specified and the time the work is actually completed and accepted. Delays caused by adverse weather conditions or conditions for which the Owner is clearly responsible will be added to the contract time.

18. SHOP AND MANUFACTURER'S DRAWINGS

The successful bidder shall submit to the Engineer five (5) copies of the name of manufacturers, catalog numbers, and shop drawings of each item of equipment he proposes to furnish and install under this contract. These submittals shall be made to the Engineer prior to or at the Preconstruction Conference.

19. SITE RESTRICTIONS AND SAFETY ON AIRPORTS DURING CONSTRUCTION ACTIVITY

During the time that the Contractor is performing the work, the apron, taxiways, and runways at the Madera Municipal Airport will remain in use by aircraft, except as specified in the special conditions of these specifications and as shown on the plans. The continued use of the runway and taxiways adjacent to areas where the Contractor is working will be so scheduled as to reduce disturbance to the Contractor's operations. Aircraft operations, unless otherwise specified in the Contract Specifications, shall always have priority over any and all of the Contractor's operations, and the Contractor shall not allow his employees, subcontractors, material, plant, men or any other persons over whom he has control to enter or remain upon any part of the Airport which would be a hazardous location.

20. FEDERAL REQUIREMENTS

The work done under this contract is being financed in part by a grant from the U.S. Government under the Airport Improvement Program. The following Federal Requirements must be adhered to by the Contractor:

a. This contract is under and subject to Executive Order 11246, as amended, of September 24, 1965, the Federal Labor provisions and the Equal Employment Opportunity (EEO) provisions as contained in the contract, specifications, and bid documents.

b. All mechanics and laborers on the project shall be paid no less than the minimum wage rate established by the U.S. Secretary of Labor. A copy of the Department of Labor Wage Rate Determination applicable to this contract is included in the specifications.

c. Each bidder must complete, sign and furnish with his bid the "Bidder's Statement on Previous Contracts Subject to EEO Clause," a "Certification of Non-segregated Facilities," and the pertinent Disadvantaged Business Enterprise forms if applicable. The DBE information included in the Bid Form, including the Disadvantaged Business Enterprise (DBE) Utilization, Letter of Intent, and Bidder's List, does not need to be submitted with the bid, but the three lowest bidders must submit this information no later than 4:00 p.m. on the fourth business day following the date of bid opening to remain eligible for award.

d. Required Notice for All Contracts:

(1) The bidder must supply all the information required by the proposal forms and specifications.

(2) The appropriate sponsor, in accordance with Title VI of the Civil Rights Act of 1964, hereby notifies all bidders that they (bidders) must affirmatively insure that in any contract entered into pursuant to this advertisement, the Contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (Title 49, Code of Federal Regulations, Part 21) as they may be amended from time to time.

(3) The Contractor agrees to ensure that disadvantaged business enterprises as defined in 49 CFR Part 26 have an equitable opportunity to participate in the performance of contracts financed in whole or in part with Federal funds provided under this agreement. In this regard Contractors shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure that disadvantaged business enterprises have an equitable opportunity to compete for and perform contracts. Contractors shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of contracts.

e. Required Notices for Contracts Over $10,000. The regulations and orders of the Secretary of Labor, Office of Federal Contract Compliance Programs (OFCCP) require that the sponsor and/or his contractor(s) include in Invitation for Bids (IFB) or negotiations for contracts over $10,000 the following notices:

(1) Each bidder will be required to comply with the affirmative action plan for equal employment opportunity prescribed by the OFCCP, United States Department of Labor, Regulations of the Secretary of Labor (41 CFR 60), or by other designated trades used in the performance of the contract and other non-Federally involved contracts in the area geographically defined in the plan.

(2) The proposed contract is under and subject to Executive Order 11246, as amended, of September 24, 1965, and to the EEO clause; and

(4) The successful bidder will be required to submit a Certification of Non-Segregated Facilities prior to award of the contract, and to notify prospective subcontractors of the requirement for such a certification where the subcontract exceeds $10,000. Samples of the certification and the notice to subcontractors appear in the specifications.

(5) When a determination has been made to award a contract or subcontract to a specific contractor, such contractor is required, prior to the award or after the award, or both, to furnish such other information as the FAA, the Sponsor, or the Director of OFCC requests.

(6) A bidder must indicate whether he has previously had a contract subject to the EEO clause, whether he has filed all report forms required in such contract, and if not, a compliance report (Standard Form SF 100) must be submitted prior to award of the contract.

(7) EEO and labor provisions, when applicable, are included in the bidding documents of specifications and are available for inspection at the City Hall.

(8) Contractors and subcontractors may satisfy requirements of the EEO contract clause by stating in all solicitations or advertisements for employees that:

> "All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin."

or by using a single advertisement in which appears in clearly distinguished type, the phrase:

> "An Equal Opportunity Employer".

21. U.S. DEPARTMENT OF LABOR POSTERS

U.S. Department of Labor Posters, Form SOL-155 (10-54), together with the applicable minimum wage rates, as determined by the Secretary of Labor for this project, shall be posted in a prominent place at the site of the work. The name of the FAA District Airport Engineer whom workers may contact in the event they have reason for complaint shall be placed in the box in the middle of the poster. Copies of this poster can be obtained from local Labor Department offices or at the U.S. Department of Labor website at http://www.dol.gov/osbp/sbrefa/poster/main.htm.

22. PAYMENTS

Progress payments shall be made at least once each month as the work progresses. These progress payments shall be based on work accomplished during the previous working month, based on the various contract bid items and the unit bid prices included in the Bid Schedule submitted by the Contractor with his/her bid. In applying for payments, the Contractor shall submit a statement based on this schedule. Payment will be made only for material and work actually incorporated in the work, except as allowed in Article 90-07, Payment for Materials on Hand, of the General Provisions of these specifications. A suggested form for this progress payment follows:

MONTHLY PROGRESS PAYMENT FORM

NAME OF JOB _____

CONTRACTOR _____

Statement as of _____

Item No.	Description*	Unit	Unit Price	Bid Quantity	Bid Amount	Quantity Complete	Amount Due	Percent Complete
TOTAL CONTRACT PRICE					$		$	
Change Order No. _____								
REVISED CONTRACT PRICE							$	
Total earned to date							$	
Less 5% Retention								
Total amount due							$	
Less previous payments								
AMOUNT DUE THIS PAYMENT							$	

Submitted by: Approved by:

_____ _____

*List contract items which comprise the total of the bid as shown in the proposal.

23. WITHHOLDING

Owner shall withhold from each payment due the Contractor five percent (5%) of the amount claimed. This 5% of the payment shall be withheld until final acceptance of the total project is given by the Owner, by the Engineer, and by the FAA. After final acceptance of the project is given and the Contractor has submitted acceptable release of all liens, red-lined drawings showing the "as-built" condition of the completed project, and all items listed in Article 90-09, Acceptance and Final Payment of the General Provisions of these specifications, then the Owner shall release for payment the 5% retention. Owner will make such final payment of retention within thirty-five (35) days of recording of the final acceptance of the project by the County Recorder and submittal of release of liens and red-lined as-built drawings.

24. DEFINITIONS

Whenever in the specifications or on the drawings the word directed, required, permitted, designated, ordered, or words of like import are used, it shall be understood that the direction, requirement, permission, designation or order of the City of Madera is intended; and, similarly, the words approved, satisfactory, suitable, acceptable, or words of like import, shall mean approved by the representative of the City of Madera authorized to express such approval.

25. LEGAL REQUIREMENTS

The Bidder's special attention is directed to the requirements set forth in Part B of Division III, Federal Provisions, Required Contract Provisions for Airport Improvement Program and for Obligated Sponsors. The contract shall include all of the requirements set forth in this section. The contractor shall insert these contract provisions in each contract and subcontract and further require that the clauses be included in all subcontracts.

26. WAGE RATES

All labor on the project shall be paid no less than the minimum wage rates as established by the U.S. Secretary of Labor. Further, pursuant to California Labor Code Section 1770, the California Director of Industrial Relations has specified the general prevailing wage rates for all public projects in California. The wages to be paid to all workers on such projects shall not be less than those specified in such wage rate determination. The higher of the two rates shall be paid.

The wage rates specified by the U.S. Secretary of Labor are included in Attachment 2 to the Contract (Section D of Division II) and are available online at www.wdol.gov/dba.aspx#0.

27. TAXES

Bidders shall have included in their bids any and all Federal, State and local taxes of whatever nature in connection with material to be furnished to the City. Absolutely no extras shall be allowed for such by the City. The successful bidder will be required to obtain a Business Tax Certificate from the City of Madera prior to commencing work under a contract with the City. Failure to obtain the

Tax Certificate within five (5) days of the AWARD OF CONTRACT will be cause for termination of the Contract or the contract process if not yet fully executed.

28. CONTRACT DOCUMENTS

The form of agreement which the successful bidder, as Contractor, will be required to execute and the form of bonds which he will be required to furnish are included in the Contract Documents and should be carefully examined by each bidder. The agreement and bonds will be executed in two (2) original counterparts. The complete contract consists of the Contract Documents as defined in the agreement, and are intended to cooperate and be complementary so that any work called for in one and not mentioned in the other, or vice versa, is to be executed the same as if mentioned in all said documents. The intention of the documents is to include all labor, materials, equipment, transportation and services necessary for the proper execution of the work.

29. DECLARATION FOR FINAL PAYMENT

After the completion of the work of this contract, the Contractor shall file with the City his declaration under penalty of perjury stating that all workers and persons employed, all firms supplying the materials and all subcontractors upon the project, have been paid in full and that there are no bills outstanding against the project for either labor or materials except certain items, if any, to be set forth in detail in the declaration. The filing of such declaration by the Contractor and the submittals referred to in Section 90-11 of the General Provisions shall be a condition precedent to Contractor's receipt of the final payment on this contract.

30. ADMONITION

All bidders hereby are advised that the City of Madera has adopted General Provisions for this work which differ substantially from the general provisions provided for private projects or projects undertaken by other governmental agencies. Contractors are admonished to carefully read the General Provisions, as well as the special conditions and technical provisions, and are advised that the General Provisions shall be enforced strictly.

**** END OF SECTION ****

MADERA MUNICIPAL AIRPORT
4020 Aviation Drive
Madera, California 93637

BIDDER QUESTIONS FOR:

PROJECT 216-1
AIP NO. 3-06-0144-27-2016

ATTENTION: REINARD W. BRANDLEY
DATE RECEIVED:_____
QUESTION NUMBER:_____
PHONE NO. 916-652-4725
FAX NO. 916-652-9029
DEADLINE FOR QUESTIONS _____

MADERA MUNICIPAL AIRPORT
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

FROM: _____
CONTACT PERSON:_____

DATE:_____
PHONE NO. _____
FAX NO. _____

QUESTION:_____

ANSWER:_____

RESPONSE BY_____
ADDENDUM ISSUED: YES___NO____

DATE:_____
DATE:_____

NOTICE OF AWARD

To: _____
_____
_____

Sample

PROJECT Description: **PROJECT 216-1; RECONSTRUCT GENERAL AVIATION APRON PHASE 2 MADERA MUNICIPAL AIRPORT**

The OWNER has considered the BID submitted by you for the above described WORK dated _____, 2016.

You are hereby notified that your BID has been accepted for the unit and lump sum prices set forth in the Bid Schedule totaling $_____.

You are required by the Information for Bidders to execute the Agreement and furnish the required Contractor's Performance Bond and Payment Bond within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said Bonds within 10 days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance to your BID as abandoned and as a forfeiture of your Bid Bond. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____day of _____, 2016.

_____
OWNER

BY:_____
TITLE:_____

ACCEPTANCE OF NOTICE
Receipt of the above NOTICE OF AWARD
Is hereby acknowledged.

By_____
this the _____ day of _____, 2016
_____

By_____

Title_____

NOTICE TO PROCEED Sample

To: _____
_____
_____
_____
_____

Date:_____
Project: **Project 216-1**
Reconstruct General Aviation Apron
Phase 2
Madera Municipal Airport

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 2016, on or before _____, 2016, and you are to complete all the WORK by _____, 2016.

The CONTRACT provides for a charge as liquidated damages in the sum of $800.00 for each calendar day after the above-established CONTRACT completion date that the work remains incomplete.

_____
OWNER

BY:_____

TITLE:_____

ACCEPTANCE OF NOTICE
Receipt of the above NOTICE TO PROCEED
Is hereby acknowledged.

By_____

this the _____ day of _____, 2016

_____

By_____

Title_____

CITY OF MADERA
CHANGE ORDER Sample

Order No.:_____
Date:_____
Agreement Date:_____

NAME OF PROJECT:_____

OWNER:_____

CONTRACTOR:_____

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification:_____
_____
_____

Change to CONTRACT PRICE:

Original CONTRACT PRICE: $_____

Current CONTRACT PRICE adjust by previous CHANGE ORDER: $_____

The new CONTRACT PRICE due to this CHANGE ORDER will be (increased) (decreased) by: $_____

The new CONTRACT PRICE including this CHANGE ORDER will be: $_____

Change to CONTRACT TIME:

The CONTRACT TIME will be (increased) (decreased) by _____ calendar days.

The date for completion of all WORK will be _____ (date).

Recommended by: _____

Ordered by: _____

Accepted by: _____

Approved by: _____

Sample

CITY OF MADERA
PROGRESS PAYMENT REQUEST SUMMARY

CONTRACTOR: _____

_____

_____

PROJECT: _____

CONTRACT NO.: _____

PAYMENT ESTIMATE NO.: _____

DATE SUBMITTED: _____

Original Contract Sum	$_____
Contract Change Order (Net)	$_____
Total Contract Sum	$_____
Total Completed to Date	$_____
Retention	$_____
Total Earned Less Retention	$_____
Less Previous Payments	$_____
Current Payment Due	$_____

SECTION C * BID DOCUMENTS

BIDDER'S CHECKLIST

MADERA MUNICIPAL AIRPORT
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
AIP NO. 3-06-0144-27-2016
PROJECT 216-1

SUBMIT THIS BIDDER'S CHECKLIST WITH YOUR BID DOCUMENTS. Bidders shall complete and submit all documents marked with an "X" in the "REQUIRED" column for bids to be considered responsive.

REQUIRED

[X] 1. **BID FORM,** PAGES C-2 THRU C-6
[X] 2. **BID SCHEDULE,** PAGES C-7 THRU C-13
[X] 3. **BID DEPOSIT** attached to front of Proposal in the form of:
[ ] Certified Check [ ] Bidder's Bond (Pages C14 – C15)
[ ] Cashier's Check [ ] Irrevocable Letter of Credit
[ ] Certificate of Deposit
[X] 4. **DESIGNATION OF SUBCONTRACTORS**, PAGE C-16
[X] 5. **CERTIFICATION OF NON-SEGREGATED FACILITIES**, PAGE C-17
[X] 6. **BIDDER'S STATEMENT ON PREVIOUS CONTRACTS SUBJECT TO EEO CLAUSE**, PAGE C-18
[X] 7. **CERTIFICATES REGARDING DEBARMENT,** PAGE C-19
[X] 8. **TRADE RESTRICTION CERTIFICATION**, PAGES C-20 THRU C-21
[X] 9. **CERTIFICATION REGARDING LOBBYING**, PAGE C-22
[X] 10. **NONCOLLUSION AFFIDAVIT**, PAGE C-23
[X] 11. **BUY AMERICAN CERTIFICATION**, PAGES C-24 THRU C-25
[X] 12. **DBE INFORMATION** – The following shall be submitted by the three lowest bidders no later than 4:00 p.m. on the fourth business day following the date of bid opening to remain eligible for award:
[X] **DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION**, PAGE C-26
[X] **LETTER OF INTENT**, PAGE C-27
[X] **BIDDER'S LIST**, PAGE C-28

SUBMITTED BY:
Name of Company_____ Contact Name_____

Address_____City_____State_____Zip_____

Phone No._____ Fax No._____

Documents required on the checklist but not included may render your bid non-responsive and ineligible for award. Bids received by the City of Madera by the scheduled bid opening time will be opened and publicly read but are subject to verification that all the required documents have been submitted.

SUBMIT THIS SHEET AS PART OF YOUR BID.

BID FORM

Bid Opening Date: May 3, 2016 ~~April 26, 2016~~
Hour of Bid Opening: 2:00 P.M.

Place of Bid Opening:
City of Madera City Hall Engineering Annex
205 W. 4th Street
Madera, California 93637

Pre-Bid Conference Date: _____
Hour of Pre-Bid Conference: _____

Place of Pre-Bid Conference:
Airport Manager's Office
Madera Municipal Airport

TO: The City of Madera, State of California:

The undersigned bidder declares that he has carefully examined the Plans and Specifications, Instructions to Bidders, General Conditions, Contract Form and Bond Forms including Addenda No.(s) _____ to the project described as follows:

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
AIP NO. 3-06-0144-27-2016
PROJECT 216-1

The City shall conduct a Pre-bid Conference on April 12, 2016, at 2:00 P.M. at the following location: Airport Manager's Office, Madera Municipal Airport, Madera, California. All interested bidders are invited to attend.

The undersigned bidder further declares that he has made an examination of the site of the proposed work and has made such investigations as are necessary to determine the character of the materials to be handled, the probable interference due to airport operations and other conditions to be encountered, independently of the indications of the Plans, that he has examined the Schedule of Wages of the U.S. Department of Labor and the general prevailing wage rates for all public projects of the State of California and hereby accepts the same and certifies that the higher of the two rates shall be paid for labor connected with this project. That if this proposal is accepted, he will contract with the City of Madera, in the form of Contract hereto annexed; will, to the extent of his bid, provide any and all necessary machinery, tools, and apparatus, and other means of construction; and will furnish all material and labor as specified or called for by the plans as is necessary to complete the work in the manner specified and in accordance with the requirements of the City of Madera.

In the performance of this project, the undersigned agrees to abide by all of the Contract requirements contained in the Specifications and all documents. It is further certified that the Schedule of Wages contained in the project specifications have been examined and the prices bid in this proposal are based on the higher of the two above-mentioned schedules.

SUBMIT THIS SHEET AS PART OF YOUR BID.

The undersigned agrees that he will order all materials and equipment under this contract and will commence work within ten (10) days after receiving written notice to proceed and that he will complete the work within forty (40) working days of written Notice to Proceed.

The undersigned further agrees that should he fail to complete any segment of work in the time specified, he will pay liquidated damages in the amount of $2000 for each consecutive calendar day thereafter to the City as prescribed in these specifications.

The undersigned further declares that this proposal is made according to the provisions and under the terms of the contract documents bound herewith; and in accordance with the accompanying plans, which plans and the aforementioned contract documents are hereby made a part of this proposal.

The bidder further declares that he will accept the unit prices and/or lump sum prices as hereinafter written in the Bid Schedule of this proposal as full payment for the proposed work.

It is understood that the award of this project is contingent upon a grant offer from the Federal Aviation Administration and acceptance of the grant offer by the City of Madera.

It is understood that City reserves the right to reject this proposal and that it shall remain open and not be withdrawn for a period of ninety (90) days from the date prescribed for its opening.

It is understood that the City reserves the right to increase or decrease the quantities of items bid in the contract with no change in the unit prices bid, provided the change in a major item (20 percent of total bid) does not exceed 25 percent.

Attached hereto and incorporated herein, in compliance with Section 4100-4113 of the Government Code of the State of California, is a "Designation of Subcontractors."

It is understood and agreed that if written notice of the acceptance of this proposal is mailed or delivered personally to the undersigned bidder within ninety (90) days after the opening of the proposal, or at any time thereafter before it is withdrawn, the undersigned bidder will execute and deliver the Contract Documents to City in accordance with the proposal as accepted, together with the insurance documents specified in Insurance Requirements for Contractors of these specifications, and will also furnish and deliver to City the Performance Bond and Payment bond as herein specified, all within ten (10) days after personal delivery or deposit in the mails, as the case may be, of the notification of award and that the work under the contract shall be commenced by the undersigned bidder on the date to be stated in City's notice to proceed, and shall be completed in the time specified in the agreement for construction or any modification thereto duly made by change order.

Notice of acceptance or request for additional information may be addressed to the undersigned bidder at the business address set forth below:

SUBMIT THIS SHEET AS PART OF YOUR BID.

_____
_____
_____

The undersigned bidder declares that this proposal is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that the proposal is genuine and not collusive or sham; that the undersigned bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham proposal and has not directly or indirectly colluded or agreed with any bidder or anyone else to put in a sham proposal or to refrain from bidding; that the undersigned bidder has not directly or indirectly sought by agreement, communication, or conference with anyone to fix his bid price or the bid price of any other bidder, or to fix any overhead, profit or cost advantage against the City or anyone interested in this proposed contract; that the only persons or parties interested in this proposal as principals are those named herein; that all statements contained in this proposal are true; that the undersigned bidder has not directly, or indirectly, submitted his bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any other person, partnership, corporation, or association except to such person or persons as have a direct financial interest in bidder's general business; and that he is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self insurance in accordance with the provisions of that code, and he will comply with such provisions before commencing the performance of the work of this contract.

Wherever in this proposal an amount is stated in both words and figures, in case of discrepancy, the words shall prevail; if all or any portion of the proposal is required to be given in unit prices and totals and a discrepancy exists between any such unit prices and totals so given, the unit prices shall prevail.

Accompanying this proposed bid is _____ (insert words, "cash," "cashier's check," "certified check," or "bidder's bond," as the case may be) of the (name of surety if bid bond submitted) in an amount equal to at least ten percent (10%) of total of the bid. If the enclosure is a check or bond, it is made payable to the City of Madera.

The names of all persons interested in the foregoing proposal as principals are as follows: (Stockholders and limited partners need not be listed unless they are officers or employees of the corporation or limited partnership. All general partners and corporate officers shall be listed. If a stockholder or partner is a firm, list the principles of that firm, as stated herein.)

(If bidder or other interested person is a corporation, it must furnish a certificate attesting to corporate existence and authority of officers to sign contracts and other documents. State legal name of corporation, names of the president, secretary, treasurer, and manager thereof.)

NAME	BUSINESS ADDRESS	INTEREST (owner, partner, etc.)

Attach additional sheets if necessary

SUBMIT THIS SHEET AS PART OF YOUR BID.

By submission of a bid, a bidder certifies possession of duly issued and valid Contractor's license issued by the State of California will be obtained prior to award of the contract, which license authorizes bidder to contract to perform the type of work required by the specifications.*

Licensed in accordance with an Act providing for the Registration of Contractors:

License No.: _____

Class of License: _____

DIR Registration No._____

Name and Relationship to Bidder of Licensed Firm or Individual:

License Holder: _____

Relationship to Bidder: _____

*If bidder does not hold a valid contractor's license at the time of bidding, leave these lines blank. At the time of award of the contract the apparent low bidder shall be required to hold a valid contractor's license and to submit this information to the Owner.

SUBMIT THIS SHEET AS PART OF YOUR BID.

Signature of Bidder:

_____ _____

CONTRACTOR Street Address

Sign here: _____

City, State & Zip

_____

By: _____

Type Name

-AND-

Sign here: _____

Telephone (Include Area Code)

_____

By:_____

Type Name

(CORPORATE SEAL)

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation and a corporate seal; if bidder is a copartnership, the true names of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts in behalf of the copartnership; and if bidder is an individual, his signature shall be placed above.

SUBMIT THIS SHEET AS PART OF YOUR BID.

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-27-2016
PROJECT 215-1

BID SCHEDULE

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
GENERAL				
1	1 LS	Mobilization (GP-105) _____Dollars and_____Cents Lump Sum	$_____	$_____
2	1 LS	SWPPP Prepared and Implemented by Qualified SWPPP Developer (QSD) (ST-02) _____Dollars and_____Cents Lump Sum	$_____	$_____
3	1 LS	Marking and Lighting of Closed Airport Facilities (ST-03) _____Dollars and_____Cents Lump Sum	$_____	$_____
4	1 LS	Demolition (ST-04) _____Dollars and_____Cents Lump Sum	$_____	$_____
EARTHWORK				
5	17,500 SY	Pavement Removal (P-101) _____Dollars and_____Cents per Square Yard	$_____	$_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
6	1 Acre	Clearing and Grubbing (P-151) _____Dollars and_____Cents per Acre	$_____	$_____
7	12,200 CY	Unclassified Excavation (P-152) _____Dollars and_____Cents per Cubic Yard	$_____	$_____
8	500 CY	Muck Excavation (P-152) _____Dollars and_____Cents per Cubic Yard	$_____	$_____
9	1,000 SY	Geogrid (SS-05) _____Dollars and_____Cents per Square Yard	$_____	$_____
10	3,700 CY	Subbase Course (P-154) _____Dollars and_____Cents per Cubic Yard	$_____	$_____
FLEXIBLE BASE COURSE				
11	3,100 CY	Crushed Aggregate Base Course (P-209) _____Dollars and_____Cents per Cubic Yard	$_____	$_____
FLEXIBLE SURFACE COURSE				
12	3,300 Tons	Bituminous Surface Course (P-401) _____Dollars and_____Cents per Ton	$_____	$_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
MISCELLANEOUS				
13	15 Tons	Bituminous Prime Coat (P-602) _____Dollars and_____Cents per Ton	$_____	$_____
14	7 Tons	Bituminous Tack Coat (P-603) _____Dollars and_____Cents per Ton	$_____	$_____
15	110 SF	Remove Existing Airfield Marking (ST-06) _____Dollars and_____Cents per Square Foot	$_____	$_____
16	950 SF	Runway and Taxiway Marking (P-620) _____Dollars and_____Cents per Square Foot	$_____	$_____
17	90 LB	Reflective Media (P-620) _____Dollars and_____Cents per Pound	$_____	$_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
FENCING				
18	450 LF	4-foot Chain-Link Fence, Class E (F-162) _____Dollars and_____Cents per Linear Foot	$_____	$_____
19	2 EA	4-foot High, 4 foot Wide Pedestrian Gate (F-162) _____Dollars and_____Cents per Each	$_____	$_____
DRAINAGE				
20	280 LF	18-inch RCP, Class IV (D-701) _____Dollars and_____Cents per Linear Foot	$_____	$_____
21	690 LF	24-inch RCP, Class IV (D-701) _____Dollars and_____Cents per Linear Foot	$_____	$_____
22	1 EA	End Cap Existing 12” RCP (ST-07) _____Dollars and_____Cents per Each	$_____	$_____
23	1 EA	End Cap Existing 24” RCP (ST-07) _____Dollars and_____Cents per Each	$_____	$_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
24	2 EA	Drop Inlets (D-751) _____Dollars and_____Cents per Each	$_____	$_____
25	1 EA	Curb Inlets (D-751) _____Dollars and_____Cents per Each	$_____	$_____
26	170 LF	AC Curb (ST-08) _____Dollars and_____Cents per Linear Foot	$_____	$_____
LIGHTING INSTALLATION				
27	300 LF	No. 6 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108) _____Dollars and_____Cents per Linear Foot	$_____	$_____
28	1,200 LF	No. 8 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108) _____Dollars and_____Cents per Linear Foot	$_____	$_____
29	700 LF	No. 10 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108) _____Dollars and_____Cents per Linear Foot	$_____	$_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
30	200 LF	No. 6 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108) _____Dollars and_____Cents per Linear Foot	$_____	$_____
31	400 LF	No. 8 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108) _____Dollars and_____Cents per Linear Foot	$_____	$_____
32	350 LF	No. 10 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108) _____Dollars and_____Cents per Linear Foot	$_____	$_____
33	800 LF	Concrete Encased Electrical Conduit, Type I, 1-way, 2-inch (L-110) _____Dollars and_____Cents per Linear Foot	$_____	$_____
34	1 EA	Electrical Junction Structure, L867, Class 1, Size D, Complete (L-115) _____Dollars and_____Cents per Each	$_____	$_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

Item No.	Estimated Quantity	Item Description and Price	Unit Price	Item Total
35	2 EA	Furnish and Install 35-foot Floodlight Poles Complete with 400-watt Luminaires and Brackets (ST-10) _____Dollars and_____Cents per Each	$_____	$_____
36	4 EA	Remove and Replace Existing 1,000-watt Halogen Luminaires with New 400-watt LED Double Head Luminaires and Brackets (ST-10) _____Dollars and_____Cents per Each	$_____	$_____
TIE DOWNS				
37	57 EA	Tie Down Anchors (ST-11) _____Dollars and_____Cents per Each	$_____	$_____
		TOTAL BID AMOUNT	$_____	

Total Bid Amount (In Words): _____

_____

_____Dollars

NOTES:

1. **In the event the product of a unit price and an estimated quantity do not equal the extended amount stated, the unit price will govern and the correct product of the unit price and the estimated quantity shall be deemed to be the amount bid.**
2. **In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.**

SUBMIT THIS SHEET AS PART OF YOUR BID.

BIDDER'S BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____,as Principal, and_____ _____, as Surety, are held and firmly bound unto the City of Madera, State of California, (hereinafter called "City") in the sum of ten percent (10%) of the total aggregate amount of the bid of the Principal above named, submitted by said Principal to City for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents. In no case shall the liability of the Surety hereunder exceed the sum of_____ _____ ($_____). The condition of this obligation is such that a bid to City for certain construction specifically described as follows, for which bids are to be opened on April 26 , 2016, has been submitted by Principal to City:

(Copy here the exact description of work, including location, from bid form):

_____.

NOW, THEREFORE, if the aforesaid Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within ninety (90) days after said opening, and shall within the period specified therefor, or, if no period be specified, within ten (10) days after the prescribed forms are presented to him for signature, enter into a written contract with City, in the prescribed form, in accordance with the bid as accepted, and file the two bonds with Owner, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by the Contract Documents, then this obligation shall be null and void; otherwise, it shall be and remain in full force, virtue and effect. And the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of said contract or to the work to be performed thereunder or the specifications accompanying the same shall in any manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration, or addition.

In the event suit is brought upon said bond by City and Judgment is recovered, then Surety shall pay all costs incurred by City in such suit, including a reasonable attorneys' fee to be fixed by the Court. Death of the Principal shall not relieve Surety of its obligations hereunder.

SUBMIT THIS SHEET AS PART OF YOUR BID.

IN WITNESS WHEREOF, we have hereunder set our hands and seals on this ____day of , 2016.

_____(SEAL)

_____(SEAL)

_____(SEAL)

PRINCIPAL

_____(SEAL)

_____(SEAL)

_____(SEAL)

SURETY

_____

_____

NOTE:

Signatures of those executing for Surety must be properly acknowledged, and a power of attorney attached.

SUBMIT THIS SHEET AS PART OF YOUR BID.

DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of Section 4100 et seq. of the Government Code of the State of California, and any amendments thereof, the undersigned bidder has set forth below:

(a) The name and location of the place of business of each subcontractor who will perform work or labor, or render service to the undersigned in or about the construction of the work to be performed hereunder, or a subcontractor licensed by the State of California, who, under subcontract to the undersigned, will specifically fabricate and install a portion of said work according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent (0.5%) of the undersigned's total bid; and

(b) The portion of the work which will be done by each subcontractor for each subcontract in excess of one-half of one percent (0.5%) of the undersigned's total bid. The undersigned shall list only one subcontractor for each such portion.

Note: When there is a failure to list a subcontractor, the law provides that the prime Contractor agrees to do the work himself, and that said prime Contractor agrees that he is fully qualified to perform such work.

Portion of Work	Percent of Total Contract	Subcontractor	Address	Contractor License No.

By _____
(Bidder's Signature)

SUBMIT THIS SHEET AS PART OF YOUR BID.

CERTIFICATION OF NONSEGREGATED FACILITIES

The federally-assisted construction contractor certifies that Contractor does not maintain or provide for his/her employees any segregated facilities at any of his/her establishments and that he/she does not permit his/her employees to perform their services at any location, under Contractor control, where segregated facilities are maintained. The federally-assisted construction contractor certifies that he/she will not maintain or provide, for his/her employees, segregated facilities at any of his/her establishments and that he/she will not permit his/her employees to perform their services at any location under his/her control where segregated facilities are maintained. The federally-assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this contract.

As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directives or are , in fact, segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or any other reason.

The federally-assisted construction contractor agrees that (except where he/she has obtained identical certifications from proposed subcontractors for specific time periods) he/she will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity Clause, and that he/she will retain such certifications in his/her files.

Certification - The information above is true and complete to the best of my knowledge and belief.

_____

Name and Title of Signer (Please type)

_____ _____

Signature Date

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

SUBMIT THIS SHEET AS PART OF YOUR BID.

BIDDER'S STATEMENT ON PREVIOUS
CONTRACTS SUBJECT TO EEO CLAUSE

The Bidder shall complete the following statement by checking the appropriate lines:

*The Bidder has ☐ has not ☐ participated in a previous contract subject to the Equal Opportunity Clause prescribed by Executive Order 11246, as amended, of September 24, 1965.

*The Bidder has ☐ has not ☐ submitted all compliance reports in connection with any such contract due under the applicable filing requirements; and that representations indicating submission of required compliance reports signed by proposed subcontractors will be obtained prior to award of subcontracts.

If the Bidder has participated in a previous contract subject to the Equal Opportunity Clause and has not submitted compliance reports due under applicable filing requirements, the Bidder shall submit a compliance report on Standard Form 100, "Employee Information Report EEO-I," prior to the award of contract:

_____ _____

Signature (Name of Bidder)

_____ By _____

Date Name & Title of Signing Official)

Business Address _____

_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

CERTIFICATES REGARDING DEBARMENT

CERTIFICATE OF OFFERER/BIDDER REGARDING DEBARMENT

By submitting a bid/proposal under this solicitation, the bidder or offeror certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

CERTIFICATION OF LOWER TIER CONTRACTORS REGARDING DEBARMENT

The successful bidder, by administering each lower tier subcontract that exceeds $25,000 as a "covered transaction", must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website: http://www.sam.gov
2. Collecting a certification statement similar to the Certificate Regarding Debarment and Suspension (Bidder or Offeror), above.
3. Inserting a clause or condition in the covered transaction with the lower tier contract

If the FAA later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

DATE_____ SIGNED BY_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

TRADE RESTRICTION CERTIFICATION

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror -

a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (U.S.T.R.);

b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R; and

c. has not entered into any subcontract for any product to be used on the Federal on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

(1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or

(2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or

(3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R, unless the Offeror has knowledge that the certification is erroneous.

SUBMIT THIS SHEET AS PART OF YOUR BID.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

DATE_____ SIGNED BY _____

SUBMIT THIS SHEET AS PART OF YOUR BID.

CERTIFICATION REGARDING LOBBYING

The bidder or offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

DATE_____ SIGNED BY_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

AFFIDAVIT MUST BE NOTARIZED

NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

STATE OF CALIFORNIA)
) ss.
COUNTY OF_____)

I _____(Name), being first duly sworn, deposes and says that he or she is (Title) of _____(Firm Name) the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

TITLE OF CONTRACT _____

CONTRACT NO. _____

_____
(Signature)

AFFIDAVIT MUST BE NOTARIZED

SUBMIT THIS SHEET AS PART OF YOUR BID.

BUY AMERICAN CERTIFICATION

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one on the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (not both) by inserting a checkmark (✓) or the letter "X".

☐ Bidder or offeror hereby certifies that it will comply with 49 USC § 50101 by:

a) Only installing steel and manufactured products produced in the United States, or;
b) Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing, or;
c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
2. To faithfully comply with providing US domestic product
3. To furnish US domestic product for any waiver request that the FAA rejects
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

☐ The bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

1. To the submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may result in rejection of the proposal.
3. To faithfully comply with providing US domestic products at or above the approved US domestic content percentage as approved by the FAA.
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 3 Waiver - The cost of the item components and subcomponents produced in the United States is more that 60% of the cost of all components and subcomponents of the "item". The required documentation for a type 3 waiver is:

a) Listing of all product components and subcomponents that are not comprised of 100% US domestic content (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart

SUBMIT THIS SHEET AS PART OF YOUR BID.

25.108; products of unknown origin must be considered as non-domestic products in their entirety).

b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly at place of manufacture.

c) Percentage of non-domestic component and subcomponent cost as compared to total "item" component and subcomponent costs, excluding labor costs associated with final assembly at place of manufacture.

Type 4 Waiver – Total cost of project using US domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a type 4 of waiver is:

a) Detailed cost information for total project using US domestic product

b) Detailed cost information for total project using non-domestic product

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date	Signature
Company Name	Title

SUBMIT THIS SHEET AS PART OF YOUR BID.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION

The bidder is committed to ____% race neutral DBE utilization on this project based on its proposed DBE subcontractors/vendors for participation under this contract.

Contractor_____

State Registration No. _____

By _____ _____
(Signature) (Title)

Address_____

Phone No. _____ Zip Code_____

THIS SHEET TO BE SUBMITTED BY FOUR LOWEST BIDDERS
NO LATER THAN 4:00 P.M. FOLLOWING DATE OF BID OPENING.

Letter of Intent

Name of bidder/offeror's firm: _____

Address: _____

City: _____ State: _____ Zip: _____

Name of DBE firm: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Description of work to be performed by DBE firm:

- - - -

BIDDER'S LIST
(SUBCONTRACTS)

All firms bidding or quoting on subcontracts for this DOT-assisted project are listed below:

Firm Name	**Address**	**Certified DBE** (Y or N)	**Age of Firm**	**GRS***

*GRS – Annual Gross Receipts
Enter 1 for less than $1 million
Enter 2 for more than $1 million, less than $5 million
Enter 3 for more than $5 million, less than $10 million
Enter 4 for more than $10 million, less than $15 million
Enter 5 for more than $15 million

THIS SHEET TO BE SUBMITTED BY FOUR LOWEST BIDDERS
NO LATER THAN 4:00 P.M. FOLLOWING DATE OF BID OPENING.

SECTION D

AGREEMENT

THIS AGREEMENT, made and entered into this ____ day of _____, 2016, by and between the CITY OF MADERA, a municipal corporation, (hereinafter referred to as "Owner"), and , a corporation duly organized and existing under the laws of the State of California, or (a partnership consisting of _____ _____) or (an individual doing business as_____ _____), (hereinafter referred to as "Contractor"), and will expire as of the completion of the terms of the Agreement,

WITNESSETH: That for and consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR shall commence and complete all WORK required to complete **Project 216-1; Reconstruct General Aviation Apron Phase 2; Madera Municipal Airport.**

2. The CONTRACTOR shall furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the WORK described herein.

3. The CONTRACTOR shall commence the WORK required by the CONTRACT DOCUMENTS within ten (10) calendar days after the date of the NOTICE TO PROCEED and will complete the same within the time period set forth in the CONTRACT DOCUMENTS. The CONTRACTOR shall submit a Payment Bond and Performance Bond in the amount of $_____, each and Insurance Certificates as specified in the CONTRACT DOCUMENTS prior to commencing any WORK.

4. The CONTRACTOR agrees to perform all of the WORK described in the DOCUMENTS for the unit and lump sum prices set forth in Exhibit “A”.

5. The term ‘CONTRACT DOCUMENTS’ means and includes the following:

(a) Advertisement for Bids
(b) Information for Bidders
(c) Bid
(d) Bid Bond
(e) Agreement
(f) Payment Bond
(g) Performance Bond
(h) Insurance Requirements for Contractors
(i) NOTICE OF AWARD
(j) NOTICE TO PROCEED
(k) CHANGE ORDER
(l) Federal Provisions
(m) State and Local General Provisions
(n) Special Conditions

(o) SPECIFICATIONS prepared or issued by the City of Madera, Engineering Department, entitled, "**MADERA MUNICIPAL AIRPORT, MADERA, CALIFORNIA, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016, PROJECT 216-1,"** dated March 2016.

(p) DRAWINGS prepared or issued by the City of Madera, Engineering Department numbered Sheets 1 through 19.

(q) Appendix A - Construction Safety and Phasing Plan

(r) Appendix B – Construction Management Plan

(s) ADDENDA

No._____, dated_____, 2016
No._____, dated_____, 2016
No._____, dated_____, 2016
No._____, dated_____, 2016
No._____, dated_____, 2016
No._____, dated_____, 2016

(t) Shop Drawings and Manufacturers' Instructions approved

6. In the event the CONTRACTOR does not complete the WORK within the time limit specified herein or within such further time as authorized, the CONTRACTOR shall pay to the OWNER liquidated damages in the amount of Eight Hundred Dollars ($800.00) per day for each and every calendar day's delay in finishing the WORK beyond the completion date so specified.

7. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS. For any moneys earned by the CONTRACTOR and withheld by the OWNER to ensure the performance of the Contract, the CONTRACTOR may, at his request and expense, substitute securities equivalent to the amount withheld in the form and manner and subject to the conditions provided in Division 2, Part 5, Section 22300 of the Public Contract Code of the State of California.

8. In the event of a dispute between the OWNER and the CONTRACTOR as to an interpretation of any of the specifications or as to the quality or sufficiency of material or workmanship, the decision of the OWNER shall for the time being prevail and the CONTRACTOR, without delaying the job, shall proceed as directed by the OWNER without prejudice to a final determination by negotiation, arbitration by mutual consent or litigation, and should the CONTRACTOR be finally determined to be either wholly or partially correct, the OWNER shall reimburse him for any added costs he may have incurred by reason of work done or material supplied beyond the terms of the contract as a result of complying with the OWNER'S directions as aforesaid. In the event the CONTRACTOR shall neglect to prosecute the work properly or fail to perform any provisions of the CONTRACT, the OWNER, after three days' written notice to the CONTRACTOR, may, without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due to the CONTRACTOR, subject to final settlement between the parties as in this paragraph herein above provided.

9. Attention is directed to Section 1735 of the Labor Code, which reads as follows:

> "No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical conditions, marital status, or sex of such persons except as provided in Section 12940 of the Government Code, and every contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter."

10. In accordance with the provisions of Article 5, Chapter I, Part 7, Division 2 (commencing with Section 1860) and Chapter 4, Part I, Division 4 (commencing with Section 3700) of the Labor Code of the State of California, the CONTRACTOR is required to secure the payment of compensation to his employees and shall for that purpose obtain and keep in effect adequate Workers' Compensation Insurance.

The CONTRACTOR is aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the WORK of this Agreement.

11. The CONTRACTOR shall comply with Part 7, Chapter I, Article 2, Section 1773.8 of the Labor Code of the State of California. The CONTRACTOR shall make travel and subsistence payments to each workman needed to execute the work, as such travel and subsistence payments are defined in the applicable collective bargaining agreements.

12. The CONTRACTOR shall comply with Part 7, Chapter I, Article 2, Section 1775 of the Labor Code of the State of California. The CONTRACTOR shall, as a penalty to the OWNER, forfeit fifty dollars ($50.00) for each calendar day, or portion thereof, for each workman paid less than the prevailing rates as determined by the director for such work or craft in which such workman is employed for any public work done under the Contract by him or by any SUBCONTRACTOR under him. The difference between such prevailing wage rates and the amount paid to each workman for each calendar day or portion thereof for which each workman was paid less than a prevailing wage rate, shall be paid to each workman by the CONTRACTOR.

13. The CONTRACTOR shall comply with Part 7, Chapter I, Article 2, Section 1776 of the Labor Code of the State of California. The CONTRACTOR shall keep and require that all SUBCONTRACTORS keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice worker or other employee employed by him or her in connection with public work. Such payroll records shall be certified and shall be available for inspection at all reasonable hours at the principal office of the CONTRACTOR by the OWNER, its officers and agents and to the representatives of the Division of Labor Law Enforcement of the State Department of Industrial Relations. In the event of non-compliance with the requirements of Section 1776, the CONTRACTOR shall have 10 days in which to comply subsequent to receipt of written notice specifying in what respects the CONTRACTOR must comply. Should non-compliance still be evident after the ten (10) day period, the CONTRACTOR shall, as a penalty forfeit to the

OWNER twenty-five dollars ($25.00) for each calendar day, or portion thereof, for each worker until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards of the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

14. Attention is directed to the provisions of Sections 1777.5 and 1777.6 of the Labor Code concerning the employment of apprentices by the CONTRACTOR or any SUBCONTRACTOR under him. It is the CONTRACTOR'S responsibility to ensure compliance by both himself and all SUBCONTRACTORS.

Section 1777.5 reads, in part, as follows:

"The CONTRACTOR or SUBCONTRACTOR, if he/she is covered by this section, upon the issuance of the approval certificate, or if he/she has been previously approved in the craft or trade, shall employ the number of apprentices or the ratio of apprentices to journeyman stipulated in the apprenticeship standards. Upon proper showing by the CONTRACTOR that he/she employs apprentices in the craft or trade in the State on all of his/her contracts on an annual average of not less than one hour of apprentice work for every five hours of labor performed by a journeyman, or in the land surveyor classification, one apprentice for each five journeymen, the Division of Apprenticeship Standards may grant a certification exempting the CONTRACTOR from the 1 to 5 hourly ratio as set forth in this section. This section shall not apply to contracts of general CONTRACTORS or to contracts of specialty contractors not bidding for work through a general or prime CONTRACTOR, when the contracts of general CONTRACTORS, or those specialty CONTRACTORS involve less than thirty thousand dollars ($30,000) or 20 working days. Any work performed by a journeyman in excess of eight hours per day or 40 hours per week shall not be used to calculate the hourly ratio required by this section.

"'Apprenticeable craft or trade,' as used in this section, shall mean a craft or trade determined as an apprenticeable occupation in accordance with rules and regulations prescribed by the Apprenticeship Council. The joint apprenticeship committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator or Apprenticeship, exempting a CONTRACTOR from the 1 to 5 ratio set forth in this section when it finds that any one of the following conditions is met:

(a) In the event unemployment for the previous three month period in such area exceeds an average of 15 percent, or

(b) In the event the number of apprentices in training in such area exceeds a ratio of 1 to 5, or

(c) If there is a showing that the apprenticeable craft or trade is replacing at least one-thirtieth of its journeymen annually through apprenticeship training, either (1) on a statewide basis, or (2) on a local basis.

(d) If assignment of an apprentice to any work performed under a public works contract would create a condition which should jeopardize his life or the life, safety, or property of fellow employees, or the public at large or if the specific task to which the apprentice is to be assigned is of a nature that training cannot be provided by a journeyman.

"When such exemptions are granted to an organization which represents CONTRACTORS in a specific trade from the 1 to 5 ratio on a local or statewide basis the member CONTRACTORS will not be required to submit individual applications for approval to local joint apprenticeship committees, provided they are already covered by the local apprenticeship standards."

The CONTRACTOR is required to make contributions to funds established for the administration of apprenticeship programs if he employs registered apprentices or journeymen in apprenticeable trade on such contracts and if other CONTRACTORS on the public work site are making such contributions. The CONTRACTOR, and any SUBCONTRACTOR under him, shall comply with the requirements of Sections 1777.5 and 1777.6 of the Labor Code in the employment of apprentices. Information relative to number of apprentices, identifications, wages, hours of employment and standards of working conditions shall be obtained from the Division of Apprenticeship Standards. Consult the white pages of your telephone directory under California, State of, Industrial Relations, Apprenticeship Standards, for the telephone number and address of the nearest office.

Willful failure by the CONTRACTOR to comply with the provisions of 1777.5 will subject the CONTRACTOR to the penalties set forth in Section 1777.7 of the Labor Code.

15. In accordance with the provisions of Article 3, Chapter 1, Part 7, Division 2, Sections 1810 and 1817 inclusive of the Labor Code of the State of California, eight (8) hours labor shall constitute a day's work and no laborer, worker, or mechanic in the employ of said CONTRACTOR or any SUBCONTRACTOR doing or contracting to do any part of the work contemplated by this contract shall be required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week except as provided in Section 1815.

The CONTRACTOR and each SUBCONTRACTOR shall keep an accurate record showing the name of and actual hours worked each calendar day and each calendar week by each workman employed by him in connection with the public work. The record shall be kept open at all reasonable hours to the inspection of the OWNER or its officers or agents and to the Division of Labor Law Enforcement of the Department of Industrial Relations.

The CONTRACTOR shall, as a penalty to the State of political subdivision on whose behalf the contract is made or awarded, forfeit twenty-five dollars ($25) for each workman employed in the execution of the contract by the CONTRACTOR or by any SUBCONTRACTOR for each calendar day during which such workman is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of Article 3, Chapter 1, Part 7, Division 2 of the Labor Code.

16. The CONTRACTOR shall comply with Division 2, Chapter 4, Part 1 of the Public Contract Code relating to subletting and subcontracting, specifically included but not limited to Sections 4104, 4106, and 4110, which by this reference are incorporated into this Agreement as though fully set forth herein.

17. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

18. The work to be done under this agreement is being financed in whole or in part by means of a grant made by the United States acting through the Federal Aviation Administration of the Department of Transportation. The Contractor must adhere to the Required Contract Provisions for Airport Improvement Program and for Obligated Sponsors, included in Part B of Division III of the specifications. The Contractor shall insert these contract provisions in each contract and subcontract, and further require that the clauses be included in all subcontracts. The Contractor shall further incorporate applicable requirements of these contract provisions by reference for work done under any purchase orders, rental agreements, and other agreements for supplies or services. The Contractor is responsible for compliance with these contract provisions by any subcontractor, lower-tier subcontractor or service provider. These provisions shall not be modified.

All mechanics and laborers on the project shall be paid no less than the minimum wage rate established by the U.S. Secretary of Labor. A copy of the Department of Labor Wage Rate Determination applicable to this contract is included in Part C of Division III of the specifications.

IN WITNESS WHEREOF the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in four copies, each of which shall be deemed an original on the date first above written.

City of Madera, a Municipal Corporation
Herein Called OWNER

By_____
Robert L. Poythress, Mayor

ATTEST:

_____
Sonia Alvarez, City Clerk

BY:_____
CONTRACTOR

BY:_____

Acknowledgment

State of California)

County of _____)

On _____, 2016 before me,_____
(insert name and title of officer)

personally appeared _____

_____,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

EXHIBIT A

CONTRACTOR'S BID AND BID PRICE SCHEDULE

MADERA MUNICIPAL AIRPORT, MADERA, CALIFORNIA
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-027
PROJECT NO. 216-1

Item No.	Item Description	Unit of Measure	Approximate Quantity	Unit Price (In Figures)	Amount (In Figures)
General					
1	Mobilization (GP-105)	L.S.	L.S.	$	$
2	SWPPP Prepared and Implemented by Qualified SWPPP Developer (QSD) (ST-02)	L.S.	L.S.	$	$
3	Marking and Lighting of Closed Airport Facilities (ST-03)	L.S.	L.S.	$	$
4	Demolition (ST-04)	L.S.	L.S.	$	$
Earthwork					
5	Pavement Removal (P-101)	Sq. Yd.	17,500.0	$	$
6	Clearing & Grubbing (P-151)	Acre	1.0	$	$
7	Unclassified Excavation (P-152)	Cu. Yd.	12,200.0	$	$
8	Muck Excavation (P-152)	Cu. Yd.	500.0	$	$
9	Geogrid, Furnished and Placed (ST-05)	Sq. Yd.	1,000.0	$	$
10	Subbase Course (P-154)	Cu. Yd.	3,700.0	$	$
Flexible Base Course					
11	Crushed Aggregate Base Course (P-209)	Cu. Yd.	3,100.0	$	$
Flexible Surface Course					
12	Bituminous Surface Course (P-401)	Ton	3,300.0	$	$
Miscellaneous					
13	Bituminous Prime Coat (P-602)	Ton	15.0	$	$
14	Bituminous Tack Coat (P-603)	Ton	7.0	$	$
15	Remove Existing Airfield Marking (ST-06)	Sq. Ft.	110.0	$	$
16	Runway and Taxiway Marking (P-620)	Sq. Ft.	950.0	$	$
17	Reflective Media (P-620)	Pound	90.0	$	$
Fencing					
18	4-foot Chain-Link Fence, Class E (F-162)	Ln. Ft.	450.0	$	$
19	4-foot High, 4-foot Wide Pedestrian Gate (F-162)	Each	2.0	$	$

Item No.	Item Description	Unit of Measure	Approximate Quantity	Unit Price (In Figures)	Amount (In Figures)
Drainage					
20	18-inch RCP, Class IV (D-701)	Ln. Ft.	280.0	$	$
21	24-inch RCP, Class IV (D-701)	Ln. Ft.	690.0	$	$
22	End Cap Existing 12" RCP (ST-07)	Each	1.0	$	$
23	End Cap Existing 24" RCP (ST-07)	Each	1.0	$	$
24	Drop Inlet (D-751)	Each	2.0	$	$
25	Curb Inlet (D-751)	Each	1.0	$	$
26	AC Curb (ST-08)	Ln. Ft.	170.0	$	$
Lighting Installation					
27	No. 6 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108)	Ln. Ft.	300.0	$	$
28	No. 8 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108)	Ln. Ft.	1,200.0	$	$
29	No. 10 AWG, 5 kV, L-824, Type C Cable Installed in Duct Bank or Conduit (L-108)	Ln. Ft.	700.0	$	$
30	No. 6 AWG Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108)	Ln. Ft.	200.0	$	$
31	No. 8 AWG Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108)	Ln. Ft.	400.0	$	$
32	No. 10 AWG Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit (L-108)	Ln. Ft.	350.0	$	$
33	Concrete Encased Electrical Conduit, Type I, 1-way, 2-inch (L-110)	Ln. Ft.	800.0	$	$
34	Electrical Junction Structure, L867, Class 1, Size D (L-115)	Each	1.0	$	$
35	Furnish and Install 35-foot Floodlight Poles, Double Head Luminaires, Complete and in Place (ST-10)	Each	2.0	$	$
36	Furnish and Install Double Head Luminaires, Complete and in Place (ST-10)	Each	4.0	$	$
Tie Downs					
37	Tie Down Anchors (ST-10)	Each	57.0	$	$
	Total Bid			**$**	

SECTION E

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a_____, hereinafter called Principal,
(Corporation, Partnership or Individual)

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

_____
(Name of Owner)

_____
(Address of Owner)

hereinafter called OWNER, in the penal sum of _____ Dollars ($_____) in lawful money of the United States for the payment of which sum well and truly made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents, and also by the provisions of Part 2, Title 14, Chapter 2 of the California Code of Civil Procedure (Section 995.010, et seq.) and of Section 3247, et seq. of the California Civil Code.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the Owner, dated the _____ day of _____, 2016 a copy of which is hereto attached and made a part hereof for the construction of:

MADERA MUNICIPAL AIRPORT, PROJECT 216-1
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

NOW, THEREFORE, if the Principal and all subcontractors shall promptly make payment to all mechanics, material men, contractors, subcontractors, lessors of equipment, artisans, architects, registered engineers, licensed land surveyors, machinists, builders, teamsters and laymen and all persons and laborers of every type furnishing materials or leasing equipment to be used or consumed

in or furnishing appliances, teams or power contributing to the work described in the above mentioned contract, and to any other persons named in Section 3181 of the California Civil Code, and of amounts due under the Employment Development Department from the wages of employees of the contractor and subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

PROVIDED FURTHER, that this obligation shall inure to the benefit of all persons named in Section 3181 of the California Civil Code, and all such claimants and their assigns shall have a right of action in any suit brought upon this bond.

PROVIDED FURTHER, that no suit, action or other proceeding to recover on this bond shall be maintained unless commenced within six (6) months from the completion of the work described in the above mentioned contract, as "completion" is defined in Section 3086 of the California Civil Code.

PROVIDED FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract of accompanying the same shall in any way affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts,
(number)
each one of which shall be deemed an original this the _____ day of _____, 2016.

ATTEST: _____
Principal

_____ BY:_____(s)
(Principal) Secretary

(Seal)

_____ _____
(Witness as to Principal) (Address)

_____

ATTEST:

_____	_____
(Surety) Secretary	(Surety)
(Seal)	
_____	BY:_____
(Witness as to Surety)	Attorney in Fact
_____	_____
(Address)	(Address)
_____	_____

NOTE: Date of Bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute Bond.

SECTION F

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a_____, hereinafter called Principal,
(Corporation, Partnership or Individual)

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

_____
(Name of Owner)

_____
(Address of Owner)

hereinafter called OWNER, in the penal sum of _____ Dollars ($_____) in lawful money of the United States for the payment of which sum well and truly made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the Owner, dated the _____ day of _____, 2016, a copy of which is hereto attached and made a part hereof for the construction of:

MADERA MUNICIPAL AIRPORT, PROJECT 216-1
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

NOW, THEREFORE, if the Principal and all subcontractors shall willingly, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said Contract during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the surety and during the one year guaranty period, and if he shall satisfy all

claims and demands incurred under such Contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any default, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

PROVIDED FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts,
(number)
each one of which shall be deemed an original this the _____ day of _____, 2016.

ATTEST: _____
Principal

_____ BY:_____(s)
(Principal) Secretary

(Seal)

_____ _____
(Witness as to Principal) (Address)

_____

ATTEST:

_____	_____
(Surety) Secretary	(Surety)
(Seal)	
_____	BY:_____
(Witness as to Surety)	Attorney in Fact
_____	_____
(Address)	(Address)
_____	_____

NOTE: Date of Bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute Bond.

INSURANCE REQUIREMENTS FOR CONTRACTORS

Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG001).

2. Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, Code 1 (any auto).

3. Workers Compensation insurance as required by the State of California and Employer's Liability Insurance.

Minimum Limits of Insurance

Contractor shall maintain limits no less than:

1. General Liability: $1,000,000 per occurrence for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form which a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

2. Automobile Liability: $1,000,000 per accident for bodily injury and property damage.

3. Employers' Liability: $1,000,000 per accident for bodily injury or disease.

Deductibles and Self-Insured Retention

Any deductibles or self-insured retentions must be declared to and approved by the Entity. At the option of the Entity, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the ***Entity: City of Madera, and any officers, officials, employees and volunteers, of the above;*** or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. ***The Entity: City of Madera, and any officers, officials, employees, agents and volunteers, of the above;*** are to be covered as insureds as respects:

   Liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the ***Entity: City of Madera, and any officers, officials, employees, agents or volunteers, of the above.***

2. For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the ***Entity: City of Madera, and any officers, officials, employees, agents and volunteers, of the above.*** Any insurance or self-insurance maintained by the ***Entity: City of Madera, and any officers, officials, employees, agents and volunteers, of the above*** shall be in excess of the Contractor's insurance and shall not contribute with it.

3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the ***Entity: City of Madera, and any officers, officials, employees, agents or volunteers, of the above***

4. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the ***Entity: City of Madera, and any officers, officials, employees, agents and volunteers, of the above.***

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII.

Verification of Coverage

Contractor shall furnish the Entity with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. The endorsements are to be on forms provided by the ENTITY, to be received and approved by the ENTITY before work commences. As an alternative to the ENTITY'S forms, the Contractor's insurer may provide complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications.

Subcontractors

Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

GENERAL LIABILITY SPECIAL ENDORSEMENT

SUBMIT IN TRIPLICATE

ENDORSEMENT NO. ISSUE DATE (MM/DD/YY)

For City of Madera, 205 West Fourth Street, Madera, CA 93637 (the "Entity") and officers, employees and agents

DESCRIPTION OF OPERATIONS:

Madera Municipal Airport, Reconstruct General Aviation Apron Phase 2, AIP No. 3-06-0144-__, Project 216-1, including grading, drainage, paving, and marking.

PRODUCER

Telephone

POLICY INFORMATION:
Insurance Company:
Policy No.:
Policy Period: (from) (to)

LOSS ADJUSTMENT EXPENSE __included in limits
__In Addition to limits

NAMED INSURED

__ Deductible __Self-Insurance Retention (check which) of $_____

With an Aggregate of $_____applies to _____ (which) coverage. __Per Occurrence __Per Claim

APPLICABILITY. This insurance pertains to the operations, products and/or tenancy of the named insured under all written agreements and permits in force with the Entity unless checked here __ in which case only the following specific agreements and permits with the Entity are covered: ENTITY AGREEMENT/PERMITS.

TYPE OF INSURANCE

General Liability
__Commercial General Liability __Claims Made __Retroactive Date_____
__Comprehensive General Liability __Occurrence
__Owners & Contractors Protective

OTHER PROVISIONS

COVERAGES

	LIABILITY LIMITS IN THOUSANDS $ EACH OCCURRENCE	AGGREGATE
__ GENERAL		
__ PRODUCTS/COMPLETED OPERATIONS		
__ PERSONAL & ADVERTISING INJURY		
__ FIRE DAMAGE		
__ _____		
__ _____		

CLAIMS: Underwriter's representative for claims pursuant to this insurance.

Name:_____
Address:_____
_____

Telephone:
(_____)_____

In consideration of the premium charged and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached there agreed as follows:

1. INSURED. The ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE are included as insureds with regard to liability and defense of suits arising from the operations, products and activities performed by or on behalf of the named insured.
2. CONTRIBUTION NOT REQUIRED. As respects: (a) work performed by the Named Insured for or on behalf of the Entity; or (b) products sold by the Named Insured to the Entity; or (c) pr leased by the Named Insured from the Entity, the insurance afforded by this policy shall be primary insurance as respects the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOIN OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE; or stand in an unbroken chain of coverage excess of the Named Insured's scheduled underlying prim coverage. In either event, any other insurance maintained by the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AN EMPLOYEES shall be in excess of this insurance and shall not contribute with it.
3. SEVERABILITY OF INTEREST. This insurance applies separately to each insured against whom claim is made or suit is brought except with respect to the company's limits of liability. The inclusion of any person or organization as an insured shall not affect any right which such person or organization would have as a claimant if not so included.
4. CANCELLATION NOTICE. With respect to the interests of the ENTITY, this insurance shall not be canceled, or materially reduced in coverage or limits except after thirty (30) days prior w notice by receipted delivery has been given to the ENTITY.
5. PROVISIONS REGARDING THE INSURED'S DUTIES. Any failure to comply with reporting provisions of the policy or breaches or violations of warranties shall not affect coverage provid to the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE.
6. SCOPE OF COVERAGE. This policy, if primary, affords coverage at least as broad as:
   (1) Insurance Services Office Commercial General Liability Coverage, "OCCURRENCE" form CG 0001; or
   (2) If excess, affords coverage which is at least as broad as the primary insurance form CG 0001.

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits, conditions, agreements or exclusions of the policy to which this endorsement is attached.

ENDORSEMENT HOLDER

ENTITY;

AUTHORIZED REPRESENTATIVE __Broker/Agent __Underwriter __ _____

I_____(print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereon do so bind this company to this endorsement.

Signature

_____
(ORIGINAL SIGNATURE REQUIRED)

Telephone: ( ) Date Signed_____

AUTOMOBILE LIABILITY SPECIAL ENDORSEMENT

SUBMIT IN TRIPLICATE

ENDORSEMENT NO. ISSUE DATE (MM/DD/YY)

For City of Madera, 205 West Fourth Street, Madera, CA 93637 (the "Entity") and officers, employees and agents

DESCRIPTION OF OPERATIONS:

Madera Municipal Airport, Reconstruct General Aviation Apron Phase 2, AIP No. 3-06-0144-__, Project 216-1, including grading, drainage, paving, and marking.

PRODUCER Telephone	POLICY INFORMATION: Insurance Company: Policy No.: Policy Period: (from) (to) LOSS ADJUSTMENT EXPENSE __included in limits __In Addition to limits
NAMED INSURED	__ Deductible __Self-Insurance Retention (check which) of $_____ With an Aggregate of $_____applies to _____ (which) coverage. __Per Occurrence __Per Claim APPLICABILITY. This insurance pertains to the operations, products and/or tenancy of the named insured under all written agreements and permits in force with the Entity unless checked here __ in which case only the following specific agreements and permits with the Entity are covered: ENTITY AGREEMENT/PERMITS.
TYPE OF INSURANCE __Commercial Auto Liability __Business Auto Liability __Other	OTHER PROVISIONS
LIMIT OF LIABILITY $_____per accident, for bodily injury and property damage	CLAIMS: Underwriter's representative for claims pursuant to this insurance. Name:_____ Address:_____ _____ Telephone: (_____)_____

In consideration of the premium charged and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached there agreed as follows:

1. INSURED. The ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE are included as insureds with regard to liability and defense of suits arising from the operations, products and activities performed by or on behalf of the named insured.
2. CONTRIBUTION NOT REQUIRED. As respects: (a) work performed by the Named Insured for or on behalf of the Entity; or (b) products sold by the Named Insured to the Entity; or (c) pr leased by the Named Insured from the Entity, the insurance afforded by this policy shall be primary insurance as respects the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOIN OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE; or stand in an unbroken chain of coverage excess of the Named Insured's scheduled underlying prima coverage. In either event, any other insurance maintained by the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES shall be in excess of this insurance and shall not contribute with it.
3. SEVERABILITY OF INTEREST. This insurance applies separately to each insured against whom claim is made or suit is brought except with respect to the company's limits of liability. The inclusion of any person or organization as an insured shall not affect any right which such person or organization would have as a claimant if not so included.
4. CANCELLATION NOTICE. With respect to the interests of the ENTITY, this insurance shall not be canceled, or materially reduced in coverage or limits except after thirty (30) days prior wr notice by receipted delivery has been given to the ENTITY.
5. PROVISIONS REGARDING THE INSURED'S DUTIES. Any failure to comply with reporting provisions of the policy or breaches or violations of warranties shall not affect coverage provid to the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE.
6. SCOPE OF COVERAGE. This policy, if primary, affords coverage at least as broad as:
   (1) Insurance Services Office form number CA0001(Ed. 1/87), Code 1("any auto"); or
   (2) If excess, affords coverage which is at least as broad as the primary insurance forms referenced in the preceding section (1).

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits, conditions, agreements or exclusions of the policy to which this endorsement is attached.

ENDORSEMENT HOLDER ENTITY;	AUTHORIZED REPRESENTATIVE __Broker/Agent __Underwriter __ _____ I_____(print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereon do so bind this company to this endorsement. Signature _____ (ORIGINAL SIGNATURE REQUIRED) Telephone: ( ) Date Signed_____

WORKER'S COMPENSATION AND
EMPLOYER'S LIABILITY SPECIAL ENDORSEMENT

SUBMIT IN TRIPLICATE

ENDORSEMENT NO. ISSUE DATE (MM/DD/YY)

ENDORSEMENT NO. ISSUE DATE (MM/DD/YY)

For City of Madera, 205 West Fourth Street, Madera, CA 93637 (the "Entity") and officers, employees and agents

DESCRIPTION OF OPERATIONS:

Madera Municipal Airport, Reconstruct General Aviation Apron Phase 2, AIP No. 3-06-0144-__, Project 216-1, including grading, drainage, paving, and marking.

PRODUCER Telephone	POLICY INFORMATION: Insurance Company: Policy No.: Policy Period: (from) (to)
NAMED INSURED	OTHER PROVISIONS
CLAIMS: Underwriter's representative for claims pursuant to this insurance. Name:_____ Address:_____ _____ Telephone: (_____)_____	EMPLOYERS LIABILITY LIMITS $_____ (Each Accident) $_____ (Disease - Policy Limit) $_____ (Disease - Each Employee)

In consideration of the premium charged and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows:

1. CANCELLATION NOTICE. This insurance shall not be canceled, or materially reduced in coverage or limits except after thirty (30) days prior written notice by receipted delivery has been given to the ENTITY.
2. WAIVER OF SUBROGATION. The Insurance Company agrees to waive all rights of subrogation against the ENTITY, REINARD W. BRANDLEY, ITS ELECTED OR APPOINTED OFFICERS, OFFICIALS, AGENTS, VOLUNTEERS AND EMPLOYEES OF THE ABOVE for losses paid under the terms of this policy which arise from the work performed by the named Insured for the ENTITY.

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits, conditions, agreements or exclusions of the policy to which this endorsement is attached.

ENDORSEMENT HOLDER ENTITY;	AUTHORIZED REPRESENTATIVE __Broker/Agent __Underwriter __ _____ I_____(print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereon do so bind this company to this endorsement. Signature _____ (ORIGINAL SIGNATURE REQUIRED) Telephone: ( ) Date Signed_____

CERTIFICATE OF INSURANCE
TO

Completed Certificate to:

CITY OF MADERA
(Entity)

Only this Certificate of Insurance Form

CITY OF MADERA (Entity)
205 W. 4TH STREET
MADERA, CA 93637
Attn: CITY ENGINEER

This certifies to the Entity that the following described policies have been issued to the Insured named below and are in force at this time.

Insured _____
Address _____

Description of operations/locations/products insured (show contract name and/or number, if any): Madera Municipal Airport, Reconstruct General Aviation Apron Phase 2, AIP No. 3-06-0144-__, Project 216-1

POLICIES AND INSURERS	LIMITS	POLICY NUMBER	EXPIRATION DATE
Workers' Compensation _____ (Name of Insurer) Best's Rating_____	Employers Liability $_____		
Check policy type: Comprehensive General Liability_____ or Commercial General Liability_____ _____ (Name of Insurer) Best's Rating_____ Claims-Made_____or Occurrence_____	Comprehensive General Liability Each Occurrence $_____ Aggregate $_____ Non-owned Auto $_____ --- Commercial General Liability Each Occurrence $_____ General Aggregate either per project/location $_____ or twice occurrence limit $_____ Non-owned Auto $_____		
Business Auto Policy Liability Coverage Symbol_____ _____ (Name of Insurer) Best's Rating_____ Claims-Made_____or Occurrence_____	Each Person Each Accident $_____ $_____ Each Accident $_____ or Combined Single Limit $_____		
Umbrella Liability _____ (Name of Insurer) Best's Rating_____ Claims-Made_____or Occurrence_____	Occurrence/ Aggregate $_____ Self-Insured Retention $_____		

Revised 12/27/90 Note: If commercial general liability insurance is used or if aggregate limits are endorsed to the comprehensive general liability policy form, the general aggregate must apply per location/project or the aggregate limit must be at least twice the occurrence limit.

The following coverage or conditions are in effect:	YES	NO
THE ENTITY: CITY OF MADERA, ITS OFFICIALS, OFFICERS, EMPLOYEES AND VOLUNTEERS OF THE ABOVE, are named on all liability policies described above as insured as respects: (a) activities performed for the ENTITY by or on behalf of the named insured, (b) products and completed operations of the Named Insured; and (c) premises, owned, leased or used by the Named Insured.		
Products and Completed Operations		
The undersigned will mail to the ENTITY 30 days' written notice of cancellation or reduction of coverage or limits.		
Cross Liability Clause (or equivalent wording)		
Personal Injury, Perils A, B and C		
Broad Form Property Damage		
X, C, U Hazards included		
Contractual Liability Coverage applying to this Contract		
Liquor Liability		
Coverage afforded the ENTITY: CITY OF MADERA, ITS OFFICIALS, OFFICERS, EMPLOYEES AND VOLUNTEERS OF THE ABOVE, as Insureds applies as primary and not excess or contributing to any insurance issued in the name of the Entity.		
Waiver of subrogation from Workers' Compensation insurer.		

This certificate is issued as a matter of information. This certificate is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

Agency or Brokerage

Address

Name of Person to be Contacted

Telephone Number

Insurance Company

Home Office

Authorized Signature Date

NOTE: Authorized signatures may be the agent's if agent has placed insurance through an agency agreement with the insurer. If insurance is brokered, authorized signature must be that of official of insurer.

Revised 12/27/90

HOLD HARMLESS AND INDEMNIFICATION AGREEMENT

Contractor shall indemnify and hold harmless ENTITY: CITY OF MADERA, ITS OFFICIALS, OFFICERS, EMPLOYEES AND VOLUNTEERS OF THE ABOVE from and against all claims, damages, losses and expenses including attorney fees arising out of the performance of the work described herein, caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, except where caused by the active negligence, sole negligence, or willful misconduct of the Entity.

DIVISION III

FEDERAL PROVISIONS

PART A

DIVISION III

FAA GENERAL PROVISIONS
ADVISORY CIRCULAR 150/5370-10G

PART A – FAA GENERAL PROVISIONS

SECTION 10. DEFINITION OF TERMS

Whenever the following terms are used in these specifications, in the contract, in any documents or other instruments pertaining to construction where these specifications govern, the intent and meaning shall be interpreted as follows:

10-01 AASHTO. The American Association of State Highway and Transportation Officials, the successor association to AASHO.

10-02 ACCESS ROAD. The right-of-way, the roadway and all improvements constructed thereon connecting the airport to a public highway.

10-03 ADVERTISEMENT. A public announcement, as required by local law, inviting bids for work to be performed and materials to be furnished.

10-04 AIRPORT IMPROVEMENT PROGRAM (AIP). A grant-in-aid program, administered by the Federal Aviation Administration (FAA).

10-05 AIR OPERATIONS AREA (AOA). For the purpose of these specifications, the term air operations area (AOA) shall mean any area of the airport used or intended to be used for the landing, takeoff, or surface maneuvering of aircraft. An air operation area shall include such paved or unpaved areas that are used or intended to be used for the unobstructed movement of aircraft in addition to its associated runway, taxiway, or apron.

10-06 AIRPORT. Airport means an area of land or water which is used or intended to be used for the landing and takeoff of aircraft; an appurtenant area used or intended to be used for airport buildings or other airport facilities or rights of way; and airport buildings and facilities located in any of these areas, and includes a heliport.

10-07 ASTM INTERNATIONAL (ASTM). Formerly known as the American Society for Testing and Materials (ASTM).

10-08 AWARD. The Owner's notice to the successful bidder of the acceptance of the submitted bid.

10-09 BIDDER. Any individual, partnership, firm, or corporation, acting directly or through a duly authorized representative, who submits a proposal for the work contemplated.

10-10 BUILDING AREA. An area on the airport to be used, considered, or intended to be used for airport buildings or other airport facilities or rights-of-way together with all airport buildings and facilities located thereon.

10-11 CALENDAR DAY. Every day shown on the calendar.

10-12 CHANGE ORDER. A written order to the Contractor covering changes in the plans, specifications, or proposal quantities and establishing the basis of payment and contract time adjustment, if any, for the work affected by such changes. The work, covered by a change order, shall be within the scope of the contract.

10-13 CONTRACT. The written agreement covering the work to be performed. The awarded contract shall include, but is not limited to: Advertisemet; Contract Form; Proposal; Performance Bond; Payment Bond; any required insurance certificates; Specifications; Plans; and any addenda issued to bidders.

10-14 CONTRACT ITEM (PAY ITEM). A specific unit of work for which a price is provided in the contract.

10-15 CONTRACT TIME. The number of working days, stated in the proposal, allowed for completion of the contract, including authorized time extensions. If a calendar date of completion is stated in the proposal, in lieu of a number of calendar or working days, the contract shall be completed by that date.

10-16 CONTRACTOR. The individual, partnership, firm, or corporation primarily liable for the acceptable performance of the work contracted and for the payment of all legal debts pertaining to the work who acts directly or through lawful agents or employees to complete the contract work.

10-17 CONTRACTOR'S LABORATORY. The contractor's quality control organization in accordance with the Contractor Quality Control Program.

10-18 CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). The overall plan for safety and phasing of a construction project developed by the airport operator, or developed by the airport operator's consultant and approved by the airport operator. It is included in the invitation for bids and becomes part of the project specifications.

10-19 DRAINAGE SYSTEM. The system of pipes, ditches, and structures by which surface or subsurface waters are collected and conducted from the airport area.

10-20 ENGINEER/PROJECT ENGINEER. The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for engineering inspection of the contract work and acting directly or through an authorized representative.

10-21 EQUIPMENT. All machinery, together with the necessary supplies for upkeep and maintenance, and also all tools and apparatus necessary for the proper construction and acceptable completion of the work.

10-22 EXTRA WORK. An item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, but which is found by the Engineer to be necessary to complete the work within intended scope of the contract as previously modified.

10-23 FAA. The Federal Aviation Administration of the U. S. Department of Transportation. When used to designate a person, FAA shall mean the Administrator or his or her duly authorized representative.

10-24 FEDERAL SPECIFICATIONS. The Federal Specifications and Standards, Commercial Item Descriptions, and supplements, amendments, and indices thereto are prepared and issued by the General Services Administration of the Federal Government.

10-25 FORCE ACCOUNT. Force account work is planning, engineering, or construction work done by the Sponsor's employees.

10-26 INSPECTOR. An authorized representative of the Engineer assigned to make all necessary inspections and/or tests of the work performed or being performed, or of the materials furnished or being furnished by the Contractor.

10-27 INTENTION OF TERMS. Whenever, in these specifications or on the plans, the words "directed," "required," "permitted," "ordered," "designated," "prescribed," or words of the like import are used, it shall be understood that the direction, requirement, permission, order, designation, or prescription of the Engineer is intended; and similarly, the words "approved," "acceptable," "satisfactory," or words of like import, shall mean approved by, or acceptable to, or satisfactory to the Engineer, subject in each case to the final determination of the Owner.

Any reference to a specific requirement of a numbered paragraph of the contract specifications or a cited standard shall be interpreted to include all general requirements of the entire section, specification item, or cited standard that may be pertinent to such specific reference.

10-28 LABORATORY. The official testing laboratories of the Owner or such other laboratories as may be designated by the Engineer. Also referred to as "Engineer's Laboratory" or "quality assurance laboratory."

10-29 LIGHTING. A system of fixtures providing or controlling the light sources used on or near the airport or within the airport buildings. The field lighting includes all luminous signals, markers, floodlights, and illuminating devices used on or near the airport or to aid in the operation of aircraft landing at, taking off from, or taxiing on the airport surface.

10-30 MAJOR AND MINOR CONTRACT ITEMS. A major contract item shall be any item that is listed in the proposal, the total cost of which is equal to or greater than 20 percent of the total amount of the awarded contract. All other items shall be considered minor contract items.

10-31 MATERIALS. Any substance specified for use in the construction of the contract work.

10-32 NOTICE TO PROCEED (NTP). A written notice to the Contractor to begin the actual contract work on a previously agreed to date. If applicable, the Notice to Proceed shall state the date on which the contract time begins.

10-33 OWNER. The term "Owner" shall mean the party of the first part or the contracting agency signatory to the contract. Where the term "Owner" is capitalized in this document, it shall mean airport Sponsor only.

10-34 PASSENGER FACILITY CHARGE (PFC). Per 14 CFR Part 158 and 49 USC § 40117, a PFC is a "charge imposed by a public agency on passengers enplaned at a commercial service airport it controls."

10-35 PAVEMENT. The combined surface course, base course, and subbase course, if any, considered as a single unit.

10-36 PAYMENT BOND (LABOR AND MATERIAL BOND). The approved form of security furnished by the Contractor and his or her surety as a guaranty that Contractor will pay in full all bills and accounts for materials and labor used in the construction of the work.

10-37 PERFORMANCE BOND. The approved form of security furnished by the Contractor and his or her surety as a guaranty that the Contractor will complete the work in accordance with the terms of the contract.

10-38 PLANS. The official drawings or exact reproductions which show the location, character, dimensions and details of the airport and the work to be done and which are to be considered as a part of the contract, supplementary to the specifications.

10-39 PROJECT. The agreed scope of work for accomplishing specific airport development with respect to a particular airport.

10-40 PROPOSAL. The written offer of the bidder (when submitted on the approved proposal form) to perform the contemplated work and furnish the necessary materials in accordance with the provisions of the plans and specifications.

10-41 PROPOSAL GUARANTY. The security furnished with a proposal to guarantee that the bidder will enter into a contract if his or her proposal is accepted by the Owner.

10-42 RUNWAY. The area on the airport prepared for the landing and takeoff of aircraft.

10-43 SPECIFICATIONS. A part of the contract containing the written directions and requirements for completing the contract work. Standards for specifying materials or testing which are cited in the contract specifications by reference shall have the same force and effect as if included in the contract physically.

10-44 SPONSOR. A Sponsor is defined in 49 USC § 47102(24) as a *public agency* that submits to the FAA for an AIP grant; or *a private owner of a public-use airport* that submits to the FAA an application for an AIP grant for the airport.

10-45 STRUCTURES. Airport facilities such as bridges; culverts; catch basins; inlets; retaining walls; cribbing; storm and sanitary sewer lines; water lines; underdrains; electrical ducts, manholes, handholes, lighting fixtures and bases; transformers; flexible and rigid pavements; navigational aids; buildings; vaults; and, other manmade features of the airport that may be encountered in the work and not otherwise classified herein.

10-46 SUBGRADE. The soil that forms the pavement foundation.

10-47 SUPERINTENDENT. The Contractor's executive representative who is present on the work during progress, authorized to receive and fulfill instructions from the Engineer, and who shall supervise and direct the construction.

10-48 SUPPLEMENTAL AGREEMENT. A written agreement between the Contractor and the Owner covering: 1) work that would increase or decrease the total amount of the awarded contract, or any major contract item, by more than 25 percent, such increased or decreased work being within the scope of the originally awarded contract, or 2) work that is not within the scope of the originally awarded contract.

10-49 SURETY. The corporation, partnership, or individual, other than the Contractor, executing payment or performance bonds which are furnished to the Owner by the Contractor.

10-50 TAXIWAY. For the purpose of this document, the term taxiway means the portion of the air operations area of an airport that has been designated by competent airport authority for movement of aircraft to and from the airport's runways, aircraft parking areas, and terminal areas.

10-51 WORK. The furnishing of all labor, materials, tools, equipment, and incidentals necessary or convenient to the Contractor's performance of all duties and obligations imposed by the contract, plans, and specifications.

10-52 WORKING DAY. A working day shall be any day other than a legal holiday, Saturday, or Sunday on which the normal working forces of the Contractor may proceed with regular work for at least 6 hours toward completion of the contract. When work is suspended for causes beyond the Contractor's control, it will not be counted as a working day. Saturdays, Sundays and holidays on which the Contractor's forces engage in regular work will be considered as a working day.

SECTION 20. PROPOSAL REQUIREMENTS AND CONDITIONS

20-01 ADVERTISEMENT (Invitation For Bids). The Owner has published the advertisement at such places and at such times as are required by local law or ordinances.

20-02 QUALIFICATION OF BIDDERS. Each bidder shall furnish the Owner satisfactory evidence of his or her competency to perform the proposed work. Such evidence of competency, unless otherwise specified, shall consist of statements covering the bidder's past experience on similar work, a list of equipment that would be available for the work, and a list of key personnel that would be available. In addition, each bidder shall furnish the Owner satisfactory evidence of his or her financial responsibility. Such evidence of financial responsibility, unless otherwise specified, shall consist of a confidential statement or report of the bidder's financial resources and liabilities as of the last calendar year or the bidder's last fiscal year. Such statements or reports shall be certified by a public accountant. At the time of submitting such financial statements or reports, the bidder shall further certify whether his or her financial responsibility is approximately the same as stated or reported by the public accountant. If the bidder's financial responsibility has changed, the bidder shall qualify the public accountant's statement or report to reflect the bidder's true financial condition at the time such qualified statement or report is submitted to the Owner.

Unless otherwise specified, a bidder may submit evidence that he or she is prequalified with the State Highway Division and is on the current "bidder's list" of the state in which the proposed work is located. Such evidence of State Highway Division prequalification may be submitted as evidence of financial responsibility in lieu of the certified statements or reports specified above.

Each bidder shall submit "evidence of competency" and "evidence of financial responsibility" to the Owner at the time of bid opening.

20-03 CONTENTS OF PROPOSAL FORMS. The Owner shall furnish bidders with proposal forms. All papers bound with or attached to the proposal forms are necessary parts and must not be detached.

The plans, specifications, and other documents designated in the proposal form shall be considered a part of the proposal whether attached or not.

20-04 ISSUANCE OF PROPOSAL FORMS. The Owner reserves the right to refuse to issue a proposal form to a prospective bidder should such bidder be in default for any of the following reasons:

(a) Failure to comply with any prequalification regulations of the Owner, if such regulations are cited, or otherwise included, in the proposal as a requirement for bidding.

(b) Failure to pay, or satisfactorily settle, all bills due for labor and materials on former contracts in force with the Owner at the time the Owner issues the proposal to a prospective bidder.

(c) Documented record of Contractor default under previous contracts with the Owner.

(d) Documented record of unsatisfactory work on previous contracts with the Owner.

20-05 INTERPRETATION OF ESTIMATED PROPOSAL QUANTITIES. An estimate of quantities of work to be done and materials to be furnished under these specifications is given in the proposal. It is the result of careful calculations and is believed to be correct. It is given only as a basis for comparison of proposals and the award of the contract. The Owner does not expressly or by implication agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates of quantities, or of the character, location, or other conditions pertaining to the work. Payment to the Contractor will be made only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications. It is understood that the quantities may be increased or decreased as hereinafter provided in Subsection 40-02 titled ALTERATION OF WORK AND QUANTITIES of Section 40 without in any way invalidating the unit bid prices.

20-06 EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE. The bidder is expected to carefully examine the site of the proposed work, the proposal, plans, specifications, and contract forms. Bidders shall satisfy themselves as to the character, quality, and quantities of work to be performed, materials to be furnished, and as to the requirements of the proposed contract. The submission of a proposal shall be prima facie evidence that the bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the proposed contract, plans, and specifications.

Boring logs and other records of subsurface investigations and tests are available for inspection of bidders. It is understood and agreed that such subsurface information, whether included in the plans, specifications, or otherwise made available to the bidder, was obtained and is intended for the Owner's design and estimating purposes only. Such information has been made available for the convenience of all bidders. It is further understood and agreed that each bidder is solely responsible for all assumptions, deductions, or conclusions which the bidder may make or obtain from his or her examination of the boring logs and other records of subsurface investigations and tests that are furnished by the Owner.

20-07 PREPARATION OF PROPOSAL. The bidder shall submit his/her proposal on the forms furnished by the Owner. All blank spaces in the proposal forms must be correctly filled in where indicated for each and every item for which a quantity is given. The bidder shall state the price (written in ink or typed) both in words and numerals for which they propose to do for each pay item furnished in the proposal. In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.

The bidder shall sign the proposal correctly and in ink. If the proposal is made by an individual, his or her name and post office address must be shown. If made by a partnership, the name and post office address of each member of the partnership must be shown. If made by a corporation, the person signing the proposal shall give the name of the state under the laws of which the corporation was chartered and the name, titles, and business address of the president, secretary, and the treasurer. Anyone signing a proposal as an agent shall file evidence of his or her authority to do so and that the signature is binding upon the firm or corporation.

20-08 RESPONSIVE AND RESPONSIBLE BIDDER. A responsive bid conforms to all significant terms and conditions contained in the Sponsor's invitation for bid. It is the Sponsor's responsibility to decide if the exceptions taken by a bidder to the solicitation are material or not and the extent of deviation it is willing to accept.

A responsible bidder has the ability to perform successfully under the terms and conditions of a proposed procurement, as defined in 49 CFR § 18.36(b)(8). This includes such matters as Contractor integrity, compliance with public policy, record of past performance, and financial and technical resources.

20-09 IRREGULAR PROPOSALS. Proposals shall be considered irregular for the following reasons:

(a) If the proposal is on a form other than that furnished by the Owner, or if the Owner's form is altered, or if any part of the proposal form is detached.

(b) If there are unauthorized additions, conditional or alternate pay items, or irregularities of any kind which make the proposal incomplete, indefinite, or otherwise ambiguous.

(c) If the proposal does not contain a unit price for each pay item listed in the proposal, except in the case of authorized alternate pay items, for which the bidder is not required to furnish a unit price.

(d) If the proposal contains unit prices that are obviously unbalanced.

(e) If the proposal is not accompanied by the proposal guaranty specified by the Owner.

The Owner reserves the right to reject any irregular proposal and the right to waive technicalities if such waiver is in the best interest of the Owner and conforms to local laws and ordinances pertaining to the letting of construction contracts.

20-10 BID GUARANTY. Each separate proposal shall be accompanied by a certified check, or other specified accpetable collateral, in the amount specified in the proposal form. Such check, or collateral, shall be made payable to the Owner.

20-11 DELIVERY OF PROPOSAL. Each proposal submitted shall be placed in a sealed envelope plainly marked with the project number, location of airport and name and business address of the bidder on the outside. When sent by mail, preferably registered, the sealed proposal, marked as indicated above, should be enclosed in an additional envelope. No proposal will be considered unless received at the place specified in the advertisement or as modified by Addendum before the time specified for opening all bids. Proposals received after the bid opening time shall be returned to the bidder unopened.

20-12 WITHDRAWAL OR REVISION OF PROPOSALS. A bidder may withdraw or revise (by withdrawal of one proposal and submission of another) a proposal provided that the bidder's request for withdrawal is received by the Owner in writing or by fax, email before the time specified

for opening bids. Revised proposals must be received at the place specified in the advertisement before the time specified for opening all bids.

20-13 PUBLIC OPENING OF PROPOSALS. Proposals shall be opened, and read, publicly at the time and place specified in the advertisement. Bidders, their authorized agents, and other interested persons are invited to attend. Proposals that have been withdrawn (by written or email request) or received after the time specified for opening bids shall be returned to the bidder unopened.

20-14 DISQUALIFICATION OF BIDDERS. A bidder shall be considered disqualified for any of the following reasons:

(a) Submitting more than one proposal from the same partnership, firm, or corporation under the same or different name.

(b) Evidence of collusion among bidders. Bidders participating in such collusion shall be disqualified as bidders for any future work of the Owner until any such participating bidder has been reinstated by the Owner as a qualified bidder.

(c) If the bidder is considered to be in "default" for any reason specified in Subsection 20-04 titled ISSUANCE OF PROPOSAL FORMS of this section.

SECTION 30. AWARD AND EXECUTION OF CONTRACT

30-01 CONSIDERATION OF PROPOSALS. After the proposals are publicly opened and read, they will be compared on the basis of the summation of the products obtained by multiplying the estimated quantities shown in the proposal by the unit bid prices. If a bidder's proposal contains a discrepancy between unit bid prices written in words and unit bid prices written in numbers, the unit price written in words shall govern.

Until the award of a contract is made, the Owner reserves the right to reject a bidder's proposal for any of the following reasons:

(a) If the proposal is irregular as specified in Subsection 20-09 titled IRREGULAR PROPOSALS of Section 20.

(b) If the bidder is disqualified for any of the reasons specified in Subsection 20-14 titled DISQUALIFICATION OF BIDDERS of Section 20.

In addition, until the award of a contract is made, the Owner reserves the right to reject any or all proposals; waive technicalities, if such waiver is in the best interest of the Owner and is in conformance with applicable state and local laws or regulations pertaining to the letting of construction contracts; advertise for new proposals; or proceed with the work otherwise. All such actions shall promote the Owner's best interests.

30-02 AWARD OF CONTRACT. The award of a contract, if it is to be awarded, shall be made within 90 calendar days of the date specified for publicly opening proposals, unless otherwise specified herein.

Award of the contract shall be made by the Owner to the lowest qualified bidder whose proposal conforms to the cited requirements of the owner.

30-03 CANCELLATION OF AWARD. The Owner reserves the right to cancel the award without liability to the bidder, except return of proposal guaranty, at any time before a contract has been fully executed by all parties and is approved by the Owner in accordance with subsection 30-07 APPROVAL OF CONTRACT of this section.

30-04 RETURN OF PROPOSAL GUARANTY. All proposal guaranties, except those of the two lowest bidders, will be returned immediately after the Owner has made a comparison of bids as specified in the subsection 30-01 titled CONSIDERATION OF PROPOSALS of this section. Proposal guaranties of the two lowest bidders will be retained by the Owner until such time as an award is made, at which time, the unsuccessful bidder's proposal guaranty will be returned. The successful bidder's proposal guaranty will be returned as soon as the Owner receives the contract bonds as specified in subsection 30-05 titled REQUIREMENTS OF CONTRACT BONDS of this section.

30-05 REQUIREMENTS OF CONTRACT BONDS. At this time of the execution of the contract the successful bidder shall furnish the Owner a surety bond or bonds that have been fully executed by the bidder and the surety guaranteeing the performance of the work and the payment of all legal debts that may be incurred by reason of the Contractor's performance of the work. The surety and the form

of the bond or bonds shall be acceptable to the Owner. Unless otherwise specified in this subsection, the surety bond or bonds shall be in a sum equal to the full amount of the contract.

30-06 EXECUTION OF CONTRACT. The successful bidder shall sign (execute) the necessary agreements for entering into the contract and return the signed contract to the Owner, along with the fully executed surety bond or bonds specified in subsection 30-05 titled REQUIREMENTS OF CONTRACT BONDS of this section, within 15 calendar days from the date mailed or otherwise delivered to the successful bidder.

30-07 APPROVAL OF CONTRACT. Upon receipt of the contract and contract bond or bonds that have been executed by the successful bidder, the Owner shall complete the execution of the contract in accordance with local laws or ordinances, and return the fully executed contract to the Contractor. Delivery of the fully executed contract to the Contractor shall constitute the Owner's approval to be bound by the successful bidder's proposal and the terms of the contract.

30-08 FAILURE TO EXECUTE CONTRACT. Failure of the successful bidder to execute the contract and furnish an acceptable surety bond or bonds within the 15 calendar day period specified in Subsection 30-06 titled EXECUTION OF CONTRACT of this section shall be just cause for cancellation of the award and forfeiture of the proposal guaranty, not as a penalty, but as liquidation of damages to the Owner.

SECTION 40. SCOPE OF WORK

40-01 INTENT OF CONTRACT. The intent of the contract is to provide for construction and completion, in every detail, of the work described. It is further intended that the Contractor shall furnish all labor, materials, equipment, tools, transportation, and supplies required to complete the work in accordance with the plans, specifications, and terms of the contract.

40-02 ALTERATION OF WORK AND QUANTITIES. The Owner reserves and shall have the right to make such alterations in the work as may be necessary or desirable to complete the work originally intended in an acceptable manner. Unless otherwise specified herein the Engineer shall be and is hereby authorized to make such alterations in the work as may increase or decrease the originally awarded contract quantities, provided that the aggregate of such alterations does not change the total contract cost or the total cost of any major contract item by more than 25 percent (total cost being based on the unit prices and estimated quantities in the awarded contract). Alterations that do not exceed the 25 percent limitation shall not invalidate the contract nor release the surety, and the Contractor agrees to accept payment for such alterations as if the altered work had been a part of the original contract. These alterations that are for work within the general scope of the contract shall be covered by "Change Orders" issued by the Engineer. Change orders for altered work shall include extensions of contract time where, in the Engineer's opinion, such extensions are commensurate with the amount and difficulty of added work.

Should the aggregate amount of altered work exceed the 25 percent limitation hereinbefore specified, such excess altered work shall be covered by supplemental agreement. If the Owner and the Contractor are unable to agree on a unit adjustment for any contract item that requires a supplemental agreement, the Owner reserves the right to terminate the contract with respect to the item and make other arrangements for its completion.

Supplemental agreements shall be approved by the FAA and shall include all applicable Federal contract provisions for procurement and contracting required under AIP. Supplemental agreements shall also require consent of the Contractor’s surety and separate performance and payment bonds.

40-03 OMITTED ITEMS. The Engineer may, in the Owner's best interest, omit from the work any contract item, except major contract items. Major contract items may be omitted by a supplemental agreement. Such omission of contract items shall not invalidate any other contract provision or requirement.

Should a contract item be omitted or otherwise ordered to be non-performed, the Contractor shall be paid for all work performed toward completion of such item prior to the date of the order to omit such item. Payment for work performed shall be in accordance with Subsection 90-04 titled PAYMENT FOR OMITTED ITEMS of Section 90.

40-04 EXTRA WORK. Should acceptable completion of the contract require the Contractor to perform an item of work for which no basis of payment has been provided in the original contract or previously issued change orders or supplemental agreements, the same shall be called “Extra Work”. Extra work that is within the general scope of the contract shall be covered by written change order. Change orders for such extra work shall contain agreed unit prices for performing the change order

work in accordance with the requirements specified in the order, and shall contain any adjustment to the contract time that, in the Engineer's opinion, is necessary for completion of such extra work.

When determined by the Engineer to be in the Owner's best interest, the Engineer may order the Contractor to proceed with Extra Work as provided in the subsection 90-05 titled PAYMENT FOR EXTRA WORK of Section 90. Extra Work that is necessary for acceptable completion of the project, but is not within the general scope of the work covered by the original contract shall be covered by a Supplemental Agreement as defined in the subsection 10-48 titled SUPPLEMENTAL AGREEMENT of Section 10.

Any claim for payment of extra work that is not covered by written agreement (change order or supplemental agreement) shall be rejected by the Owner.

40-05 MAINTENANCE OF TRAFFIC. It is the explicit intention of the contract that the safety of aircraft, as well as the Contractor's equipment and personnel, is the most important consideration.

a. It is understood and agreed that the Contractor shall provide for the free and unobstructed movement of aircraft in the air operations areas (AOAs) of the airport with respect to his or her own operations and the operations of all subcontractors as specified in the subsection 80-04 titled LIMITATION OF OPERATIONS of Section 80. It is further understood and agreed that the Contractor shall provide for the uninterrupted operation of visual and electronic signals (including power supplies thereto) used in the guidance of aircraft while operating to, from, and upon the airport as specified in the subsection 70-15 titled CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE AND FACILITIES OF OTHERS in Section 70.

b. With respect to his or her own operations and the operations of all subcontractors, the Contractor shall provide marking, lighting, and other acceptable means of identifying personnel, equipment, vehicles, storage areas, and any work area or condition that may be hazardous to the operation of aircraft, fire-rescue equipment, or maintenance vehicles at the airport.

c. When the contract requires the maintenance of vehicular traffic on an existing road, street, or highway during the Contractor's performance of work that is otherwise provided for in the contract, plans, and specifications, the Contractor shall keep such road, street, or highway open to all traffic and shall provide such maintenance as may be required to accommodate traffic. The Contractor shall be responsible for the repair of any damage caused by the Contractor's equipment and personnel. The Contractor shall furnish, erect, and maintain barricades, warning signs, flag person, and other traffic control devices in reasonable conformity with the Manual on Uniform Traffic Control Devices (MUTCD) (http://mutcd.fhwa.dot.gov/), unless otherwise specified. The Contractor shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways.

40-06 REMOVAL OF EXISTING STRUCTURES. All existing structures encountered within the established lines, grades, or grading sections shall be removed by the Contractor, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the work or to remain in place. The cost of removing such existing structures shall not be measured or paid for directly, but shall be included in the various contract items.

Should the Contractor encounter an existing structure (above or below ground) in the work for which the disposition is not indicated on the plans, the Engineer shall be notified prior to disturbing such structure. The disposition of existing structures so encountered shall be immediately determined by the Engineer in accordance with the provisions of the contract.

Except as provided in Subsection 40-07 titled RIGHTS IN AND USE OF MATERIALS FOUND IN THE WORK of this section, it is intended that all existing materials or structures that may be encountered (within the lines, grades, or grading sections established for completion of the work) shall be used in the work as otherwise provided for in the contract and shall remain the property of the Owner when so used in the work.

40-07 RIGHTS IN AND USE OF MATERIALS FOUND IN THE WORK. Should the Contractor encounter any material such as (but not restricted to) sand, stone, gravel, slag, or concrete slabs within the established lines, grades, or grading sections, the use of which is intended by the terms of the contract to be either embankment or waste, the Contractor may at his or her option either:

(a) Use such material in another contract item, providing such use is approved by the Engineer and is in conformance with the contract specifications applicable to such use; or,

(b) Remove such material from the site, upon written approval of the Engineer; or,

(c) Use such material for the Contractor's own temporary construction on site; or,

(d) Use such material as intended by the terms of the contract.

Should the Contractor wish to exercise option (a), (b), or (c), the Contractor shall request the Engineer's approval in advance of such use.

Should the Engineer approve the Contractor's request to exercise option (a), (b), or (c), the Contractor shall be paid for the excavation or removal of such material at the applicable contract price. The Contractor shall replace, at his or her own expense, such removed or excavated material with an agreed equal volume of material that is acceptable for use in constructing embankment, backfills, or otherwise to the extent that such replacement material is needed to complete the contract work. The Contractor shall not be charged for use of such material used in the work or removed from the site.

Should the Engineer approve the Contractor's exercise of option (a), the Contractor shall be paid, at the applicable contract price, for furnishing and installing such material in accordance with requirements of the contract item in which the material is used.

It is understood and agreed that the Contractor shall make no claim for delays by reason of his/her exercise of option (a), (b), or (c).

The Contractor shall not excavate, remove, or otherwise disturb any material, structure, or part of a structure which is located outside the lines, grades, or grading sections established for the work, except where such excavation or removal is provided for in the contract, plans, or specifications.

40-08 FINAL CLEANUP. Upon completion of the work and before acceptance and final payment will be made, the Contractor shall remove from the site all machinery, equipment, surplus and discarded materials, rubbish, temporary structures, and stumps or portions of trees. The Contractor shall cut all brush and woods within the limits indicated and shall leave the site in a neat and presentable condition. Material cleared from the site and deposited on adjacent property will not be considered as having been disposed of satisfactorily, unless the Contractor has obtained the written permission of such property Owner.

SECTION 50. CONTROL OF WORK

50-01 AUTHORITY OF THE ENGINEER. The Engineer shall decide any and all questions which may arise as to the quality and acceptability of materials furnished, work performed, and as to the manner of performance and rate of progress of the work. The Engineer shall decide all questions that may arise as to the interpretation of the specifications or plans relating to the work. The Engineer shall determine the amount and quality of the several kinds of work performed and materials furnished which are to be paid for under the contract.

The Engineer does not have to authority to accept pavements that do not conform to FAA specification requirements.

50-02 CONFORMITY WITH PLANS AND SPECIFICATIONS. All work and all materials furnished shall be in reasonably close conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements and testing requirements that are specified (including specified tolerances) in the contract, plans or specifications.

If the Engineer finds the materials furnished, work performed, or the finished product not within reasonably close conformity with the plans and specifications but that the portion of the work affected will, in his or her opinion, result in a finished product having a level of safety, economy, durability, and workmanship acceptable to the Owner, the Engineer will advise the Owner of his or her determination that the affected work be accepted and remain in place. In this event, the Engineer will document the determination and recommend to the Owner a basis of acceptance that will provide for an adjustment in the contract price for the affected portion of the work. The Engineer's determination and recommended contract price adjustments will be based on sound engineering judgement and such tests or retests of the affected work as are, in the Engineer’s opinion, needed. Changes in the contract price shall be covered by contract change order or supplemental agreement as applicable.

If the Engineer finds the materials furnished, work performed, or the finished product are not in reasonably close conformity with the plans and specifications and have resulted in an unacceptable finished product, the affected work or materials shall be removed and replaced or otherwise corrected by and at the expense of the Contractor in accordance with the Engineer's written orders.

For the purpose of this subsection, the term "reasonably close conformity" shall not be construed as waiving the Contractor's responsibility to complete the work in accordance with the contract, plans, and specifications. The term shall not be construed as waiving the Engineer's responsibility to insist on strict compliance with the requirements of the contract, plans, and specifications during the Contractor's execution of the work, when, in the Engineer's opinion, such compliance is essential to provide an acceptable finished portion of the work.

For the purpose of this subsection, the term "reasonably close conformity" is also intended to provide the Engineer with the authority, after consultation with the F.A.A., to use sound engineering judgment in his or her determinations as to acceptance of work that is not in strict conformity but will provide a finished product equal to or better than that intended by the requirements of the contract, plans, and specifications.

The Engineer will not be responsible for the contractor's means, methods, techniques, sequences, or procedures of construction or the safety precautions incident thereto.

50-03 COORDINATION OF CONTRACT, PLANS, AND SPECIFICATIONS. The contract, plans, specifications, and all referenced standards cited are essential parts of the contract requirements. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; contract technical specifications shall govern over contract general provisions, plans, cited standards for materials or testing, and cited advisory circulars (ACs); contract general provisions shall govern over plans, cited standards for materials or testing, and cited ACs; plans shall govern over cited standards for materials or testing and cited ACs. If any paragraphs contained in the Special Provisions conflict with General Provisions or Technical Specifications, the Special Provisions shall govern.

From time to time, discrepancies within cited testing standards occur due to the timing of the change, edits, and/or replacement of standards. If the Contractor discovers any apparent discrepancy within standard test methods, the Contractor shall immediately ask the Engineer for an interpretation and decision, and such decision shall be final.

The Contractor shall not take advantage of any apparent error or omission on the plans or specifications. In the event the Contractor discovers any apparent error or discrepancy, he/she shall immediately call upon the Engineer for his/her interpretation and decision, and such decision shall be final.

50-04 COOPERATION OF CONTRACTOR. The Contractor will be supplied with five copies each of the plans and specifications. The Contractor shall have available on the work at all times one copy each of the plans and specifications. Additional copies of plans and specifications may be obtained by the Contractor for the cost of reproduction.

The Contractor shall give constant attention to the work to facilitate the progress thereof, and shall cooperate with the Engineer and his or her inspectors and with other contractors in every way possible. The Contractor shall have a competent superintendent on the work at all times who is fully authorized as his or her agent on the work. The superintendent shall be capable of reading and thoroughly understanding the plans and specifications and shall receive and fulfill instructions from the Engineer or his/her authorized representative.

50-05 COOPERATION BETWEEN CONTRACTORS. The Owner reserves the right to contract for and perform other or additional work on or near the work covered by this contract.

When separate contracts are let within the limits of any one project, each Contractor shall conduct the work so as not to interfere with or hinder the progress of completion of the work being performed by other contractors. Contractors working on the same project shall cooperate with each other as directed.

Each Contractor involved shall assume all liability, financial or otherwise, in connection with his/her contract and shall protect and save harmless the Owner from any and all damages or claims that may

arise because of inconvenience, delays, or loss experienced because of the presence and operations of other Contractors working within the limits of the same project.

The Contractor shall arrange his or her work and shall place and dispose of the materials being used so as not to interfere with the operations of the other Contractors within the limits of the same project. Contractor shall join his or her work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others.

50-06 CONSTRUCTION LAYOUT AND STAKES.

The Engineer shall establish horizontal and vertical control only. The Contractor must establish all layout required for the construction of the work. Such stakes and markings as the Engineer may set for either their own or the Contractor's guidance shall be preserved by the Contractor. In case of negligence on the part of the Contractor, or their employees, resulting in the destruction of such stakes or markings, an amount equal to the cost of replacing the same may be deducted from subsequent estimates due the Contractor at the discretion of the Engineer.

The Contractor will be required to furnish all lines, grades and measurements from the control points necessary for the proper execution and control of the work contracted for under these specifications.

The Contractor must give copies of survey notes to the Engineer for each area of construction and for each placement of material as specified to allow the Engineer to make periodic checks for conformance with plan grades, alignments and grade tolerances required by the applicable material specifications. All surveys must be provided to the Engineer prior to commencing work items that will cover or disturb the survey staking as set by the Contractor's surveyor. Survey(s) and notes shall be provided in the following format(s): Point File compatible with AutoCAD**.** In the case of error, on the part of the Contractor, their surveyor, employees or subcontractors, resulting in established grades, alignment or grade tolerances that do not concur with those specified or shown on the plans, the Contractor is solely responsible for correction, removal, replacement and all associated costs at no additional cost to the Owner.

No direct payment will be made, unless otherwise specified in the contract documents, for this labor, materials, or other expenses therewith. The cost thereof shall be included in the price of the bid for the various items of the Contract.

Construction Staking and Layout includes but is not limited to:

- **a.** Clearing and Grubbing perimeter staking
- **b.** Rough Grade slope stakes at 100-foot (30-m) stations
- **c.** Drainage Swales slope stakes and flow line blue tops at 50-foot (15-m) stations

Subgrade blue tops at 25-foot (7.5-m) stations and 25-foot (7.5-m) offset distance (maximum) for the following section locations:

a) Runway – minimum five (5) per station

b) Taxiways – minimum three (3) per station

c) Holding apron areas – minimum three (3) per station

d) Roadways – minimum three (3) per station

Base Course blue tops at 25-foot (7.5-m) stations and 25-foot (7.5-m) offset distance (maximum) for the following section locations:

a) Runway – minimum five (5) per station

b) Taxiways – minimum three (3) per station

c) Holding apron areas – minimum three (3) per station

Pavement areas:

a) Edge of Pavement hubs and tacks (for stringline by Contractor) at 100-foot (30-m) stations.

b) Between Lifts at 25-foot (7.5-m) stations for the following section locations:
(1) Runways – each paving lane width
(2) Taxiways – each paving lane width
(3) Holding areas – each paving lane width

c) After finish paving operations at 50-foot (15-m) stations:
1. All paved areas – Edge of each paving lane prior to next paving lane

d) Shoulder and safety area blue tops at 50-foot (15-m) stations and at all break points with maximum of 50-foot (15-m) offsets.

e) Fence lines at 100-foot (30-m) stations minimum.

f) Electrical and Communications System locations, lines and grades including but not limited to duct runs, connections, fixtures, signs, lights, Visual Approach Slope Indicators (VASIs), Precision Approach Path Indicators (PAPIs), Runway End Identifier Lighting (REIL), Wind Cones, Distance Markers (signs), pull boxes and manholes.

g) Drain lines, cut stakes and alignment on 25-foot (7.5-m) stations, inlet and manholes.

h) Painting and Striping layout (pinned with 1.5 inch PK nails) marked for paint Contractor. (All nails shall be removed after painting).

i) Laser, or other automatic control devices, shall be checked with temporary control point or grade hob at a minimum of once per 400 feet (120 m) per pass (that is, paving lane).

The establishment of Survey Control and/or reestablishment of survey control shall be by a State Licensed Land Surveyor.

Controls and stakes disturbed or suspect of having been disturbed shall be checked and/or reset as directed by the Engineer without additional cost to the Owner.

50-07 AUTOMATICALLY CONTROLLED EQUIPMENT. Whenever batching or mixing plant equipment is required to be operated automatically under the contract and a breakdown or malfunction of the automatic controls occurs, the equipment may be operated manually or by other

methods for a period of 48 hours following the breakdown or malfunction, provided this method of operations will produce results which conform to all other requirements of the contract.

50-08 AUTHORITY AND DUTIES OF INSPECTORS. Inspectors shall be authorized to inspect all work done and all material furnished. Such inspection may extend to all or any part of the work and to the preparation, fabrication, or manufacture of the materials to be used. Inspectors are not authorized to revoke, alter, or waive any provision of the contract. Inspectors are not authorized to issue instructions contrary to the plans and specifications or to act as foreman for the Contractor.

Inspectors are authorized to notify the Contractor or his or her representative of any failure of the work or materials to conform to the requirements of the contract, plans, or specifications and to reject such nonconforming materials in question until such issues can be referred to the Engineer for a decision.

50-09 INSPECTION OF THE WORK. All materials and each part or detail of the work shall be subject to inspection. The Engineer shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the Contractor as is required to make a completed and detailed inspection.

If the Engineer requests it, the Contractor, at any time before acceptance of the work, shall remove or uncover such portion of the finished work as may be directed. After examination, the Contractor shall restore said portions of the work to the standard required by the specifications. Should the work thus exposed or examined prove acceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be paid for as extra work; but should the work so exposed or examined prove unacceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be at the Contractor's expense.

Any work done or materials used without supervision or inspection by an authorized representative of the Owner may be ordered removed and replaced at the Contractor's expense unless the Owner's representative failed to inspect after having been given reasonable notice in writing that the work was to be performed.

Should the contract work include relocation, adjustment, or any other modification to existing facilities, not the property of the (contract) Owner, authorized representatives of the Owners of such facilities shall have the right to inspect such work. Such inspection shall in no sense make any facility owner a party to the contract, and shall in no way interfere with the rights of the parties to this contract.

50-10 REMOVAL OF UNACCEPTABLE AND UNAUTHORIZED WORK. All work which does not conform to the requirements of the contract, plans, and specifications will be considered unacceptable, unless otherwise determined acceptable by the Engineer as provided in Subsection 50-02 titled CONFORMITY WITH PLANS AND SPECIFICATIONS of this section.

Unacceptable work, whether the result of poor workmanship, use of defective materials, damage through carelessness, or any other cause found to exist prior to the final acceptance of the work, shall

be removed immediately and replaced in an acceptable manner in accordance with the provisions of Subsection 70-14 titled CONTRACTOR'S RESPONSIBILITY FOR WORK of Section 70.

No removal work made under provision of this subsection shall be done without lines and grades having been established by the Engineer. Work done contrary to the instructions of the Engineer, work done beyond the lines shown on the plans or as established by the Engineer, except as herein specified, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the contract. Work so done may be ordered removed or replaced at the Contractor's expense.

Upon failure on the part of the Contractor to comply with any order of the Engineer made under the provisions of this subsection, the Engineer will have authority to cause unacceptable work to be remedied or removed and replaced and unauthorized work to be removed and to deduct the costs incurred by the Owner from any monies due or to become due the Contractor.

50-11 LOAD RESTRICTIONS. The Contractor shall comply with all legal load restrictions in the hauling of materials on public roads beyond the limits of the work. A special permit will not relieve the Contractor of liability for damage which may result from the moving of material or equipment.

The operation of equipment of such weight or so loaded as to cause damage to structures or to any other type of construction will not be permitted. Hauling of materials over the base course or surface course under construction shall be limited as directed. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The Contractor shall be responsible for all damage done by his or her hauling equipment and shall correct such damage at his/her own expense.

50-12 MAINTENANCE DURING CONSTRUCTION. The Contractor shall maintain the work during construction and until the work is accepted. Maintenance shall constitute continuous and effective work prosecuted day by day, with adequate equipment and forces so that the work is maintained in satisfactory condition at all times.

In the case of a contract for the placing of a course upon a course or subgrade previously constructed, the Contractor shall maintain the previous course or subgrade during all construction operations.

All costs of maintenance work during construction and before the project is accepted shall be included in the unit prices bid on the various contract items, and the Contractor will not be paid an additional amount for such work.

50-13 FAILURE TO MAINTAIN THE WORK. Should the Contractor at any time fail to maintain the work as provided in Subsection 50-12 titled MAINTENANCE DURING CONSTRUCTION of this section, the Engineer shall immediately notify the Contractor of such noncompliance. Such notification shall specify a reasonable time within which the Contractor shall be required to remedy such unsatisfactory maintenance condition. The time specified will give due consideration to the exigency that exists.

Should the Contractor fail to respond to the Engineer's notification, the Owner may suspend any work necessary for the Owner to correct such unsatisfactory maintenance condition, depending on the exigency that exists. Any maintenance cost incurred by the Owner, shall be deducted from monies due or to become due the Contractor.

50-14 PARTIAL ACCEPTANCE. If at any time during the execution of the project the Contractor substantially completes a usable unit or portion of the work, the occupancy of which will benefit the Owner, the Contractor may request the Engineer to make final inspection of that unit. If the Engineer finds upon inspection that the unit has been satisfactorily completed in compliance with the contract, the Engineer may accept it as being complete, and the Contractor may be relieved of further responsibility for that unit. Such partial acceptance and beneficial occupancy by the Owner shall not void or alter any provision of the contract.

50-15 FINAL ACCEPTANCE. Upon due notice from the Contractor of presumptive completion of the entire project, the Engineer and Owner will make an inspection. If all construction provided for and contemplated by the contract is found to be complete in accordance with the contract, plans, and specifications, such inspection shall constitute the final inspection. The Engineer shall notify the Contractor in writing of final acceptance as of the date of the final inspection.

If, however, the inspection discloses any work, in whole or in part, as being unsatisfactory, the Engineer will give the Contractor the necessary instructions for correction of same, and the Contractor shall immediately comply with and execute such instructions. Upon correction of the work, another inspection will be made which shall constitute the final inspection, provided the work has been satisfactorily completed. In such event, the Engineer will make the final acceptance and notify the Contractor in writing of this acceptance as of the date of final inspection.

50-16 CLAIMS FOR ADJUSTMENT AND DISPUTES. If for any reason the Contractor deems that additional compensation is due for work or materials not clearly provided for in the contract, plans, or specifications or previously authorized as extra work, the Contractor shall notify the Engineer in writing of his or her intention to claim such additional compensation before the Contractor begins the work on which the Contractor bases the claim. If such notification is not given or the Engineer is not afforded proper opportunity by the Contractor for keeping strict account of actual cost as required, then the Contractor hereby agrees to waive any claim for such additional compensation. Such notice by the Contractor and the fact that the Engineer has kept account of the cost of the work shall not in any way be construed as proving or substantiating the validity of the claim. When the work on which the claim for additional compensation is based has been completed, the Contractor shall, within 10 calendar days, submit a written claim to the Engineer who will present it to the Owner for consideration in accordance with local laws or ordinances.

Nothing in this subsection shall be construed as a waiver of the Contractor's right to dispute final payment based on differences in measurements or computations.

50-17 COST REDUCTION INCENTIVE. The provisions of this subsection will apply only to contracts awarded to the lowest bidder pursuant to competitive bidding.

On projects with original contract amounts in excess of $100,000, the Contractor may submit to the Engineer, in writing, proposals for modifying the plans, specifications or other requirements of the contract for the sole purpose of reducing the cost of construction. The cost reduction proposal shall not impair, in any manner, the essential functions or characteristics of the project, including but not limited to service life, economy of operation, ease of maintenance, desired appearance, design and safety standards. This provision shall not apply unless the proposal submitted is specifically identified by the Contractor as being presented for consideration as a value engineering proposal.

Not eligible for cost reduction proposals are changes in the basic design of a pavement type, runway and taxiway lighting, visual aids, hydraulic capacity of drainage facilities, or changes in grade or alignment that reduce the geometric standards of the project.

As a minimum, the following information shall be submitted by the Contractor with each proposal:

(a) A description of both existing contract requirements for performing the work and the proposed changes, with a discussion of the comparative advantages and disadvantages of each;

(b) An itemization of the contract requirements that must be changed if the proposal is adopted;

(c) A detailed estimate of the cost of performing the work under the existing contract and under the proposed changes;

(d) A statement of the time by which a change order adopting the proposal must be issued;

(e) A statement of the effect adoption of the proposal will have on the time for completion of the contract; and

(f) The contract items of work affected by the proposed changes, including any quantity variation attributable to them.

The Contractor may withdraw, in whole or in part, any cost reduction proposal not accepted by the Engineer, within the period specified in the proposal. The provisions of this subsection shall not be construed to require the Engineer to consider any cost reduction proposal which may be submitted.

The Contractor shall continue to perform the work in accordance with the requirements of the contract until a change order incorporating the cost reduction proposal has been issued. If a change order has not been issued by the date upon which the Contractor's cost reduction proposal specifies that a decision should be made, or such other date as the Contractor may subsequently have requested in writing, such cost reduction proposal shall be deemed rejected.

The Engineer shall be the sole judge of the acceptability of a cost reduction proposal and of the estimated net savings from the adoption of all or any part of such proposal. In determining the

estimated net savings, the Engineer may disregard the contract bid prices if, in the Engineer's judgement such prices do not represent a fair measure of the value of the work to be performed or deleted.

The Owner may require the Contractor to share in the Owner's costs of investigating a cost reduction proposal submitted by the Contractor as a condition of considering such proposal. Where such a condition is imposed, the Contractor shall acknowledge acceptance of it in writing. Such acceptance shall constitute full authority for the Owner to deduct the cost of investigating a cost reduction proposal from accounts payable to the Contractor under the contract.

If the Contractor's cost reduction proposal is accepted in whole or in part, such acceptance will be by a contract change order which shall specifically state that it is executed pursuant to this subsection. Such change order shall incorporate the changes in the plans and specifications which are necessary to permit the cost reduction proposal or such part of it as has been accepted and shall include any conditions upon which the Engineer's approval is based. The change order shall also set forth the estimated net savings attributable to the cost reduction proposal. The net savings shall be determined as the difference in costs between the original contract costs for the involved work items and the costs occurring as a result of the proposed change. The change order shall also establish the net savings agreed upon and shall provide for adjustment in the contract price that will divide the net savings equally between the Contractor and the Owner.

The Contractor's 50 percent share of the net savings shall constitute full compensation to the Contractor for the cost reduction proposal and the performance of the work.

Acceptance of the cost-reduction proposal and performance of the cost reduction work shall not extend the time of completion of the contract unless specifically provided for in the contract change order.

SECTION 60. CONTROL OF MATERIALS

60-01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS. The materials used in the work shall conform to the requirements of the contract, plans, and specifications. Unless otherwise specified, such materials that are manufactured or processed shall be new (as compared to used or reprocessed).

In order to expedite the inspection and testing of materials, the Contractor shall furnish complete statements to the Engineer as to the origin, composition, and manufacture of all materials to be used in the work. Such statements shall be furnished promptly after execution of the contract but, in all cases, prior to delivery of such materials.

At the Engineer's option, materials may be approved at the sources of supply before delivery is started. If it is found after trial that sources of supply for previously approved materials do not produce specified products, the Contractor shall furnish materials from other sources.

The Contractor shall furnish airport lighting equipment that conforms to the requirements of cited materials specifications. In addition, where an FAA specification for airport lighting equipment is cited in the plans or specifications, the Contractor shall furnish such equipment that is:

a. Listed in Advisory Circular (AC) 150/5345-53, Airport Lighting Equipment Certification Program, and Addendum that is in effect on the date of advertisement; and,

b. Produced by the manufacturer as listed in the Addendum cited above for the certified equipment part number.

The following airport lighting equipment is required for this contract and is to be furnished by the Contractor in accordance with the requirements of this subsection:

Equipment Name	Cited FAA Spec.	Effective FAA A.C. or Approval Letter for Equipment & Manufacturer
Design and Installation Details for Airport Visual Aids	--	150/5340-30H
Airport Lighting Equipment Certification Program	--	150/5345-53D
Underground Electrical Cable for Airport Lighting Circuits	L-824	150/5345-7F
Plug and Receptacle, Cable Connectors	L-823	150/5345-26D
Airport Light Bases, Transformer Houses, Junction Boxes and Accessories	L-867 L-868	150/5345-42H
Runway and Taxiway Light Fixtures	L-861T	150/5345-46D
Isolations Transformers for Airport Lighting Systems	L-830-1	150/5345-47C

60-02 SAMPLES, TESTS, AND CITED SPECIFICATIONS. Unless otherwise designated all materials used in the work shall be inspected, tested and approved by the Engineer before incorporation in the work. Any work in which untested materials are used without approval or written permission of the Engineer shall be performed at the Contractor's risk. Materials found to be unacceptable and unauthorized will not be paid for and, if directed by the Engineer, shall be removed at the Contractor's expense.

Unless otherwise designated, quality assurance tests in accordance with the cited standard methods of ASTM, American Association of State Highway and Transportation Officials (AASHTO), Federal Specifications, Commercial Item Descriptions, and all other cited methods, which are current on the date of advertisement for bids, will be made by and at the expense of the Engineer.

The testing organizations performing on-site quality assurance field tests shall have copies of all referenced standards on the construction site for use by all technicians and other personnel, including the Contractor's representative at his or her request. Unless otherwise designated, samples for quality assurance will be taken by a qualified representative of the Engineer. All materials being used are subject to inspection, test, or rejection at any time prior to or during incorporation into the work. Copies of all tests will be furnished to the Contractor's representative at their request after review and approval of the Engineer.

The Contractor shall employ a testing organization to perform all Contractor required Quality Control tests. The Contractor shall submit to the Engineer resumes on all testing organizations and individual persons who will be performing the tests. The Engineer will determine if such persons are qualified. All the test data shall be reported to the Engineer after the results are known. A legible, handwritten copy of all test data shall be given to the Engineer daily, along with printed reports, in an approved format, on a weekly basis. After completion of the project, and prior to final payment, the Contractor shall submit a final report to the Engineer showing all test data reports, plus an analysis of all results showing ranges, averages, and corrective action taken on all failing tests.

60-03 CERTIFICATION OF COMPLIANCE. The Engineer may permit the use, prior to sampling and testing, of certain materials or assemblies when accompanied by manufacturer's certificates of compliance stating that such materials or assemblies fully comply with the requirements of the contract. The certificate shall be signed by the manufacturer. Each lot of such materials or assemblies delivered to the work must be accompanied by a certificate of compliance in which the lot is clearly identified.

Materials or assemblies used on the basis of certificates of compliance may be sampled and tested at any time and if found not to be in conformity with contract requirements will be subject to rejection whether in place or not.

The form and distribution of certificates of compliance shall be as approved by the Engineer.

When a material or assembly is specified by "brand name or equal" and the Contractor elects to furnish the specified "brand name," the Contractor shall be required to furnish the manufacturer's certificate

of compliance for each lot of such material or assembly delivered to the work. Such certificate of compliance shall clearly identify each lot delivered and shall certify as to:

(a) Conformance to the specified performance, testing, quality or dimensional requirements; and,

(b) Suitability of the material or assembly for the use intended in the contract work.

Should the Contractor propose to furnish an "or equal" material or assembly the Contractor shall furnish the manufacturer's certificate of compliance as hereinbefore described for the specified brand name material or assembly. However, the Engineer shall be the sole judge as to whether the proposed "or equal" is suitable for use in the work.

The Engineer reserves the right to refuse permission for use of materials or assemblies on the basis of certificates of compliance.

60-04 PLANT INSPECTION. The Engineer or his or her authorized representative may inspect, at its source, any specified material or assembly to be used in the work. Manufacturing plants may be inspected from time to time for the purpose of determining compliance with specified manufacturing methods or materials to be used in the work and to obtain samples required for his acceptance of the material or assembly.

Should the Engineer conduct plant inspections, the following conditions shall exist:

(a) The Engineer shall have the cooperation and assistance of the Contractor and the producer with whom the Contractor has contracted for materials.

(b) The Engineer shall have full entry at all reasonable times to such parts of the plant that concern the manufacture or production of the materials being furnished.

(c) If required by the Engineer, the Contractor shall arrange for adequate office or working space that may be reasonably needed for conducting plant inspections. Office or working space should be conveniently located with respect to the plant.

It is understood and agreed that the Owner shall have the right to retest any material that has been tested and approved at the source of supply after it has been delivered to the site. The Engineer shall have the right to reject only material which, when retested, does not meet the requirements of the contract, plans, or specifications.

60-05 ENGINEER'S FIELD OFFICE AND LABORATORY. An Engineer’s Field office is not required.

60-06 STORAGE OF MATERIALS. Materials shall be so stored as to assure the preservation of their quality and fitness for the work. Stored materials, even though approved before storage, may again be inspected prior to their use in the work. Stored materials shall be located to facilitate their prompt inspection. The Contractor shall coordinate the storage of all materials with the Engineer.

Materials to be stored on airport property shall not create an obstruction to air navigation nor shall they interfere with the free and unobstructed movement of aircraft. Unless otherwise shown on the plans, the storage of materials and the location of the Contractor's plant and parked equipment or vehicles shall be as directed by the Engineer. Private property shall not be used for storage purposes without written permission of the Owner or lessee of such property. The Contractor shall make all arrangements and bear all expenses for the storage of materials on private property. Upon request, the Contractor shall furnish the Engineer a copy of the property owner's permission.

All storage sites on private or airport property shall be restored to their original condition by the Contractor at his or her entire expense, except as otherwise agreed to (in writing) by the Owner or lessee of the property.

60-07 UNACCEPTABLE MATERIALS. Any material or assembly that does not conform to the requirements of the contract, plans, or specifications shall be considered unacceptable and shall be rejected. The Contractor shall remove any rejected material or assembly from the site of the work, unless otherwise instructed by the Engineer.

Rejected material or assembly, the defects of which have been corrected by the Contractor, shall not be returned to the site of the work until such time as the Engineer has approved its used in the work.

60-08 OWNER-FURNISHED MATERIALS. The Contractor shall furnish all materials required to complete the work, except those specified, if any, to be furnished by the Owner. Owner-furnished materials shall be made available to the Contractor at the location specified.

All costs of handling, transportation from the specified location to the site of work, storage, and installing owner-furnished materials shall be included in the unit price bid for the contract item in which such Owner-furnished material is used.

After any Owner-furnished material has been delivered to the location specified, the Contractor shall be responsible for any demurrage, damage, loss or other deficiencies that may occur during the Contractor's handling, storage, or use of such Owner-furnished material. The Owner will deduct from any monies due or to become due the Contractor any cost incurred by the Owner in making good such loss due to the Contractor's handling, storage, or use of Owner-furnished materials.

SECTION 70. LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

70-01 LAWS TO BE OBSERVED. The Contractor shall keep fully informed of all Federal and State laws, all local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. The Contractor shall at all times observe and comply with all such laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner and all his or her officers, agents, or servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree, whether by the Contractor or the Contractor's employees.

70-02 PERMITS, LICENSES, AND TAXES. The Contractor shall procure all permits and licenses, pay all charges, fees, and taxes, and give all notice necessary and incidental to the due and lawful execution of the work.

70-03 PATENTED DEVICES, MATERIALS AND PROCESSES. If the Contractor is required or desires to use any design, device, material or process covered by letters of patent or copyright, the Contractor shall provide for such use by suitable legal agreement with the Patentee or Owner. The Contractor and the surety shall indemnify and hold harmless the Owner, any third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the Owner for any costs, expenses, and damages which it may be obliged to pay by reason of an infringement, at any time during the execution or after the completion of the work.

70-04 RESTORATION OF SURFACES DISTURBED BY OTHERS. The Owner reserves the right to authorize the construction, reconstruction, or maintenance of any public or private utility service, FAA or National Oceanic and Atmospheric Administration (NOAA) facility, or a utility service of another government agency at any time during the progress of the work. To the extent that such construction, reconstruction, or maintenance has been coordinated with the Owner, such authorized work (by others) is indicated as follows:

Owner (Utility or Other Facility)	Person to Contact (Name, Title, Address and Phone)
Telephone – Pacific Bell	Ms. Cindy Lee, 1250 E. Ashlan Avenue, Fresno, CA 93762, 559-261-3426
Electric Utility – PG&E	Mr. Steve Jones, 2871 Airport Drive, Madera, CA 93637, 559-675-2258
Madera Irrigation District	Mr. Larry Howard, 12152 Road 28¼, Madera, CA 93637, 559-673-3514
Sewer, Water and Storm Drain Services	Mr. Danny Martin, Public Works Operations Manager, City of Madera, 1030 South Gateway Drive, Madera, CA 93637, 559-661-5466

Except as listed above, the Contractor shall not permit any individual, firm, or corporation to excavate or otherwise disturb such utility services or facilities located within the limits of the work without the written permission of the Engineer.

Should the owner of public or private utility service, FAA, or NOAA facility, or a utility service of another government agency be authorized to construct, reconstruct, or maintain such utility service or facility during the progress of the work, the Contractor shall cooperate with such Owners by arranging and performing the work in this contract to facilitate such construction, reconstruction or maintenance by others. whether or not such work by others is listed above. When ordered as extra work by the Engineer, the Contractor shall make all necessary repairs to the work which are due to such authorized work by others, unless otherwise provided for in the contract, plans, or specifications. It is understood and agreed that the Contractor shall not be entitled to make any claim for damages due to such authorized work by others or for any delay to the work resulting from such authorized work.

70-05 FEDERAL AID PARTICIPATION. For Airport Improvement Program (AIP) contracts, the United States Government has agreed to reimburse the Owner for some portion of the contract costs. Such reimbursement is made from time to time upon the Owner's request to the FAA. In consideration of the United States Government's (FAA's) agreement with the Owner, the Owner has included provisions in this contract pursuant to the requirements of Title 49 of the United Stated Code (USC), and the Rules and Regulations of the FAA that pertain to the work.

As required by the USC, the contract work is subject to the inspection and approval of duly authorized representatives of the FAA Administrator and is further subject to those provisions of the rules and regulations that are cited in the contract, plans, or specifications.

No requirement of the USC, the rules and regulations implementing the USC, or this contract shall be construed as making the Federal Government a party to the contract nor will any such requirement interfere, in any way, with the rights of either party to the contract.

70-06 SANITARY, HEALTH, AND SAFETY PROVISIONS. The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of his or her employees as may be necessary to comply with the requirements of the state and local Board of Health, or of other bodies or tribunals having jurisdiction.

Attention is directed to Federal, state, and local laws, rules, and regulations concerning construction safety and health standards. The Contractor shall not require any worker to work in surroundings or under conditions which are unsanitary, hazardous, or dangerous to his or her health or safety.

70-07 PUBLIC CONVENIENCE AND SAFETY. The Contractor shall control his/her operations and those of his/her subcontractors and all suppliers, to assure the least inconvenience to the traveling public. Under all circumstances, safety shall be the most important consideration.

The Contractor shall maintain the free and unobstructed movement of aircraft and vehicular traffic with respect to his or her own operations and those of his or her subcontractors and all suppliers in

accordance with Subsection 40-05 titled MAINTENANCE OF TRAFFIC of Section 40 hereinbefore specified and shall limit such operations for the convenience and safety of the traveling public as specified in Subsection 80-04 titled LIMITATION OF OPERATIONS of Section 80 hereinafter.

70-08 BARRICADES, WARNING SIGNS, AND HAZARD MARKINGS. The Contractor shall furnish, erect, and maintain all barricades, warning signs, and markings for hazards necessary to protect the public and the work. When used during periods of darkness, such barricades, warning signs, and hazard markings shall be suitably illuminated. Unless otherwise specified, barricades, warning signs, and markings for hazards that are in the air operations area (AOA) shall be a maximum of 18 inches high. Unless otherwise specified, barricades shall be spaced not more than 4 feet apart. Barricades, warning signs, and markings shall be paid for under subsection 40-05.

For vehicular and pedestrian traffic, the Contractor shall furnish, erect, and maintain barricades, warning signs, lights and other traffic control devices in reasonable conformity with the Manual of Uniform Traffic Control Devices.

When the work requires closing an air operations area of the airport or portion of such area, the Contractor shall furnish, erect, and maintain temporary markings and associated lighting conforming to the requirements of Advisory Circular (AC) 150/5340-1L, Standards for Airport Markings.

The Contractor shall furnish, erect, and maintain markings and associated lighting of open trenches, excavations, temporary stockpiles, and Contractor's parked construction equipment that may be hazardous to the operation of emergency fire-rescue or maintenance vehicles on the airport in reasonable conformance to AC 150/5370-2F, Operational Safety on Airports During Construction.

The Contractor shall identify each motorized vehicle or piece of construction equipment in reasonable conformance to AC 150/5370-2F.

The Contractor shall furnish and erect all barricades, warning signs, and markings for hazards prior to commencing work that requires such erection and shall maintain the barricades, warning signs, and markings for hazards until their removal is directed by the Engineer.

Open-flame type lights shall not be permitted.

70-09 USE OF EXPLOSIVES. The use or storage of explosives is not permitted on this Airport.

70-10 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE. The Contractor shall be responsible for the preservation of all public and private property, and shall protect carefully from disturbance or damage all land monuments and property markers until the Engineer has witnessed or otherwise referenced their location and shall not move them until directed.

The Contractor shall be responsible for all damage or injury to property of any character, during the execution of the work, resulting from any act, omission, neglect, or misconduct in manner or method of executing the work, or at any time due to defective work or materials, and said responsibility shall not be released until the project shall has been completed and accepted.

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work, or in consequence of the nonexecution thereof by the Contractor, the Contractor shall restore, at his/her own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing or otherwise restoring as may be directed, or he or she shall make good such damage or injury in an acceptable manner.

70-11 RESPONSIBILITY FOR DAMAGE CLAIMS. The Contractor shall indemnify and save harmless the Engineer and the Owner and their officers, and employees from all suits, actions, or claims of any character brought because of any injuries or damage received or sustained by any person, persons, or property on account of the operations of the Contractor; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Contractor; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or recovered under the "Workmen's Compensation Act," or any other law, ordinance, order, or decree. Money due the Contractor under and by virtue of his or her contract as may be considered necessary by the Owner for such purpose may be retained for the use of the Owner or, in case no money is due, his or her surety may be held until such suits, actions, or claims for injuries or damages shall have been settled and suitable evidence to that effect furnished to the Owner, except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that he or she is adequately protected by public liability and property damage insurance.

70-12 THIRD PARTY BENEFICIARY CLAUSE. It is specifically agreed between the parties executing the contract that it is not intended by any of the provisions of any part of the contract to create the public or any member thereof a third party beneficiary or to authorize anyone not a party to the contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of the contract.

70-13 OPENING SECTIONS OF THE WORK TO TRAFFIC. Should it be necessary for the Contractor to complete portions of the contract work for the beneficial occupancy of the Owner prior to completion of the entire contract, such "phasing" of the work shall be specified herein and indicated on the plans. When so specified, the Contractor shall complete such portions of the work on or before the date specified or as otherwise specified. The Contractor shall make his or her own estimate of the difficulties involved in arranging his or her work to permit such beneficial occupancy by the Owner as described below:

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Upon completion of any portion of the work listed above, such portion shall be accepted by the Owner in accordance with Subsection 50-14 titled PARTIAL ACCEPTANCE.

No portion of the work may be opened by the Contractor for public use until ordered by the Engineer in writing. Should it become necessary to open a portion of the work to public traffic on a temporary or intermittent basis, such openings shall be made when, in the opinion of the Engineer, such portion

of the work is in an acceptable condition to support the intended traffic. Temporary or intermittent openings are considered to be inherent in the work and shall not constitute either acceptance of the portion of the work so opened or a waiver of any provisions of the contract. Any damage to the portion of the work so opened that is not attributable to traffic which is permitted by the Owner shall be repaired by the Contractor at his or her expense.

The Contractor shall make his or her own estimate of the inherent difficulties involved in completing the work under the conditions herein described and shall not claim any added compensation by reason or delay or increased cost due to opening a portion of the contract work.

Contractor shall be required to conform to safety standards contained in AC 150/5370-2F (see Special Provisions).

Contractor shall refer to the approved Construction Safety and Phasing Plan (CSPP) to identify barricade requirements and other safety requirements prior to opening up sections of work to traffic.

70-14 CONTRACTOR'S RESPONSIBILITY FOR WORK. Until the Engineer's final written acceptance of the entire completed work, excepting only those portions of the work accepted in accordance with Subsection 50-14 titled PARTIAL ACCEPTANCE of Section 50, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part due to the action of the elements or from any other cause, whether arising from the execution or from the nonexecution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God such as earthquake, tidal wave, tornado, hurricane or other cataclysmic phenomenon of nature, or acts of the public enemy or of governmental authorities.

If the work is suspended for any cause whatever, the Contractor shall be responsible for the work and shall take such precautions necessary to prevent damage to the work. The Contractor shall provide for normal drainage and shall erect necessary temporary structures, signs, or other facilities at his or her expense. During such period of suspension of work, the Contractor shall properly and continuously maintain in an acceptable growing condition all living material in newly established planting, seeding, and sodding furnished under the contract, and shall take adequate precautions to protect new tree growth and other important vegetable growth against injury.

70-15 CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE AND FACILITIES OF OTHERS. As provided in Subsection 70-04 titled RESTORATION OF SURFACES DISTURBED BY OTHERS of this section, the Contractor shall cooperate with the owner of any public or private utility service, FAA or NOAA, or a utility service of another government agency that may be authorized by the Owner to construct, reconstruct or maintain such utility services or facilities during the progress of the work. In addition, the Contractor shall control his or her operations to prevent the unscheduled interruption of such utility services and facilities.

To the extent that such public or private utility services, FAA, or NOAA facilities, or utility services of another governmental agency are known to exist within the limits of the contract work, the approximate locations have been indicated on the plans and the owners are indicated as follows:

Utility Service or Facility	Person to Contact (Name, Title, Address & Phone)	Owner's Emergency Contact (Phone)
Telephone – Pacific Bell	Ms. Cindy Lee 1250 E. Ashlan Avenue Fresno, CA 93762	(559) 261-3426
Pacific Gas and Electric	Mr. Steve Jones 2871 Airport Drive Madera, CA 93637	(559) 675-2258
Cable – Media One	Mr. John Burtner 1945 N. Helm Avenue Fresno, CA 93727	(559) 455-4231
Madera Irrigation District	Larry Howard 12152 Road 28-1/4 Madera, CA 93637	(559) 673-3514
Sewer, Water and Storm Drain Services	Mr. Danny Martin Public Works Operations Manager City of Madera 1030 South Gateway Drive Madera, CA 93637	(559) 661-5466

It is understood and agreed that the Owner does not guarantee the accuracy or the completeness of the location information relating to existing utility services, facilities, or structures that may be shown on the plans or encountered in the work. Any inaccuracy or omission in such information shall not relieve the Contractor of the responsibility to protect such existing features from damage or unscheduled interruption of service.

It is further understood and agreed that the Contractor shall, upon execution of the contract, notify the owners of all utility services or other facilities of his or her plan of operations. Such notification shall be in writing addressed to THE PERSON TO CONTACT as provided hereinbefore in this subsection and Subsection 70-04 titled RESTORATION OF SURFACES DISTURBED BY OTHERS of this section. A copy of each notification shall be given to the Engineer.

In addition to the general written notification provided, it shall be the responsibility of the Contractor to keep such individual owners advised of changes in his or her plan of operations that would affect such Owners.

Prior to beginning the work in the general vicinity of an existing utility service or facility, the Contractor shall again notify each such Owner of his or her plan of operation. If, in the Contractor's opinion, the Owner's assistance is needed to locate the utility service or facility or the presence of a representative of the Owner is desirable to observe the work, such advice should be included in the

notification. Such notification shall be given by the most expeditious means to reach the utility owner's PERSON TO CONTACT no later than two normal business days prior to the Contractor's commencement of operations in such general vicinity. The Contractor shall furnish a written summary of the notification to the Engineer.

The Contractor's failure to give the two day's notice shall be cause for the Owner to suspend the Contractor's operations in the general vicinity of a utility service or facility.

Where the outside limits of an underground utility service have been located and staked on the ground, the Contractor shall be required to use hand excavation methods within 3 feet of such outside limits at such points as may be required to ensure protection from damage due to the Contractor's operations.

Should the Contractor damage or interrupt the operation of a utility service or facility by accident or otherwise, the Contractor shall immediately notify the proper authority and the Engineer and shall take all reasonable measures to prevent further damage or interruption of service. The Contractor, in such events, shall cooperate with the utility service or facility owner and the Engineer continuously until such damage has been repaired and service restored to the satisfaction of the utility or facility owner.

The Contractor shall bear all costs of damage and restoration of service to any utility service or facility due to their operations whether due to negligence or accident. The Owner reserves the right to deduct such costs from any monies due or which may become due the Contractor, or his or her surety.

70-15.1 FAA FACILITIES AND CABLE RUNS. The Contractor is hereby advised that the construction limits of the project include existing facilities and buried cable runs that are owned, operated and maintained by the FAA. The Contractor, during the execution of the project work, shall comply with the following:

a. The Contractor shall permit FAA maintenance personnel the right of access to the project work site for purposes of inspecting and maintaining all existing FAA owned facilities.

b. The Contractor shall notify FAA Air Traffic Organization (ATO)/Technical Operations/System Support Center (SSC) Point-of-Contact through the Airport Owner a minimum of seven (7) calendar days prior to commencement of construction activities in order to permit sufficient time to locate and mark existing buried cables and to schedule any required facility outages.

c. If execution of the project work requires a facility outage, the Contractor shall contact the above named FAA Point-of-Contact a minimum of 72 hours prior to the time of the required outage.

d. Any damage to FAA cables, access roads, or FAA facilities during construction caused by the Contractor’s equipment or personnel whether by negligence or accident will require the Contractor to repair or replace the damaged cables, access road, or FAA facilities to FAA requirements. The Contractor shall not bear the cost to repair damage to underground facilities or utilities improperly located by the FAA.

e. If the project work requires the cutting or splicing of FAA owned cables, the FAA Point-of-Contact shall be contacted a minimum of 72 hours prior to the time the cable work commences. The FAA reserves the right to have a FAA representative on site to observe the splicing of the cables as a condition of acceptance. All cable splices are to be accomplished in accordance with FAA specifications and require approval by the FAA Point-of-Contact as a condition of acceptance by the Owner. The Contractor is hereby advised that FAA restricts the location of where splices may be installed. If a cable splice is required in a location that is not permitted by FAA, the Contractor shall furnish and install a sufficient length of new cable that eliminates the need for any splice.

70-16 FURNISHING RIGHTS-OF-WAY. The Owner will be responsible for furnishing all rights-of-way upon which the work is to be constructed in advance of the Contractor's operations.

70-17 PERSONAL LIABILITY OF PUBLIC OFFICIALS. In carrying out any of the contract provisions or in exercising any power or authority granted by this contract, there shall be no liability upon the Engineer, his or her authorized representatives, or any official of the Owner either personally or as an official of the Owner. It is understood that in such matters they act solely as agents and representatives of the Owner.

70-18 NO WAIVER OF LEGAL RIGHTS. Upon completion of the work, the Owner will expeditiously make final inspection and notify the Contractor of final acceptance. Such final acceptance, however, shall not preclude or stop the Owner from correcting any measurement, estimate, or certificate made before or after completion of the work, nor shall the Owner be precluded or stopped from recovering from the Contractor or his or her surety, or both, such overpayment as may be sustained, or by failure on the part of the Contractor to fulfill his/her obligations under the contract. A waiver on the part of the Owner of any breach of any part of the contract shall not be held to be a waiver of any other or subsequent breach.

The Contractor, without prejudice to the terms of the contract, shall be liable to the Owner for latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Owner's rights under any warranty or guaranty.

70-19 ENVIRONMENTAL PROTECTION. The Contractor shall comply with all Federal, state, and local laws and regulations controlling pollution of the environment. The Contractor shall take necessary precautions to prevent pollution of streams, lakes, ponds, and reservoirs with fuels, oils, bitumens, chemicals or other harmful materials and to prevent pollution of the atmosphere from particulate and gaseous matter.

70-20 ARCHAEOLOGICAL AND HISTORICAL FINDINGS. Unless otherwise specified in this subsection, the Contractor is advised that the site of the work is not within any property, district, or site, and does not contain any building, structure, or object listed in the current National Register of Historic Places published by the United States Department of Interior.

Should the Contractor encounter, during his or her operations, any building, part of a building, structure, or object that is incongruous with its surroundings, the Contractor shall immediately cease operations in that location and notify the Engineer. The Engineer will immediately investigate the

Contractor's finding and the Owner will direct the Contractor to either resume operations or to suspend operations as directed.

Should the Owner order suspension of the Contractor's operations in order to protect an archaeological or historical finding, or order the Contractor to perform extra work, such shall be covered by an appropriate contract change order or supplemental agreement as provided in Subsection 40-04 titled EXTRA WORK of Section 40 and Subsection 90-05 titled PAYMENT FOR EXTRA WORK of Section 90. If appropriate, the contract change order or supplemental agreement shall include an extension of contract time in accordance with Subsection 80-07 titled DETERMINATION AND EXTENSION OF CONTRACT TIME of Section 80.

SECTION 80. PROSECUTION AND PROGRESS

80-01 SUBLETTING OF CONTRACT. The Owner will not recognize any subcontractor on the work. The Contractor shall at all times when work is in progress be represented either in person, by a qualified superintendent, or by other designated, qualified representative who is duly authorized to receive and execute orders of the Engineer.

The Contractor shall provide copies of all subcontracts to the Engineer. The Contractor shall perform, with his organization, an amount of work equal to at least 50 percent of the total contract cost.

Should the Contractor elect to assign his or her contract, said assignment shall be concurred in by the surety, shall be presented for the consideration and approval of the Owner, and shall be consummated only on the written approval of the Owner.

80-02 NOTICE TO PROCEED. The notice to proceed shall state the date on which it is expected the Contractor will begin the construction and from which date contract time will be charged. The Contractor shall begin the work to be performed under the contract within 10 days of the date set by the Engineer in the written notice to proceed, but in any event, the Contractor shall notify the Engineer at least 24 hours in advance of the time actual construction operations will begin. The Contractor shall not commence any actual construction prior to the date on which the notice to proceed is issued by the Owner.

80-03 EXECUTION AND PROGRESS. Unless otherwise specified, the Contractor shall submit his or her progress schedule for the Engineer's approval within 10 days after the effective date of the notice to proceed. The Contractor's progress schedule, when approved by the Engineer, may be used to establish major construction operations and to check on the progress of the work. The Contractor shall provide sufficient materials, equipment, and labor to guarantee the completion of the project in accordance with the plans and specifications within the time set forth in the proposal.

If the Contractor falls significantly behind the submitted schedule, the Contractor shall, upon the Engineer's request, submit a revised schedule for completion of the work within the contract time and modify his or her operations to provide such additional materials, equipment, and labor necessary to meet the revised schedule. Should the execution of the work be discontinued for any reason, the Contractor shall notify the Engineer at least 24 hours in advance of resuming operations.

The Contractor shall not commence any actual construction prior to the date on which the notice to proceed is issued by the Owner.

80-04 LIMITATION OF OPERATIONS. The Contractor shall control his or her operations and the operations of his or her subcontractors and all suppliers to provide for the free and unobstructed movement of aircraft in the AIR OPERATIONS AREAS (AOA) of the airport.

When the work requires the Contractor to conduct his/her operations within an AOA of the airport, the work shall be coordinated with airport operations (through the Engineer) at least 48 hours prior to commencement of such work. The Contractor shall not close an AOA until so authorized by the

Engineer and until the necessary temporary marking and associated lighting is in place as provided in Subsection 70-08 titled BARRICADES, WARNING SIGNS, AND HAZARD MARKINGS of Section 70.

When the contract work requires the Contractor to work within an AOA of the airport on an intermittent basis (intermittent opening and closing of the AOA), the Contractor shall maintain constant communications as hereinafter specified; immediately obey all instructions to vacate the AOA; immediately obey all instructions to resume work in such AOA. Failure to maintain the specified communications or to obey instructions shall be cause for suspension of the Contractor's operations in the AOA until the satisfactory conditions are provided. The following AOA cannot be closed to operating aircraft to permit the Contractor's operations on a continuous basis and will therefore be closed to aircraft operations intermittently as follows:

AOA	Time Periods AOA Can be Closed	Type of Communications Required When Working in AOA	Control Authority
Runways Taxiways, & Aprons	*	Two-Way Radio Tuned to 122.8 MHz	Airport Manager

*See Special Conditions Article (8).

Contractor shall be required to conform to safety standards contained in AC 150/5370-2, Operational Safety on Airports During Construction (See Special Provisions).

80-04.1 OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION. All Contractors' operations shall be conducted in accordance with the project Construction Safety and Phasing Plan (CSPP) and the provisions set forth within the current version of Advisory Circular 150/5370-2. The CSPP included within the contract documents conveys minimum requirements for operational safety on the airport during construction activities. The Contractor shall prepare and submit a Safety Plan Compliance Document that details how it proposes to comply with the requirements presented within the CSPP.

The contractor shall implement all necessary safety plan measures prior to commencement of any work activity. The Contractor shall conduct routine checks to assure compliance with the safety plan measures.

The Contractor is responsible to the Owner for the conduct of all subcontractors it employs on the project. The Contractor shall assure that all subcontractors are made aware of the requirements of the CSPP and that they implement and maintain all necessary measures.

No deviation or modifications may be made to the approved CSPP unless approved in writing by the Owner or Engineer.

80-05 CHARACTER OF WORKERS, METHODS, AND EQUIPMENT. The Contractor shall, at all times, employ sufficient labor and equipment for prosecuting the work to full completion in the manner and time required by the contract, plans, and specifications.

All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special work or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily.

Any person employed by the Contractor or by any subcontractor who violates any operational regulations or operational safety requirements and, in the opinion of the Engineer, does not perform his work in a proper and skillful manner or is intemperate or disorderly shall, at the written request of the Engineer, be removed forthwith by the Contractor or subcontractor employing such person, and shall not be employed again in any portion of the work without approval of the Engineer.

Should the Contractor fail to remove such persons or person, or fail to furnish suitable and sufficient personnel for the proper execution of the work, the Engineer may suspend the work by written notice until compliance with such orders.

All equipment that is proposed to be used on the work shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the work shall be such that no injury to previously completed work, adjacent property, or existing airport facilities will result from its use.

When the methods and equipment to be used by the Contractor in accomplishing the work are not prescribed in the contract, the Contractor is free to use any methods or equipment that will accomplish the work in conformity with the requirements of the contract, plans, and specifications.

When the contract specifies the use of certain methods and equipment, such methods and equipment shall be used unless others are authorized by the Engineer. If the Contractor desires to use a method or type of equipment other than specified in the contract, the Contractor may request authority from the Engineer to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed and of the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with contract requirements. If, after trial use of the substituted methods or equipment, the Engineer determines that the work produced does not meet contract requirements, the Contractor shall discontinue the use of the substitute method or equipment and shall complete the remaining work with the specified methods and equipment. The Contractor shall remove any deficient work and replace it with work of specified quality, or take such other corrective action as the Engineer may direct. No change will be made in basis of payment for the contract items involved nor in contract time as a result of authorizing a change in methods or equipment under this subsection.

80-06 TEMPORARY SUSPENSION OF THE WORK. The Owner shall have the authority to suspend the work wholly, or in part, for such period or periods as the Owner may deem necessary, due to unsuitable weather, or such other conditions as are considered unfavorable for the execution of the work, or for such time as is necessary due to the failure on the part of the Contractor to carry out orders given or perform any or all provisions of the contract.

In the event that the Contractor is ordered by the Owner, in writing, to suspend work for some unforeseen cause not otherwise provided for in the contract and over which the Contractor has no control, the Contractor may be reimbursed for actual money expended on the work during the period of shutdown. No allowance will be made for anticipated profits. The period of shutdown shall be computed from the effective date of the Engineer's order to suspend work to the effective date of the Engineer's order to resume the work. Claims for such compensation shall be filed with the Engineer within the time period stated in the Engineer's order to resume work. The Contractor shall submit with his or her claim information substantiating the amount shown on the claim. The Engineer will forward the Contractor's claim to the Owner for consideration in accordance with local laws or ordinances. No provision of this article shall be construed as entitling the Contractor to compensation for delays due to inclement weather, for suspensions made at the request of the Owner, or for any other delay provided for in the contract, plans, or specifications.

If it should become necessary to suspend work for an indefinite period, the Contractor shall store all materials in such manner that they will not become an obstruction nor become damaged in any way. The Contractor shall take every precaution to prevent damage or deterioration of the work performed and provide for normal drainage of the work. The Contractor shall erect temporary structures where necessary to provide for traffic on, to, or from the airport.

80-07 DETERMINATION AND EXTENSION OF CONTRACT TIME. The number of working days allowed for completion of the work shall be stated in the proposal and contract and shall be known as the CONTRACT TIME.

Should the contract time require extension for reasons beyond the Contractor’s control, it shall be adjusted as follows:

(a) CONTRACT TIME based on WORKING DAYS shall be calculated weekly by the Engineer. The Engineer will furnish the Contractor a copy of his or her weekly statement of the number of working days charged against the contract time during the week and the number of working days currently specified for completion of the contract (the original contract time plus the number of working days, if any, that have been included in approved CHANGE ORDERS or SUPPLEMENTAL AGREEMENTS covering EXTRA WORK).

The Engineer shall base his or her weekly statement of contract time charged on the following considerations:

(1) No time shall be charged for days on which the Contractor is unable to proceed with the principal item of work under construction at the time for at least 6 hours with the normal work force employed on such principal item. Should the normal work force be on a double-shift, 12 hours shall be used. Should the normal work force be on a triple-shift, 18 hours shall apply. Conditions beyond the Contractor's control such as strikes, lockouts, unusual delays in transportation, temporary suspension of the principal item of work under construction or temporary suspension of the entire work which have been ordered by the Owner for reasons not the fault of the Contractor, shall not be charged against the contract time.

(2) The Engineer will not make charges against the contract time prior to the effective date of the notice to proceed.

(3) The Engineer will begin charges against the contract time on the first working day after the effective date of the notice to proceed.

(4) The Engineer will not make charges against the contract time after the date of final acceptance as defined in Subsection 50-15 titled FINAL ACCEPTANCE of Section 50.

(5) The Contractor will be allowed one week in which to file a written protest setting forth his or her objections to the Engineers' weekly statement. If no objection is filed within such specified time, the weekly statement shall be considered as acceptable to the Contractor.

The contract time (stated in the proposal) is based on the originally estimated quantities as described in Subsection 20-05 titled INTERPRETATION OF ESTIMATED PROPOSAL QUANTITIES of Section 20. Should the satisfactory completion of the contract require performance of work in greater quantities than those estimated in the proposal, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in contract time shall not consider either the cost of work or the extension of contract time that has been covered by change order or supplemental agreement and shall be made at the time of final payment.

(b) CONTRACT TIME based on CALENDAR DAYS shall consist of the number of calendar days stated in the contract counting from the effective date of the notice to proceed and including all Saturdays, Sundays, holidays, and nonwork days. All calendar days elapsing between the effective dates of the Owner’s orders to suspend and resume all work, due to causes not the fault of the contractor, shall be excluded.

At the time of final payment, the contract time shall be increased in the same proportion as the cost of the actually completed quanities bears to the cost of the originally estimated quanities in the proposal. Such increase in the contract time shall not consider either cost of work or the extension of contract time that has been covered by a change order or supplemental agreement. Charges against the contract time will cease as of the date of final acceptance.

(c) When the contract time is a specified completion date, it shall be the date on which all contract work shall be substanitiallly completed.

If the Contractor finds it impossible for reasons beyond his or her control to complete the work within the contract time as specified, or as extended in accordance with the provisions of this subsection, the Contractor may at any time prior to the expiration of the contract time as extended, make a written request to the Owner for an extension of time setting forth the reasons the Contractor believes will justify the granting of his or her request. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the supporting documentation justify the work was delayed because of conditions beyond the control and without the fault of the Contractor, the Owner may extend the time for completion by a change order that adjusts the contract time. The extended time

for completion shall then be in full force and effect, the same as though it were the original time for completion.

80-08 FAILURE TO COMPLETE ON TIME. For each calendar day or working day, as specified in the contract, that any work remains uncompleted after the contract time (including all extensions and adjustments as provided in Subsection 80-07 titled DETERMINATION AND EXTENSION OF CONTRACT TIME of this Section) the sum specified in the proposal as liquidated damages will be deducted from any money due or to become due the Contractor or his or her surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages, including but not limited to additional engineering services, that will be incurred by the Owner should the Contractor fail to complete the work in the time provided in his/her contract.

Schedule	Liquidated Damages Cost	Allowed Construction Time
Total Project	$2,000/calendar day	40 working days

Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the Owner of any of its rights under the contract.

80-09 DEFAULT AND TERMINATION OF CONTRACT. The Contractor shall be considered in default of his or her contract and such default will be considered as cause for the Owner to terminate the contract for any of the following reasons, if the Contractor:

(a) Fails to begin the work under the contract within the time specified in the "Notice to Proceed," or

(b) Fails to perform the work or fails to provide sufficient workers, equipment or materials to assure completion of work in accordance with the terms of the contract, or

(c) Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable, or

(d) Discontinues the prosecution of the work, or

(e) Fails to resume work which has been discontinued within a reasonable time after notice to do so, or

(f) Becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency, or

(g) Allows any final judgement to stand against him unsatisfied for a period of 10 days, or

(h) Makes an assignment for the benefit of creditors, or

(i) For any other cause whatsoever, fails to carry on the work in an acceptable manner.

Should the Engineer consider the Contractor in default of the contract for any reason above, the Engineer shall immediately give written notice to the Contractor and the Contractor's surety as to the reasons for considering the Contractor in default and the Owner's intentions to terminate the contract.

If the Contractor or surety, within a period of 10 days after such notice, does not proceed in accordance therewith, then the Owner will, upon written notification from the Engineer of the facts of such delay, neglect, or default and the Contractor's failure to comply with such notice, have full power and authority without violating the contract, to take the execution of the work out of the hands of the Contractor. The Owner may appropriate or use any or all materials and equipment that have been mobilized for use in the work and are acceptable and may enter into an agreement for the completion of said contract according to the terms and provisions thereof, or use such other methods as in the opinion of the Engineer will be required for the completion of said contract in an acceptable manner.

All costs and charges incurred by the Owner, together with the cost of completing the work under contract, will be deducted from any monies due or which may become due the Contractor. If such expense exceeds the sum which would have been payable under the contract, then the Contractor and the surety shall be liable and shall pay to the Owner the amount of such excess.

80-10 TERMINATION FOR NATIONAL EMERGENCIES. The Owner shall terminate the contract or portion thereof by written notice when the Contractor is prevented from proceeding with the construction contract as a direct result of an Executive Order of the President with respect to the execution of war or in the interest of national defense.

When the contract, or any portion thereof, is terminated before completion of all items of work in the contract, payment will be made for the actual number of units or items of work completed at the contract price or as mutually agreed for items of work partially completed or not started. No claims or loss of anticipated profits shall be considered.

Reimbursement for organization of the work, and other overhead expenses, (when not otherwise included in the contract) and moving equipment and materials to and from the job will be considered, the intent being that an equitable settlement will be made with the Contractor.

Acceptable materials, obtained or ordered by the Contractor for the work and that are not incorporated in the work shall, at the option of the Contractor, be purchased from the Contractor at actual cost as shown by receipted bills and actual cost records at such points of delivery as may be designated by the Engineer.

Termination of the contract or a portion thereof shall neither relieve the Contractor of his or her responsibilities for the completed work nor shall it relieve his or her surety of its obligation for and concerning any just claim arising out of the work performed.

80-11 WORK AREA, STORAGE AREA AND SEQUENCE OF OPERATIONS. The Contractor shall obtain approval from the Engineer prior to beginning any work in all areas of the airport. No operating runway, taxiway, or Air Operations Area (AOA) shall be crossed, entered, or obstructed while it is operational. The Contractor shall plan and coordinate his/her work in such a manner as to ensure safety and a minimum of hindrance to flight operations. All Contractor

equipment and material stockpiles shall be stored a minimum of 250 feet from the centerline of an active runway. No equipment will be allowed to park within the approach area of an active runway at any time. No equipment shall be within 250 feet of an active runway at any time.

SECTION 90. MEASUREMENT AND PAYMENT

90-01 MEASUREMENT OF QUANTITIES. All work completed under the contract will be measured by the Engineer, or his/her authorized representatives, using United States Customary Units of Measurement or the International System of Units.

The method of measurement and computations to be used in determination of quantities of materials furnished and of work performed under the contract will be those methods generally recognized as conforming to good engineering practice.

Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures (or leave-outs) having an area of 9 square feet (0.8 square meter) or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the plans or ordered in writing by the Engineer.

Structures will be measured according to neat lines shown on the plans or as altered to fit field conditions.

Unless otherwise specified, all contract items which are measured by the linear foot such as electrical ducts, conduits, pipe culverts, underdrains, and similar items shall be measured parallel to the base or foundation upon which said items are placed.

In computing volumes of excavation the average end area method or other acceptable methods will be used.

The thickness of plates and galvanized steel used in the manufacture of corrugated metal pipe, metal plate pipe culverts and arches, and metal cribbing will be specified and measured in decimal fraction of inch.

The term "ton" will mean the short ton consisting of 2,000 pounds (907 kilograms) avoirdupois. All materials that are measured or proportioned by weights shall be weighed on accurate, approved scales by competent, qualified personnel at locations designed by the Engineer. If material is shipped by rail, the car weight may be accepted provided that only the actual weight of material is paid for. However, car weights will not be acceptable for material to be passed through mixing plants. Trucks used to haul material being paid for by weight shall be weighed empty daily at such times as the Engineer directs, and each truck shall bear a plainly legible identification mark.

Materials to be measured by volume in the hauling vehicle shall be hauled in approved vehicles and measured therein at the point of delivery. Vehicles for this purpose may be of any size or type acceptable for the materials hauled, provided that the body is of such shape that the actual contents may be readily and accurately determined. All vehicles shall be loaded to at least their water level capacity, and all loads shall be leveled when the vehicles arrive at the point of delivery.

When requested by the Contractor and approved by the Engineer in writing, material specified to be measured by the cubic yard (cubic meter) may be weighed, and such weights will be converted to

cubic yards (cubic meters) for payment purposes. Factors for conversion from weight measurement to volume measurement will be determined by the Engineer and shall be agreed to by the Contractor before such method of measurement of pay quantities is used.

Bituminous materials will be measured by the gallon (liter) or ton (kilogram). When measured by volume, such volumes will be measured at 60 degrees F (16 degrees C) or will be corrected to the volume at 60 degrees F (16 degrees C) using ASTM D 1250 for asphalts or ASTM D 633 for tars.

Net certified scale weights or weights based on certified volumes in the case of rail shipments will be used as a basis of measurement, subject to correction when bituminous material has been lost from the car or the distributor, wasted, or otherwise not incorporated in the work.

When bituminous materials are shipped by truck or transport, net certified weights by volume, subject to correction for loss or foaming, may be used for computing quantities.

Cement will be measured by the ton (kg) or hundredweight (km).

Timber will be measured by the thousand feet board measure (MFBM) actually incorporated in the structure. Measurement will be based on nominal widths and thicknesses and the extreme length of each piece.

The term "lump sum" when used as an item of payment will mean complete payment for the work described in the contract.

When a complete structure or structural unit (in effect, "lump sum" work) is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.

Rental of equipment will be measured by the time in hours of actual working time and necessary traveling time of the equipment within the limits of the work. Special equipment ordered by the Engineer in connection with force account work will be measured as agreed in the change order or supplemental agreement authorizing such force account work as provided in Subsection 90-05 titled PAYMENT FOR EXTRA WORK of this section.

When standard manufactured items are specified such as fence, wire, plates, rolled shapes, pipe conduit, etc., and these items are identified by gauge, unit weight, section dimensions, etc., such identification will be considered to be nominal weights or dimensions. Unless more stringently controlled by tolerances in cited specifications, manufacturing tolerances established by the industries involved will be accepted.

Scales for weighing materials which are required to be proportioned or measured and paid for by weight shall be furnished, erected, and maintained by the Contractor, or be certified permanently installed commercial scales.

Scales shall be accurate within one-half percent of the correct weight throughout the range of use. The Contractor shall have the scales checked under the observation of the inspector before beginning work and at such other times as requested. The intervals shall be uniform in spacing throughout the

graduated or marked length of the beam or dial and shall not exceed one-tenth of one percent of the nominal rated capacity of the scale, but not less than one pound (454 grams). The use of spring balances will not be permitted.

Beams, dials, platforms, and other scale equipment shall be so arranged that the operator and the inspector can safely and conveniently view them.

Scale installations shall have available ten standard 50-pound (2.3 kilogram) weights for testing the weighing equipment or suitable weights and devices for other approved equipment.

Scales must be tested for accuracy and serviced before use at a new site. Platform scales shall be installed and maintained with the platform level and rigid bulkheads at each end.

Scales "overweighing" (indicating more than correct weight) will not be permitted to operate, and all materials received subsequent to the last previous correct weighing-accuracy test will be reduced by the percentage of error in excess of one-half of one percent.

In the event inspection reveals the scales have been "underweighing" (indicating less than correct weight), they shall be adjusted, and no additional payment to the Contractor will be allowed for materials previously weighed and recorded.

All costs in connection with furnishing, installing, certifying, testing, and maintaining scales; for furnishing check weights and scale house; and for all other items specified in this subsection, for the weighing of materials for proportioning or payment, shall be included in the unit contract prices for the various items of the project.

When the estimated quantities for a specific portion of the work are designated as the pay quantities in the contract, they shall be the final quantities for which payment for such specific portion of the work will be made, unless the dimensions of said portions of the work shown on the plans are revised by the Engineer. If revised dimensions result in an increase or decrease in the quantities of such work, the final quantities for payment will be revised in the amount represented by the authorized changes in the dimensions.

90-02 SCOPE OF PAYMENT. The Contractor shall receive and accept compensation provided for in the contract as full payment for furnishing all materials, for performing all work under the contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of whatever character arising out of the nature of the work or the execution thereof, subject to the provisions of Subsection 70-18 titled NO WAIVER OF LEGAL RIGHTS of Section 70.

When the "basis of payment" subsection of a technical specification requires that the contract price (price bid) include compensation for certain work or material essential to the item, this same work or material will not also be measured for payment under any other contract item which may appear elsewhere in the contract, plans, or specifications.

90-03 COMPENSATION FOR ALTERED QUANTITIES. When the accepted quantities of work vary from the quantities in the proposal, the Contractor shall accept as payment in full, so far as contract items are concerned, payment at the original contract price for the accepted quantities of work actually completed and accepted. No allowance, except as provided for in Subsection 40-02 titled ALTERATION OF WORK AND QUANTITIES of Section 40 will be made for any increased expense, loss of expected reimbursement, or loss of anticipated profits suffered or claimed by the Contractor which results directly from such alterations or indirectly from his or her unbalanced allocation of overhead and profit among the contract items, or from any other cause.

90-04 PAYMENT FOR OMITTED ITEMS. As specified in Subsection 40-03 titled OMITTED ITEMS of Section 40, the Engineer shall have the right to omit from the work (order nonperformance) any contract item, except major contract items, in the best interest of the Owner.

Should the Engineer omit or order nonperformance of a contract item or portion of such item from the work, the Contractor shall accept payment in full at the contract prices for any work actually completed and acceptable prior to the Engineer's order to omit or non-perform such contract item.

Acceptable materials ordered by the Contractor or delivered on the work prior to the date of the Engineer's order will be paid for at the actual cost to the Contractor and shall thereupon become the property of the Owner.

In addition to the reimbursement hereinbefore provided, the Contractor shall be reimbursed for all actual costs incurred for the purpose of performing the omitted contract item prior to the date of the Engineer's order. Such additional costs incurred by the Contractor must be directly related to the deleted contract item and shall be supported by certified statements by the Contractor as to the nature and amount of such costs.

90-05 PAYMENT FOR EXTRA WORK. Extra work, performed in accordance with the subsection titled EXTRA WORK of Section 40, will be paid for at the contract prices or agreed prices specified in the change order or supplemental agreement authorizing the extra work.

90-06 PARTIAL PAYMENTS. Partial payments will be made to the Contractor at least once each month as the work progresses. Said payments will be based upon estimates, prepared by the Engineer, of the value of the work performed and materials complete and in place in accordance with the contract, plans, and specifications. Such partial payments may also include the delivered actual cost of those materials stockpiled and stored in accordance with the subsection 90-07 titled PAYMENT FOR MATERIALS ON HAND of this section. No partial payment will be made when the amount due the Contractor since the last estimate amounts to less than five hundred dollars.

The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment. The Owner must ensure prompt and full payment of retainage from the prime Contractor to the subcontractor within 30 days after the subcontractor’s work is satisfactorily completed. A subcontractor’s work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented as required by the Owner. When the Owner has made an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.

From the total of the amount determined to be payable on a partial payment, 5 percent of such total amount will be deducted and retained by the Owner until the final payment is made, except as may be provided (at the Contractor's option) in the subsection 90-08 titled PAYMENT OF WITHHELD FUNDS of this section. The balance of the amount payable, less all previous payments, shall be certified for payment. Should the Contractor exercise his or her option, as provided in the subsection 90-08 titled PAYMENT OF WITHHELD FUNDS of this section, no such percent retainage shall be deducted.

When at least 95% of the work has been completed, the Engineer shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done.

The Owner may retain an amount not less than twice the contract value or estimated cost, whichever is greater, of the work remaining to be done. The remainder, less all previous payments and deductions, will then be certified for payment to the Contractor.

It is understood and agreed that the Contractor shall not be entitled to demand or receive partial payment based on quantities of work in excess of those provided in the proposal or covered by approved change orders or supplemental agreements, except when such excess quantities have been determined by the Engineer to be a part of the final quantity for the item of work in question.

No partial payment shall bind the Owner to the acceptance of any materials or work in place as to quality or quantity. All partial payments are subject to correction at the time of final payment as provided in Subsection 90-09 titled ACCEPTANCE AND FINAL PAYMENT of this section.

The Contractor shall deliver to the Owner a complete release of all claims for labor and material arising out of this contract before the final payment is made. If any subcontractor or supplier fails to furnish such a release in full, the Contractor may furnish a bond or other collateral satisfactory to the Owner to indemnify the Owner against any potential lien or other such claim. The bond or collateral shall include all costs, expenses, and attorney fees the Owner may be compelled to pay in discharging any such lien or claim.

90-07 PAYMENT FOR MATERIALS ON HAND. Partial payments may be made to the extent of the delivered cost of materials to be incorporated in the work, provided that such materials meet the requirements of the contract, plans, and specifications and are delivered to acceptable sites on the airport property or at other sites in the vicinity that are acceptable to the Owner. Such delivered costs of stored or stockpiled materials may be included in the next partial payment after the following conditions are met:

(a) The material has been stored or stockpiled in a manner acceptable to the Engineer at or on an approved site.

(b) The Contractor has furnished the Engineer with acceptable evidence of the quantity and quality of such stored or stockpiled materials.

(c) The Contractor has furnished the Engineer with satisfactory evidence that the material and transportation costs have been paid.

(d) The Contractor has furnished the Owner legal title (free of liens or encumbrances of any kind) to the material so stored or stockpiled.

(e) The Contractor has furnished the Owner evidence that the material so stored or stockpiled is insured against loss by damage to or disappearance of such materials at anytime prior to use in the work.

It is understood and agreed that the transfer of title and the Owner's payment for such stored or stockpiled materials shall in no way relieve the Contractor of his or her responsibility for furnishing and placing such materials in accordance with the requirements of the contract, plans, and specifications.

In no case will the amount of partial payments for materials on hand exceed the contract price for such materials or the contract price for the contract item in which the material is intended to be used.

No partial payment will be made for stored or stockpiled living or perishable plant materials.

The Contractor shall bear all costs associated with the partial payment of stored or stockpiled materials in accordance with the provisions of this subsection.

90-08 PAYMENT OF WITHHELD FUNDS. At the Contractor's option, if an Owner withholds retainage in accordance with the methods described in subsection 90-06 PARTIAL PAYMENTS, the Contractor may request that the Owner deposit the retainage into an escrow account. The Owner's deposit of retainage into an escrow account is subject to the following conditions:

a. The Contractor shall bear all expenses of establishing and maintaining an escrow account and escrow agreement acceptable to the Owner.

b. The Contractor shall deposit to and maintain in such escrow only those securities or bank certificates of deposit as are acceptable to the Owner and having a value not less than the retainage that would otherwise be withheld from partial payment.

c. The Contractor shall enter into an escrow agreement satisfactory to the Owner.

d. The Contractor shall obtain the written consent of the surety to such agreement.

90-09 ACCEPTANCE AND FINAL PAYMENT. When the contract work has been accepted in accordance with the requirements of Subsection 50-15 titled FINAL ACCEPTANCE of Section 50, the Engineer will prepare the final estimate of the items of work actually performed. The Contractor shall approve the Engineer's final estimate or advise the Engineer of the Contractor's objections to the final estimate which are based on disputes in measurements or computations of the final quantities to be paid under the contract as amended by change order or supplemental agreement. The Contractor and the Engineer shall resolve all disputes (if any) in the measurement and computation of final quantities to be paid within 30 calendar days of the Contractor's receipt of the Engineer's final estimate. If, after such 30-day period, a dispute still exists, the Contractor may approve the Engineer's

estimate under protest of the quantities in dispute, and such disputed quantities shall be considered by the Owner as a claim in accordance with Subsection 50-16 titled CLAIMS FOR ADJUSTMENT AND DISPUTES of Section 50.

After the Contractor has approved, or approved under protest, the Engineer's final estimate, and after the Engineer's receipt of the project closeout documentation required in subsection 90-11 PROJECT CLOSEOUT, final payment will be processed based on the entire sum, or the undisputed sum in case of approval under protest, determined to be due the Contractor less all previous payments and all amounts to be deducted under the provisions of the contract. All prior partial estimates and payment shall be subject to correction in the final estimate and payment.

If the Contractor has filed a claim for additional compensation under the provisions of Subsection 50-16 titled CLAIMS FOR ADJUSTMENTS AND DISPUTES of Section 50 or under the provisions of this subsection, such claims will be considered by the Owner in accordance with local laws or ordinances. Upon final adjudication of such claims, any additional payment determined to be due the Contractor will be paid pursuant to a supplemental final estimate.

90-10 CONSTRUCTION WARRANTY.

(a) In addition to any other warranties in this contract, the Contractor warrants that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, workmanship, or design furnished, or performed by the Contractor or any subcontractor or supplier at any tier.

(b) This warranty shall continue for a period of 1 year from the date of final acceptance of the work. If the Owner takes possession of any part of the work before final acceptance, this warranty shall continue for a period of 1 year from the date the Owner takes possession. However, this will not relieve the Contractor from corrective items required by the final acceptance of the project work.

(c) The Contractor shall remedy at the Contractor's expense any failure to conform, or any defect. In addition, the Contractor shall remedy at the Contractor's expense any damage to Owner real or personal property, when that damage is the result of:

(1) The Contractor's failure to conform to contract requirements; or

(2) Any defect of equipment, material, workmanship, or design furnished by the Contractor.

(d) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for 1 year from the date of repair or replacement.

(e) The Owner will notify the Contractor, in writing, within seven (7) days after the discovery of any failure, defect, or damage.

(f) If the Contractor fails to remedy any failure, defect, or damage within 14 days after receipt of notice, the Owner shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

(g) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall: (1) Obtain all warranties that would be given in normal commercial practice; (2) Require all warranties to be executed, in writing, for the benefit of the owner, as directed by the owner, and (3) Enforce all warranties for the benefit of the owner.

(h) This warranty shall not limit the Owner's rights with respect to latent defects, gross mistakes, or fraud.

90-11 PROJECT CLOSEOUT. Approval of final payment to the Contractor is contingent upon completion and submittal of the following items. The final payment will not be approved until the engineer approves the Contractor's final submittal. The Contractor shall:

(a) Provide two (2) copies of all manufacturers warranties specified for materials, equipment, and installations.

(b) Provide weekly payroll records (not previously received) from the general contractor and all subcontractors.

(c) Complete final clean up in accordance with subsection 40-08, Final Cleanup.

(d) Complete all punch list items identified during the Final Inspection.

(e) Provide complete release of all claims for labor and material arising out of the Contract.

(f) Provide a certified statement signed by the subcontractor, indicating actual amounts paid to the Disadvantaged Business Enterprise (DBE) subcontractors and/or suppliers associated with the project.

(g) When applicable per state requirements, return copies of sales tax completion forms.

(h) Manufacturer's certifications for all items incorporated in the work.

(i) All required record drawings, as built drawings or as constructed drawings.

(j) Project Operation and Maintenance (O & M) Manual.

(k) Security for Construction Warranty

(l) Equipment commissioning documentation submitted, if required.

(m) All Quality Control Reports. A separate summary of all test data shall be prepared for each material tested and shall include all test data, including failed tests and what corrective action was taken and retests to confirm final acceptance as specified in Section 100 of the specifications. All required record drawings, as-built drawings or as-constructed drawings

SECTION 100. CONTRACTOR QUALITY CONTROL PROGRAM.

100-01 GENERAL. When the specification requires a Contractor Quality Control Program, the Contractor shall establish, provide, and maintain an effective Quality Control Program that details the methods and procedures that will be taken to assure that all materials and completed construction required by this contract conform to contract plans, technical specifications and other requirements, whether manufactured by the Contractor, or procured from subcontractors or vendors. Although guidelines are established and certain minimum requirements are specified herein and elsewhere in the contract technical specifications, the Contractor shall assume full responsibility for accomplishing the stated purpose.

The intent of this section is to enable the Contractor to establish a necessary level of control that will:

a. Adequately provide for the production of acceptable quality materials.

b. Provide sufficient information to assure both the Contractor and the Engineer that the specification requirements can be met.

c. Allow the Contractor as much latitude as possible to develop his or her own standard of control.

The Contractor shall be prepared to discuss and present, at the preconstruction conference, his/her understanding of the quality control requirements. The Contractor shall not begin any construction or production of materials to be incorporated into the completed work until the Quality Control Program has been reviewed by the Engineer. No partial payment will be made for materials subject to specific quality control requirements until the Quality Control Program has been reviewed.

The quality control requirements contained in this section and elsewhere in the contract technical specifications are in addition to and separate from the acceptance testing requirements. Acceptance testing requirements are the responsibility of the Engineer.

Paving projects over $250,000 shall have a Quality Control (QC)/Quality Assurance (QA) workshop with the Engineer, contractor, subcontractors, testing laboratories, and Owner's representative and the FAA prior to or at start of construction. The workshop shall address QC and QA requirements of the project specifications. The Contractor shall coordinate with the Airport and the Engineer on time and location of the QC/QA workshop.

100-02 DESCRIPTION OF PROGRAM.

a. General Description. The Contractor shall establish a Quality Control Program to perform inspection and testing of all items of work required by the technical specifications, including those performed by subcontractors. This Quality Control Program shall ensure conformance to applicable specifications and plans with respect to materials, workmanship, construction, finish, and functional performance. The Quality Control Program shall be effective for control of all construction work performed under this Contract and shall specifically include surveillance and tests required by the

technical specifications, in addition to other requirements of this section and any other activities deemed necessary by the Contractor to establish an effective level of quality control.

b. Quality Control Program. The Contractor shall describe the Quality Control Program in a written document that shall be reviewed by the Engineer prior to the start of any production, construction, or off-site fabrication. The written Quality Control Program shall be submitted to the Engineer for review at least 7 calendar days before the start of operations. The Contractor's Quality Control Plan and Quality Control testing laboratory must be approved in writing by the Engineer prior to the Notice to Proceed (NTP).

The Quality Control Program shall be organized to address, as a minimum, the following items:

a. Quality control organization;

b. Project progress schedule;

c. Submittals schedule;

d. Inspection requirements;

e. Quality control testing plan;

f. Documentation of quality control activities; and

g. Requirements for corrective action when quality control and/or acceptance criteria are not met.

The Contractor is encouraged to add any additional elements to the Quality Control Program that he/she deems necessary to adequately control all production and/or construction processes required by this contract.

100-03 QUALITY CONTROL ORGANIZATION. The Contractor's Quality Control Program shall be implemented by the establishment of a separate quality control organization. An organizational chart shall be developed to show all quality control personnel and how these personnel integrate with other management/production and construction functions and personnel.

The organizational chart shall identify all quality control staff by name and function, and shall indicate the total staff required to implement all elements of the Quality Control Program, including inspection and testing for each item of work. If necessary, different technicians can be utilized for specific inspection and testing for different items of work. If an outside organization or independent testing laboratory is used for implementation of all or part of the Quality Control Program, the personnel assigned shall be subject to the qualification requirements of paragraph 100-03a and 100-3b. The organizational chart shall indicate which personnel are Contractor employees and which are provided by an outside organization.

The quality control organization shall consist of the following minimum personnel:

a. Program Administrator. The Program Administrator shall be a full-time employee of the Contractor, or a consultant engaged by the Contractor. The Program Administrator shall have a minimum of 5 years experience in airport and/or highway construction and shall have had prior quality control experience on a project of comparable size and scope as the contract.

Additional qualifications for the Program Administrator shall include at least 1 of the following requirements:

(1) Professional engineer with 1 year of airport paving experience.

(2) Engineer-in-training with 2 years of airport paving experience.

(3) An individual with 3 years of highway and/or airport paving experience acceptable to the Engineer, with a Bachelor of Science Degree in Civil Engineering, Civil Engineering Technology or Construction.

(4) Construction Materials Technician certified at Level III by the National Institute for Certification in Engineering Technologies (NICET).

(5) Highway Materials Technician certified at Level III by NICET.

(6) Highway Construction Technician certified at Level III by NICET.

(7) A NICET certified Engineering Technician in Civil Engineering Technology with 5 years of highway and/or airport paving experience.

The Program Administrator shall have full authority to institute any and all actions necessary for the successful implementation of the Quality Control Program to ensure compliance with the contract plans and technical specifications. The Program Administrator shall report directly to a responsible officer of the construction firm. The Program Administrator may supervise the Quality Control Program on more than one project provided that person can be at the job site within 2 hours after being notified of a problem.

b. Quality Control Technicians. A sufficient number of quality control technicians necessary to adequately implement the Quality Control Program shall be provided. These personnel shall be either engineers, engineering technicians, or experienced craftsmen with qualifications in the appropriate field equivalent to NICET Level II or higher construction materials technician or highway construction technician and shall have a minimum of 2 years of experience in their area of expertise.

The quality control technicians shall report directly to the Program Administrator and shall perform the following functions:

(1) Inspection of all materials, construction, plant, and equipment for conformance to the technical specifications, and as required by Section 100-06.

(2) Performance of all quality control tests as required by the technical specifications and Section 100-07.

(3) Performance of density tests for the Engineer when required by the technical specifications

Certification at an equivalent level, by a state or nationally recognized organization will be acceptable in lieu of NICET certification.

c. Staffing Levels. The Contractor shall provide sufficient qualified quality control personnel to monitor each work activity at all times. Where material is being produced in a plant for incorporation into the work, separate plant and field technicians shall be provided at each plant and field placement location. The scheduling and coordinating of all inspection and testing must match the type and pace of work activity. The Quality Control Program shall state where different technicians will be required for different work elements.

100-04 PROJECT PROGRESS SCHEDULE. The Contractor shall submit a coordinated construction schedule for all work activities. The schedule shall be prepared as a network diagram in Critical Path Method (CPM), PERT, or other format, or as otherwise specified in the contract. As a minimum, it shall provide information on the sequence of work activities, milestone dates, and activity duration.

The Contractor shall maintain the work schedule and provide an update and analysis of the progress schedule on a twice monthly basis, or as otherwise specified in the contract. Submission of the work schedule shall not relieve the Contractor of overall responsibility for scheduling, sequencing, and coordinating all work to comply with the requirements of the contract.

100-05 SUBMITTAL SCHEDULE. The Contractor shall submit a detailed listing of all submittals (e.g., mix designs, material certifications) and shop drawings required by the technical specifications. The listing can be developed in a spreadsheet format and shall include:

a. Specification item number;

b. Item description;

c. Description of submittal;

d. Specification paragraph requiring submittal; and

e. Scheduled date of submittal.

100-06 INSPECTION REQUIREMENTS. Quality control inspection functions shall be organized to provide inspections for all definable features of work, as detailed below. All inspections shall be documented by the Contractor as specified by Section 100-07.

Inspections shall be performed daily to ensure continuing compliance with contract requirements until completion of the particular feature work. These shall include the following minimum requirements:

a. During plant operation for material production, quality control test results and periodic inspections shall be utilized to ensure the quality of aggregates and other mix components, and to adjust and control mix proportioning to meet the approved mix design and other requirements of the technical specifications. All equipment used in proportioning and mixing shall be inspected to ensure its proper operating condition. The Quality Control Program shall detail how these and other quality control functions will be accomplished and utilized.

b. During field operations, quality control test results and periodic inspections shall be utilized to ensure the quality of all materials and workmanship. All equipment utilized in placing, finishing, and compacting shall be inspected to ensure its proper operating condition and to ensure that all such operations are in conformance to the technical specifications and are within the plan dimensions, lines, grades, and tolerances specified. The Program shall document how these and other quality control functions will be accomplished and used.

100-07 QUALITY CONTROL TESTING PLAN. As a part of the overall Quality Control Program, the Contractor shall implement a quality control testing plan, as required by the technical specifications. The testing plan shall include the minimum tests and test frequencies required by each technical specification item, as well as any additional quality control tests that the Contractor deems necessary to adequately control production and/or construction processes.

The testing plan can be developed in a spreadsheet fashion and shall, as a minimum, include the following:

a. Specification item number (e.g., P-401);

b. Item description (e.g., Plant Mix Bituminous Pavements);

c. Test type (e.g., gradation, grade, asphalt content);

d. Test standard (e.g., ASTM or AASHTO test number, as applicable);

e. Test frequency (e.g., as required by technical specifications or minimum frequency when requirements are not stated);

f. Responsibility (e.g., plant technician); and

g. Control requirements (e.g., target, permissible deviations).

The testing plan shall contain a statistically-based procedure of random sampling for acquiring test samples in accordance with ASTM D 3665. The Engineer shall be provided the opportunity to witness quality control sampling and testing.

All quality control test results shall be documented by the Contractor as required by Section 100-08.

100-08 DOCUMENTATION. The Contractor shall maintain current quality control records of all inspections and tests performed. These records shall include factual evidence that the required inspections or tests have been performed, including type and number of inspections or tests involved; results of inspections or tests; nature of defects, deviations, causes for rejection, etc.; proposed remedial action; and corrective actions taken.

These records must cover both conforming and defective or deficient features, and must include a statement that all supplies and materials incorporated in the work are in full compliance with the terms of the contract. Legible copies of these records shall be furnished to the Engineer daily. The records shall cover all work placed subsequent to the previously furnished records and shall be verified and signed by the Contractor's Program Administrator.

Specific Contractor quality control records required for the contract shall include, but are not necessarily limited to, the following records:

a. Daily Inspection Reports. Each Contractor quality control technician shall maintain a daily log of all inspections performed for both Contractor and subcontractor operations on a form acceptable to the Engineer. These technician's daily reports shall provide factual evidence that continuous quality control inspections have been performed and shall, as a minimum, include the following:

(1) Technical specification item number and description;

(2) Compliance with approved submittals;

(3) Proper storage of materials and equipment;

(4) Proper operation of all equipment;

(5) Adherence to plans and technical specifications;

(6) Review of quality control tests; and

(7) Safety inspection.

The daily inspection reports shall identify inspections conducted, results of inspections, location and nature of defects found, causes for rejection, and remedial or corrective actions taken or proposed.

The daily inspection reports shall be signed by the responsible quality control technician and the Program Administrator. The Engineer shall be provided at least one copy of each daily inspection report on the work day following the day of record.

b. Daily Test Reports. The Contractor shall be responsible for establishing a system which will record all quality control test results. Daily test reports shall document the following information:

(1) Technical specification item number and description;

(2) Test designation;

(3) Location;

(4) Date of test;

(5) Control requirements;

(6) Test results;

(7) Causes for rejection;

(8) Recommended remedial actions; and

(9) Retests.

Test results from each day's work period shall be submitted to the Engineer prior to the start of the next day's work period. When required by the technical specifications, the Contractor shall maintain statistical quality control charts. The daily test reports shall be signed by the responsible quality control technician and the Program Administrator.

100-09 CORRECTIVE ACTION REQUIREMENTS. The Quality Control Program shall indicate the appropriate action to be taken when a process is deemed, or believed, to be out of control (out of tolerance) and detail what action will be taken to bring the process into control. The requirements for corrective action shall include both general requirements for operation of the Quality Control Program as a whole, and for individual items of work contained in the technical specifications.

The Quality Control Program shall detail how the results of quality control inspections and tests will be used for determining the need for corrective action and shall contain clear sets of rules to gauge when a process is out of control and the type of correction to be taken to regain process control.

When applicable or required by the technical specifications, the Contractor shall establish and utilize statistical quality control charts for individual quality control tests. The requirements for corrective action shall be linked to the control charts.

100-10 SURVEILLANCE BY THE ENGINEER. All items of material and equipment shall be subject to surveillance by the Engineer at the point of production, manufacture or shipment to determine if the Contractor, producer, manufacturer or shipper maintains an adequate quality control system in conformance with the requirements detailed herein and the applicable technical

specifications and plans. In addition, all items of materials, equipment and work in place shall be subject to surveillance by the Engineer at the site for the same purpose.

Surveillance by the Engineer does not relieve the Contractor of performing quality control inspections of either on-site or off-site Contractor's or subcontractor's work.

100-11 NONCOMPLIANCE.

a. The Engineer will notify the Contractor of any noncompliance with any of the foregoing requirements. The Contractor shall, after receipt of such notice, immediately take corrective action. Any notice, when delivered by the Engineer or his or her authorized representative to the Contractor or his or her authorized representative at the site of the work, shall be considered sufficient notice.

b. In cases where quality control activities do not comply with either the Contractor's Quality Control Program or the contract provisions, or where the Contractor fails to properly operate and maintain an effective Quality Control Program, as determined by the Engineer, the Engineer may:

(1) Order the Contractor to replace ineffective or unqualified quality control personnel or subcontractors.

(2) Order the Contractor to stop operations until appropriate corrective action is taken.

SECTION 105. MOBILIZATION

105-1 DESCRIPTION. This item shall consist of work and operations, but is not limited to, work and operations necessary for the movement of personnel, equipment, material and supplies to and from the project site for work on the project except as provided in the contract as separate pay items.

105-1.1 POSTED NOTICES. Prior to commencement of construction activities the Contractor must post the following documents in a prominent and accessible place where they may be easily viewed by all employees of the prime Contractor and by all employees of subcontractors engaged by the prime Contractor:

- Equal Employment Opportunity (EEO) Poster "Equal Employment Opportunity is the Law" in accordance with the Office of Federal Contract Compliance Programs Executive Order 11246, as amended;
- Davis Bacon Wage Poster (WH 1321) - DOL "Notice to All Employees" Poster; and
- Applicable Davis-Bacon Wage Rate Determination.
- All posters and notices required by the State of California.

These notices must remain posted until final acceptance of the work by the Owner.

105-2 BASIS OF MEASUREMENT AND PAYMENT. Based upon the contract lump sum price for "Mobilization" partial payments will be allowed as follows:

a. With first pay request, 25%.

b. When 25% or more of the original contract is earned, an additional 25%.

c. When 50% or more of the original contract is earned, an additional 40%.

d. After Final Inspection, Staging area clean-up and delivery of all Project Closeout materials as required by 90-11, the final 10%.

SECTION 110. METHOD OF ESTIMATING PERCENTAGE OF MATERIAL WITHIN SPECIFICATION LIMITS (PWL)

110-01 GENERAL. When the specifications provide for acceptance of material based on the method of estimating percentage of material within specification limits (PWL), the PWL will be determined in accordance with this section. All test results for a lot will be analyzed statistically to determine the total estimated percent of the lot that is within specification limits. The PWL is computed using the sample average (X) and sample standard deviation (Sn) of the specified number (n) of sublots for the lot and the specification tolerance limits, L for lower and U for upper, for the particular acceptance parameter. From these values, the respective Quality index, QL for Lower Quality Index and/or QU for Upper Quality Index, is computed and the PWL for the lot for the specified n is determined from Table 1. All specification limits specified in the technical sections shall be absolute values. Test results used in the calculations shall be to the significant figure given in the test procedure.

There is some degree of uncertainty (risk) in the measurement for acceptance because only a small fraction of production material (the population) is sampled and tested. This uncertainty exists because all portions of the production material have the same probability to be randomly sampled. The Contractor's risk is the probability that material produced at the acceptable quality level is rejected or subjected to a pay adjustment. The Owner's risk is the probability that material produced at the rejectable quality level is accepted.

IT IS THE INTENT OF THIS SECTION TO INFORM THE CONTRACTOR THAT, IN ORDER TO CONSISTENTLY OFFSET THE CONTRACTOR'S RISK FOR MATERIAL EVALUATED, PRODUCTION QUALITY (USING POPULATION AVERAGE AND POPULATION STANDARD DEVIATION) MUST BE MAINTAINED AT THE ACCEPTABLE QUALITY SPECIFIED OR HIGHER. IN ALL CASES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE AT QUALITY LEVELS THAT WILL MEET THE SPECIFIED ACCEPTANCE CRITERIA WHEN SAMPLED AND TESTED AT THE FREQUENCIES SPECIFIED.

110-02 METHOD FOR COMPUTING PWL. The computational sequence for computing the PWL is as follows:

a. Divide the lot into n sublots in accordance with the acceptance requirements of the specification.

b. Locate the random sampling position within the sublot in accordance with the requirements of the specification.

c. Make a measurement at each location, or take a test portion and make the measurement on the test portion in accordance with the testing requirements of the specification.

d. Find the sample average (X) for all sublot values within the lot by using the following formula:

$$X = (x_1 + x_2 + x_3 + \ldots x_n) / n$$

Where:

X = Average of all sublot values within a lot
x_1, x_2 = Individual sublot values
n = Number of sublots

e. Find the standard deviation S_n by use of the following formula:

$$S_n = [(d_1^2 + d_2^2 + d_3^2 + \ldots d_n^2) / n-1]^{1/2}$$

Where:

S_n = standard deviation of the number of sub-lot values in the set

d_1, d_2 = deviations of the individual sub-lot values X_1, X_2 . . . from the average value X that is $d_1 = (x_1 - X)$, $d_2 = (x_2 - X)$ . . $d_n = (x_n - X)$

n = number of sub-lots

f. For **single sided specification limits (that is, L only)**, compute the Lower Quality Index Q_L by use of the following formula.

$$Q_L = (X - L) / S_n$$

Where:

L = specification lower tolerance limit

Estimate the percentage of material within limits (PWL) by entering Table 1 with Q_L, using the column appropriate to the total number (n) of measurements. If the value of Q_L falls between values shown on the table, use the next higher value of PWL.

g. For **double sided specification limits (that is, L and U),** compute the Quality Indexes Q_L and Q_U by use of the following formulas:

$$Q_L = (X - L) / S_n \quad \text{and} \quad Q_U = (U - X) / S_n$$

Where:

L and U = specification lower and upper tolerance limits

Estimate the percentage of material between the lower (L) and upper (U) tolerance limits (PWL) by entering Table 1 separately with Q_L and Q_U, using the column appropriate to the total number (n) measurements, and determining the percent of material above P_L and percent of material below P_U for each tolerance limit. If the values of Q_L fall between values shown on the table, use the next higher value of P_L or P_U. Determine the PWL by use of the following formula:

$$PWL = (P_U + P_L) - 100$$

Where:

P_L = percent within lower specification limit
P_U = percent within upper specification limit

EXAMPLE OF PWL CALCULATION

Project: Example Project
Test Item: Item P-401, Lot A.

A. PWL Determination for Mat Density

1. Density of four random cores taken from Lot A.

A-1 96.60
A-2 97.55
A-3 99.30
A-4 98.35

n = 4

2. Calculate average density for the lot.

$X = (x_1 + x_2 + x_3 + . . x_n) / n$

$X = (96.60 + 97.55 + 99.30 + 98.35) / 4$

$X = 97.95$ percent density

3. Calculate the standard deviation for the lot.

$S_n = [(96.60-97.95)^2+(97.55-97.95)^2+(99.30-97.95)^2+(98.35-97.95)^2)/4-1]^{1/2}$

$S_n = [(1.82 + 0.16 + 1.82 + 0.16) / 3]^{1/2}$

$S_n = 1.15$

4. Calculate the Lower Quality Index Q_L for the lot. (L=96.3)

$Q_L = (X - L) / S_n$

$Q_L = (97.95-96.30) / 1.15$

$Q_L = 1.4348$

5. Determine PWL by entering Table 1 with $Q_L = 1.44$ and $n = 4$.

PWL = 98

B. PWL Determination for Air Voids.

1. Air Voids of four random samples taken from Lot A.

A-1	5.00
A-2	3.74
A-3	2.30
A-4	3.25

2. Calculate the average air voids for the lot.

$X = (x_1 + x_2 + x_3. . n) / n$

$X = (5.00 + 3.74 + 2.30 + 3.25) / 4$

$X = 3.57$ percent

3. Calculate the standard deviation S_n for the lot.

$S_n = [(3.57-5.00)^2 + (3.57-3.74)^2 + (3.57-2.30)^2 + (3.57-3.25)^2 / 4-1)]^{1/2}$

$S_n = [(2.04 + 0.03 + 1.62 + 0.10) / 3]^{1/2}$

$S_n = 1.12$

4. Calculate the Lower Quality Index Q_L for the lot. (L=2.0)

$Q_L = (X - L) / S_n$

$Q_L = (3.57-2.00) / 1.12$

$Q_L = 1.3992$

5. Determine P_L by entering Table 1 with Q_L=1.40 and n=4.

$P_L = 97$

6. Calculate the Upper Quality Index Q_U for the lot. (U=5.0)

$Q_U = (U - X) / S_n$

$Q_U = (5.00 - 3.57) / 1.12$

$Q_U = 1.2702$

7. Determine P_U by entering Table 1 with $Q_U = 1.27$ and n = 4.

$P_U = 93$

8. Calculate Air Voids PWL

$PWL = (P_L + P_U) - 100$
$PWL = (97 + 93) - 100 = 90$

EXAMPLE OF OUTLIER CALCULATION (REFERENCE ASTM E178)

Project: Example Project
Test Item: Item P-401, Lot A.

A. Outlier Determination for Mat Density.

1. Density of four random cores taken from Lot A arranged in descending order.
A-3 = 99.30
A-4 = 98.35
A-2 = 97.55
A-1 = 96.60

2. Use n=4 and upper 5% significance level of to find the critical value for test criterion = 1.463.

3. Use average density, standard deviation, and test criterion value to evaluate density measurements.

a. For measurements greater than the average:
If (measurement - average)/(standard deviation) is less than test criterion, then the measurement is not considered an outlier
For A-3, check if (99.30 - 97.95) / 1.15 is greater than 1.463.
Since 1.174 is less than 1.463, the value is not an outlier.

b. For measurements less than the average:
If (average - measurement)/(standard deviation) is less than test criterion, then the measurement is not considered an outlier.

For A-1, check if (97.95 - 96.60) / 1.15 is greater than 1.463.
Since 1.435 is less than 1.463, the value is not an outlier.

Note: In this example, a measurement would be considered an outlier if the density were:
Greater than (97.95 + 1.463 × 1.15) = 99.63%
OR
less than (97.95 - 1.463 × 1.15) = 96.27%.

Table 1. Table for Estimating Percent of Lot Within Limits (PWL)

Percent Within Limits (P_L and P_U)	Positive Values of Q (Q_L and Q_U)							
	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10
99	1.1541	1.4700	1.6714	1.8008	1.8888	1.9520	1.9994	2.0362
98	1.1524	1.4400	1.6016	1.6982	1.7612	1.8053	1.8379	1.8630
97	1.1496	1.4100	1.5427	1.6181	1.6661	1.6993	1.7235	1.7420
96	1.1456	1.3800	1.4897	1.5497	1.5871	1.6127	1.6313	1.6454
95	1.1405	1.3500	1.4407	1.4887	1.5181	1.5381	1.5525	1.5635
94	1.1342	1.3200	1.3946	1.4329	1.4561	1.4716	1.4829	1.4914
93	1.1269	1.2900	1.3508	1.3810	1.3991	1.4112	1.4199	1.4265
92	1.1184	1.2600	1.3088	1.3323	1.3461	1.3554	1.3620	1.3670
91	1.1089	1.2300	1.2683	1.2860	1.2964	1.3032	1.3081	1.3118
90	1.0982	1.2000	1.2290	1.2419	1.2492	1.2541	1.2576	1.2602
89	1.0864	1.1700	1.1909	1.1995	1.2043	1.2075	1.2098	1.2115
88	1.0736	1.1400	1.1537	1.1587	1.1613	1.1630	1.1643	1.1653
87	1.0597	1.1100	1.1173	1.1191	1.1199	1.1204	1.1208	1.1212
86	1.0448	1.0800	1.0817	1.0808	1.0800	1.0794	1.0791	1.0789
85	1.0288	1.0500	1.0467	1.0435	1.0413	1.0399	1.0389	1.0382
84	1.0119	1.0200	1.0124	1.0071	1.0037	1.0015	1.0000	0.9990
83	0.9939	0.9900	0.9785	0.9715	0.9672	0.9643	0.9624	0.9610
82	0.9749	0.9600	0.9452	0.9367	0.9325	0.9281	0.9258	0.9241
81	0.9550	0.9300	0.9123	0.9025	0.8966	0.8928	0.8901	0.8882
80	0.9342	0.9000	0.8799	0.8690	0.8625	0.8583	0.8554	0.8533
79	0.9124	0.8700	0.8478	0.8360	0.8291	0.8245	0.8214	0.8192
78	0.8897	0.8400	0.8160	0.8036	0.7962	0.7915	0.7882	0.7858
77	0.8662	0.8100	0.7846	0.7716	0.7640	0.7590	0.7556	0.7531
76	0.8417	0.7800	0.7535	0.7401	0.7322	0.7271	0.7236	0.7211
75	0.8165	0.7500	0.7226	0.7089	0.7009	0.6958	0.6922	0.6896
74	0.7904	0.7200	0.6921	0.6781	0.6701	0.6649	0.6613	0.6587
73	0.7636	0.6900	0.6617	0.6477	0.6396	0.6344	0.6308	0.6282
72	0.7360	0.6600	0.6316	0.6176	0.6095	0.6044	0.6008	0.5982
71	0.7077	0.6300	0.6016	0.5878	0.5798	0.5747	0.5712	0.5686
70	0.6787	0.6000	0.5719	0.5583	0.5504	0.5454	0.5419	0.5394
69	0.6490	0.5700	0.5423	0.5290	0.5213	0.5164	0.5130	0.5105
68	0.6187	0.5400	0.5129	0.4999	0.4924	0.4877	0.4844	0.4820
67	0.5878	0.5100	0.4836	0.4710	0.4638	0.4592	0.4560	0.4537
66	0.5563	0.4800	0.4545	0.4424	0.4354	0.4310	0.4280	0.4257
65	0.5242	0.4500	0.4255	0.4139	0.4073	0.4031	0.4001	0.3980
64	0.4916	0.4200	0.3967	0.3856	0.3793	0.3753	0.3725	0.3705
63	0.4586	0.3900	0.3679	0.3575	0.3515	0.3477	0.3451	0.3432
62	0.4251	0.3600	0.3392	0.3295	0.3239	0.3203	0.3179	0.3161
61	0.3911	0.3300	0.3107	0.3016	0.2964	0.2931	0.2908	0.2892
60	0.3568	0.3000	0.2822	0.2738	0.2691	0.2660	0.2639	0.2624
59	0.3222	0.2700	0.2537	0.2461	0.2418	0.2391	0.2372	0.2358

Table 1. Table for Estimating Percent of Lot Within Limits (PWL)

Percent Within Limits (P_L and P_U)	Positive Values of Q (Q_L and Q_U)							
	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10
58	0.2872	0.2400	0.2254	0.2186	0.2147	0.2122	0.2105	0.2093
57	0.2519	0.2100	0.1971	0.1911	0.1877	0.1855	0.1840	0.1829
56	0.2164	0.1800	0.1688	0.1636	0.1613	0.1592	0.1575	0.1566
55	0.1806	0.1500	0.1408	0.1363	0.1338	0.1322	0.1312	0.1304
54	0.1447	0.1200	0.1125	0.1090	0.1070	0.1057	0.1049	0.1042
53	0.1087	0.0900	0.0843	0.0817	0.0802	0.0792	0.0786	0.0781
52	0.0725	0.0600	0.0562	0.0544	0.0534	0.0528	0.0524	0.0521
51	0.0363	0.0300	0.0281	0.0272	0.0267	0.0264	0.0262	0.0260
50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49	-0.0363	-0.0300	-0.0281	-0.0272	-0.0267	-0.0264	-0.0262	-0.0260
48	-0.0725	-0.0600	-0.0562	-0.0544	-0.0534	-0.0528	-0.0524	-0.0521
47	-0.1087	-0.0900	-0.0843	-0.0817	-0.0802	-0.0792	-0.0786	-0.0781
46	-0.1447	-0.1200	-0.1125	-0.1090	-0.1070	-0.1057	-0.1049	-0.1042
45	-0.1806	-0.1500	-0.1408	-0.1363	-0.1338	-0.1322	-0.1312	-0.1304
44	-0.2164	-0.1800	-0.1688	-0.1636	-0.1607	-0.1592	-0.1575	-0.1566
43	-0.2519	-0.2100	-0.1971	-0.1911	-0.1877	-0.1855	-0.1840	-0.1829
42	-0.2872	-0.2400	-0.2254	-0.2186	-0.2147	-0.2122	-0.2105	-0.2093
41	-0.3222	-0.2700	-0.2537	-0.2461	-0.2418	-0.2391	-0.2372	-0.2358
40	-0.3568	-0.3000	-0.2822	-0.2738	-0.2691	-0.2660	-0.2639	-0.2624
39	-0.3911	-0.3300	-0.3107	-0.3016	-0.2964	-0.2931	-0.2908	-0.2892
38	-0.4251	-0.3600	-0.3392	-0.3295	-0.3239	-0.3203	-0.3179	-0.3161
37	-0.4586	-0.3900	-0.3679	-0.3575	-0.3515	-0.3477	-0.3451	-0.3432
36	-0.4916	-0.4200	-0.3967	-0.3856	-0.3793	-0.3753	-0.3725	-0.3705
35	-0.5242	-0.4500	-0.4255	-0.4139	-0.4073	-0.4031	-0.4001	-0.3980
34	-0.5563	-0.4800	-0.4545	-0.4424	-0.4354	-0.4310	-0.4280	-0.4257
33	-0.5878	-0.5100	-0.4836	-0.4710	-0.4638	-0.4592	-0.4560	-0.4537
32	-0.6187	-0.5400	-0.5129	-0.4999	-0.4924	-0.4877	-0.4844	-0.4820
31	-0.6490	-0.5700	-0.5423	-0.5290	-0.5213	-0.5164	-0.5130	-0.5105
30	-0.6787	-0.6000	-0.5719	-0.5583	-0.5504	-0.5454	-0.5419	-0.5394
29	-0.7077	-0.6300	-0.6016	-0.5878	-0.5798	-0.5747	-0.5712	-0.5686
28	-0.7360	-0.6600	-0.6316	-0.6176	-0.6095	-0.6044	-0.6008	-0.5982
27	-0.7636	-0.6900	-0.6617	-0.6477	-0.6396	-0.6344	-0.6308	-0.6282
26	-0.7904	-0.7200	-0.6921	-0.6781	-0.6701	-0.6649	-0.6613	-0.6587
25	-0.8165	-0.7500	-0.7226	-0.7089	-0.7009	-0.6958	-0.6922	-0.6896
24	-0.8417	-0.7800	-0.7535	-0.7401	-0.7322	-0.7271	-0.7236	-0.7211
23	-0.8662	-0.8100	-0.7846	-0.7716	-0.7640	-0.7590	-0.7556	-0.7531
22	-0.8897	-0.8400	-0.8160	-0.8036	-0.7962	-0.7915	-0.7882	-0.7858
21	-0.9124	-0.8700	-0.8478	-0.8360	-0.8291	-0.8245	-0.8214	-0.8192
20	-0.9342	-0.9000	-0.8799	-0.8690	-0.8625	-0.8583	-0.8554	-0.8533
19	-0.9550	-0.9300	-0.9123	-0.9025	-0.8966	-0.8928	-0.8901	-0.8882
18	-0.9749	-0.9600	-0.9452	-0.9367	-0.9325	-0.9281	-0.9258	-0.9241

Table 1. Table for Estimating Percent of Lot Within Limits (PWL)

Percent Within Limits (P_L and P_U)	Positive Values of Q (Q_L and Q_U)							
	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10
17	-0.9939	-0.9900	-0.9785	-0.9715	-0.9672	-0.9643	-0.9624	-0.9610
16	-1.0119	-1.0200	-1.0124	-1.0071	-1.0037	-1.0015	-1.0000	-0.9990
15	-1.0288	-1.0500	-1.0467	-1.0435	-1.0413	-1.0399	-1.0389	-1.0382
14	-1.0448	-1.0800	-1.0817	-1.0808	-1.0800	-1.0794	-1.0791	-1.0789
13	-1.0597	-1.1100	-1.1173	-1.1191	-1.1199	-1.1204	-1.1208	-1.1212
12	-1.0736	-1.1400	-1.1537	-1.1587	-1.1613	-1.1630	-1.1643	-1.1653
11	-1.0864	-1.1700	-1.1909	-1.1995	-1.2043	-1.2075	-1.2098	-1.2115
10	-1.0982	-1.2000	-1.2290	-1.2419	-1.2492	-1.2541	-1.2576	-1.2602
9	-1.1089	-1.2300	-1.2683	-1.2860	-1.2964	-1.3032	-1.3081	-1.3118
8	-1.1184	-1.2600	-1.3088	-1.3323	-1.3461	-1.3554	-1.3620	-1.3670
7	-1.1269	-1.2900	-1.3508	-1.3810	-1.3991	-1.4112	-1.4199	-1.4265
6	-1.1342	-1.3200	-1.3946	-1.4329	-1.4561	-1.4716	-1.4829	-1.4914
5	-1.1405	-1.3500	-1.4407	-1.4887	-1.5181	-1.5381	-1.5525	-1.5635
4	-1.1456	-1.3800	-1.4897	-1.5497	-1.5871	-1.6127	-1.6313	-1.6454
3	-1.1496	-1.4100	-1.5427	-1.6181	-1.6661	-1.6993	-1.7235	-1.7420
2	-1.1524	-1.4400	-1.6016	-1.6982	-1.7612	-1.8053	-1.8379	-1.8630
1	-1.1541	-1.4700	-1.6714	-1.8008	-1.8888	-1.9520	-1.9994	-2.0362

**** END OF SECTION ****

PART B

DIVISION III

REQUIRED CONTRACT PROVISIONS FOR AIRPORT IMPROVEMENT PROGRAM AND FOR OBLIGATED SPONSORS

Part B
Required Contract Provisions for Airport Improvement Program and for Obligated Sponsors

CONTRACT PROVISIONS

A1 ACCESS TO RECORDS AND REPORTS

The Contractor must maintain an acceptable cost accounting system. The Contractor agrees to provide the sponsor, the Federal Aviation Administration, and the Comptroller General of the United States or any of their duly authorized representatives, access to any books, documents, papers, and records of the contractor which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Contractor agrees to maintain all books, records and reports required under this contract for a period of not less than three years after final payment is made and all pending matters are closed.

A2 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade: 24.6%

Goals for female participation in each trade: 6.9%

These goals are applicable to all of the contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees

from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this notice and in the contract resulting from this solicitation, the "covered area" is Madera, Madera County, California.

A3 BREACH OF CONTRACT TERMS

Any violation or breach of terms of this contract on the part of the contractor or its subcontractors may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement.

Owner will provide Contractor written notice that describes the nature of the breach and corrective actions the Contractor must undertake in order to avoid termination of the contract. Owner reserves the right to withhold payments to Contractor until such time the Contractor corrects the breach or the Owner elects to terminate the contract. The Owner's notice will identify a specific date by which the Contractor must correct the breach. Owner may proceed with termination of the contract if the Contractor fails to correct the breach by deadline indicated in the Owner's notice.

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

A4 BUY AMERICAN PREFERENCE

The contractor agrees to comply with 49 USC § 50101, which provides that Federal funds may not be obligated unless all steel and manufactured goods used in AIP funded projects are produced in the United States, unless the FAA has issued a waiver for the product; the product is listed as an Excepted Article, Material Or Supply in Federal Acquisition Regulation subpart 25.108; or is included in the FAA Nationwide Buy American Waivers Issued list.

A bidder or offeror must complete and submit the Buy America certification included herein with their bid or offer. The Owner will reject as nonresponsive any bid or offer that does not include a completed Certificate of Buy American Compliance.

A5 GENERAL CIVIL RIGHTS PROVISIONS

The contractor agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the contractor and subtier contractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

A6 CIVIL RIGHTS – TITLE VI ASSURANCE

Title VI Solicitation Notice:

The City of Madera, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Compliance with Nondiscrimination Requirements:

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.

4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books,

records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts And Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

    a. Withholding payments to the contractor under the contract until the contractor complies; and/or

    b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

Title VI List of Pertinent Nondiscrimination Acts and Authorities

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq*., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq*.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;

- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq*.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

A7 CLEAN AIR AND WATER POLLUTION CONTROL

Contractor agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 U.S.C. § 740-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251-1387). The Contractor agrees to report any violation to the Owner immediately upon discovery. The Owner assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Contractor must include this requirement in all subcontracts that exceeds $150,000.

A8 CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS

1. Overtime Requirements.

   No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on

such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; Liability for Unpaid Wages; Liquidated Damages.

   In the event of any violation of the clause set forth in paragraph (1) of this clause, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this clause, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this clause.

3. Withholding for Unpaid Wages and Liquidated Damages.

   The Federal Aviation Administration (FAA) or the Owner shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 2 of this clause.

4. Subcontractors.

   The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) and also a clause requiring the subcontractor to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this clause.

A9 COPELAND "ANTI-KICKBACK" ACT

Contractor must comply with the requirements of the Copeland "Anti-Kickback" Act (18 U.S.C. 874 and 40 U.S.C. 3145), as supplemented by Department of Labor regulation 29 CFR part 3. Contractor and subcontractors are prohibited from inducing, by any means, any person employed on the project to give up any part of the compensation to which the employee is entitled. The Contractor and each Subcontractor must submit to the Owner, a weekly statement on the wages paid to each employee performing on covered work during the prior week. Owner must report any violations of the Act to the Federal Aviation Administration.

A10 DAVIS-BACON REQUIREMENTS

1. Minimum Wages

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalent thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under (1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can easily be seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and

wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii) (B) or (C) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2 Withholding.

The Federal Aviation Administration or the sponsor shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic,

including any apprentice, trainee, or helper, employed or working on the site of work, all or part of the wages required by the contract, the Federal Aviation Administration may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual costs incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Federal Aviation Administration if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the Federal Aviation Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (*e.g.* , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at *http://www.dol.gov/esa/whd/forms/wh347instr.htm* or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Federal Aviation Administration if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the

case may be, for transmission to the Federal Aviation Administration, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under 29 CFR § 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR § 5.5 (a)(3)(i) and that such information is correct and complete;

(2) That each laborer and mechanic (including each helper, apprentice and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (3)(i) of this section available for inspection, copying or transcription by authorized representatives of the sponsor, the Federal Aviation Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a

bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with

the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate that is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal Employment Opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act Requirements.

   The contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.

6. Subcontracts.

   The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR Part 5.5(a)(1) through (10) and such other clauses as the Federal Aviation Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR Part 5.5.

7. Contract Termination: Debarment.

   A breach of the contract clauses in paragraph 1 through 10 of this section may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance With Davis-Bacon and Related Act Requirements.

   All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes Concerning Labor Standards.

   Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6 and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors)

and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of Eligibility.

    (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

    (ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

    (iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

A11 DEBARMENT AND SUSPENSION

CERTIFICATION OF OFFERER/BIDDER REGARDING DEBARMENT

By submitting a bid/proposal under this solicitation, the bidder or offeror certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

CERTIFICATION OF LOWER TIER CONTRACTORS REGARDING DEBARMENT

The successful bidder, by administering each lower tier subcontract that exceeds $25,000 as a "covered transaction", must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website: http://www.sam.gov
2. Collecting a certification statement similar to the Certificate Regarding Debarment and Suspension (Bidder or Offeror), above.
3. Inserting a clause or condition in the covered transaction with the lower tier contract

If the FAA later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

A12 DISADVANTAGED BUSINESS ENTERPRISE

Contract Assurance (§ 26.13) - The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

Prompt Payment (§26.29) - The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 7 days from the receipt of each

payment the prime contractor receives from City of Madera The prime contractor agrees further to return retainage payments to each subcontractor within 7 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the City of Madera. This clause applies to both DBE and non-DBE subcontractors.

A13 TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 “Text Messaging While Driving” (12/30/2009), the FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

In support of this initiative, the Owner encourages the Contractor to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Contractor must include the substance of this clause in all sub-tier contracts exceeding $3,500 and involve driving a motor vehicle in performance of work activities associated with the project.

A14 ENERGY CONSERVATION REQUIREMENTS

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to energy efficiency as contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201*et seq*).

A15 EQUAL EMPLOYEMENT OPPORTUNITY (E.E.O.)

EQUAL OPPORTUNITY CLAUSE

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identify or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance*: Provided, however*, That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS

1. As used in these specifications:

a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;

b. "Director" means Director, Office of Federal Contract Compliance Programs (OFCCP), U.S. Department of Labor, or any person to whom the Director delegates authority;

c. "Employer identification number" means the Federal social security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;

d. "Minority" includes:

(1) Black (all) persons having origins in any of the Black African racial groups not of Hispanic origin);

(2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin regardless of race);

(3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and

(4) American Indian or Alaskan native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors shall be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each contractor or subcontractor participating in an approved plan is individually required to comply with its obligations under the EEO clause and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other contractors or subcontractors toward a goal in an approved Plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in a geographical area where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement nor the failure by a union with whom the contractor has a collective bargaining agreement to refer either minorities or women shall excuse

the contractor's obligations under these specifications, Executive Order 11246 or the regulations promulgated pursuant thereto.

6. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees shall be employed by the contractor during the training period and the contractor shall have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees shall be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The contractor shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the contractor's employees are assigned to work. The contractor, where possible, will assign two or more women to each construction project. The contractor shall specifically ensure that all foremen, superintendents, and other onsite supervisory personnel are aware of and carry out the contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

c. Maintain a current file of the names, addresses, and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source, or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the contractor by the union or, if referred, not employed by the contractor, this shall be documented in the file with the reason therefore along with whatever additional actions the contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the contractor has a collective bargaining agreement has not referred to the contractor a minority person or female sent by the contractor, or when the contractor has other information that the union referral process has impeded the contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the contractor's employment needs, especially those programs funded or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources compiled under 7b above.

f. Disseminate the contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions including specific review of these items with onsite supervisory personnel such a superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the contractor's EEO policy with other contractors and subcontractors with whom the contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female, and community organizations, to schools with minority and female students; and to minority and female recruitment and training organizations serving the contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the contractor shall send written notification to organizations, such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer, and vacation employment to minority and female youth both on the site and in other areas of a contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel, for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments, and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisor's adherence to and performance under the contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar groups of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the contractor's and failure of such a group to fulfill an obligation shall not be a defense for the contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, if the particular group is employed in a substantially disparate manner (for example, even though the contractor has achieved its goals for women generally,) the contractor may be in violation of the Executive Order if a specific minority group of women is underutilized.

10. The contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination, and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the contractor fails to comply with the requirements of the Executive Order, the

implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee, the name, address, telephone number, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

A16 FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE)

All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers.

The contractor has full responsibility to monitor compliance to the referenced statute or regulation. The contractor must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division

A17 LOBBYING AND INFLUENCING FEDERAL EMPLOYEES

CERTIFICATION REGARDING LOBBYING

The bidder or offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in

connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

A18 PROHIBITION of SEGREGATED FACILITIES

(a) The Contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(b) "Segregated facilities," as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

A19 OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Contractor must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Contractor retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Contractor must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

A20 PROCUREMENT OF RECOVERED MATERIALS

Contractor and subcontractor agree to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, and the regulatory provisions of 40 CFR Part 247. In the performance of this contract and to the extent practicable, the Contractor and subcontractors are to use of products containing the highest percentage of recovered materials for items designated by the Environmental Protection Agency (EPA) under 40 CFR Part 247 whenever:

a) The contract requires procurement of $10,000 or more of a designated item during the fiscal year; or,

b) The contractor has procured $10,000 or more of a designated item using Federal funding during the previous fiscal year.

The list of EPA-designated items is available at www.epa.gov/epawaste/conserve/tools/cpg/products/.

Section 6002(c) establishes exceptions to the preference for recovery of EPA-designated products if the contractor can demonstrate the item is:

a) Not reasonably available within a timeframe providing for compliance with the contract performance schedule;

b) Fails to meet reasonable contract performance requirements; or

c) Is only available at an unreasonable price.

A21 RIGHT TO INVENTIONS

Contracts or agreements that include the performance of experimental, developmental, or research work must provide for the rights of the Federal Government and the Owner in any resulting invention as established by 37 CFR part 401, Rights to Inventions Made by Non-profit Organizations and Small Business Firms under Government Grants, Contracts, and Cooperative Agreements. This contract incorporates by reference the patent and inventions rights as specified within in the 37 CFR §401.14. Contractor must include this requirement in all sub-tier contracts involving experimental, developmental or research work.

A22 SEISMIC SAFETY

The contractor agrees to ensure that all work performed under this contract, including work performed by subcontractors, conforms to a building code standard that provides a level of seismic safety substantially equivalent to standards established by the National Earthquake Hazards Reduction Program (NEHRP). Local building codes that model their code after the current version of the International Building Code (IBC) meet the NEHRP equivalency level for seismic safety.

A23 TERMINATION OF CONTRACT

Termination for Convenience (Construction & Equipment Contracts)

The Owner may terminate this contract in whole or in part at any time by providing written notice to the Contractor. Such action may be without cause and without prejudice to any other right or remedy

of Owner. Upon receipt of a written notice of termination, except as explicitly directed by the Owner, the Contractor shall immediately proceed with the following obligations regardless of any delay in determining or adjusting amounts due under this clause:

1. Contractor must immediately discontinue work as specified in the written notice.
2. Terminate all subcontracts to the extent they relate to the work terminated under the notice.
3. Discontinue orders for materials and services except as directed by the written notice.
4. Deliver to the owner all fabricated and partially fabricated parts, completed and partially completed work, supplies, equipment and materials acquired prior to termination of the work and as directed in the written notice.
5. Complete performance of the work not terminated by the notice.
6. Take action as directed by the owner to protect and preserve property and work related to this contract that Owner will take possession.

Owner agrees to pay Contractor for:

a) completed and acceptable work executed in accordance with the contract documents prior to the effective date of termination;

b) documented expenses sustained prior to the effective date of termination in performing work and furnishing labor, materials, or equipment as required by the contract documents in connection with uncompleted work;

c) reasonable and substantiated claims, costs and damages incurred in settlement of terminated contracts with Subcontractors and Suppliers; and

d) reasonable and substantiated expenses to the contractor directly attributable to Owner's termination action

Owner will not pay Contractor for loss of anticipated profits or revenue or other economic loss arising out of or resulting from the Owner's termination action.

The rights and remedies this clause provides are in addition to any other rights and remedies provided by law or under this contract.

Termination for Default (Construction)

Section 80-09 of FAA Advisory Circular 150/5370-10 establishes conditions, rights and remedies associated with Owner termination of this contract due default of the Contractor.

A24 TRADE RESTRICTION CERTIFICATION

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror -

a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (U.S.T.R.);

b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R; and

c. has not entered into any subcontract for any product to be used on the Federal on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

(1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or
(2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or
(3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R, unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

A25 VETERAN'S PREFERENCE

In the employment of labor (excluding executive, administrative, and supervisory positions), the contractor and all sub-tier contractors must give preference to covered veterans as defined within Title 49 United States Code Section 47112. Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 U.S.C. 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.

PART C

DIVISION III

DEPARTMENT OF LABOR WAGE RATE DETERMINATION

PART C
DEPARTMENT OF LABOR WAGE DETERMINATION

General Decision Number: CA160029 03/18/2016 CA29

Superseded General Decision Number: CA20150029

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alameda, Calaveras, Contra Costa, Fresno, Kings, Madera, Mariposa, Merced, Monterey, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Stanislaus and Tuolumne Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016
3	03/04/2016
4	03/18/2016

ASBE0016-004 01/01/2015

AREA 1: CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS & TOULMNE COUNTIES

AREA 2: ALAMEDA, CONTRA COSTA, SAN FRANSICO, SAN MATEO & SANTA CLARA COUNTIES

	Rates	Fringes
Asbestos Removal worker/hazardous material		

handler (Includes
preparation, wetting,
stripping, removal,
scrapping, vacuuming, bagging
and disposing of all
insulation materials from
mechanical systems, whether
they contain asbestos or not)
Area 1.....$ 28.30 7.75
Area 2.....$ 32.38 7.75

ASBE0016-008 01/01/2015

AREA 1: ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANSICO, SAN MATEO, SANTA CLARA, & SANTA CRUZ

AREA 2: CALAVERAS, COLUSA, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAU, & TUOLUMNE

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, Protective Coverings, Coatings, and Finishes to all types of mechanical systems)		
Area 1	$ 59.38	19.83
Area 2	$ 44.05	18.62

BOIL0549-001 01/01/2013

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: REMAINING COUNTIES

	Rates	Fringes
BOILERMAKER		
Area 1	$ 42.06	33.43
Area 2	$ 38.37	31.32

BRCA0003-001 08/01/2013

	Rates	Fringes
MARBLE FINISHER	$ 28.05	14.01

BRCA0003-003 08/01/2013

	Rates	Fringes
MARBLE MASON	$ 39.30	22.48

BRCA0003-005 05/01/2015

	Rates	Fringes
BRICKLAYER		
(1) Fresno, Kings, Madera, Mariposa, Merced	$ 36.18	20.14
(7) San Francisco, San Mateo	$ 39.99	24.75
(8) Alameda, Contra Costa, San Benito, Santa Clara	$ 41.80	20.65
(9) Calaveras, San Joaquin, Stanislaus, Toulumne	$ 37.31	19.73
(16) Monterey, Santa Cruz	$ 38.62	22.64

BRCA0003-008 07/01/2013

	Rates	Fringes
TERRAZZO FINISHER	$ 33.15	13.93
TERRAZZO WORKER/SETTER	$ 39.95	24.39

BRCA0003-011 04/01/2015

AREA 1: Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz

AREA 2: Calaveras, San Joaquin, Stanislaus, Tuolumne

AREA 3: Fresno, Kings, Madera, Mariposa, Merced

	Rates	Fringes
TILE FINISHER		
Area 1	$ 23.49	12.32
Area 2	$ 23.31	12.90
Area 3	$ 23.15	11.96
Tile Layer		
Area 1	$ 41.87	13.55
Area 2	$ 37.71	14.19
Area 3	$ 33.13	13.59

CARP0022-001 07/01/2015

San Francisco County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer,		

Shingler, Power Saw
Operator, Steel Scaffold &
Steel Shoring Erector, Saw
Filer.....$ 42.55 25.98
Journeyman Carpenter.....$ 42.40 25.98
Millwright.....$ 42.50 27.38

CARP0034-001 07/01/2014

	Rates	Fringes
Diver		
Assistant Tender, ROV		
Tender/Technician	$ 39.60	30.73
Diver standby	$ 44.56	30.73
Diver Tender	$ 43.56	30.73
Diver wet	$ 89.12	30.73
Manifold Operator (mixed gas)	$ 48.56	30.73
Manifold Operator (Standby)	$ 43.56	30.73

DEPTH PAY (Surface Diving):
050 to 100 ft $2.00 per foot
101 to 150 ft $3.00 per foot
151 to 220 ft $4.00 per foot

SATURATION DIVING:
The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

DIVING IN ENCLOSURES:
Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: $1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48" in height, the premium will be $1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

CARP0034-003 07/01/2014

	Rates	Fringes
Piledriver	$ 40.60	30.73

CARP0035-007 07/01/2015

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tuolumne Counties

	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer I	$ 24.26	17.67
Installer II	$ 20.83	18.67
Lead Installer	$ 27.71	18.17
Master Installer	$ 31.93	18.17
Area 2		
Installer I	$ 21.61	17.67
Installer II	$ 18.66	17.67
Lead Installer	$ 24.58	18.17
Master Installer	$ 28.21	19.35
Area 3		
Installer I	$ 20.66	18.85
Installer II	$ 17.89	18.85
Lead Installer	$ 23.46	18.17
Master Installer	$ 30.48	17.67

CARP0035-008 08/01/2014

AREA 1: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara counties

AREA 2: Monterey, San Benito, Santa Cruz Counties

AREA 3: San Joaquin

AREA 4: Calaveras, Fresno, Kings, Madera, Mariposa, Merced, Stanislaus, Tuolumne Counties

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1	$ 40.35	27.97
Area 2	$ 34.47	27.97
Area 3	$ 34.97	27.97
Area 4	$ 33.62	27.97
Drywall Stocker/Scrapper		
Area 1	$ 20.18	16.30
Area 2	$ 17.24	16.30
Area 3	$ 17.49	16.30
Area 4	$ 16.81	16.30

CARP0152-001 07/01/2014

Contra Costa County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 40.50	27.53
Journeyman Carpenter	$ 40.35	27.53
Millwright	$ 40.45	29.12

CARP0152-002 07/01/2014

San Joaquin County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 34.62	27.53
Journeyman Carpenter	$ 34.47	27.53
Millwright	$ 34.97	29.12

CARP0152-004 07/01/2014

Calaveras, Mariposa, Merced, Stanislaus and Tuolumne Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 33.27	27.53
Journeyman Carpenter	$ 33.12	27.53
Millwright	$ 35.62	29.12

CARP0217-001 07/01/2015

San Mateo County

	Rates	Fringes

Carpenters
Bridge Builder/Highway Carpenter.....$ 42.40 25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....$ 42.55 25.98
Journeyman Carpenter.....$ 42.40 25.98
Millwright.....$ 42.50 27.38

CARP0405-001 07/01/2015

Santa Clara County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 42.55	25.98
Journeyman Carpenter	$ 42.40	25.98
Millwright	$ 42.50	27.38

CARP0405-002 07/01/2015

San Benito County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 36.58	25.98
Journeyman Carpenter	$ 26.52	25.98
Millwright	$ 39.02	27.38

CARP0505-001 07/01/2015

Santa Cruz County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw		

Operator, Steel Scaffold &
Steel Shoring Erector, Saw
Filer.....$ 36.67 25.98
Journeyman Carpenter.....$ 36.52 25.98
Millwright.....$ 39.02 27.38

CARP0605-001 07/01/2015

Monterey County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 36.67	25.98
Journeyman Carpenter	$ 36.52	25.98
Millwright	$ 39.02	27.38

CARP0701-001 07/01/2015

Fresno and Madera Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 35.32	25.98
Journeyman Carpenter	$ 35.17	25.98
Millwright	$ 37.67	27.38

CARP0713-001 07/01/2015

Alameda County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 42.40	25.98
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 42.55	25.98
Journeyman Carpenter	$ 42.40	25.98
Millwright	$ 42.50	27.38

CARP1109-001 07/01/2014

Kings County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 40.35	27.53
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 33.27	27.53
Journeyman Carpenter	$ 33.12	27.53
Millwright	$ 35.62	29.12

ELEC0006-004 12/01/2015

SAN FRANCISCO COUNTY

	Rates	Fringes
Sound & Communications		
Installer	$ 34.82	17.85
Technician	$ 39.65	17.99

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0006-007 06/01/2015

SAN FRANCISCO COUNTY

	Rates	Fringes

ELECTRICIAN.....$ 61.25 29.80

ELEC0100-002 06/01/2015

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 34.50	20.09

ELEC0100-005 12/01/2015

FRESNO, KINGS, MADERA

	Rates	Fringes
Communications System		
Installer	$ 30.24	16.91
Technician	$ 34.43	17.03

SCOPE OF WORK

Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS Background foreground music, Intercom and telephone interconnect systems, Telephone systems Nurse call systems, Radio page systems, School intercom and sound systems, Burglar alarm systems, Low voltage, master clock systems, Multi-media/multiplex systems, Sound and musical entertainment systems, RF systems, Antennas and Wave Guide,

B. FIRE ALARM SYSTEMS Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems Vibration sensor systems Card access systems Access control systems, Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory

Control Systems, Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems, VSAT Data Systems Data Communication Systems RF and Remote Control Systems, Fiber Optic Data Systems

WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:
1. The project involves new or major remodel building trades construction.
2. The conductors for the fire alarm system are installed in conduit.

ELEC0234-001 05/25/2015

MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
ELECTRICIAN		
Zone A	$ 42.15	23.36
Zone B	$ 46.37	23.50

Zone A: All of Santa Cruz, Monterey, and San Benito Counties within 25 air miles of Highway 1 and Dolan Road in Moss Landing, and an area extending 5 miles east and west of Highway 101 South to the San Luis Obispo County Line

Zone B: Any area outside of Zone A

ELEC0234-003 12/01/2015

MONTEREY, SAN BENITO, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 34.32	17.33
Technician	$ 37.94	16.30

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when

performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0302-001 02/09/2016

CONTRA COSTA COUNTY

	Rates	Fringes
CABLE SPLICER	$ 54.17	26.23
ELECTRICIAN	$ 47.76	26.03

ELEC0302-003 12/01/2015

CONTRA COSTA COUNTY

	Rates	Fringes
Sound & Communications		
Installer	$ 34.32	17.03
Technician	$ 39.08	17.17

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0332-001 06/01/2015

SANTA CLARA COUNTY

	Rates	Fringes
CABLE SPLICER	$ 65.57	32.19
ELECTRICIAN	$ 57.02	31.94

FOOTNOTES: Work under compressed air or where gas masks are required, orwork on ladders, scaffolds, stacks, "Bosun's chairs," or other structures and where the workers are not protected by permanent guard rails at a distance of 40 to 60 ft. from the ground or supporting structures: to be paid one and one-half times the straight-time rate of pay.
Work on structures of 60 ft. or over (as described above): to be paid twice the straight-time rate of pay.

ELEC0332-003 06/01/2015

SANTA CLARA COUNTY

	Rates	Fringes
Sound & Communications		
Installer	$ 33.32	16.30
Technician	$ 37.94	16.43

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0595-001 06/01/2015

ALAMEDA COUNTY

	Rates	Fringes
CABLE SPLICER	$ 56.70	33.55
ELECTRICIAN	$ 50.40	33.36

ELEC0595-002 06/01/2015

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 39.09	25.68
ELECTRICIAN		
(1) Tunnel work	$ 36.49	25.48
(2) All other work	$ 34.75	25.35

ELEC0595-006 06/01/2015

ALAMEDA COUNTY

	Rates	Fringes
Sound & Communications		
Installer	$ 33.32	16.29
Technician	$ 37.94	16.44

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0595-008 12/01/2014

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes

Communications System
Installer.....$ 29.10 16.18
Technician.....$ 33.13 16.30

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0617-001 06/01/2015

SAN MATEO COUNTY

	Rates	Fringes
ELECTRICIAN	$ 53.90	30.50

ELEC0617-003 12/01/2015

SAN MATEO COUNTY

	Rates	Fringes
Sound & Communications		
Installer	$ 34.32	17.33
Technician	$ 39.08	17.47

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway

systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC0684-001 12/01/2015

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 36.00	21.01

CABLE SPLICER = 110% of Journeyman Electrician

ELEC0684-004 12/01/2015

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
Communications System		
Installer	$ 28.22	16.26
Technician	$ 32.13	16.26

SCOPE OF WORK: Including any data system whose only function is to transmit or receive information; excluding all other data systems or multiple systems which include control function or power supply; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs for which the conductors for the fire alarm system are installed in conduit; excluding installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excluding energy management systems.

FOOTNOTE: Fire alarm work when installed in raceways (including wire and cable pulling), on projects which involve new or major remodel building construction, for which the conductors for the fire alarm system are installed in the conduit, shall be performed by the inside electrician.

ELEC1245-001 06/01/2015

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer	$ 52.85	15.53
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment)	$ 42.21	14.32
(3) Groundman	$ 32.28	14.03
(4) Powderman	$ 47.19	14.60

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

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ELEV0008-001 01/01/2015

	Rates	Fringes
ELEVATOR MECHANIC	$ 60.39	28.38

FOOTNOTE:
PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0003-008 07/01/2013

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman	$ 40.53	27.81
(2) Dredge Dozer; Heavy duty repairman	$ 35.57	27.81
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator	$ 34.45	27.81
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler	$ 31.15	27.81
AREA 2:		

(1) Leverman.....$ 42.53 27.81
(2) Dredge Dozer; Heavy duty repairman.....$ 37.57 27.81
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator.....$ 36.45 27.81
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler..$ 33.15 27.81

AREA DESCRIPTIONS

AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Remainder
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY:
Area 1: Remainder
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

MONTERREY COUNTY
Area 1: Except Southwestern part
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: Al but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Remainder

TEHAMA COUNTY:
Area 1: All but the Western border with Mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeastern border with Shasta County
Area 2: Remainder

TUOLUMNE COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

ENGI0003-018 06/30/2014

"AREA 1" WAGE RATES ARE LISTED BELOW

"AREA 2" RECEIVES AN ADDITIONAL $2.00 PER HOUR ABOVE AREA 1 RATES.

SEE AREA DEFINITIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (AREA 1:)		
GROUP 1	$ 39.85	27.44
GROUP 2	$ 38.32	27.44
GROUP 3	$ 36.84	27.44
GROUP 4	$ 35.46	27.44
GROUP 5	$ 34.19	27.44
GROUP 6	$ 32.87	27.44
GROUP 7	$ 31.73	27.44
GROUP 8	$ 30.59	27.44
GROUP 8-A	$ 28.38	27.44
OPERATOR: Power Equipment (Cranes and Attachments - AREA 1:)		
GROUP 1		
Cranes	$ 40.73	27.44
Oiler	$ 33.76	27.44
Truck crane oiler	$ 37.33	27.44
GROUP 2		
Cranes	$ 38.97	27.44
Oiler	$ 33.50	27.44
Truck crane oiler	$ 37.04	27.44
GROUP 3		
Cranes	$ 37.23	27.44
Hydraulic	$ 32.87	27.44
Oiler	$ 33.26	27.44
Truck Crane Oiler	$ 36.77	27.44
GROUP 4		
Cranes	$ 34.19	27.44
OPERATOR: Power Equipment (Piledriving - AREA 1:)		
GROUP 1		
Lifting devices	$ 41.07	27.44
Oiler	$ 31.81	27.44
Truck crane oiler	$ 34.09	27.44
GROUP 2		
Lifting devices	$ 39.25	27.44
Oiler	$ 31.54	27.44
Truck Crane Oiler	$ 33.84	27.44
GROUP 3		
Lifting devices	$ 37.57	27.44
Oiler	$ 31.32	27.44
Truck Crane Oiler	$ 33.55	27.44
GROUP 4		
Lifting devices	$ 35.80	27.44
GROUP 5		
Lifting devices	$ 34.50	27.44
GROUP 6		

Lifting devices.....$ 33.16 27.44
OPERATOR: Power Equipment
(Steel Erection - AREA 1:)
GROUP 1
Cranes.....$ 41.70 27.44
Oiler.....$ 32.15 27.44
Truck Crane Oiler.....$ 34.38 27.44
GROUP 2
Cranes.....$ 39.93 27.44
Oiler.....$ 31.88 27.44
Truck Crane Oiler.....$ 34.16 27.44
GROUP 3
Cranes.....$ 38.45 27.44
Hydraulic.....$ 32.67 27.44
Oiler.....$ 31.66 27.44
Truck Crane Oiler.....$ 33.89 27.44
GROUP 4
Cranes.....$ 36.43 27.44
GROUP 5
Cranes.....$ 35.13 27.44
OPERATOR: Power Equipment
(Tunnel and Underground Work
- AREA 1:)
SHAFTS, STOPES, RAISES:
GROUP 1.....$ 35.95 27.44
GROUP 1-A.....$ 38.32 27.44
GROUP 2.....$ 34.59 27.44
GROUP 3.....$ 33.36 27.44
GROUP 4.....$ 32.22 27.44
GROUP 5.....$ 31.08 27.44
UNDERGROUND:
GROUP 1.....$ 35.85 27.44
GROUP 1-A.....$ 38.32 27.44
GROUP 2.....$ 34.59 27.44
GROUP 3.....$ 33.26 27.44
GROUP 4.....$ 32.12 27.44
GROUP 5.....$ 30.98 27.44

FOOTNOTE: Work suspended by ropes or cables, or work on a Yo-Yo Cat: $.60 per hour additional.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds. m.r.c.

GROUP 3: Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie

back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed constuction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom- type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and

canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self- propelled pipeline wrapping machine; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing mahcine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

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ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons;

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under; Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

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TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

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AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS,TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of

Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

ENGI0003-019 07/01/2013

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1.....	$ 29.64	25.71

AREA 2	$ 31.64	25.71
GROUP 2		
AREA 1	$ 26.04	25.71
AREA 2	$ 28.04	25.71
GROUP 3		
AREA 1	$ 21.43	25.71
AREA 2	$ 23.43	25.71

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscae Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

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COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:

Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY
Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

IRON0377-002 01/01/2016

	Rates	Fringes
Ironworkers:		
Fence Erector	$ 27.58	20.64
Ornamental, Reinforcing and Structural	$ 34.00	29.20

PREMIUM PAY:

$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland,
Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps

Logistics Center

$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LABO0067-002 12/01/2015

AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer		
Areas A & B	$ 20.66	10.02
LABORER (Lead Removal)		
Area A	$ 29.02	20.82
Area B	$ 28.02	20.82

ASBESTOS REMOVAL-SCOPE OF WORK: Site mobilization; initial site clean-up; site preparation; removal of asbestos-containing materials from walls and ceilings; or from pipes, boilers and mechanical systems only if they are being scrapped; encapsulation, enclosure and disposal of asbestos-containing materials by hand or with equipment or machinery; scaffolding; fabrication of temporary wooden barriers; and assembly of decontamination stations.

LABO0067-006 06/30/2014

AREA "A" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA "B" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, EL DORADO, FRESNO, GLENN, KINGS, LASSEN, MADERA, MARIPOSA, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, SUTTER, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YUBA COUNTIES

	Rates	Fringes
Laborers: (CONSTRUCTION CRAFT		

LABORERS - AREA A:)
Construction Specialist Group.....$ 29.09 18.66
GROUP 1.....$ 28.39 18.66
GROUP 1-a.....$ 28.61 18.66
GROUP 1-c.....$ 28.44 18.66
GROUP 1-e.....$ 28.94 18.66
GROUP 1-f.....$ 28.97 18.66
GROUP 1-g (Contra Costa County).....$ 28.59 18.66
GROUP 2.....$ 28.24 18.66
GROUP 3.....$ 28.14 18.66
GROUP 4.....$ 21.83 18.66
See groups 1-b and 1-d under laborer classifications.

Laborers: (CONSTRUCTION CRAFT LABORERS - AREA B:)
Construction Specialist Group.....$ 28.09 18.66
GROUP 1.....$ 27.39 18.66
GROUP 1-a.....$ 27.61 18.66
GROUP 1-c.....$ 27.44 18.66
GROUP 1-e.....$ 27.94 18.66
GROUP 1-f.....$ 27.97 18.66
GROUP 2.....$ 27.24 18.66
GROUP 3.....$ 27.14 18.66
GROUP 4.....$ 20.83 18.66
See groups 1-b and 1-d under laborer classifications.

Laborers: (GUNITE - AREA A:)
GROUP 1.....$ 29.35 18.66
GROUP 2.....$ 28.85 18.66
GROUP 3.....$ 28.26 18.66
GROUP 4.....$ 28.14 18.66

Laborers: (GUNITE - AREA B:)
GROUP 1.....$ 28.35 18.66
GROUP 2.....$ 27.85 18.66
GROUP 3.....$ 27.26 18.66
GROUP 4.....$ 27.14 18.66

Laborers: (WRECKING - AREA A:)
GROUP 1.....$ 28.39 18.66
GROUP 2.....$ 28.24 18.66

Laborers: (WRECKING - AREA B:)
GROUP 1.....$ 27.39 18.66
GROUP 2.....$ 27.24 18.66

Landscape Laborer (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A:)
(1) New Construction.....$ 28.14 18.66
(2) Establishment Warranty Period.....$ 21.83 18.66

Landscape Laborer (GARDENERS, HORTICULURAL & LANDSCAPE LABORERS - AREA B:)
(1) New Construction.....$ 27.14 18.66
(2) Establishment Warranty Period.....$ 20.83 18.66

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive $0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucker; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller;

Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. "Sewer cleaner" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shal receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive $ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 1-g, CONTRA COSTA COUNTY: Pipelayer (including grade checking in connection with pipelaying); Caulker; Bander; Pipewrapper; Conduit layer; Plastic pipe layer; Pressure pipe tester; No joint pipe and stripping of same, including repair of voids; Precast manhole setters, cast in place manhole form setters

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush

shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification "material cleaner" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of "form stripping, cleaning and oiling and moving to the next point of erection".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0073-002 06/30/2014

CALAVERAS AND SAN JOAQUIN COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 27.14	19.03
Traffic Control Person I	$ 27.44	19.03
Traffic Control Person II	$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0073-003 06/30/2014

SAN JOAQUIN COUNTY

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 31.11	17.34

LABO0073-005 06/30/2014

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0166-001 07/01/2006

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Brick Tender	$ 25.91	14.65

FOOTNOTES: Work on jobs where heat-protective clothing is required: $2.00 per hour additional. Work at grinders: $.25 per hour additional. Manhole work: $2.00 per day additional.

LABO0166-002 07/01/2007

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
MASON TENDER, BRICK	$ 26.93	16.50

FOOTNOTES: Underground work such as sewers, manholes, catch basins, sewer pipes, telephone conduits, tunnels and cut trenches: $5.00 per day additional. Work in live sewage: $2.50 per day additional.

LABO0261-003 06/30/2014

SAN FRANCISCO AND SAN MATEO COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 28.14	19.03
Traffic Control Person I	$ 28.44	19.03
Traffic Control Person II	$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0261-005 06/30/2014

SAN FRANCISCO AND SAN MATEO COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0270-003 06/30/2014

AREA A: SANTA CLARA

AREA B: MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person		
Area A	$ 28.14	19.03
Area B	$ 27.14	19.03
Traffic Control Person I		
Area A	$ 28.44	19.03

Area B	$ 27.44	19.03
Traffic Control Person II		
Area A	$ 25.94	19.03
Area B	$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0270-004 06/30/2014

MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0270-005 07/01/2013

MONTEREY AND SAN BENITO COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 31.70	16.53

LABO0294-001 06/30/2014

FRESNO, KINGS AND MADERA COUNTIES

	Rates	Fringes
LABORER (Brick)		
Mason Tender-Brick	$ 31.11	17.34

LABO0294-002 06/30/2014

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 27.14	19.03
Traffic Control Person I	$ 27.44	19.03
Traffic Control Person II	$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0294-005 06/30/2014

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or

excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0304-002 06/30/2014

ALAMEDA COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 28.14	19.03
Traffic Control Person I	$ 28.44	19.03
Traffic Control Person II	$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0304-003 06/30/2014

ALAMEDA COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0324-002 06/30/2014

CONTRA COSTA COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 28.14	19.03
Traffic Control Person I	$ 28.44	19.03
Traffic Control Person II	$ 25.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0324-006 06/30/2014

CONTRA COSTA COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49

GROUP 4.....$ 33.67 19.49
GROUP 5.....$ 33.13 19.49
Shotcrete Specialist.....$ 35.12 19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO1130-002 06/30/2014

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 27.14	19.03
Traffic Control Person I	$ 27.44	19.03
Traffic Control Person II	$ 24.94	19.03

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO1130-003 06/30/2014

MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES

	Rates	Fringes

Tunnel and Shaft Laborers:

GROUP 1	$ 34.60	19.49
GROUP 2	$ 34.37	19.49
GROUP 3	$ 34.12	19.49
GROUP 4	$ 33.67	19.49
GROUP 5	$ 33.13	19.49
Shotcrete Specialist	$ 35.12	19.49

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO1130-005 06/30/2014

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 31.11	17.34

LABO1414-004 08/05/2015

SAN FRANCISCO AND SAN MATEO COUNTIES:

	Rates	Fringes
PLASTER TENDER	$ 32.71	17.11

Work on a swing stage scaffold: $1.00 per hour additional.

LABO1414-007 08/05/2015

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE

	Rates	Fringes
Plasterer tender	$ 32.71	17.11

Work on a swing stage scaffold: $1.00 per hour additional.

LABO1414-008 08/05/2015

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Plasterer tender	$ 32.71	17.11

Work on a swing stage scaffold: $1.00 per hour additional.

LABO1414-010 08/05/2015

SANTA CLARA AND SANTA CRUZ COUNTIES

	Rates	Fringes
PLASTER TENDER		
4 Stories and under	$ 30.71	17.11
5 Stories and above	$ 32.71	17.11

Work on a swing stage scaffold: $1.00 per hour additional.

LABO1414-011 08/05/2015

MONTEREY AND SAN BENITO COUNTIES

	Rates	Fringes
Plasterer tender	$ 32.71	17.11

Work on a swing stage scaffold: $1.00 per hour additional.

PAIN0016-001 01/01/2015

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN MATEO, SANTA CLARA, AND SANTA CRUZ COUNTIES

	Rates	Fringes
Painters:	$ 36.45	21.48

PREMIUMS:

EXOTIC MATERIALS - $0.75 additional per hour.

SPRAY WORK: - $0.50 additional per hour.
INDUSTRIAL PAINTING - $0.25 additional per hour
[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:
over 50 feet - $2.00 per hour additional
100 to 180 feet - $4.00 per hour additional
Over 180 feet - $6.00 per houir additional

PAIN0016-003 09/01/2015

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO & SANTA CLARA COUNTIES

AREA 2: CALAVERAS, MARIPOA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
Drywall Finisher/Taper		
AREA 1	$ 42.37	21.33
AREA 2	$ 38.24	19.93

PAIN0016-012 01/01/2015

ALAMEDA, CONTRA COSTA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER	$ 46.20	18.73

PAIN0016-015 01/01/2015

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
PAINTER		
Brush	$ 30.85	16.85

FOOTNOTES:
SPRAY/SANDBLAST: $0.50 additional per hour.
EXOTIC MATERIALS: $1.00 additional per hour.
HIGH TIME: Over 50 ft above ground or water level $2.00 additional per hour. 100 to 180 ft above ground or water level $4.00 additional per hour. Over 180 ft above ground or water level $6.00 additional per hour.

PAIN0016-022 01/01/2015

SAN FRANCISCO COUNTY

	Rates	Fringes
PAINTER	$ 40.07	21.48

PAIN0169-001 01/01/2015

FRESNO, KINGS, MADERA, MARIPOSA AND MERCED COUNTIES:

	Rates	Fringes
GLAZIER	$ 34.83	19.75

PAIN0169-005 01/01/2015

ALAMEDA CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA & SANTA CRUZ COUNTIES

	Rates	Fringes
GLAZIER	$ 43.48	24.19

PAIN0294-004 01/01/2015

FRESNO, KINGS AND MADERA COUNTIES

	Rates	Fringes
PAINTER		
Brush, Roller	$ 25.67	15.68
Drywall Finisher/Taper	$ 30.47	16.81

FOOTNOTE:
Spray Painters & Paperhangers recive $1.00 additional per hour. Painters doing Drywall Patching receive $1.25 additional per hour. Lead Abaters & Sandblasters receive $1.50 additional per hour. High Time - over 30 feet (does not include work from a lift) $0.75 per hour additional.

PAIN0294-005 01/01/2015

FRESNO, KINGS & MADERA

	Rates	Fringes
SOFT FLOOR LAYER	$ 30.83	17.39

PAIN0767-001 01/01/2015

CALAVERAS, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
GLAZIER	$ 33.79	22.49

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee rquired to wear a body harness shall receive $1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2014

HIGHWAY IMPR0VEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1	$ 34.26	11.65
GROUP 2	$ 29.12	11.65
GROUP 3	$ 29.46	11.65

CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

PAIN1237-003 01/01/2015

CALAVERAS; SAN JOAQUIN COUNTIES; STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SOFT FLOOR LAYER	$ 31.79	14.93

PLAS0066-002 07/01/2014

ALAMEDA, CONTRA COSTA, SAN MATEO AND SAN FRANCISCO COUNTIES:

	Rates	Fringes
PLASTERER	$ 35.34	24.21

PLAS0300-001 07/01/2014

Rates Fringes

PLASTERER
AREA 188: Fresno.....$ 29.44 22.26
AREA 224: San Benito,
Santa Clara, Santa Cruz.....$ 31.59 22.26
AREA 295: Calaveras & San
Joaquin Couonties.....$ 31.41 22.26
AREA 337: Monterey County..$ 30.52 22.26
AREA 429: Mariposa,
Merced, Stanislaus,
Tuolumne Counties.....$ 31.41 22.26

PLAS0300-005 06/30/2014

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...$ 30.00 22.07

PLUM0038-001 07/01/2015

SAN FRANCISCO COUNTY

Rates Fringes

PLUMBER (Plumber,
Steamfitter, Refrigeration
Fitter).....$ 65.00 43.49

PLUM0038-005 07/01/2015

SAN FRANCISCO COUNTY

Rates Fringes

Landscape/Irrigation Fitter
(Underground/Utility Fitter).....$ 55.10 40.91

PLUM0062-001 01/01/2016

MONTEREY AND SANTA CRUZ COUNTIES

Rates Fringes

PLUMBER & STEAMFITTER.....$ 41.90 27.34

PLUM0159-001 07/01/2015

CONTRA COSTA COUNTY

Rates Fringes

Plumber and steamfitter
(1) Refrigeration.....$ 52.53 34.44
(2) All other work.....$ 53.42 34.44

PLUM0246-001 01/01/2016

FRESNO, KINGS & MADERA COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER	$ 38.15	27.39

PLUM0246-004 07/01/2013

FRESNO, MERCED & SAN JOAQUIN COUNIES

	Rates	Fringes
PLUMBER (PIPE TRADESMAN)	$ 13.00	9.77

PIPE TRADESMAN SCOPE OF WORK:
Installation of corrugated metal piping for drainage, as well as installation of corrugated metal piping for culverts in connection with storm sewers and drains; Grouting, dry packing and diapering of joints, holes or chases including paving over joints, in piping; Temporary piping for dirt work for building site preparation; Operating jack hammers, pavement breakers, chipping guns, concrete saws and spades to cut holes, chases and channels for piping systems; Digging, grading, backfilling and ground preparation for all types of pipe to all points of the jobsite; Ground preparation including ground leveling, layout and planting of shrubbery, trees and ground cover, including watering, mowing, edging, pruning and fertilizing, the breaking of concrete, digging, backfilling and tamping for the preparation and completion of all work in connection with lawn sprinkler and landscaping; Loading, unloading and distributing materials at jobsite; Putting away materials in storage bins in jobsite secure storage area; Demolition of piping and fixtures for remodeling and additions; Setting up and tearing down work benches, ladders and job shacks; Clean-up and sweeping of jobsite; Pipe wrapping and waterproofing where tar or similar material is applied for protection of buried piping; Flagman

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PLUM0342-001 07/01/2015

ALAMEDA & CONTRA COSTA COUNTIES

	Rates	Fringes
PIPEFITTER		
CONTRA COSTA COUNTY	$ 53.46	40.19
PLUMBER, PIPEFITTER, STEAMFITTER		
ALAMEDA COUNTY	$ 53.46	40.19

PLUM0355-004 07/01/2015

ALAMEDA, CALAVERAS, CONTRA COSTA, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, STANISLAUS, AND TUOLUMNE COUNTIES:

	Rates	Fringes
Underground Utility Worker /Landscape Fitter	$ 28.60	10.05

PLUM0393-001 07/01/2015

SAN BENITO AND SANTA CLARA COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 58.91	33.58

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* PLUM0442-001 01/01/2016

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES

	Rates	Fringes
PLUMBER & STEAMFITTER	$ 39.25	27.14

PLUM0467-001 07/01/2015

SAN MATEO COUNTY

	Rates	Fringes
Plumber/Pipefitter/Steamfitter	$ 58.98	32.43

ROOF0027-002 09/01/2014

FRESNO, KINGS, AND MADERA COUNTIES

	Rates	Fringes
ROOFER	$ 26.37	12.68

FOOTNOTE: Work with pitch, pitch base of pitch impregnated products or any material containing coal tar pitch, on any building old or new, where both asphalt and pitchers are used in the application of a built-up roof or tear off: $2.00 per hour additional.

ROOF0040-002 08/01/2015

SAN FRANCISCO & SAN MATEO COUNTIES:

	Rates	Fringes

ROOFER.....$ 35.50 15.82

ROOF0081-001 08/01/2015

ALAMEDA AND CONTRA COSTA COUNTIES:

	Rates	Fringes
Roofer	$ 36.08	14.90

ROOF0081-004 08/01/2015

CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
ROOFER	$ 32.71	14.65

ROOF0095-002 08/01/2015

MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES:

	Rates	Fringes
ROOFER		
Journeyman	$ 37.55	15.52
Kettle person (2 kettles); Bitumastic, Enameler, Coal Tar, Pitch and Mastic worker	$ 39.55	15.52

SFCA0483-001 01/01/2015

ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES:

	Rates	Fringes
SPRINKLER FITTER (FIRE)	$ 56.02	27.77

SFCA0669-011 01/01/2016

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SPRINKLER FITTER	$ 34.31	20.25

SHEE0104-001 07/01/2015

AREA 1: ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO, SANTA CLARA

AREA 2: MONTEREY & SAN BENITO

AREA 3: SANTA CRUZ

	Rates	Fringes
SHEET METAL WORKER		
AREA 1:		
Mechanical Contracts		
under $200,000	$ 46.30	40.28
All Other Work	$ 52.20	41.56
AREA 2	$ 41.99	32.86
AREA 3	$ 44.25	29.37

SHEE0104-003 07/01/2015

CALAVERAS AND SAN JOAQUIN COUNTIES:

	Rates	Fringes
SHEET METAL WORKER	$ 36.85	30.90

SHEE0104-005 07/01/2015

MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Excluding metal deck and siding)	$ 36.29	33.79

SHEE0104-007 07/01/2015

FRESNO, KINGS, AND MADERA COUNTIES:

	Rates	Fringes
SHEET METAL WORKER	$ 35.11	33.54

SHEE0104-015 07/01/2015

ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES:

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only)	$ 34.15	32.98

SHEE0104-018 07/01/2015

CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:

	Rates	Fringes
Sheet metal worker (Metal decking and siding only)	$ 34.15	32.98

TEAM0094-001 07/01/2015

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 28.57	25.22
GROUP 2	$ 28.87	25.22
GROUP 3	$ 29.17	25.22
GROUP 4	$ 29.52	25.22
GROUP 5	$ 29.87	25.22

FOOTNOTES:

Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate.

Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or personhaul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and "A" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 24 yds.; Transit

mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self- propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repairperson; Combination bootperson and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua/pak or water tank trailers; Helicopter pilots (when transporting men and materials); Lowbedk Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over and truck repairman

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

DIVISION IV

LOCAL AND STATE GENERAL PROVISIONS

LOCAL AND STATE GENERAL PROVISIONS

1. General. This contract work is subject to Federal, State, and Local Provisions. In case of conflict between Federal, State, or Local Provisions the most restrictive provision as determined by the Sponsor and approved by the FAA shall govern.

2. Extra Work. Should the Owner at any time during the progress of said work request any alterations, deviations, additions, or omissions from said specifications or working details or other contract documents, it shall be at liberty to do so; and the same shall in no way affect or make void the contract, but will be added to or deducted from the amount of said contract price, as the case may be, by a fair and reasonable valuation, agreed to in writing between the parties hereto. No extra work shall be performed or change be made unless in pursuance to a written order from the Owner, duly authorized by resolution of its governing body and by all agencies whose approval is required by law, stating that the extra work or change and the increased amount to be paid therefor is authorized. No claim for an addition to the contract sum shall be valid unless so ordered.

3. Maintenance of Traffic. Any vehicle operator who willfully violates the Traffic Control procedures contained in Item 40-05, Maintenance of Traffic, of these specifications will be requested, through the Contractor, to leave the job site as per Section 80-05 of these specifications. Also, if in the opinion of the Engineer, the negligence of any person or persons on or around an active runway is of sufficient magnitude as to cause danger to life and property, the Engineer shall have the right to stop all work on this contract for a period of forty-eight (48) hours as a contractual penalty.

   The Contractor, subcontractors, and all employees of the Contractor and/or subcontractors shall, by award of this contract, be governed by all rules and regulations of Madera Municipal Airport and by orders and/or instructions from the Airport Manager or Owner relative to the use or occupation of any part of the Airport property.

   During periods of active performance of work on the Airport by the Contractor, the operation of equipment will be governed by the safety provisions herein and as directed by the Engineer. At all other times, all equipment will be removed to locations approved by the Engineer at a distance no less than 75 feet from the centerline of any active runway and 40 feet from the centerline of any active taxiway plus any additional distance necessary to insure compliance with safety provisions.

   Whenever the Contractor utilizes any public roads, aprons, taxiways, or any other paved areas on the Airport, he shall keep the pavement in a broom-clean condition at all times.

   It will be necessary to maintain air traffic upon the various runways, taxiways, and aprons during the period of construction. The order and time at which the various runways, taxiways, and aprons may be closed shall be subject to the approval of the Owner and as shown in Appendix A, *Construction Safety and Phasing Plan.*

The order and schedule of construction will depend upon the type and amount of equipment that the Contractor proposes to use on the work. After conference with Airport Management, FAA, and the Engineer and before beginning the work, the Contractor shall prepare and submit in writing and in chart form a schedule showing the anticipated time required and date of completion for each phase of the work.

The Contractor shall make his/her own estimate of all labor, materials, equipment, and incidentals necessary for providing the maintenance of aircraft and vehicular traffic as specified in this subsection.

When the contract requires the maintenance of vehicular traffic on an existing road, street, or highway during the Contractor's performance of work that is otherwise provided for in the contract, plans, and specifications, the Contractor shall keep such road, street, or highway open to all traffic and shall provide such maintenance as may be required to accommodate traffic. The contractor shall furnish, erect, and maintain barricades, warning signs, flagmen and other traffic control devices in reasonable conformity with the manual of Uniform Traffic Control Devices for Streets and Highways (published by the United States Government Printing Office), unless otherwise specified herein. The contractor shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways. Unless otherwise specified herein, the contractor will not be required to furnish snow removal for such existing road, street or highway.

The cost of maintaining the aircraft and vehicular traffic specified in this subsection shall not be measured or paid for directly, but shall be included in the various contract items.

The Contractor's personnel, subcontractors, and equipment shall be confined to the haul routes as shown on the Construction Layout and Safety Plan. At the locations where trucks or equipment are to cross an active road, the Contractor shall station suitable flagmen.

The Contractor shall maintain these crossings in a broom-clean condition at all times. No separate payment will be made for any cost in connection with the traffic control system.

4. Material Quality Requirements. All material in which the quality of the product such as gradations, Atterberg Limits, Sand Equivalent, CBR, etc., is specified, shall meet those specifications when in the final as-compacted conditions and not the conditions at the stockpile or source of supply. Any deviation from these requirements shall be corrected by removal and replacement with materials that conform to the specifications. When the materials removed are screened and/or blended and reincorporated in the work, the materials as placed shall meet all the specification requirements. It shall be the Contractor's responsibility to coordinate his/her materials production and construction procedures so that the final in-place product is acceptable.

5. Laws to be Observed. In addition to the general requirements included in Item 70-01 of the Federal General Provisions, Contractor's attention is directed to, and Contractor shall be

responsible for conducting the project in compliance with all laws of the State of California governing the construction of public works, including, without limitation, the following:

a. The California Health and Safety Code and all applicable administrative code regulations adopted pursuant thereto.

b. All laws governing the employment of labor, qualifications for employment of aliens, payment of employees, convict-made materials, domestic and foreign materials, and accident prevention.

c. Title XIX of the California Code of Regulations entitled, "Public Safety," Chapter 1, State Fire Marshal, subchapter 1, "General Fire and Panic Safety".

d. General Industrial Safety Orders. Contractor, and all subcontractors, shall observe and conform to the provisions of Title VIII of the California Code of Regulations relating to safe and proper use, construction, disposal, etc., of materials, machinery, and building appurtenances as therein set forth.

e. Rules and regulations of local utilities.

f. Local City and/or County ordinances.

g. Code rules and safety orders. All work and materials shall be in full accordance with the latest rules and regulations of the State Fire Marshal; the National Board of Fire Underwriters; the National Electrical Code; State Industrial Accident Commission's Safety Orders; the safety orders of the Division of Industrial Safety; and Department of Industrial Relations.

h. The Contractor shall conform to the requirements of Section 4216 of the Government Code, as latest amended, relating to subsurface installations.

All of the above laws and regulations are expressly incorporated in this contract, and are as much a part of the Contract Documents as if they were incorporated in their entirety in these general provisions.

Nothing in the specifications is to be construed to permit work not conforming to the above, and expense in compliance with the above work shall be borne by the Contractor. Whenever the specifications and working details require higher standards or larger sizes than those required by the ordinances, codes and statutes, the specifications and working details shall take priority over the ordinances, codes and statutes.

The Contractor shall not interpret the enumeration set forth above as being a complete listing of all applicable laws. It is the Contractor's responsibility to keep informed regarding the requirements of all applicable laws and to obey them, and Contractor agrees by execution of the Contract Documents to do so at his/her sole cost, expense, and risk.

All work, materials, work safety procedures and equipment shall be in full accordance with the latest Cal/OSHA rules and regulations.

Contractor warrants that Contractor and each of his/her subcontractors shall, in performance of this contract, comply with each and every compliance order issued pursuant to Cal/OSHA. The Contractor assumes full and total responsibility for compliance with Cal/OSHA standards by his/her subcontractors as well as by the Contractor. The cost of complying with any compliance order and/or payment of any penalty assessed pursuant to Cal/OSHA shall be borne by the Contractor. Contractor shall save, keep and hold harmless the Owner, and all officers, employees, and agents thereof, from all liabilities, costs, or expenses, in law or in equity, that may at any time arise or be set up because of Contractor's or a subcontractor's non-compliance or alleged non-compliance with Cal/OSHA requirements. Nothing contained herein shall be deemed to prevent the Contractor and his/her subcontractors from otherwise allocating between themselves responsibility for compliance with Cal/OSHA requirements; provided, however, that the Contractor shall not thereby be, in any manner whatsoever, relieved of his/her responsibility to the Owner as hereinabove set forth.

6. Laws Affecting Public Works. Attention to bidders is called to necessity of being familiar with the various Federal, state and local laws affecting public work, especially (but not limited to) those laws relating to hours of employment, minimum wages, payment of wages, sanitary and safety conditions for workers, worker's compensation insurance, type and kind of materials that can be used, non-discrimination in employment and affirmative action programs. Federal monies are to be utilized by Owner for this Project, and Contractor shall comply with applicable regulations and hold harmless the Owner for its failure to comply. Certain of those provisions are set forth herein. The existence of these provisions does not excuse the Contractor from complying with other statutory requirements or provisions which are not set forth in these contract documents.

7. Sanitary, Health, and Safety Provisions. It is a condition of this contract, and shall be made a condition of each subcontract entered into pursuant to this contract, that the Contractor and any subcontractor shall not require any laborer or mechanic employed in performance of the contract to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health or safety, as determined under Construction Safety and Health Standards Title 29, CFR, Part 1518, 36FR7340, promulgated by the U.S. Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act, 82 Stat. 96.

   The responsibility for maintaining a safe working site shall be the Contractor's, and the Owner or its representatives undertakes no obligation to suspend the work or notify the Contractor of any hazardous conditions or non-compliance with safety laws.

   In an emergency affecting the safety of life or property, including adjoining property, the Contractor, without previous instructions or authorizations from the Owner, is authorized and shall act at the Contractor's discretion and risk to prevent such threatened loss or injury, and Contractor shall bear all costs of such action. Contractor immediately shall notify the Engineer of such actions, and thereafter shall comply with any instructions issued by the Engineer.

8. Responsibility for Damage Claims. Contractor shall defend, indemnify and save harmless the City of Madera and all its officers, agents, and employees from any and all claims, demands, damages, costs, expenses, or liability occasioned by the performance or attempted performance of the provisions hereof or in any way arising out of this contract, including but not limited to, inverse condemnation, equitable relief, or any wrongful act, or any negligent act or omission to act on the part of the Contractor or any of his/her agents, employees, independent contractors, or subcontractors; provided, further, that the foregoing shall apply to any wrongful acts, or any actively or passively negligent acts or omissions to act, committed jointly or concurrently by the Contractor, the Contractor's agents, employees or independent contractors or subcontractors, and the Owner, its agents, employees, or independent contractors.

   Contractor shall further defend, indemnify and save harmless the Owner from any damages on account of any cause, including settlement and/or loss of lateral subjacent support of adjoining property, damage to utilities' or governmental agencies' equipment or installations, and from all loss or expense and from all damages for which the Owner may be liable as a consequence of such injury or damage to adjoining or adjacent property and/or structures, or equipment or installations, including those owned by the Owner.

   Any damage arising from or in consequence of the performance of this contract to tracks, pavement, curbs, sidewalks, walls, stairs, sewage and/or drainage structures, mains, pipes, valves, conduits, poles, wires, transformers, trees, shrubs, adjoining work, or to any other improvement or property above or below the surface of the ground, whether private or public, shall be repaired at once by Contractor without expense to the Owner, if the owner thereof consents.

   If, in the opinion of the Project Engineer, the best interest of the Owner requires such repair to be made prior to the execution of any further work, the Project Engineer will so notify the Contractor who shall delay or discontinue that part of the work until the necessary repair has been made. Such delay shall not be considered unavoidable and no extension for time of completion of this contract will be granted therefor.

   Upon the failure of the Contractor to comply with any such order, or upon Contractor's failure to make immediate emergency repairs which are necessary to protect the work, the Owner shall do such work itself as is necessary to protect life and property, in its sole discretion, and deduct the total cost of such work from the next progress payment.

   Such indemnity obligation expressly extends to and includes any and all claims, demands, damages, costs, expenses, or liability occasioned as a result of damages to adjacent property caused by the conduct of the work.

   Such indemnity obligation expressly extends to and includes any and all claims, demands, damages, costs, expenses, or liability occasioned as a result of the violation by Contractor, the Contractor's agents, employees, or independent contractors or subcontractors, of any provisions of Federal or State law.

   Such indemnity obligation also expressly extends to and includes any claims, demands, damages, costs, expenses, or liability occasioned by injury to or death of any person, or any property damage

to property owned by any person while on or about the premises of the work or as a result of the work, whether such persons are on or about the premises by right or not, whenever the work is alleged to have been a contributing cause in any degree whatsoever.

Nothing contained in the foregoing indemnity provisions shall be construed to require the Contractor to indemnify the Owner in contravention of Section 2782 of the Civil Code.

In the event the Contractor enters any agreement with the owners of any adjacent property to enter upon or adjacent to such property for the purpose of performing this contract, the Contractor shall fully indemnify, defend and save harmless such person, firm, or corporation, state or other governmental agency which owns or has any interest in such adjacent property. The form and content of such indemnification agreement shall be approved by the Owner prior to commencement of the work on or about such property. Contractor shall also indemnify the Owner as provided herein.

9. Contractor's Responsibility for Work. The Contractor shall be solely responsible for any and all work done by his/her subcontractors or other employees, and all orders or instructions from the Owner shall be through Contractor to them.

   Contractor is responsible for any loss or damage that may happen to the work or any part thereof during its progress; and also will make good any defects or flaws that may occur either in materials or construction during the progress of work or within one year after its completion and acceptance by the Owner.

10. Contractor's Responsibility for Utility Service and Facilities of Others. Not less than two full working days prior to performing any excavation, the Contractor shall notify Underground Service Alert (USA) by calling 811. The location of the subsurface installations shall be in accordance with Section 4216 of the Government Code, as latest amended. No excavation shall be performed until the subsurface installations have been located, hand-excavated and identified. The Contractor shall update the location of the subsurface installations in the proposed work area every 14 calendar days, as required.

11. Construction Controls to Prevent Air and Water Pollution

    Open Burning of Combustible Wastes. All State and local stipulations to minimize air pollution or danger from open burning shall govern. In addition, the following conditions shall be made a part of this construction contract under the Airport Improvement Program.

    a) No tires, oils, asphalt, paint, or coated metals are permitted in combustible waste piles.
    b) Burning will not be permitted within 1,000 feet of a residential or built-up area nor within 100 feet of any standing timber or flammable growth.
    c) Burning shall not be permitted unless the prevailing wind is away from a nearby town or built-up area.
    d) Burning shall not be permitted during a local air inversion or other climatic condition as would result in a pall of smoke over a nearby town or built-up area.

e) Burning shall not be permitted when the danger of brush or forest fires is made known by State, local, or Federal officials.

f) The size and number of fires shall be restricted to avoid the danger of brush or forest fires. Burning shall be done under surveillance of a watchman, who shall have fire-fighting equipment and tools readily available.

Alternatives to Open Burning:

a) Sound trees, stumps, and brush may be cut off within six inches above the ground and allowed to remain in areas outside of areas to be paved providing the depth of embankment will exceed three and one-half feet. Tap roots and other projections over one and one-half inches in diameter shall be grubbed-out to a depth of at least 18 inches below the finished subgrade or slope elevation. Spoil materials removed by clearing and grubbing may be buried outside of airport construction graded areas, paved or to be paved areas, existing or future runway sites, and taxiway safety or apron areas.

b) Wood may be salvaged for firewood or commercial use, or it may be chipped and disposed of for use as mulch.

c) Logs, brush, etc., may be removed to an authorized disposal area or disposed of to the general public without charge.

Air Pollution Controls:

a) Common construction operations which may cause excessive dust include:

1. Quarry drilling and rock crushing.
2. Clearing, grubbing, and stripping.
3. Excavation and placement of embankment.
4. Cement and aggregate handling.
5. Cement or lime stabilization.
6. Blasting.
7. Use of haul roads.
8. Sandblasting or grinding.

b) Other construction items which may cause air pollution are:

1. Volatiles escaping from asphalt and cutback materials.
2. Use of herbicides or fertilizers.
3. Smoke from asphalt plants or from heater/planers.

c) Control of dust and other air pollutants shall be made the responsibility of the Contractor and may include:

1. Drilling apparatus equipped with water or chemical dust controlling systems.
2. Exposing the minimum area of land.
3. Applying temporary mulch with or without seeding.
4. Use of water sprinkler trucks.
5. Use of covered haul trucks.
6. Use of stabilizing agents in solution.
7. Use of dust palliatives and penetration asphalt on temporary roads.
8. Use of wood chips in traffic and work areas.
9. Use of vacuum-equipped sandblasting systems.
10. Use of plastic sheet covering.
11. Restricting the application rate of herbicides to recommended dosage. Materials should be covered and protected from the elements. Application equipment and empty containers shall not be rinsed and discharged so as to pollute a stream, etc., or the ground water.
12. Bituminous mixing plants shall be equipped with a dust collector, to waste or return uniformly to the hot elevator all or any part of the material collected as stated in specification P-401 in Advisory Circular 150/5370-10, as latest revised.
13. Delay of operations until climate or wind conditions dissipate or inhibit the potential pollutants (see Paragraphs a and b above) in a manner satisfactory to the Engineer.

Permanent and Temporary Water Pollution Control (Soil Erosion).

Construction shall include temporary pollution control measures to insure that soil erosion which might cause water pollution is kept to a minimum. Such measures, as determined by the Engineer, may consist of construction of berms, dikes, dams, drains, and sediment basins, or use of fiber mats, woven plastic filter cloths or other erosion devices or methods.

a) Prior to the start of construction, the Contractor shall submit, for approval, his/her Storm Water Pollution Prevention Plan (SWPPP) as specified in Item P-148 of these specifications.

b) The Contractor shall complete all permanent erosion control features at the earliest practicable time.

c) In the event that temporary erosion and pollution control measures are required due to the Contractor's negligence, carelessness, or failure to install permanent controls in a timely manner, the work shall be performed by the Contractor at his/her own expense.

d) In case of repeated failures on the part of the Contractor to control erosion/pollution, the right is reserved by the Engineer to employ outside assistance to provide the necessary corrective measures. Such incurred costs, plus related engineering costs, shall be charged

to the Contractor and appropriate deductions made from the Contractor's progress payments.

Other Water Pollution Controls:

a) The Contractor shall not be permitted frequent fording of live streams with construction equipment; therefore, temporary bridges or other structures shall be used wherever such crossings adversely affect sediment levels and an appreciable number of stream crossings are necessary.

b) All waterways shall promptly be cleared by the Contractor of falsework, piling, debris, or other obstructions placed during construction work and not a part of the finished work.

c) Water from aggregate washing or other operations containing sediment shall be treated by filtration, a settling basin, or other means sufficient to reduce the sediment content to not more than that of the stream, etc., into which it is discharged.

d) Pollutants such as fuels, lubricants, bitumens, raw sewage, and other harmful materials shall not be discharged into or near rivers, streams, and impoundments or into natural or man-made channels leading thereto. Wash water or waste from concrete mixing or curing operations shall not be allowed to enter live streams, etc.

Conflict With Other Controls:

In the event of conflict between these requirements and pollution control laws, rules or regulations of other Federal, State, or local agencies, the more restrictive laws, rules or regulations shall apply.

12. Subletting of Contract.

Bidders are notified that Government Code Section 4102 provides as follows:

4102. Identification of subcontractors by bidders. Any officer, department, board, or commission taking bids for the construction of any public work or improvement shall provide in the Specifications prepared for the work or improvements or in the general conditions under which bids will be received for the doing of the work incident to the public work or improvement, that any person making a bid or offer to perform the work shall, in his/her bid or offer, set forth:

a. The name and the location of the place of business of each subcontractor who will perform work or labor or render service to the general contractor in or about the construction of the work or improvement in an amount in excess of one-half (1/2) of one percent (1%) of the general contractor's total bid.

b. The portion of the work which will be done by each subcontractor under the Act.

Pursuant to the provisions of Section 4100 to 4113, inclusive, of the Government Code of the State of California, the Contractor shall not without consent of the Owner, either:

a. Substitute any persons as subcontractors in place of the subcontractors designated in his/her original bid. (The Owner's consent can only be given in cases permitted by Government Code Section 4107.)

b. Permit any subcontractor to be assigned or transferred to allow any work to be performed by anyone other than the original subcontractor listed in his/her bid.

c. Other than in the performance of change orders, sublet or subcontract, any portion of the work in excess of one-half of one percent of his bid to which his/her original bid did not designate a subcontractor.

Should the Contractor violate any of the provisions of said Sections 4100 to 4113, inclusive, of the Government Code, his/her so doing shall be deemed a violation of this contract, and the Owner may cancel the contract, or may assess the Contractor a penalty in the amount not more than ten (10) percent of the amount of the subcontract involved, or may both cancel the contract and assess the penalty.

13. Execution and Progress. The work schedule shall include the hours of the day and the day of the week the Contractor is going to work.

Once the work schedule has been approved by the Engineer and after the start of the work, 48-hours prior notice is required to modify the work schedule.

An updated work schedule and the job progress status shall be submitted in writing at the weekly Coordination Meeting, except when the Contractor falls significantly behind, he/she shall submit an updated job schedule showing how he/she plans to make up the time to meet the schedule.

14. Partial Payments. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 7 days after the Contractor has received a partial payment. The Owner must ensure prompt and full payment of retainage from the prime contractor to the subcontractor within 10 days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented as required by the Owner. When the Owner has made an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.

From the total of the amount determined to be payable on a partial payment, 5 percent of such total amount will be deducted and retained by the owner until the final payment is made, except as may be provided (at the Contractor's option) in Subsection 90-08 titled PAYMENT OF WITHHELD FUNDS of this section. The balance (95 percent) of the amount payable, less all previous payments, shall be certified for payment. Should the Contractor exercise his/her option, as provided in Subsection 90-08 titled PAYMENT OF WITHHELD FUNDS of this section, no such 5 percent retainage shall be deducted.

When at least 95 percent of the work has been completed, the Engineer shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done.

The Owner may retain an amount not less than twice the contract value or estimated cost, whichever is greater, of the work remaining to be done. The remainder, less all previous payments and deductions, will then be certified for payment to the Contractor.

15. Project Closeout. The retention payment shall not be due and payable until the expiration of thirty-five (35) days from the filing and recording of the Notice of Completion of the work. The amount deducted from the final estimate and retained by the owner will be paid to the Contractor, except such amounts as are required to be withheld by properly executed and filed notices to stop payment, or as may be authorized by the Contract.

**** END OF SECTION ****

DIVISION V

SPECIAL CONDITIONS

SECTION SC

SPECIAL CONDITIONS

(1) LOCATION.

The site of the work is at Madera Municipal Airport, Madera, California. Prior to the submission of a bid, each bidder shall visit the site and acquaint themselves with local conditions, including but not limited to roads available, source of materials, water, electric power, and the relation of the finished grade to the existing grade.

(2) WORK TO BE DONE.

The work to be done consists of furnishing all materials, plant and equipment, and performing all necessary labor in accordance with the prepared plans, specifications, and special provisions as directed by the City or its authorized representative, as follows:

- Reconstruct General Aviation Apron (179,500 sq. ft.) including grading, drainage, paving, and marking
- Perform all work and furnish all materials incidental to the above and in accordance with the prepared plans, specifications and special provisions and/or as directed by the City of Madera or its authorized representative.

(3) PLANS AND SPECIFICATIONS.

The work shall conform to the plans and specifications marked, *"Madera Municipal Airport, Madera, California, Reconstruct General Aviation Apron Phase 2,* http://www.cityoforoville.org/index.aspx?page=257 *No. 3-06-0144-27-2016, Project 216-1."*

In case of conflict between the plans, specifications and other contract documents, these documents shall govern in the following order:

1st - Change Order or Supplemental Agreement
2nd - Addendum to the Plans and Specifications
3rd - FAA Technical Provisions
4th - Supplemental Technical Provisions
5th - Construction Plans
6th - Special Conditions
7th - FAA General Provisions
8th - Local and State General Provisions
9th - FAA Specifications and Advisory Circulars

(4) LIMITS OF CONSTRUCTION.

The Contractor's personnel and equipment shall be limited to the construction areas as shown on the plans and along the adjacent public areas by permission of the Project Engineer. Contractor agrees to implement such measures as are necessary to assure compliance with State and local regulations. Contractor agrees to limit all construction activities to the vicinity of the roads and shall maintain all road travel areas clear of equipment and personnel. Contractor further agrees to maintain all construction operations, equipment, and personnel clear of adjacent private property.

(5) PROGRESS OF WORK AND TIME OF COMPLETION.

All work under this contract including inspection and approval shall be completed within forty (40) working days as called for in the Advertisement for Bids and Instructions to Bidders. The counting of working days shall begin the first working day following receipt of Notice to Proceed issued by the Owner, or as indicated by Owner in the Notice to Proceed.

If said Contractor shall be delayed in said work by the acts or neglect of said Owner, or its employees, or those under it by contract or otherwise, or by changes ordered in the work, or by strike, lockouts, fire, unusual delay in transportation, unavoidable casualties or any causes beyond the Contractor's control, or by delay authorized by the Owner, or by any cause which the Owner shall decide to justify the delay, then the time of completion shall be extended for such reasonable time as the Owner agrees to in writing.

This article does not exclude the recovery of damages for delay by either party under other provisions in the Contract Documents.

(6) LIQUIDATED DAMAGES.

Liquidated damages will be charged against the Contractor in the amount of $2000 per day for each consecutive calendar day after the specified construction time that the Contractor uses to complete the project. In determining the number of days the contract, or portions thereof, remain incomplete, the completion date shall be the date of recommendation of acceptance of work and materials by the Engineer.

(7) CONSTRUCTION SCHEDULE.

The sequence of construction shall be as shown on the plans or as directed by the Engineer. The Contractor shall develop a schedule of operations. Contractor will be allowed to provide a schedule based on any commonly recognized computer program or by a simple bar chart. This schedule shall show the proposed construction schedule for various items and phases of work and shall also provide space to show the current status of the work. This schedule shall show both calendar and working days on the construction time line.

The Contractor shall submit eight (8) copies of the schedule for approval prior to or at the preconstruction conference. No work shall be started until the construction schedule has been approved.

The Contractor shall maintain a copy of this schedule on the project site. This schedule shall be updated and submitted to the Engineer for approval weekly.

(8) CLOSURES OF RUNWAYS, TAXIWAYS, AND APRONS

During the construction of this project, aircraft operations must be maintained at all times. The Contractor shall at all times remain at least 75 feet from the active runway centerlines and 40 feet from the active taxiway centerlines. If working within 75 feet of the runway centerline or 40 feet of the taxiway centerline, those surfaces will be closed to aircraft operations.

The Owner will provide a qualified flagger to monitor Unicom frequency 122.8 MHz, observe all aircraft operations, and be in constant communication with the Contractor. Contractor shall provide Owner's qualified flagger with means to communicate directly with the designated foreman controlling work.

Before any work is accomplished on or adjacent to the runways, taxiways or aprons which requires closure of the area, they shall be closed by the use of lighted barricades provided by the Contractor. The barricades shall be suitable lighted barricades to assure closure of portions of the Airport as shown on the plans or as directed by the Engineer unless otherwise shown. These barricades shall be 10" high low-profile water filled barricades. These barricades shall be spaced not more than four (4) feet apart and shall be weighted so that they will not be overturned by wind blast. Each barricade shall have two solar-powered lights with red lenses each controlled by photo cells such that they are on at night and off during the day. The barricades shall be painted alternate orange and white diagonal striping. The Contractor shall maintain these lighted barricades in good operating condition. Payment for the furnishing, maintaining, operating, and placing of lighted barricades will be made under Item P-149 of these specifications. Contractor shall deliver these barricades in good working order to the Owner and transfer the title to the Owner at the end of the project.

In areas of closure, some sign panels shall be covered as shown on the plans and specified in Item P-149 of these specifications.

It shall be the Contractor's responsibility to require all personnel to observe the safety requirements of the Airport to restrict all personnel and equipment to the work and storage areas assigned to the Contractor.

Contractor shall submit a plan and schedule at the Preconstruction Conference. The submitted Staging Plan shall detail location of closed area, barricade locations, and traffic routes. For details of the proposed staging of this work, see Sheet 2, Construction Layout and Safety Plan, of the construction drawings.

(9) HAULING ROUTES ON AIRPORT PROPERTY.

In order to avoid confusion with aircraft during the construction and to avoid damage to the existing pavement and to the adjacent lands, the Contractor's equipment shall be restricted to certain hauling routes as shown on the plans and directed by the Engineer. The road will be open to the

Contractor at all times throughout construction. If the Contractor should find that it is desirable to improve this road, he may do so but will receive no payment for any improvements that he may make. It shall be the responsibility of the Contractor to provide adequate safeguards, including flaggers, so that the operation of the Airport will not be hindered. In addition, it shall be the responsibility of the Contractor to repair any damage caused by his/her equipment to these paved areas. Vehicle loads shall not exceed legal highway load limits.

Access to the work areas will be from existing public roads. The Contractor shall obtain all necessary permits to enter the work areas from these roads; shall provide the necessary signs, marking and flagmen to protect the public in these areas. The Contractor shall grade, maintain and control dust on these haul roads during use.

After the contractor completes the project, the haul road and contractor's storage area shall be returned to the condition that existed prior to start of the project.

(10) CONTRACTOR'S STORAGE AND STAGING AREA.

The proposed location has been shown on the plans for the Contractor's storage and staging area at this site. It shall be the responsibility of the Contractor to determine the availability of water, power, gas, and electricity for this area. Contractor shall make all necessary arrangements to provide these services to meet his/her requirements.

The Contractor shall provide toilet facilities for Contractor/subcontractor personnel in this area. Such facilities shall conform to the requirements of the City of Madera Health Department. The Contractor shall not use Airport Manager's Office or terminal toilet facilities.

At completion of the contract, the Contractor shall remove all plant, equipment, stockpiles, etc., from the work area. Contractor shall restore all storage and staging areas and service roads to the original condition that existed prior to any work in the area. Contractor shall not receive any separate payment for any of this restoration or clean up.

(11) MARKING OF CONSTRUCTION EQUIPMENT.

All construction equipment shall display orange and white checkered flags, 3'x3'. These flags shall be so located on the equipment as to be plainly visible to all aircraft. During periods of low visibility, Contractor vehicles and equipment shall be equipped with yellow flashing lights mounted on the uppermost part of the vehicle structure. No equipment shall be parked on or over the paved area of the airfield or within the runway protection zone. Parking areas for equipment shall be as shown on the plans and designated by the Project Engineer.

(12) AIRCRAFT RIGHT OF WAY AND ACCESS.

Aircraft shall at all times have the right of way. Aircraft shall have access to all airport facilities at all times, except the area of general aviation apron on which construction is being performed. All aircraft shall at all times be protected from all equipment, materials, and dust.

Contractor will be required to initiate effective dust control measures as needed at no additional cost to Owner.

Contractor's personnel and equipment shall at no time occupy or travel on any airport pavement that is used for aircraft operations unless directed by Airport Manager or Resident Engineer.

(13) PROTECTION OF CABLES, CONTROLS, NAVAIDS AND WEATHER BUREAU FACILITIES.

Due to the critical nature of certain utilities to the operation of the Airport, the following Special Provisions for Protection of Cables, Controls, and Navaids shall apply:

The Contractor is hereby informed that there are installed on the Airport certain structural facilities served by underground cable and other electric power cables serving other facilities. Such facilities and electric cables must be fully protected during the entire construction time. Work under this contract can be accomplished in the vicinity of these facilities and cables only at approved periods of time. Approval is subject to withdrawal at any time because of changes in weather, emergency conditions on the existing airfield areas, anticipation of emergency conditions, and for any other reason determined by the Engineer acting under the orders and instructions of the airport management. Any instructions to the Contractor to clear any given area, at any time, by the Engineer or Airport Management (by radio or other means) shall be immediately executed. Construction work shall be commenced in the cleared area only when additional instructions are issued by the proper authorities.

Power and control cables leading to and from any facilities will be marked in the field by the Engineer for the information of the Contractor before any work in their general vicinity is started. Thereafter, through the entire time of this construction, they shall be protected from any possible damage, including crossing with unauthorized equipment, etc.

Not less than two full working days prior to performing any excavation, the Contractor shall notify Underground Service Alert (USA) by calling 811. The location of the subsurface installations shall be in accordance with Section 4216 of the Government Code, as latest amended. No excavation shall be performed until the subsurface installations have been located, hand-excavated and identified. These special conditions intend to make perfectly clear the need for protection of cables and other electrical facilities by this Contractor at all times.

These special provisions intend to make perfectly clear the need for protection of cables and other electrical facilities by this Contractor at all times.

The Contractor shall immediately repair, with identical material by skilled workmen, any underground cables serving airport facilities that are damaged by his/her workers, equipment, or work. Prior approval of the Engineer or of the representative designated by Airport Management must be obtained for the materials, workers, time of day or night, and for the method of repairs for any temporary or permanent repairs the Contractor proposes to make to any airport facilities and cables damaged by this Contractor.

It is recognized that the Owner will incur costs for employees' salaries, engineering fees and otherwise in connection with the damage, inspection and repair of any such damage caused by the Contractor; and consequently that the Owner may incur loss of income from interruption of the use of utilities; and that such expenses and loss of income are not measurable now and may not be reasonably ascertainable at the time of any incident caused by the Contractor. The Owner and the Contractor hereby agree to the assessment of liquidated damages in lieu of such expenses or other damages incurred by the Owner. In addition to the obligation of the Contractor to immediately repair any utilities damaged by the Contractor as set forth above, the sum of $300 shall be deducted from any money due the Contractor; or if no money is due the Contractor, the Owner shall have the right to recover said sum or sums from the Contractor, from the surety, or from both. The amount of these deductions is not considered a penalty.

(14) AIRPORT SECURITY.

During the course of the contract, the Contractor shall be responsible for maintaining security against unauthorized access to the Airport. The Contractor will be held responsible for any fines, damages, or civil penalties filed against the Owner for the Contractor's failure to maintain the regulations set forth herein.

In accordance with the requirements of the Federal Aviation Administration as set forth in FAR 107.11(F), the Contractor shall take all steps necessary to assure Owner that the backgrounds of all employees have been checked to the extent necessary to assure that permitting them unescorted access to any area on the airport controlled for security reasons is appropriate. This background check, to the extent allowable by law, shall include at a minimum references and prior employment histories to the extent necessary to verify representations made by the employee relating to employment in the preceding 5 years.

All equipment, vehicle and personnel travel shall be restricted to designated work sites.

Only vehicles used for construction purposes shall enter the work boundaries. Contractor personnel and construction vehicle parking will be restricted to the designated staging area as shown on the plans. All vehicles shall have identifying markings on them that show that they are authorized on the Airport. All personnel working on the airport shall wear identification such as badges or hard hats with contractor's logo to show that they are authorized on the airport.

All security measures must be coordinated with Airport Management and the Engineer and must be approved prior to implementation.

Only Contractor and subcontractor employees are permitted in the work sites. They must enter and exit the airport areas restricted to public access and airport operations area only through the designated Contractor gate. The gate used by the Contractor shall remain closed at all times except when authorized equipment is actually entering the airport or gate is continuously guarded to keep unauthorized persons and wildlife from entering the airport.

In the event of an emergency, personnel and equipment shall be moved immediately at the direction of Airport Management or the Engineer.

(15) **AVIATION SAFETY REQUIREMENTS DURING CONSTRUCTION (AC 150/5370-2F)** An Airport Construction Safety and Phasing Plan (CSPP) has been prepared to outline all safety issues related to the proposed construction. This CSPP is included in these specifications as Appendix A. The Contractor will be required to submit all reports designated in the CSPP and implement all safety measures set forth in this plan.

A. **SAFETY PLAN COMPLIANCE DOCUMENT** – Prior to issuance of Notice to Proceed by the Owner, the Contractor shall complete a Safety Plan Compliance Document (SPCD) detailing how he/she will comply with the Construction Safety and Phasing Plan (CSPP). The SPCD should include a general statement by the construction contractor that he/she has read and will abide by the CSPP. In addition, the SPCD must include all supplemental information that could not be included in the CSPP prior to the contract award. The contractor statement should include the name of the contractor, the title of the project CSPP, the approval date of the CSPP, and a reference to any supplemental information (that is, "I , Name of Contractor , have read the Title of Project CSPP, approved on Date , and will abide by it as written and with the following additions as noted:"). The supplemental information in the SPCD should be written to match the format of the CSPP indicating each subject by corresponding CSPP subject number and title. If no supplemental information is necessary for any specific subject, the statement, "No supplemental information," should be written after the corresponding subject title. The SPCD should not duplicate information in the CSPP.

This SPCD shall be submitted to the Owner for approval prior to start of construction and shall include the following:

(1) **Coordination.** Discuss details of proposed safety meetings with the airport operator and with contractor employees and subcontractors.

(2) **Phasing.** Discuss proposed construction schedule elements, including:

(a) Duration of each phase.

(b) Daily start and finish of construction, including "night only" construction.

(c) Duration of construction activities.

(3) **Protection of NAVAIDs.** Discuss specific methods proposed to protect operating NAVAIDs.

(4) **Contractor access.** Provide the following:

(a) Details on how the contractor will maintain the integrity of the airport security fence (gate guards, daily log of construction personnel, and other).

(b) Listing of individuals requiring driver training (for certificated airports and as requested).

(c) Radio communications.

(i) Types of radios and backup capabilities.

(ii) Who will be monitoring radios.

(iii) Whom to contact if the Owner cannot reach the contractor's designated person by radio.

(d) Details on how the contractor will escort material delivery vehicles.

(5) Wildlife management. Discuss the following:

(a) Methods and procedures to prevent wildlife attraction.

(b) Wildlife reporting procedures.

(6) Foreign Object Debris (FOD) management. Discuss equipment and methods for control of FOD, including construction debris and dust.

(7) Hazardous material (HAZMAT) management. Discuss equipment and methods for responding to hazardous spills.

(8) Notification of construction activities. Provide the following:

(a) Contractor points of contact.

(b) Contractor emergency contact.

(c) Listing of tall or other requested equipment proposed for use on the airport and the timeframe for submitting 7460-1 forms not previously submitted by the airport operator.

(d) Batch plant details, including 7460-1 submittal.

(9) Inspection requirements. Discuss daily (or more frequent) inspections and special inspection procedures.

(10) Underground utilities. Discuss proposed methods of identifying and protecting underground utilities.

(11) Special conditions. Discuss proposed actions for each special condition identified in the CSPP.

(12) Runway and taxiway visual aids. Including marking, lighting, signs, and visual NAVAIDs. Discuss proposed visual aids including the following:

(a) Equipment and methods for covering signage and airfield lights.

(b) Equipment and methods for temporary closure markings (paint, fabric, other).

(c) Types of temporary Visual Guidance Slope Indicators (VGSI).

(13) Marking and signs for access routes. Discuss proposed methods of demarcating access routes for vehicle drivers.

(14) Hazard marking and lighting. Discuss proposed equipment and methods for identifying excavation areas.

(15) Protection of runway and taxiway safety areas. including object free areas, obstacle free zones, and approach/departure surfaces. Discuss proposed methods of identifying, demarcating, and protecting airport surfaces including:

(a) Equipment and methods for maintaining Taxiway Safety Area standards.

(b) Equipment and methods for separation of construction operations from aircraft operations, including details of barricades.

B. GENERAL SAFETY REQUIREMENTS

Throughout the construction project, the following safety and operational practices should be observed:

- Operational safety should be a standing agenda item during progress meetings throughout the construction project.
- The contractor and airport operator shall perform onsite inspections throughout the project, with immediate remedy of any deficiencies, whether caused by negligence, oversight, or project scope change.
- Airport runways and taxiways remain in use by aircraft at all times.
- Aircraft use of areas near the contractor's work will be controlled to minimize disturbance to the contractor's operation.
- Contractor, sub-contractor, and supplier employees or any other unauthorized persons must be restricted from entering or remaining in airport area that would be hazardous.
- The runway shall remain open at all times. When construction is being performed within the safety area of an active runway or taxiway, those surfaces will be closed to aircraft operations.
- The contracting officer, airport operator, or other designated airport representative may order the contractor to suspend operations; move personnel, equipment, and materials to a safe location; and stand by for emergency or other safety reasons.

C. CONSTRUCTION MAINTENANCE AND FACILITIES MAINTAINANCE

Before beginning any construction activity, the Owner (Airport) will give notice (using the Notice to Airmen (NOTAM) System) of proposed location, time, and date of commencement of construction. Upon completion of work and return of all such areas to standard conditions, the Owner will verify the cancellation of all notices issued via the NOTAM System. Throughout the duration of the construction project, the contractor must:

- Be aware of and understand the safety problems and hazards described in AC 150/5370-2, *Operational Safety on Airports During Construction*, and Appendix A, Construction Safety and Phasing Plan, of these specifications.
- Conduct activities so as not to violate any safety standards contained in AC 150/5370-2 or any of the references therein, and Appendix A, Construction Safety and Phasing Plan, of these specifications.
- Inspect all construction and storage areas as often as necessary to be aware of conditions.
- Promptly take all actions necessary to prevent or remedy any unsafe or potentially unsafe conditions as soon as they are discovered.

C. APPROACH CLEARANCE TO RUNWAYS

Runway thresholds must provide an unobstructed approach surface ratio over equipment and materials. (See Appendix 2 of AC 150/5300-13, *Airport Design*).

D. RUNWAY AND TAXIWAY SAFETY AREA (RSA and TSA)

No work shall be performed in the runway safety area (RSA). If construction operations occur in the taxiway safety area (TSA) these surfaces will be closed to aircraft operations.

(1) Procedures for protecting runway edges

- Limit construction to no closer than 75 feet from the runway centerline, unless the runway is closed.
- Prevent personnel, material, and/or equipment from penetrating OFZ.
- Coordinate construction activity with the Airport Manager, FAA Regional Airports Office, or Airports District Office.

Runway	Aircraft Approach Category	Airplane Design Group	RSA Width in Feet Divided by 2
12-30	B	II	75 ft.
7-25	Restricted		0

(2) Procedure for Protecting Runway ends

- Maintain the RSA from the runway threshold to a point at least the distance from the runway threshold as existed before construction activity, unless the runway is closed or restricted to aircraft operations requiring a RSA that is equal to the RSA length available during construction. This may involve the use of declared distances and partial runway closures.
- Ensure all personnel, materials, and/or equipment are clear of the applicable threshold sitting criteria surface as defined in Article 303, "Runway End Siting Requirements," of AC 150/5300-13A.

- Prevent personnel, material and/or equipment, from penetrating the OFZ.
- Ensure adequate distance for blast protection is provided, as needed.
- Coordinate construction activity with the Airport Manager, FAA Regional Division Office.
- Contractor shall keep all personnel, equipment, and materials out of all areas within 1,000 feet beyond the end of the runway and 250 feet from the centerline of the runway.

Runway End Number	Airplane Design Group	Aircraft Approach Category	Minimum Safety Area Behind Threshold	Minimum Unobstructed Approach Slope
12	B	II	300 ft.	20:1
30	B	II	300 ft.	20:1
7	-	-	300 ft.	20:1
25	-	-	300 ft.	20:1

E. CLOSED RUNWAY MARKINGS AND LIGHTING

Closed runway markings are not required.

F. HAZARDOUS AREA MARKING AND LIGHTING

Hazardous areas shall be marked with barricades as shown on the plans and directed by the Engineer. The markings restrict access and make hazards obvious to personnel and vehicles. During periods of low visibility and at night, identify hazardous areas with suitable lighted barricades with flashing red lights having at least 5 candelas effective intensity for night marking. The hazardous area marking and lighting will be supplied by the contractor, and are depicted on the plans.

G. VEHICLE OPERATION MARKING AND CONTROL

(1) Vehicle and construction traffic shall be held off from all paved areas and not allowed to cross any active pavement area unless directed by Airport Manager or Resident Engineer. Any vehicle crossing an active pavement area shall be escorted and properly identified. To operate in those areas during daylight hours, the vehicle must have a flag or beacon attached to it. Any vehicle operating on the movement areas during hours of darkness or reduced visibility shall be equipped with a flashing dome type light, the color of which is in accordance with local or state codes.

(2) Contractor vehicles may only use the specified haul routes shown on the Construction Layout and Safety Plan. Contractor's vehicles must be identified by logo and will display a 3-foot orange and white checkerboard flag for day time operations and a flashing beacon for nighttime operations.

(3) Employee parking shall be in the Contractor's Staging Area as shown on the Construction Layout and Safety Plan and designated by the engineer.

(4) Access to the job site shall be as shown on the plans and as designated by the engineer.

H. NAVIGATIONAL AIDS

The Contractor must not conduct any construction activity within navigational aids' restricted areas without prior approval from the local FAA Airway Facilities sector representative. Navigational aids include instrument landing system components and very high-frequency omnidirectional range, airport surveillance radar. Such restricted areas are depicted on construction plans.

I. LIMITATIONS ON CONSTRUCTION

Additional limitations on construction shall include:

(1) Prohibit open-flame welding or torch cutting operations unless adequate fire safety precautions are provided and these operations have been authorized by the engineer.

(2) Prominently mark open trenches, excavations, and stockpiled materials at the construction site with alternating orange and white flags and light these obstacles during hours of restricted visibility and darkness.

(3) Marking and lighting of closed, deceptive, and hazardous areas on roads, as appropriate.

(4) Constrain stockpiled material to prevent its movement as a result of the maximum anticipated aircraft blast and forecast wind conditions.

J. RADIO COMMUNICATIONS

Vehicular traffic located in or crossing an active movement area will be escorted by the Owner's flagger who will have a working two-way radio tuned to Unicom frequency 122.8. The driver, through personal observation, should confirm that no aircraft is approaching the vehicle position. Two-way radio communications between contractors and Owner/Inspector are required on Unicom frequency 122.8 MHz. Continuous monitoring is required.

K. DEBRIS

Waste and loose material must not be placed in active movement areas. Materials tracked onto these areas must be removed continuously during the work project. Contractor shall keep the airfield pavements broom clean at all times. Contractor shall keep existing pavements from damage.

(16) PRECONSTRUCTION CONFERENCE.

A preconstruction conference shall be held by the Sponsor or an authorized agent to discuss operational safety, testing, quality control, quality assurance, security, safety, labor requirements, environmental factors, and other issues. The preconstruction conference shall be conducted after the contract has been awarded and before issuance of the notice to proceed.

The Contractor shall be prepared to bring to this preconstruction conference his/her proposed project schedule, Safety Plan Compliance Document (SPCD), Quality Control Program, and Storm Water Pollution Prevention Program (SWPPP). No work can be started on this project until these documents have been approved by the Engineer.

(17) SUBMITTALS AND/OR SHOP DRAWINGS.

a) The specifications indicate the desired equipment and materials as to type and quality. Wherever proprietary names are listed in these specifications, it shall be interpreted that the words "or approved equal" follow, unless otherwise specified. The words "or approved equal" shall be interpreted as meaning equal in every respect as determined by the Engineer.

b) Prior to or at the Preconstruction Conference, the Contractor shall submit to the Engineer for approval a complete list of all equipment and materials intended to be used on the job. The list shall include the following information for each item.

Name of Item
FAA Specifications Number (If Any)
Manufacturer's Name
Manufacturer's Catalog Number
Size, Type and Rating

The Contractor shall submit a sufficient number of copies of the equipment and materials list for the Contractor's use and to allow the Owner to retain five (5) copies.

c) Within five (5) calendar days after Engineer's approval of the equipment and materials list, the Contractor shall submit to the Engineer for written approval copies of all shop drawings and all equipment and materials submittals. The shop drawings and equipment/materials submittals shall be complete showing all details.

d) The Contractor shall review and sign all shop drawings prior to submitting same for Engineer's approval. All shop drawings received without the Contractor's signature will be subject to return without review or comment.

It shall be the responsibility of the Contractor to specifically point out any variation or discrepancy between the shop drawings or manufacturers' instructions he submits and the Contract Documents. Failure by the Contractor to identify in the letter of transmittal any variation, discrepancy, or conflict with the contract drawings may result in the shop drawing or submittal being returned to the Contractor for resubmittal.

e) The shop drawings shall show completely the work to be done, but approval by the Engineer shall not be construed as waiving any of the requirements of the contract and particularly shall not be construed as relieving the Contractor of full responsibility for fitting his/her equipment in the spaces provided; or from responsibility to fulfill the contract at no extra cost to the Owner, within the completion time.

f) The Contractor shall submit a sufficient number of copies of all shop drawings and equipment and materials submittals for the Contractor's use and to allow the Owner to retain five (5) copies. Fax submittals will only be acceptable as preliminary submittals and are to be followed up with hard copies. E-mail submittals will be acceptable provided they are legible.

(18) SUBMITTAL AND SHOP DRAWING APPROVALS.

The Engineer will review all submittals and shop drawings and return them to the Contractor. If the Contractor's submittal or shop drawings are incomplete or the product submitted does not meet specification requirements, the Engineer will reject the submittal or shop drawing and the Contractor will be required to resubmit. Resubmittals shall address all comments from the Engineer. Partial resubmittals may be returned without action. The review of the first submittal and one resubmittal on any item will be made by the Engineer at no cost to the Contractor. The Contractor will be charged for and shall reimburse the Owner for the Engineer's costs of reviewing the second and each subsequent resubmittal. The Engineer's costs will be charged to the Owner and deducted from the Contractor's progress payments.

(19) CONSTRUCTION MANAGEMENT PLAN

The Contractor is responsible for all Quality Control (QC) during the construction of this project, including testing and inspection. The Owner is responsible for Quality Assurance (QA) to confirm that all work has been performed in accordance with the plans and specifications. A Construction Management Plan has been prepared and is included in Appendix B of these specifications. This plan outlines how this project will be managed during construction and includes construction management personnel and resumes, inspection procedures and frequencies, submittal process, quality control testing, quality assurance testing, and test result documentation. This plan shall be used as a guide to the Contractor in preparing Contractor’s Quality Control Program for this project.

The Contractor shall present his/her Quality Control Program to the Engineer for review and approval. The Contractor shall not begin any construction or production of materials to be incorporated into the completed work until the Quality Control Program has been approved by the Engineer.

For each item of work, the Contractor shall maintain a summary report of all testing and inspection results. This summary report shall tabulate the daily test results for each item of work. The summary reports shall be updated daily and formally submitted to the Engineer as requested, but not less than once per week. Simultaneously with the Contractor's request for final payment, the

Contractor shall submit three (3) sets of Quality Control Reports consisting of all testing and inspections conducted during the construction of the project. All test results shall be included in a typed summary table to be approved by the Engineer. Progress payments or portions thereof may be withheld if weekly summary reports are not submitted as stated herein.

(20) CONTRACTOR'S RECORD DRAWINGS.

The Owner shall provide the Contractor with one extra set of working plans and specifications which Contractor shall keep at the site of the work at all times. The following information shall be inserted and dimensioned on said drawings and specifications, in RED by the Contractor: The exact location of all installations in their finished condition, including all electrical installations; all changes in construction, materials and installed equipment; adequate dimensional data, both horizontal and vertical, to allow location of covered installations; the identification of changes authorized by change order, and the number of that change order. Upon completion of the work, said drawings and specifications shall be returned to the Design Engineer prior to the final payment.

Drawings shall be subject to the inspection of the Engineer at all times and shall be kept current weekly with all work instructions, change orders, and construction adjustments shown thereon and initialed by the Inspector.

Progress payments or portions thereof may be withheld if drawings are not maintained as stated above. At the final inspection the Contractor shall submit record drawings to the Inspector for review and comment by the Engineer. The work will not be formally accepted until the record drawings are accepted by the Engineer.

(21) OPERATION AND MAINTENANCE MANUALS.

For use in subsequent maintenance and operations, the Contractor shall furnish eight (8) bound and indexed copies of maintenance and operation information supplied by the manufacturer covering all equipment and systems included in the contract. The submittal shall include, but not be limited to:

Approved Equipment Submitted for the Project
Drawings
Illustrations
Parts Lists
Wiring Diagrams of Systems
Internal Wiring Diagrams and Circuit Board Schematics and Layout Drawings
Manufacturer's Recommended Spare Parts List
Name, Address and Phone Number of Nearest Parts and Service Agency
Systems Balance Data
Maintenance and Service Instructions, Including Recommended Lubrication
Operation Instructions
Software, Including Annotated Source Lists and Programs

This submittal is required for all mechanical, electrical, instrumentation, control, communications, sound, control or special equipment and systems. The Contractor shall submit the required data for review at least thirty (30) days prior to the final inspection date. Corrections, additions, and/or resubmittal of data shall be made as directed by the Engineer.

The Engineer, and other persons as he may designate, shall receive complete maintenance and operating instructions for all items included above prior to final inspection of the project.

(22) ANTI-TRUST ASSIGNMENT.

By execution of the Contract Documents, or any subcontract awarded by the Contractor, the Contractor or any subcontractor offers and agrees to assign and hereby does assign to the City all rights, title, and interest in and to all causes of action such Contractor or subcontractor may have under Section 4 of the Clayton Act (15 USC Section 15) or under the Cartright Act (Chapter 2 of Part 2 of Division 7 of the Business and Professions Code, commencing with Section 16700), arising from purchases of goods, services, or materials pursuant to this public works contract or subcontract. This assignment shall be made and shall become effective upon execution of the contract.

(23) CONTRACTOR NOT AGENT, NOR EMPLOYEE.

Neither the Contractor nor any subcontractor, or any officer, agent, or employee of either, is, nor shall they represent themselves to be, an officer, agent, or employee of the City for any purpose whatsoever.

No person employed by the Contractor, or by any subcontractors, is, nor shall they be construed to be, in any manner or for any purpose whatsoever, employees of the City.

(24) CONTRACTOR'S GUARANTEE

The Owner shall not, in any way or manner, be answerable or suffer loss, damage, expense or liability for any loss or damage that may happen to any building, work or equipment or any part thereof, or in, on, or about the same during its construction and before acceptance. Contractor unqualifiedly guarantees the first-class quality of all workmanship and of all materials, apparatus and equipment used or installed by the Contractor or by any subcontractor or supplier in the project which is the subject of this Contract, unless a lesser quality is expressly authorized in the Plans and Specifications, in which event Contractor shall conform with the Plans and Specifications or any written authorized deviation therefrom. In case of any defect in work, materials, apparatus or equipment, whether latent or patent, revealed to Owner within one (1) year of the date of acceptance of completion of this Contract by the Owner, the Contractor shall forthwith remedy such defect or defects without cost to the Owner.

(25) TESTING AND ACCEPTANCE OF MATERIALS

All materials in which quality of the product such as gradation, Atterberg Limits, sand equivalent, CBR, etc., is specified, shall meet those specifications when in the final as-compacted condition and not the condition at the stockpile or source of supply. Any deviation from these requirements shall be corrected by removal and replacement with materials that conform to the specifications. When the materials removed are screened and/or blended and reincorporated in the work, the materials as placed shall meet all specification requirements. It shall be the Contractor's responsibility to coordinate Contractor materials, production and construction procedures so that the final compacted product is acceptable.

On this project the Contractor will be required to provide Quality Control of all materials furnished and installed. This Quality Control will include providing and obtaining Engineer's approval of submittals of all materials and equipment that are supplied for the project and assuring that only approved materials are delivered and installed. The only other quality control work required would be to check materials, methods, and compaction of backfill for trenches.

A Quality Assurance program will be developed by the Sponsor and will be executed by the Resident Engineer. This Quality Assurance program will include checking of all submittals, checking materials that are furnished and installation of materials, and checking the quality and compaction of the backfill. The Sponsor will provide the Quality Assurance testing of all backfill materials and the Contractor, at his/her option, may also conduct any tests or inspections that he/she requires to assure that the quality specified is obtained.

(26) COORDINATION MEETING

In order to coordinate the work, a weekly meeting will be held in the Airport Manager's Office, Madera Municipal Airport.

The time of this meeting will be at the time initially agreed to by the Owner and Contractor after the start of construction. The Contractor's superintendent must attend these meetings.

At this weekly meeting the Contractor shall submit in writing an updated progress report for the total work and a schedule defining the work for the following two weeks. Except for emergencies or unforeseen circumstances, this schedule shall be followed.

(27) EXISTING CONDITIONS

Test borings and test pits have been excavated throughout the site and the results of these tests are available for inspection from the Design Engineer. These borings show the conditions prior to the start of any construction on the Airport property. The Owner assumes no responsibility for the accuracy of the data presented. The Contractor shall be responsible for obtaining and verifying any and all soils and subsoil data required to prepare his/her bid.

The Contractor shall be fully responsible for handling any water or water-related problems that may arise during the construction of this project without additional compensation over and above that provided for in the unit prices bid.

(28) DETERMINATION OF IN-PLACE DENSITY

Where the determination of in-place dry density for soil or aggregate materials is required, the Owner may determine the in-place density by the use of Nuclear Testing equipment or sand volume equipment.

This testing for density and moisture content shall conform to ASTM Designation D 6938, "In-Place Density and Water Content of Soil and Soil Aggregate in Place by Nuclear Methods (Shallow Depth)"; or ASTM Designation D 1556, "Test Method for Density and Unit Weight of Soil In Place by the Sand Cone Method".

In case of dispute in determination of the in-place dry density, the dry density as determined in accordance with ASTM Designation D 1556, "Test Method for Density and Unit Weight of Soil In Place by the Sand Cone Method," shall govern.

**** END OF SECTION ****

DIVISION VI

TECHNICAL PROVISIONS

PART A

DIVISION VI

FAA TECHNICAL PROVISIONS
ADVISORY CIRCULAR 150/5370-10G

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Item P-101 Surface Preparation

DESCRIPTION

101-1.1 This item shall consist of preparation of existing pavement surfaces for overlay, surface treatments, removal of existing pavement, and other miscellaneous items. The work shall be accomplished in accordance with these specifications and the applicable drawings.

EQUIPMENT

101-2.1 All equipment shall be specified here and in the following paragraphs or approved by the Engineer. The equipment shall not cause damage to the pavement to remain in place.

CONSTRUCTION

101-3.1 Removal of existing pavement.

a. Concrete pavement. Not applicable.

b. Asphalt concrete pavement. Asphalt concrete pavement to be removed shall be cut to the full depth of the bituminous material around the perimeter of the area to be removed. The pavement shall be removed so the joint for each layer of pavement replacement is offset 1 foot (30 cm) from the joint in the preceding layer. This does not apply if the removed pavement is to be replaced with concrete or soil. If the material is to be wasted on the airport site, it shall meet the following gradation:

GRADATION REQUIREMENTS	
Sieve Size	Percent Passing
1½ inch	100
1 inch	60-100
½ inch	40-80
No. 4	30-55
No. 16	15-35
No. 50	5-20
No. 200	2-8

101-3.2 Preparation of joints and cracks. Not applicable.

101-3.3 Removal of paint and rubber. Not applicable.

101-3.4 Concrete spall or failed asphaltic concrete pavement repair. Not applicable.

101-3.5 Cold milling. Not applicable.

101-3.6. Preparation of asphalt pavement surfaces. Not applicable.

101-3.7 Maintenance. The Contractor shall perform all maintenance work necessary to keep the pavement in a satisfactory condition until the full section is complete and accepted by the Engineer. The surface shall be kept clean and free from foreign material. The pavement shall be properly drained at all times. If cleaning is necessary or if the pavement becomes disturbed, any work repairs necessary shall be performed at the Contractor's expense.

101-3.8 Preparation of Joints in Rigid Pavement. Not applicable.

101-3.9 Preparation of Cracks in Flexible Pavement. Not applicable.

METHOD OF MEASUREMENT

101-4.1 Pavement removal. The unit of measurement for pavement removal shall be the number of square yards removed by the Contractor. Any pavement removed outside the limits of removal because the pavement was damaged by negligence on the part of the Contractor shall not be included in the measurement for payment.

BASIS OF PAYMENT

101-5.1 Payment. Payment shall be made at contract unit price for the unit of measurement as specified above. This price shall be full compensation for furnishing all materials and for all preparation, hauling, and placing of the material and for all labor, equipment, tools, and incidentals necessary to complete this item.

Item P 101-5.1	Pavement Removal	-	per square yard

MATERIAL REQUIREMENTS

ASTM D6690	Standard Specification For Joint And Crack Sealants, Hot Applied, For Concrete And Asphalt Pavements

END OF ITEM P-101

Item P-151 Clearing and Grubbing

DESCRIPTION

151-1.1 This item shall consist of clearing or clearing and grubbing, including the disposal of materials, for all areas within the limits designated on the plans or as required by the Engineer.

a. Clearing – Not Applicable.

b. Clearing and grubbing shall consist of clearing the surface of the ground of the designated areas of all trees, stumps, down timber, logs, snags, brush, undergrowth, hedges, heavy growth of grass or weeds, fences, structures, debris, and rubbish of any nature, natural obstructions or such material which in the opinion of the Engineer is unsuitable for the foundation of strips, pavements, or other required structures, including the grubbing of stumps, roots, matted roots, foundations, and the disposal from the project of all spoil materials resulting from clearing and grubbing.

CONSTRUCTION METHODS

151-2.1 General. The areas denoted on the plans to be cleared or cleared and grubbed shall be staked on the ground by the Engineer. The clearing and grubbing shall be done at a satisfactory distance in advance of the grading operations.

All spoil materials removed by clearing or by clearing and grubbing shall be disposed of in the designated waste disposal area, except when otherwise directed by the Engineer. As far as practicable, waste concrete and masonry shall be placed on slopes of embankments or channels. When embankments are constructed of such material, this material shall be placed in accordance with requirements for formation of embankments. Any broken concrete or masonry that cannot be used in construction and all other materials not considered suitable for use elsewhere, shall be disposed of by the Contractor. In no case shall any discarded materials be left in windrows or piles adjacent to or within the airport limits. The manner and location of disposal of materials shall be subject to the approval of the Engineer and shall not create an unsightly or objectionable view. When the Contractor is required to locate a disposal area outside the airport property limits, the Contractor shall obtain and file with the Engineer permission in writing from the property owner for the use of private property for this purpose.

Blasting shall not be allowed.

The removal of existing structure and utilities required to permit orderly progress of work shall be accomplished by local agencies, unless otherwise shown on the plans. Whenever a telephone or telegraph pole, pipeline, conduit, sewer, roadway, or other utility is encountered and must be removed or relocated, the Contractor shall advise the Engineer who will notify the proper local authority or owner to secure prompt action.

151-2.2 Clearing. Not Applicable.

151-2.3 Clearing and grubbing. In areas designated to be cleared and grubbed, all stumps, roots, buried logs, brush, grass, and other unsatisfactory materials shall be removed, except where embankments exceeding 3-1/2 feet (105 cm) in depth will be constructed outside of paved areas. For embankments constructed outside of paved areas, all unsatisfactory materials shall be removed, but sound trees, stumps, and brush can be cut off flush with the original ground and allowed to remain. Tap roots and other projections over 1-1/2 inches (38 mm) in diameter shall be grubbed out to a depth of at least 18 inches (0.5 m) below the finished subgrade or slope elevation.

Any buildings and miscellaneous structures that are shown on the plans to be removed shall be demolished or removed, and all materials shall be disposed of by removal from the site. The cost of removal is incidental to this item. The remaining or existing foundations, wells, cesspools, and like structures shall be destroyed by breaking down the materials of which the foundations, wells, cesspools, etc., are built to a depth at least 2 feet (60 cm) below the existing surrounding ground. Any broken concrete, blocks, or other objectionable material that cannot be used in backfill shall be removed and disposed of at the Contractor's expense. The holes or openings shall be backfilled with acceptable material and properly compacted.

All holes under embankment areas remaining after the grubbing operation shall have the sides of the holes flattened to facilitate filling with acceptable material and compacting as required in Item P-152. The same procedure shall be applied to all holes remaining after grubbing in areas where the depth of holes exceeds the depth of the proposed excavation.

METHOD OF MEASUREMENT

151-3.1 The quantities of clearing or clearing and grubbing as shown by the limits on the plans or as ordered by the Engineer shall be the number of acres or fractions thereof, of land specifically cleared or cleared and grubbed.

BASIS OF PAYMENT

151-4.1 Not Applicable.

151-4.2 Payment shall be made at the contract unit price per acre for clearing and grubbing. This price shall be full compensation for furnishing all materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-151-4.1	Not Applicable
Item P-151-4.2	Clearing and grubbing - per acre

END OF ITEM P-151

Item P-152 Excavation, Subgrade, and Embankment

DESCRIPTION

152-1.1 This item covers excavation, disposal, placement, and compaction of all materials within the limits of the work required to construct safety areas, runways, taxiways, aprons, and intermediate areas as well as other areas for drainage, building construction, parking, or other purposes in accordance with these specifications and in conformity to the dimensions and typical sections shown on the plans.

152-1.2 Classification. All material excavated shall be classified as defined below:

a. Unclassified excavation. Unclassified excavation shall consist of the excavation and disposal of all material, regardless of its nature, which is not otherwise classified and paid for under one of the following items**.**

b. Muck excavation. Muck excavation shall consist of the removal and disposal of deposits or mixtures of soils and organic matter not suitable for foundation material. Muck shall include materials that will decay or produce subsidence in the embankment. It may consist of decaying stumps, roots, logs, humus, or other material not satisfactory for incorporation in the embankment.

c. Drainage excavation. Drainage excavation shall consist of all excavation made for the primary purpose of drainage and includes drainage ditches, such as intercepting, inlet or outlet ditches; temporary levee construction; or any other type as shown on the plans.

d. Borrow excavation. Borrow excavation shall consist of approved material required for the construction of embankments or for other portions of the work in excess of the quantity of usable material available from required excavations. Borrow material shall be obtained from areas designated by the Engineer within the limits of the airport property but outside the normal limits of necessary grading, or from areas outside the airport boundaries.

152-1.3 Unsuitable excavation. Any material containing vegetable or organic matter, such as muck, peat, organic silt, or sod shall be considered unsuitable for use in embankment construction. Material, suitable for topsoil may be used on the embankment slope when approved by the Engineer.

CONSTRUCTION METHODS

152-2.1 General. Before beginning excavation, grading, and embankment operations in any area, the area shall be completely cleared and grubbed in accordance with Item P-151.

The suitability of material to be placed in embankments shall be subject to approval by the Engineer. All unsuitable material shall be disposed of in waste areas shown on the plans. All waste areas shall be graded to allow positive drainage of the area and of adjacent areas. The surface elevation of waste areas shall not extend above the surface elevation of adjacent usable areas of the airport, unless specified on the plans or approved by the Engineer.

When the Contractor's excavating operations encounter artifacts of historical or archaeological significance, the operations shall be temporarily discontinued and the Engineer notified per subsection 70-20. At the direction of the Engineer, the Contractor shall excavate the site in such a manner as to preserve the artifacts encountered and allow for their removal. Such excavation will be paid for as extra work.

Those areas outside of the limits of the pavement areas where the top layer of soil material has become compacted by hauling or other Contractor activities shall be scarified and disked to a depth of 4 inches (100 mm), to loosen and pulverize the soil.

If it is necessary to interrupt existing surface drainage, sewers or under-drainage, conduits, utilities, or similar underground structures, the Contractor shall be responsible for and shall take all necessary precautions to preserve them or provide temporary services. When such facilities are encountered, the Contractor shall notify the Engineer, who shall arrange for their removal if necessary. The Contractor, at his or her expense, shall satisfactorily repair or pay the cost of all damage to such facilities or structures that may result from any of the Contractor's operations during the period of the contract.

152-2.2 Excavation. No excavation shall be started until the work has been staked out by the Contractor and the Engineer has obtained from the Contractor, the survey notes of the elevations and measurements of the ground surface. All areas to be excavated shall be stripped of vegetation and topsoil. Topsoil shall be stockpiled for future use in areas designated on the plans or by the Engineer. All suitable excavated material shall be used in the formation of embankment, subgrade, or other purposes shown on the plans. All unsuitable material shall be disposed of as shown on the plans.

When the volume of the excavation exceeds that required to construct the embankments to the grades indicated, the excess shall be used to grade the areas of ultimate development or disposed as directed by the Engineer. When the volume of excavation is not sufficient for constructing the embankments to the grades indicated, the deficiency shall be obtained from borrow areas.

The grade shall be maintained so that the surface is well drained at all times. When necessary, temporary drains and drainage ditches shall be installed to intercept or divert surface water that may affect the work.

a. Selective grading. When selective grading is indicated on the plans, the more suitable material designated by the Engineer shall be used in constructing the embankment or in capping the pavement subgrade. If, at the time of excavation, it is not possible to place this material in its final location, it shall be stockpiled in approved areas so that it can be measured for payment as specified in paragraph 152-3.3.

b. Undercutting. Rock, shale, hardpan, loose rock, boulders, or other material unsatisfactory for safety areas, subgrades, roads, shoulders, or any areas intended for turf shall be excavated to a minimum depth of 12 inches (300 mm) below the subgrade or to the depth specified by the Engineer. Muck, peat, matted roots, or other yielding material, unsatisfactory for subgrade foundation, shall be removed to the depth specified. Unsuitable materials shall be disposed of at locations shown on the plans. This excavated material shall be paid for at the contract unit price per cubic yard (per cubic meter) for Muck Excavation. The excavated area shall be backfilled with suitable material obtained from the grading operations or borrow areas and compacted to specified densities. The necessary backfill will constitute a part of the embankment. Where rock cuts are made, backfill with select material. Any pockets created in the rock surface shall be drained in accordance with the details shown on the plans.

c. Overbreak. Overbreak, including slides, is that portion of any material displaced or loosened beyond the finished work as planned or authorized by the Engineer. All overbreak shall be graded or removed by the Contractor and disposed of as directed by the Engineer. The Engineer shall determine if the displacement of such material was unavoidable and his or her decision shall be final. Payment will not be made for the removal and disposal of overbreak that the Engineer determines as avoidable. Unavoidable overbreak will be classified as "Unclassified Excavation."

d. Removal of utilities. The removal of existing structures and utilities required to permit the orderly progress of work will be accomplished by someone other than the Contractor; for example, the utility unless otherwise shown on the plans. All existing foundations shall be excavated at least 2 feet (60 cm) below the top of subgrade or as indicated on the plans, and the material disposed of as directed by the Engineer. All foundations thus excavated shall be backfilled with suitable material and compacted as specified.

e. Compaction requirements. The subgrade under areas to be paved shall be compacted to a depth of 6 inches and to a density of not less than 95 percent of the maximum density as determined by ASTM D 1557. The material to be compacted shall be within ±2% of optimum moisture content before being rolled to obtain the prescribed compaction (except for expansive soils).

The in-place field density shall be determined in accordance with ASTM D1556 **or** ASTM D6938 using Procedure A, the direct transmission method, and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated in accordance with ASTM D6938. Stones or rock fragments larger than 4 inches (100 mm) in their greatest dimension will not be permitted in the top 6 inches (150 mm) of the subgrade. The finished grading operations, conforming to the typical cross-section, shall be completed and maintained at least 1,000 feet (300 m) ahead of the paving operations or as directed by the Engineer.

All loose or protruding rocks on the back slopes of cuts shall be pried loose or otherwise removed to the slope finished grade line. All cut-and-fill slopes shall be uniformly dressed to the slope, cross-section, and alignment shown on the plans or as directed by the Engineer.

Blasting shall not be allowed.

f. Proof rolling. After compaction is completed, the subgrade area shall be proof rolled with a heavy pneumatic-tired roller having four or more tires abreast, each tire loaded to a minimum of 30,000 pounds (13.6 metric tons) and inflated to a minimum of 125 psi (0.861 MPa) in the presence of the Engineer. Apply a minimum of 3 coverage, or as specified by the Engineer, to all paved areas. A coverage is defined as the application of one tire print over the designated area. Soft areas of subgrade that deflect more than 1 inch (25 mm) or show permanent deformation greater than 1 inch (25 mm) shall be removed and replaced with suitable material or reworked to conform to the moisture content and compaction requirements in accordance with these specifications.

152-2.3 Borrow excavation. Borrow areas within the airport property are indicated on the plans. Borrow excavation shall be made only at these designated locations and within the horizontal and vertical limits as staked or as directed by the Engineer.

When borrow sources are outside the boundaries of the airport property, it shall be the Contractor's responsibility to locate and obtain the borrow sources, subject to the approval of the Engineer. The Contractor shall notify the Engineer at least 15 days prior to beginning the excavation so necessary measurements and tests can be made. All borrow pits shall be opened up to expose the various strata of acceptable material to allow obtaining a uniform product. All unsuitable material shall be disposed of by the Contractor. Borrow pits shall be excavated to regular lines to permit accurate measurements, and they shall be drained and left in a neat, presentable condition with all slopes dressed uniformly.

152-2.4 Drainage excavation. Drainage excavation shall consist of excavating for drainage ditches such as intercepting; inlet or outlet ditches; for temporary levee construction; or for any other type as designed or as shown on the plans. The work shall be performed in sequence with the other construction. Intercepting ditches shall be constructed prior to starting adjacent excavation operations. All satisfactory material shall be placed in embankment fills; unsuitable material shall be placed in designated waste areas or as directed by the Engineer. All necessary work shall be performed true to final line, elevation, and cross-section. The Contractor shall maintain ditches constructed on the project to the required cross-section and shall keep them free of debris or obstructions until the project is accepted.

152-2.5 Preparation of embankment area. Where an embankment is to be constructed to a height of 4 feet (1.2 m) or less, all sod and vegetative matter shall be removed from the surface upon which the embankment is to be placed. The cleared surface shall be broken up by plowing or scarifying to a minimum depth of 6 inches (150 mm) and shall then be compacted as indicated in paragraph 152-2.6. When the height of fill is greater than 4 feet (1.2 m), sod not required to be removed shall be thoroughly disked and recompacted to the density of the surrounding ground before construction of embankment.

Sloped surfaces steeper than one (1) vertical to four (4) horizontal shall be plowed, stepped, benched, or broken up so that the fill material will bond with the existing material. When the subgrade is part fill and part excavation or natural ground, the excavated or natural ground portion shall be scarified to a depth of 12 inches (300 mm) and compacted as specified for the adjacent fill.

No direct payment shall be made for the work performed under this section. The necessary clearing and grubbing and the quantity of excavation removed will be paid for under the respective items of work.

152-2.6 Formation of embankments. Embankments shall be formed in successive horizontal layers of not more than 8 inches (200 mm) in loose depth for the full width of the cross-section, unless otherwise approved by the Engineer.

The layers shall be placed, to produce a soil structure as shown on the typical cross-section or as directed by the Engineer. Materials such as brush, hedge, roots, stumps, grass and other organic matter, shall not be incorporated or buried in the embankment.

Earthwork operations shall be suspended at any time when satisfactory results cannot be obtained because of rain, freezing, or other unsatisfactory weather conditions in the field. Frozen material shall not be placed in the embankment nor shall embankment be placed upon frozen material. Material shall not be placed on surfaces that are muddy, frozen, or contain frost. The Contractor shall drag, blade, or slope the embankment to provide surface drainage at all times.

The material in each layer shall be within ±2% of optimum moisture content before rolling to obtain the prescribed compaction. To achieve a uniform moisture content throughout the layer, the material shall be moistened or aerated as necessary. Samples of all embankment materials for testing, both before and after placement and compaction, will be taken for each 1,000 square yards of material placed per layer. Based on these tests, the Contractor shall make the necessary corrections and adjustments in methods, materials or moisture content to achieve the specified embankment density.

Rolling operations shall be continued until the embankment is compacted to not less than 95% of maximum density for noncohesive soils, and 90% of maximum density for cohesive soils as determined by ASTM D1557. Under all areas to be paved, the embankments shall be compacted to a depth of 6 inches and to a density of not less than 95 percent of the maximum density as determined by ASTM D 1557.

On all areas outside of the pavement areas, no compaction will be required on the top 4 inches (100 mm).

The in-place field density shall be determined in accordance with ASTM D1556 or ASTM 6938 using Procedure A, the direct transmission method, and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated in accordance with ASTM D6938. The Contractor's laboratory shall perform all density tests in the Engineer's presence and provide the test results upon completion to the Engineer for acceptance**.**

Compaction areas shall be kept separate, and no layer shall be covered by another layer until the proper density is obtained.

During construction of the embankment, the Contractor shall route all construction equipment evenly over the entire width of the embankment as each layer is placed. Layer placement shall begin in the deepest portion of the embankment fill. As placement progresses, the layers shall be constructed approximately parallel to the finished pavement grade line.

When rock and other embankment material are excavated at approximately the same time, the rock shall be incorporated into the outer portion of the embankment and the other material shall be incorporated under the future paved areas. Stones or fragmentary rock larger than 4 inches (100 mm) in their greatest dimensions will not be allowed in the top 6 inches (150 mm) of the subgrade. Rockfill shall be brought up in layers as specified or as directed by the Engineer and the finer material shall be used to fill the voids with forming a dense, compact mass. Rock or boulders shall not be disposed of outside the excavation or embankment areas, except at places and in the manner designated on the plans or by the Engineer.

When the excavated material consists predominantly of rock fragments of such size that the material cannot be placed in layers of the prescribed thickness without crushing, pulverizing or further breaking down the pieces, such material may be placed in the embankment as directed in layers not exceeding 2 feet (60 cm) in thickness. Each layer shall be leveled and smoothed with suitable equipment by distribution of spalls and

finer fragments of rock. The layer shall not be constructed above an elevation 4 feet (1.2 m) below the finished subgrade.

There will be no separate measurement of payment for compacted embankment. All costs incidental to placing in layers, compacting, discing, watering, mixing, sloping, and other operations necessary for construction of embankments will be included in the contract price for excavation, borrow, or other items.

152-2.7 Finishing and protection of subgrade. After the subgrade is substantially complete, the Contractor shall remove any soft or other unstable material over the full width of the subgrade that will not compact properly. All low areas, holes or depressions in the subgrade shall be brought to grade with suitable select material. Scarifying, blading, rolling and other methods shall be performed to provide a thoroughly compacted subgrade shaped to the lines and grades shown on the plans.

Grading of the subgrade shall be performed so that it will drain readily. The Contractor shall protect the subgrade from damage and limit hauling over the finished subgrade to only traffic essential for construction purposes. All ruts or rough places that develop in the completed subgrade shall be graded and recompacted.

No subbase, base, or surface course shall be placed on the subgrade until the subgrade has been approved by the Engineer.

152-2.8 Haul. All hauling will be considered a necessary and incidental part of the work. The Contractor shall include the cost in the contract unit price for the pay of items of work involved. No payment will be made separately or directly for hauling on any part of the work.

152-2.9 Tolerances. In those areas upon which a subbase or base course is to be placed, the top of the subgrade shall be of such smoothness that, when tested with a 12-foot (3.7-m) straightedge applied parallel and at right angles to the centerline, it shall not show any deviation in excess of 1/2 inch (12 mm), or shall not be more than 0.05 feet (15 mm) from true grade as established by grade hubs. Any deviation in excess of these amounts shall be corrected by loosening, adding, or removing materials; reshaping; and recompacting.

On safety areas, intermediate and other designated areas, the surface shall be of such smoothness that it will not vary more than 0.10 feet (3 mm) from true grade as established by grade hubs. Any deviation in excess of this amount shall be corrected by loosening, adding or removing materials, and reshaping.

152-2.10 Topsoil. Not applicable.

METHOD OF MEASUREMENT

152-3.1 The quantity of excavation to be paid for shall be the number of cubic yards measured in its original position. Measurement shall not include the quantity of materials excavated without authorization beyond normal slope lines, or the quantity of material used for purposes other than those directed.

152-3.2 Borrow material shall be paid for on the basis of the number of cubic yards measured in its original position at the borrow pit.

152-3.3 Stockpiled material shall be paid for on the basis of the number of cubic yards measured in the stockpiled position.

152-3.4 For payment specified by the cubic yard, measurement for all excavation or embankment shall be computed by the average end area method. The end area is that bound by the original ground line established by field cross-sections and the final theoretical pay line established by excavation or embankment cross-sections shown on the plans, subject to verification by the Engineer. After completion of all excavation or embankment operations and prior to the placing of base or subbase material, the final excavation or embankment shall be verified by the Engineer by means of field cross-sections taken randomly at intervals not exceeding 500 linear feet (150 m).

BASIS OF PAYMENT

152-4.1 "Unclassified excavation" payment shall be made at the contract unit price per cubic yard. This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

152-4.2 "Muck Excavation" payment shall be made at the contract unit price per cubic yard. This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-152-4.1	Unclassified Excavation - per cubic yard
Item P-152-4.2	Muck Excavation - per cubic yard

TESTING REQUIREMENTS

ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN-m/m^3))
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2700 kN-m/m^3))
ASTM D2167	Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method
ASTM D6938	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

END OF ITEM P-152

Item P-154 Subbase Course

DESCRIPTION

154-1.1 This item shall consist of a subbase course composed of granular materials constructed on a prepared subgrade or underlying course in accordance with these specifications, and in conformity with the dimensions and typical cross-section shown on the plans.

MATERIALS

154-2.1 Materials. The subbase material shall consist of hard durable particles or fragments of granular aggregates. This material will be mixed or blended with fine sand, clay, stone dust, or other similar binding or filler materials produced from approved sources. This mixture must be uniform and shall comply with the requirements of these specifications as to gradation, soil constants, and shall be capable of being compacted into a dense and stable subbase. The material shall be free from vegetative matter, lumps or excessive amounts of clay, and other objectionable or foreign substances. Pit-run material may be used, provided the material meets the gradation requirements specified.

Gradation Requirements

Sieve designation (square openings) as per ASTM C136 and ASTM D422	Percentage by weight passing sieves
3 inch (75 mm)	100
No. 10 (2.0 mm)	20-100
No. 40 (0.450 mm)	5-60
No. 200 (0.075 mm)	0-8

The portion of the material passing the No. 40 (0.450 mm) sieve shall have a liquid limit of not more than 25 and a plasticity index of not more than six (6) when tested in accordance with ASTM D4318.

The material finer than 0.02 mm shall be limited to a maximum of 3% and the maximum allowable material passing the No. 200 sieve shall be reduced from 0-8% to 0-5%. Testing per ASTM D422 will be required for the percentage passing the 0.02 mm particle size once per lot.

154-2.2 Sampling and testing. Material used on the project shall be sampled per ASTM D75 and tested per ASTM C136 and ASTM C117. Results shall be furnished to the Engineer by the Contractor prior to the start of construction and once per day during construction.

CONSTRUCTION METHODS

154-3.1 General. The subbase course shall be placed where designated on the plans or as directed by the Engineer. The material shall be shaped and thoroughly compacted within the tolerances specified.

Granular subbases which, due to grain sizes or shapes, are not sufficiently stable to support the construction equipment without movement, shall be mechanically stabilized to the depth necessary to provide stability as directed by the Engineer. The mechanical stabilization shall include the addition of a fine-grained medium to bind the particles of the subbase material sufficiently to furnish a bearing strength, so the course will not deform under construction equipment traffic. The addition of the binding medium to the subbase material shall not increase the soil constants of that material above the specified limits.

154-3.2 Operation in pits. The subbase material shall be obtained from pits or sources that have been approved by the Engineer. The material in the pits shall be excavated and handled to produce a uniform and satisfactory product. All work involved in clearing and stripping pits and handling unsuitable material encountered shall be performed by the Contractor. The cost of this work is incidental to this item.

154-3.3 Preparing underlying course. Prior to constructing the subbase course, clean the underlying course or subgrade of all foreign substances. The surface of the underlying course or subgrade shall meet specified compaction and surface tolerances. Correct ruts, or soft yielding spots, in the underlying courses and subgrade areas having inadequate compaction and deviations of the surface from the specified requirements by loosening and removing soft or unsatisfactory material and by adding approved material, reshaping to line and grade, and recompacting to specified density requirements. For cohesionless underlying courses or subgrades containing sands or gravels, as defined in ASTM D2487, the surface shall be stabilized prior to placement of the overlying course. Accomplish stabilization by mixing the overlying course material into the underlying course, and compacting by approved methods. The stabilized material shall be considered as part of the underlying course and shall meet all requirements for the underlying course. The finished underlying course shall not be disturbed by traffic or other operations and shall be maintained in a satisfactory condition until the overlying course is placed. The course shall be checked and accepted by the Engineer before placing and spreading operations are started.

To protect the subgrade and to ensure proper drainage, the spreading of the subbase shall begin along the centerline of the pavement on a crowned section or on the high side of pavements with a one-way slope.

154-3.4 Materials acceptance in existing condition. When the entire subbase material is in a uniform and satisfactory condition at approximately the required moisture content, the approved material may be moved directly to the spreading equipment for placing. The material may be obtained from gravel pits, stockpiles, or may be produced from a crushing and screening plant with proper blending. The materials from these sources shall meet the requirements for gradation, quality, and consistency. The intent of the specifications is to secure materials that will not require further mixing. The moisture content of the material shall be approximately that required to obtain maximum density. Any minor deficiency or excess in moisture content may be corrected by surface sprinkling or by aeration. Some mixing or aeration may be required prior to rolling to obtain the required moisture content. Blading or dragging, if necessary, shall be performed to obtain a smooth uniform surface true to line and grade.

154-3.5 Plant mixing. When materials from several sources will be blended and mixed, the subbase material shall be processed in a central or travel mixing plant. The subbase material, together with any blended material, shall be thoroughly mixed with the required amount of water. After the mixing is complete, the material shall be transported to and spread on the underlying course without undue loss of moisture content.

154-3.6 General methods for placing. The subbase course shall be constructed in layers of not less than 3 inches (75 mm) nor more than 8 inches (200 mm) of compacted thickness. The subbase material shall be deposited and spread evenly to a uniform thickness and width. The material, as spread, shall be of uniform gradation with no pockets of fine or coarse materials. The subbase, unless otherwise permitted by the Engineer, shall not be spread more than 2,000 square yards (1700 sq m) in advance of the rolling. Any necessary sprinkling shall be kept within this limit. No material shall be placed in snow or on a soft, muddy, or frozen course.

When more than one layer is required, the construction procedure described here shall apply similarly to each layer.

During the placing and spreading, sufficient caution shall be exercised to prevent the incorporation of subgrade, shoulder, or foreign material in the subbase course mixture.

154-3.7 Finishing and compacting. After spreading or mixing, the subbase material shall be thoroughly compacted by rolling and sprinkling, when necessary. Sufficient rollers shall be furnished to adequately handle the rate of placing and spreading of the subbase course.

The field density of the compacted material shall be at least 100% of the maximum density of laboratory specimens prepared from samples of the subbase material delivered to the jobsite. The laboratory specimens shall be compacted and tested in accordance with ASTM D 1556 or ASTM D6938 using Procedure A, the direct transmission method, and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated in accordance with ASTM D6938. The moisture content of the material at the start of compaction shall be within ±2% of the optimum moisture content. All testing shall be done by the Contractor's laboratory in the presence of the Engineer, and density test results shall be furnished upon completion to the Engineer for acceptance determination.

The course shall not be rolled when the underlying course is soft or yielding or when the rolling causes undulation in the subbase. When the rolling develops irregularities that exceed 3/8 inch (9 mm) when tested with a 12 feet (3.7 m) straightedge, the irregular surface shall be loosened and then refilled with the same kind of material as that used in constructing the course and again rolled as required above.

Along places inaccessible to rollers, the subbase material shall be tamped thoroughly with mechanical or hand tampers.

Sprinkling during rolling, if necessary, shall be by equipment approved by the Engineer. Water shall not be added in manner or quantity that allows free water to reach the underlying layer and cause it to become soft.

154-3.8 Surface tolerance. The surface of the top layer shall show no deviations in excess of 3/8 inch (9 mm) when tested with a 12-foot (3.7-m) straightedge. Take measurements in successive positions parallel to the centerline of the area to be paved. Measurements shall also be taken perpendicular to the centerline at 50 foot intervals. Correct deviations exceeding this amount by removing material and replacing with new material, or by reworking existing material and compacting it to meet these specifications.

154-3.9 Thickness control. The completed thickness of the course(s) shall be in accordance with the thickness and grade indicated on the drawings. The completed course shall not be more than 1/2 inch (12 mm) deficient in thickness nor more than 1/2 inch (12 mm) above or below the established grade. Where any of these tolerances are exceeded, correct such areas by scarifying, adding new material of proper gradation or removing material, and compacting, as directed. Where the measured thickness is 1/2 inch (12 mm) or more thicker than shown, the course will be considered as conforming with the specified thickness requirements plus 1/2 inch (12 mm). The average job thickness shall be the average of the job measurements as specified above but within 1/4 inch (6 mm) of the thickness shown. The thickness of the completed subbase course shall be determined by survey**.**

154-3.10 Protection. Work on subbase course shall not be conducted during freezing temperatures nor when the subgrade is wet. When the subbase material contains frozen material or when the underlying course is frozen, the construction shall be stopped. The Contractor shall protect and maintain the subgrade from yielding until the subbase is accepted.

154-3.11 Maintenance. The Contractor shall maintain the completed course in a satisfactory condition until accepted by the Engineer.

METHOD OF MEASUREMENT

154-4.1 Subbase course shall be measured by the number of cubic yards of subbase course material placed, compacted, and accepted in the completed course. The quantity of subbase course material shall be measured in final position by means of average end areas on the complete work computed from elevations to the nearest 0.01 foot (3 mm). On individual depth measurements, thicknesses more than 1/2 inch (12

mm) in excess of that shown on the plans shall be considered as the specified thickness plus 1/2 inch (12 mm) in computing the yardage for payment. Subbase materials shall not be included in any other excavation quantities.

BASIS OF PAYMENT

154-5.1 Payment shall be made at the contract unit price per cubic yard for subbase course. This price shall be full compensation for furnishing all materials; for all preparation, hauling, and placing of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-154-5.1	Subbase Course - per cubic yard

TESTING REQUIREMENTS

ASTM C117	Standard Test Method for Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C136	Standard Test Method for Sieve or Screen Analysis of Fine and Coarse Aggregates
ASTM D75	Standard Practice for Sampling Aggregates
ASTM D422	Standard Test Method for Particle-Size Analysis of Soils
ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN-m/m^3))
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 kN-m/m^3))
ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D4253	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6938	Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

END OF ITEM P-154

Item P-156 Temporary Air and Water Pollution, Soil Erosion, and Siltation Control

DESCRIPTION

156-1.1 This item shall consist of temporary control measures as shown on the plans or as ordered by the Engineer during the life of a contract to control water pollution, soil erosion, and siltation through the use of silt fences, berms, dikes, dams, sediment basins, fiber mats, gravel, mulches, grasses, slope drains, and other erosion control devices or methods.

The temporary erosion control measures contained herein shall be coordinated with the permanent erosion control measures specified as part of this contract to the extent practical to assure economical, effective, and continuous erosion control throughout the construction period.
Temporary control may include work outside the construction limits such as borrow pit operations, equipment and material storage sites, waste areas, and temporary plant sites.

Temporary control measures shall be design, installed and maintained to minimize the creation of wildlife attractants that have the potential to attract hazardous wildlife on or near public-use airports.

MATERIALS

156-2.1 Grass. Grass that will not compete with the grasses sown later for permanent cover per Item T-901shall be a quick-growing species (such as ryegrass, Italian ryegrass, or cereal grasses) suitable to the area providing a temporary cover. Selected grass species shall not create a wildlife attractant.

156-2.2 Mulches. Mulches may be hay, straw, fiber mats, netting, bark, wood chips, or other suitable material reasonably clean and free of noxious weeds and deleterious materials per ItemT-908. Mulches shall not create a wildlife attractant.

156-2.3 Fertilizer. Fertilizer shall be a standard commercial grade and shall conform to all Federal and state regulations and to the standards of the Association of Official Agricultural Chemists.

156-2.4 Slope drains. Slope drains may be constructed of pipe, fiber mats, rubble, Portland cement concrete, bituminous concrete, or other materials that will adequately control erosion.

156-2.5 Silt fence. The silt fence shall consist of polymeric filaments which are formed into a stable network such that filaments retain their relative positions. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six months of expected usable construction life. Silt fence shall meet the requirements of ASTM D6461.

156-2.6 Other. All other materials shall meet commercial grade standards and shall be approved by the Engineer before being incorporated into the project.

CONSTRUCTION REQUIREMENTS

156-3.1 General. In the event of conflict between these requirements and pollution control laws, rules, or regulations of other Federal, state, or local agencies, the more restrictive laws, rules, or regulations shall apply.

The Engineer shall be responsible for assuring compliance to the extent that construction practices, construction operations, and construction work are involved.

156-3.2 Schedule. Prior to the start of construction, the Contractor shall submit schedules for accomplishment of temporary and permanent erosion control work for clearing and grubbing; grading; construction; paving; and structures at watercourses. The Contractor shall also submit a proposed method of erosion and dust control on haul roads and borrow pits and a plan for disposal of waste materials. Work shall not be started until the erosion control schedules and methods of operation for the applicable construction have been accepted by the Engineer.

156-3.3 Construction details. The Contractor will be required to incorporate all permanent erosion control features into the project at the earliest practicable time as outlined in the accepted schedule. Except where future construction operations will damage slopes, the Contractor shall perform the permanent seeding and mulching and other specified slope protection work in stages, as soon as substantial areas of exposed slopes can be made available. Temporary erosion and pollution control measures will be used to correct conditions that develop during construction that were not foreseen during the design stage; that are needed prior to installation of permanent control features; or that are needed temporarily to control erosion that develops during normal construction practices, but are not associated with permanent control features on the project.

Where erosion may be a problem, clearing and grubbing operations should be scheduled and performed so that grading operations and permanent erosion control features can follow immediately if project conditions permit; otherwise, temporary erosion control measures may be required.

The Engineer shall limit the area of clearing and grubbing, excavation, borrow, and embankment operations in progress, commensurate with the Contractor's capability and progress in keeping the finish grading, mulching, seeding, and other such permanent control measures current with the accepted schedule. If seasonal limitations make such coordination unrealistic, temporary erosion control measures shall be taken immediately to the extent feasible and justified as directed by the Engineer.

The Contractor shall provide immediate permanent or temporary pollution control measures to minimize contamination of adjacent streams or other watercourses, lakes, ponds, or other areas of water impoundment as directed by the Engineer. If temporary erosion and pollution control measures are required due to the Contractor's negligence, carelessness, or failure to install permanent controls as a part of the work as scheduled or directed by the Engineer, the work shall be performed by the Contractor and the cost shall be incidental to this item.

The Engineer may increase or decrease the area of erodible earth material that can be exposed at any time based on an analysis of project conditions.

The erosion control features installed by the Contractor shall be acceptably maintained by the Contractor during the construction period.

Whenever construction equipment must cross watercourses at frequent intervals, temporary structures should be provided.

Pollutants such as fuels, lubricants, bitumen, raw sewage, wash water from concrete mixing operations, and other harmful materials shall not be discharged into any waterways, impoundments or into natural or manmade channels.

156-3.4 Installation, maintenance and removal of silt fences. Silt fences shall extend a minimum of 16 inches (41 cm) and a maximum of 34 inches (86 cm) above the ground surface. Posts shall be set no more than 10 feet (3 m) on center. Filter fabric shall be cut from a continuous roll to the length required minimizing joints where possible. When joints are necessary, the fabric shall be spliced at a support post with a minimum 12-inch (300-mm) overlap and securely sealed. A trench shall be excavated approximately 4 inches (100 mm) deep by 4 inches (100 mm) wide on the upslope side of the silt fence. The trench shall be backfilled and the soil compacted over the silt fence fabric. The Contractor shall remove and dispose of silt that accumulates during construction and prior to establishment of permanent erosion control. The fence shall be maintained in good working condition until permanent erosion control is established. Silt fence shall be removed upon approval of the Engineer.

METHOD OF MEASUREMENT

156-4.1 Not applicable.

156-4.2 Control work performed for protection of construction areas outside the construction limits, such as borrow and waste areas, haul roads, equipment and material storage sites, and temporary plant sites, will not be measured and paid for directly but shall be considered as a subsidiary obligation of the Contractor.

BASIS OF PAYMENT

156-5.1 Where other directed work falls within the specifications for a work item that has a contract price, the units of work shall be measured and paid for at the contract unit price bid for the various items.

Temporary control features not covered by contract items that are ordered by the Engineer will be paid for in accordance with Section 90-05 Payment for Extra work.

MATERIAL REQUIREMENTS

ASTM D6461	Standard Specification for Silt Fence Materials
AC 150/5200-33	Hazardous Wildlife Attractants

END OF ITEM P-156

Item P-209 Crushed Aggregate Base Course

DESCRIPTION

209-1.1 This item consists of a base course composed of crushed aggregate base constructed on a prepared course in accordance with these specifications and in conformity to the dimensions and typical cross-sections shown on the plans.

MATERIALS

209-2.1 Crushed aggregate base. Crushed aggregate shall consist of clean, sound, durable particles of crushed stone and crushed gravel, and shall be free from coatings of clay, silt, organic material, or other objectionable materials. Aggregates shall contain no clay lumps or balls. Fine aggregate passing the No. 4 (4.75 mm) sieve shall consist of fines from the coarse aggregate crushing operation. If necessary, fine aggregate may be added to produce the correct gradation. The fine aggregate shall be produced by crushing stone or gravel that meet the coarse aggregate requirements for wear and soundness.

The coarse aggregate portion, defined as the material retained on the No. 4 (4.75 mm) sieve, shall not have a loss of greater than 45% when tested per ASTM C131. The sodium sulfate soundness loss shall not exceed 12%, or the magnesium sulfate soundness loss shall not exceed 18%, after five cycles, when tested in accordance with ASTM C88. The aggregate shall contain no more than 15%, by weight, of flat, elongated, or flat and elongated particles per ASTM D4791. A flat particle is one having a ratio of width to thickness greater than 3; an elongated particle is one having a ratio of length to width greater than three (3). The aggregate shall have at least 90% by weight of particles with at least two fractured faces and 100% with at least one fractured face per ASTM D5821. The area of each face shall be equal to at least 75% of the smallest mid-sectional area of the piece. When two fractured faces are contiguous, the angle between the planes of fractures shall be at least 30 degrees to count as two fractured faces.

a. Sampling and testing for initial aggregate base requirements. Samples shall be taken by the Contractor in the presence of the Engineer. Material shall meet the requirements in paragraph 209-2.1 and 209-2.2. This sampling and testing will be the basis for approval of the aggregate base quality requirements.

209-2.2 Gradation requirements. The gradation of the aggregate base material shall meet the requirements of the gradation given in the following table when tested per ASTM C117 and ASTM C136. The gradation shall be well graded from coarse to fine as defined by ASTM D2487 and shall not vary from the lower limit on one sieve to the high limit on an adjacent sieve or vice versa. The fraction of material passing the No. 200 (0.075 mm) sieve shall not exceed one-half the fraction passing the No. 40 (0.45 mm) sieve.

The material finer than 0.02 mm shall be limited to a maximum of 3% and the maximum allowable material passing the No. 200 sieve shall be reduced from 0-8% to 0-5%. Testing per ASTM D422 will be required for the percentage passing the 0.02 mm particle size once per lot.

Requirements For Gradation Of Aggregate Base

Sieve Size	Design Range Percentage by Weight	Contractor's Final Gradation	Job Control Grading Band Tolerances for Contractor's Final Gradation Percent
2 inch (50 mm)	100		0
1-1/2 inch (38 mm)	95-100		±5
1 inch (25 mm)	70-95		±8
3/4 inch (19 mm)	55-85		±8
No. 4 (4.75 mm)	30-60		±8
No. 40 (0.45 mm)	10-30		±5
No. 200 (0.075 mm)	0-8		±3

The "Job Control Grading Band Tolerances for Contractor's Final Gradation" in the table shall be applied to "Contractor's Final Gradation" to establish a job control grading band. The full tolerance still applies if application of the tolerances results in a job control grading band outside the design range.

a. Sampling and testing for gradation. Gradation tests shall be performed by the Contractor per ASTM C136 and sieve analysis on material passing the No. 200 sieve (75 mm) per ASTM C117. The Contractor shall take at least two aggregate base samples per lot to check the final gradation. Sampling shall be per ASTM D75. The lot will be consistent with the lot size used for density. The samples shall be taken from the in-place, un-compacted material in the presence of the Engineer. Sampling points and intervals will be designated by the Engineer.

CONSTRUCTION METHODS

209-3.1 Preparing underlying subgrade and/or subbase. The underlying subgrade and/or subbase shall be checked and accepted by the Engineer before base course placing and spreading operations begin. Re-proof rolling of the subgrade or proof rolling of the subbase in accordance with P-152, at the Contractor's expense, may be required by the Engineer if the Contractor fails to ensure proper drainage or protect the subgrade and/or subbase. Any ruts or soft, yielding areas due to improper drainage conditions, hauling, or any other cause, shall be corrected before the base course is placed. To ensure proper drainage, the spreading of the base shall begin along the centerline of the pavement on a crowned section or on the high side of the pavement with a one-way slope.

209-3.2 Production. The aggregate shall be uniformly blended and, when at a satisfactory moisture content per paragraph 209-3.4, the approved material may be transported directly to the spreading equipment.

209-3.3 Placing. The aggregate base material shall be placed on the prepared underlying subgrade and/or subbase and compacted in layers to the thickness shown on the plans. Work shall progress without interruption. The material shall be deposited and spread in lanes in a uniform layer without segregation to such loose depth that, when compacted, the layer shall have the specified thickness. The aggregate base course shall be constructed in layers of uniform thickness of not less than 3 inches (75 mm) nor more than 6 inches (150 mm) of compacted thickness. The aggregate as spread shall be of uniform grading with no pockets of fine or coarse materials. The aggregate, unless otherwise permitted by the Engineer, shall not be

spread more than 2,000 square yards (1700 sq m) in advance of the rolling. Any necessary sprinkling shall be kept within these limits. Care shall be taken to prevent cutting into the underlying layer during spreading. No material shall be placed in snow or on a soft, muddy, or frozen course. The aggregate base material shall be spread by spreader boxes or other approved devices. This equipment shall have positive thickness controls that spread the aggregate in the required amount to avoid or minimize the need for hand manipulation. Dumping from vehicles that require re-handling shall not be permitted. Hauling over the uncompacted base course shall not be permitted.

When more than one layer is required, the construction procedure described herein shall apply similarly to each layer.

209-3.4 Compaction. Immediately after completion of the spreading operations, compact each layer of the base course, as specified, with approved compaction equipment. The number, type, and weight of rollers shall be sufficient to compact the material to the required density within the same day that the aggregate is placed on the subgrade. The moisture content of the material during placing operations shall be within ±2 percentage points of the optimum moisture content as determined by ASTM D6938 using Procedure A, the direct transmission method and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated per ASTM D6938.

209-3.5 Acceptance sampling and testing for density. Aggregate base course shall be accepted for density on a lot basis. A lot will consist of one day's production if it does not exceed 2,400 square yards (2000 sq m). A lot will consist of one-half day's production if a day's production consists of between 2,400 and 4,800 square yards (2000 and 4000 sq m). The Contractor's laboratory shall perform all density tests in the Engineer's presence and provide the test results upon completion daily to the Engineer for acceptance**.**

Each lot shall be divided into two equal sublots. One test shall be made for each sublot and shall consist of the average of two random locations for density determination. Sampling locations will be determined by the Engineer on a random basis per ASTM D3665.

Each lot will be accepted for density when the field density is at least 100% of the maximum density of laboratory specimens. The specimens shall be compacted and tested per ASTM D1557. The in-place field density shall be determined per ASTM D1556 or ASTM D6938 using Procedure A, the direct transmission method, and ASTM D6938 shall be used to determine the moisture content of the material. The machine shall be calibrated in accordance with ASTM D6938. If the specified density is not attained, the entire lot shall be reworked and/or recompacted and two additional random tests made at the Contractor's expense. This procedure shall be followed until the specified density is reached.

209-3.6 Surface tolerances. After the course has been compacted, the surface shall be tested for smoothness and accuracy of grade and crown. Any portion lacking the required smoothness or failing in accuracy of grade or crown shall be scarified to a depth of at least 3 inches (75 mm), reshaped and recompacted to grade. until the required smoothness and accuracy are obtained and approved by the Engineer. Any deviation in surface tolerances shall be corrected by the Contractor at the Contractor's expense. The smoothness and accuracy requirements specified here apply only to the top layer when base course is constructed in more than one layer.

a. Smoothness. The finished surface shall not vary more than 3/8 inch (9 mm) when tested with a 12-foot (3.7-m) straightedge applied parallel with and at right angles to the centerline. The straightedge shall be moved continuously at half the length of the 12-foot (3.7-m) straightedge for the full length of each line on a 50-foot (15-m) grid.

b. Accuracy. The grade and crown shall be measured on a 50-foot (15-m) grid and shall be within +0 and -1/2 inch (12 mm) of the specified grade.

209-3.7 Thickness control. The thickness of the base course shall be within +0 and -1/2 inch (12 mm) of the specified thickness as determined by depth tests taken by the Contractor in the presence of the Engineer. Tests shall be taken at intervals representing no more than 300 square yards (250 sq m) per test. Sampling locations will be determined by the Engineer per ASTM D3665. Where the thickness is deficient by more than 1/2 inch (12 mm), the Contractor shall correct such areas at no additional cost by scarifying to a depth of at least 3 inches (75 mm), adding new material of proper gradation, and the material shall be blended and recompacted to grade. Additional test holes may be required to identify the limits of deficient areas. The Contractor shall replace, at his expense, base material where depth tests have been taken.

209-3.8 Protection. Perform construction when the atmospheric temperature is above 35°F (2°C). When the temperature falls below 35°F (2°C), protect all completed areas by approved methods against detrimental effects of freezing. Correct completed areas damaged by freezing, rainfall, or other weather conditions to meet specified requirements. When the aggregates contain frozen materials or when the underlying course is frozen or wet, the construction shall be stopped. Hauling equipment may be routed over completed portions of the base course, provided no damage results. Equipment shall be routed over the full width of the base course to avoid rutting or uneven compaction. The Engineer will stop all hauling over completed or partially completed base course when, in the Engineer's opinion, such hauling is causing damage. Any damage to the base course shall be repaired by the Contractor at the Contractor's expense.

209-3.9 Maintenance. The Contractor shall maintain the base course in a satisfactory condition until the full pavement section is completed and accepted by the Engineer. The surface shall be kept clean and free from foreign material and properly drained at all times. Maintenance shall include immediate repairs to any defects and shall be repeated as often as necessary to keep the area intact. Any base course that is not paved over prior to the onset of winter shall be retested to verify that it still complies with the requirements of this specification. Any area of base course that is damaged shall be reworked or replaced as necessary to comply with this specification.

Equipment used in the construction of an adjoining section may be routed over completed base course, if no damage results and the equipment is routed over the full width of the base course to avoid rutting or uneven compaction.

The Contractor shall remove all survey and grade hubs from the base courses prior to placing any bituminous surface course.

METHOD OF MEASUREMENT

209-4.1 The quantity of crushed aggregate base course will be determined by measurement of the number of cubic yards of material actually constructed and accepted by the Engineer as complying with the plans and specifications. Base materials shall not be included in any other excavation quantities.

BASIS OF PAYMENT

209-5.1 Payment shall be made at the contract unit price per cubic yard for crushed aggregate base course. This price shall be full compensation for furnishing all materials, for preparing and placing these materials, and for all labor, equipment tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-209-5.1	Crushed Aggregate Base Course - per cubic yard

TESTING REQUIREMENTS

ASTM C29	Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate
ASTM C88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C117	Standard Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C136	Standard Test Method for Sieve or Screen Analysis of Fine and Coarse Aggregates
ASTM D75	Standard Practice for Sampling Aggregates
ASTM D422	Standard Test Method for Particle-Size Analysis of Soils
ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN-m/m^3))
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2700 kN-m/m^3))
ASTM D2167	Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method
ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D3665	Standard Practice for Random Sampling of Construction Materials
ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D4791	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate
ASTM D6938	Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

END OF ITEM P-209

ITEM P-401 HOT MIX ASPHALT (HMA) PAVEMENTS

Description

401-1.1 This item shall consist of pavement courses composed of mineral aggregate and an approved asphalt cement binder (asphalt binder) mixed in a central mixing plant and placed on a prepared course in accordance with these specifications and shall conform to the lines, grades, thicknesses, and typical cross sections shown on the plans. Each course shall be constructed to the depth, typical section, and elevation required by the plans and shall be rolled, finished and approved before placement of the next course.

Materials

401-2.1 AGGREGATE. Aggregates shall consist of crushed stone or crushed gravel crushed slag, screenings, natural sand and mineral filler as required. The aggregates should be free of ferrous sulfides, such as pyrite, that would cause "rust" staining that can bleed through pavement markings. The portion retained on the No. 4 sieve is coarse aggregate. The portion passing the No. 4 sieve and retained on the No. 200 sieve is fine aggregate and the portion passing the No. 200 sieve is mineral filler.

(a) **Coarse Aggregate.** Coarse aggregate shall consist of sound, tough, durable particles, free from films of matter that would prevent thorough coating and bonding with the bituminous material and be free from organic matter and other deleterious substances. The percentage of wear shall not be greater than 40 percent when tested in accordance with ASTM C 131. Sodium sulfate soundness loss shall not exceed 12 percent, or the magnesium sulfate soundness loss shall not exceed 18 percent, after five cycles, when tested in accordance with ASTM C 88. Clay lumps and friable particles shall not exceed 1.0% when tested in accordance with ASTM C142.

Aggregate shall contain at least 75 percent by weight of individual pieces having two or more fractured faces and 85 percent having at least one fractured face. The area of each face shall be equal to at least 75 percent of the smallest mid-sectional area of the piece. When two fractured faces are contiguous, the angle between planes of fractures shall be at least 30 degrees to count as two fractured faces. Fractured faces shall be obtained by crushing.

The aggregate shall not contain more than a total of 8 percent, by weight, of flat particles, elongated particles, and flat and elongated particles, when tested in accordance with ASTM D 4791 with a value of 5:1.

(b) **Fine Aggregate.** Fine aggregate shall consist of clean, sound, durable, angular shaped particles produced by crushing stone, slag, or gravel that meets requirements for wear and soundness specified for coarse aggregate. The aggregate particles shall be free from coatings of clay, silt, or other objectionable matter

Fine aggregate, including any blended material for the fine aggregate, shall have a plasticity index of not more than 6 and a liquid limit of not more than 25 when tested in accordance with ASTM D 4318.

The soundness loss shall not exceed 10% when sodium sulfate is used or 15% when magnesium sulfate is used, after five cycles, when tested per ASTM C88.

Clay lumps and friable particles shall not exceed 1.0%, by weight, when tested in accordance with ASTM C142.

Natural (non-manufactured) sand may be used to obtain gradation of aggregate blend or to improve the workability of the mix. The amount of sand to be added will be adjusted to produce mixtures conforming to requirements of this specification. The fine aggregate shall not contain more than 15 percent natural sand by weight of total aggregates. If used, the natural sand shall meet the requirements of ASTM D 1073 and shall have a plasticity index of not more than 6 and a liquid limit not more than 25 when tested in accordance with ASTM D 4318.

The aggregate shall have sand equivalent values of 45 or greater when tested in accordance with ASTM D 2419.

(c) **Sampling.** ASTM D75 shall be used in sampling coarse and fine aggregate, and ASTM C183 shall be used in sampling mineral filler.

401-2.2 MINERAL FILLER. If filler, in addition to that naturally present in the aggregate, is necessary, it shall meet requirements of ASTM D 242.

401-2.3 ASPHALT CEMENT BINDER. Asphalt cement binder shall conform to ASTM D6373 Performance Grade PG 70-10. A certificate of compliance from the manufacturer shall be included with the mix design submittal.

The supplier's certified test report with test data indicating grade certification for the asphalt binder shall be provided to the Engineer for each load at the time of delivery to the mix plant. A certified test report with test data indicating grade certification for the asphalt binder shall also be provided to the Engineer for any modification of the asphalt binder after delivery to the mix plant and before use in the HMA.

401-2.4 PRELIMINARY MATERIAL ACCEPTANCE. Prior to delivery of materials to the job site, the Contractor shall submit certified test reports to the Engineer for the following materials:

(a) **Coarse Aggregate.**

(1) Percent of wear.
(2) Soundness.
(3) Clay lumps and friable particles.
(4) Percent Fractured Faces
(5) Flat and Elongated Particles

(b) **Fine Aggregate.**

(1) Liquid limit and Plasticity index.
(2) Soundness
(3) Clay lumps and friable particles.
(4) Percent natural sand
(5) Sand equivalent.

(c) **Mineral Filler.**

(d) **Asphalt Binder** – Test results for asphalt binder shall include temperature/viscosity charts for mixing and compaction temperatures.

The certifications shall show the appropriate ASTM tests for each material, the test results, and a statement that the material meets the specification requirement.

The Engineer may request samples for testing, prior to and during production, to verify the quality of the materials and to ensure conformance with the applicable specifications.

401-2.5 ANTI-STRIPPING AGENT. Any anti-stripping agent or additive, if required, shall be heat stable, shall not change the asphalt cement viscosity beyond specifications, shall contain no harmful ingredients, shall be added in recommended proportion by approved method, and shall be a material approved by the Department of Transportation of the State of California.

Composition

401-3.1 COMPOSITION OF MIXTURE. The HMA mix shall be composed of a mixture of well-graded aggregate, filler and anti-strip agent if required, and asphalt binder. The several aggregate fractions shall be sized, handled in separate size groups, and combined in such proportions that the resulting mixture meets grading requirements of the job mix formula (JMF).

401-3.2 JOB MIX FORMULA. (JMF) No hot-mixed asphalt (HMA) for payment shall be produced until a job mix formula (JMF) has been approved in writing by the Engineer. The asphalt mix-design and JMF shall be prepared by an accredited laboratory that meets the requirements of paragraph 401-3.4. The HMA shall be designed using procedures contained in Asphalt Institute MS-2 Mix Design Manual, 7th Edition. ASTM D6926 shall be used for preparation of specimens using the

manually held and operated hammer for the mix design procedure. ASTM D6927 shall be used for testing for Marshall stability and flow.

If material variability exceeds the standard deviations indicated, the JMF and subsequent production targets shall be based on a stability greater than shown in Table 1 and the flow shall be targeted close to the mid-range of the criteria in order to meet the acceptance requirements.

Tensile strength ratio (TSR) of the composite mixture, as determined by ASTM D4867, shall not be less than 75 when tested at a saturation of 70-80% or an anti-stripping agent shall be added to the HMA, as necessary, to produce a TSR of not less than 75 when tested at a saturation of 70-80%. If an anti-strip agent is required, it shall be provided by the Contractor at no additional cost to the Owner.

The JMF shall be submitted in writing by the Contractor at least 30 days prior to the start of paving operations. The JMF shall be developed within the same construction season using aggregates currently being produced.

The submitted JMF shall be stamped or sealed by the responsible professional Engineer and shall include the following items as a minimum:

a. Percent passing each sieve size for total combined gradation, individual gradation of all aggregate stockpiles and percent by weight of each stockpile used in the job mix formula.

b. Percent of asphalt cement.

c. Asphalt performance grade and type of modifier if used.

d. Number of blows per side of molded specimen.

e. Laboratory mixing temperature.

f. Laboratory compaction temperature.

g. Temperature-viscosity relationship of the PG asphalt cement binder showing acceptable range of mixing and compaction temperatures; and for modified binders include supplier recommended mixing and compaction temperatures.

h. Plot of the combined gradation on a 0.45 power gradation curve.

i. Graphical plots of stability, flow, air voids, voids in the mineral aggregate, and unit weight versus asphalt content.

j. Specific Gravity and absorption of each aggregate.

k. Percent natural sand.

l. Percent fractured faces.

m. Percent by weight of flat particles**,** elongated particles, and flat and elongated particles (and criteria).

n. Tensile Strength Ratio (TSR).

o. Anti-strip agent (if required).

p. Date the JMF was developed. Mix designs that are not dated or which are from a prior construction season shall not be accepted.

The Contractor shall submit to the Engineer the results of verification testing of three (3) asphalt samples prepared at the optimum asphalt content. The average of the results of this testing shall indicate conformance with the JMF requirements specified in Tables 1 and 3.

When the project requires asphalt mixtures of differing aggregate gradations, a separate JMF and the results of JMF verification testing shall be prepared for each mix.

The JMF for each mixture shall be in effect until a modification is approved in writing by the Engineer. Should a change in sources of materials be made, a new JMF must be prepared within 15 days and approved by the Engineer in writing before the new material is used. After the initial production JMF has been approved by the Engineer and a new or modified JMF is required for whatever reason, the subsequent cost of the Engineer's approval of the new or modified JMF will be borne by the Contractor. There will be no time extension given or considerations for extra costs associated with the stoppage of production paving or restart of production paving due to the time needed for the Engineer to approve the initial, new or modified JMF.

TABLE 1. MARSHALL DESIGN CRITERIA

Test Property	Design Criteria
Number of Blows	75
Stability, Minimum Pounds	2,150
Flow[1], 0.01 in.	10-16
Target Air Voids (percent)	3.5
Percent Voids in Mineral Aggregate, Minimum	See Table 2

[1]The flow requirement is not applicable for Polymer Modified Asphalts.

TABLE 2. MINIMUM PERCENT VOIDS IN MINERAL AGGREGATE (VMA)	
Aggregate (See Table 3)	**Minimum VMA**
Gradation 1	14%

The mineral aggregate shall be of such size that the percentage composition by weight, as determined by laboratory sieves, will conform to the gradation or gradations specified in Table 3 when tested in accordance with ASTM C136 and ASTM C117.

The gradations in Table 3 represent the limits that shall determine the suitability of aggregate for use from the sources of supply; be well graded from coarse to fine and shall not vary from the low limit on one sieve to the high limit on the adjacent sieve, or vice versa.

TABLE 3. AGGREGATE – HMA PAVEMENTS	
Size	Gradation 1
1 inch	100
3/4 inch	76-98
1/2 inch	66-86
3/8 inch	57-77
No. 4	40-60
No. 8	26-46
No. 16	17-37
No. 30	11-27
No. 50	7-19
No. 100	6-16
No. 200	3-6
Asphalt Percent	
Stone or Gravel	4.5-7.0

The aggregate gradations shown are based on aggregates of uniform specific gravity. The percentages passing the various sieves shall be corrected when aggregates of varying specific gravities are used, as indicated in the Asphalt Institute MS-2 Mix Design Manual, 7th Edition.

401-3.3 RECLAIMED ASPHALT PAVEMENT (RAP). RAP shall not be used.

401-3.4 JOB MIX FORMULA (JMF) LABORATORY. The laboratory used to develop the JMF shall be accredited in accordance with ASTM D3666. The laboratory accreditation must be current and listed on the accrediting authority's website. All test methods required for developing the JMF must be listed on the lab accreditation. A copy of the laboratory's current accreditation and accredited test methods shall be submitted to the Engineer prior to start of construction.

401-3.5 TEST SECTION. Prior to full production, the Contractor shall prepare and place a quantity of HMA according to the job mix formula. The amount of HMA shall be sufficient to construct a test section 300 feet long and 20 feet wide placed in two lanes, with a longitudinal cold joint, and shall be of the same depth specified for the construction of the course which it represents. A cold joint for this test section is an exposed construction joint at least 4 hours old or whose mat has cooled to less than 160º F. The cold joint must be cut back using the same procedure that will be used during production in accordance with 401-4.13. The underlying grade or pavement structure upon which the test section is to be constructed shall be the same as the remainder of the course represented by the test section. The equipment used in the construction of the test section shall be the same type and weight to be used on the remainder of the course represented by the test section.

The test section shall be evaluated for acceptance as a single lot in accordance with the acceptance criteria in paragraph 401-5.1 and 401-5.2. The test section shall be divided into equal sublots. As a minimum the test section shall consist of three (3) sublots.

The test section shall be considered acceptable if: 1) stability, flow, mat density, air voids, and joint density are 90% or more within limits, 2) gradation and asphalt content are within the action limits specified in paragraphs 401-6.5a and 5b, and 3) the voids in the mineral aggregate are within the limits of Table 2.

If the initial test section should prove to be unacceptable, the necessary adjustments to the job mix formula, plant operation, placing procedures, and/or rolling procedures shall be made. A second test section shall then be placed. If the second test section also does not meet specification requirements, both sections shall be removed at the Contractor's expense. Additional test sections, as required, shall be constructed and evaluated for conformance to the specifications. Any additional sections that are not acceptable shall be removed at the Contractor's expense. Full production shall not begin until an acceptable test section has been constructed and accepted in writing by the Engineer. Once an acceptable test section has been placed, payment for the initial test section and the section that meets specification requirement shall be made in accordance with paragraph 401-8.1.

Job mix control testing shall be performed by the Contractor at the start of plant production and in conjunction with the calibration of the plant for the JMF. If aggregates produced by the plant do not satisfy the gradation requirements or produce a mix that meets the JMF, it will be necessary to reevaluate and redesign the mix using plant-produced aggregates. Specimens shall be prepared and the optimum asphalt content determined in the same manner as for the original JMF tests.

Contractor will not be allowed to place the test section until the Contractor Quality Control Program, showing conformance with the requirements of Paragraph 401-6.1, has been approved, in writing, by the Engineer.

Construction Methods

401-4.1 WEATHER LIMITATIONS. The HMA shall not be placed upon a wet surface or when the surface temperature of the underlying course is less than specified in Table 4. Temperature requirements may be waived by the Engineer, if requested; however, all other requirements including compaction shall be met.

TABLE 4. SURFACE TEMPERATURE LIMITATIONS OF UNDERLYING COURSE

Mat Thickness	Base Temperature (Minimum)	
	Deg. F	Deg. C
3 inches or greater	40	4
Greater than 2 inches but less than 3 inches.	45	7

401-4.2 HMA PLANT. Plants used for preparation of HMA shall conform to the requirements of American Association of State Highway and Transportation Officials (AASHTO) M 156 with the following changes:

Requirements for all plants include:

(a) **Truck Scales.** The HMA shall be weighed on approved scales furnished by the Contractor, or on certified public scales at Contractor's expense. Scales shall be inspected and sealed as often as the Engineer deems necessary to assure their accuracy. Scales shall conform to requirements of the F.A.A. General Provisions, Section 90-01.

In lieu of scales, and as approved by the Engineer, HMA weight may be determined by the use of an electronic weighing system equipped with an automatic printer that weighs the total HMA production and as often thereafter as requested by the Engineer.

(b) **Testing Facilities.** The Contractor shall ensure laboratory facilities are provided at the plant for the use of the Engineer. The lab shall have sufficient space and equipment so that both testing representatives (Engineer's and Contractor's) can operate efficiently. The lab shall meet the requirements of ASTM D 3666, including all necessary equipment, materials, calibrations, current reference standards to comply with the specifications and masonry saw with diamond blade for trimming pavement cores and samples.

The plant testing laboratory shall have a floor space area of not less than 200 sq ft, with a ceiling height of not less than 7-½ feet. The laboratory shall be weather tight, sufficiently heated in cold weather, air-conditioned in hot weather to maintain temperatures for testing purposes of 70 °F +/- 5 °F. The plant testing laboratory shall be located on the plant site to provide an unobstructed view, from one of its windows, of the trucks being loaded with the plant mix materials. In addition, the facility shall include the minimum:

(1) Adequate artificial lighting

(2) Electrical outlets sufficient in number and capacity for operating the required testing equipment and drying samples.

(3) A minimum of two (2) Underwriter's Laboratories approved fire extinguishers of the appropriate types and class.

(4) Work benches for testing.

(5) Desk with chairs and file cabinet.

(6) Sanitary facilities convenient to testing laboratory

(7) Exhaust fan to outside air.

(8) Sink with running water, attached drain board and drain capable of handling separate material

Failure to provide the specified facilities shall be sufficient cause for disapproving HMA plant operations.

Laboratory facilities shall be kept clean, and all equipment shall be maintained in proper working condition. The Engineer shall be permitted unrestricted access to inspect the Contractor's laboratory facility and witness quality control activities. The Engineer will advise the Contractor in writing of any noted deficiencies concerning the laboratory facility, equipment, supplies, or testing personnel and procedures. When the deficiencies are serious enough to be adversely affecting the test results, the incorporation of the materials into the work shall be suspended immediately and will not be permitted to resume until the deficiencies are satisfactorily corrected.

(c) **Inspection of Plant.** The Engineer, or Engineer's authorized representative, shall have access, at all times, to all parts of the plant for checking adequacy of equipment; inspecting operation of the plant; verifying weights, proportions, and material properties; and checking temperatures maintained in preparation of mixtures.

(d) **Storage Bins and Surge Bins.** The HMA stored in storage and surge bins shall meet the same requirements as HMA loaded directly into trucks and may be permitted under the following conditions:

(1) Stored in surge bins for period of time not to exceed three (3) hours,

(2) Stored in insulated storage bins for a period of time not to exceed 8 hours.

If the Engineer determines that there is an excessive amount of heat loss, segregation or oxidation of the HMA due to temporary storage, no temporary storage will be allowed.

401-4.3 HAULING EQUIPMENT. Trucks used for hauling HMA shall have tight, clean, and smooth metal beds. To prevent the HMA from sticking to the truck beds, the truck beds shall be lightly coated with a minimum amount of paraffin oil, lime solution, or other material approved by the Engineer. Petroleum products shall not be used for coating truck beds. Each truck shall have a suitable cover to protect the mixture from adverse weather. When necessary, to ensure that mixture will be delivered to the site at the specified temperature, truck beds shall be insulated or heated and covers shall be securely fastened.

401-4.3.1 MATERIAL TRANSFER VEHICLE (MTV). Material transfer vehicles are not required.

401-4.4 HMA PAVERS. HMA pavers shall be self-propelled units with an activated heated screed capable of spreading and finishing courses of HMA material that will meet specified thickness, smoothness, and grade. The paver shall have sufficient power to propel itself and the hauling equipment without adversely affecting the finished surface.

The paver shall have a receiving hopper of sufficient capacity to permit a uniform spreading operation. The hopper shall be equipped with a distribution system to place the HMA uniformly in front of the screed without segregation. The screed or strike-off assembly shall effectively produce a finished surface of required evenness and texture without tearing, shoving, or gouging the mixture.

If, during construction, it is found that the spreading and finishing equipment in use leaves tracks or indented areas, or produces other blemishes in the pavement that are not satisfactorily corrected by the scheduled operations, the use of such equipment shall be discontinued and satisfactory equipment shall be provided by the Contractor.

401-4.4.1 AUTOMATIC GRADE CONTROLS. The HMA paver shall be equipped with a control system capable of automatically maintaining the specified screed elevation. The control system shall be automatically actuated from either a reference line and/or through a system of mechanical sensors or sensor-directed mechanisms or devices that will maintain the paver screed at a predetermined transverse slope and at the proper elevation to obtain the required surface. The transverse slope controller shall be capable of maintaining the screed at the desired slope within ±0.1 percent.

The controls shall be capable of working in conjunction with any of the following attachments:

- Ski-type device of not less than 30 feet in length.
- Taut steel wire line set to grade.
- Short ski or shoe.
- Laser control.

401-4.5 ROLLERS. Rollers of the vibratory, steel wheel, and pneumatic-tired type shall be used. They shall be in good condition, capable of operating at slow speeds to avoid displacement of the HMA. The number, type, and weight of rollers shall be sufficient to compact the HMA to the required density while it is still in a workable condition.

All rollers shall be specifically designed and suitable for compacting HMA concrete and shall be properly used. Rollers that impair the stability of any layer of a pavement structure or underlying soils shall not be used. Depressions in pavement surfaces caused by rollers shall be repaired by the Contractor at their own expense.

The use of equipment which causes crushing of the aggregate will not be permitted.

401-4.6 DENSITY DEVICE. The Contractor shall have on site a density gauge during all paving operations in order to assist in the determination of the optimum rolling pattern, type of roller and frequencies, as well as to monitor the effect of the rolling operations during production paving. The Contractor shall also supply a qualified technician during all paving operations to calibrate the gauge and obtain accurate density readings for all new HMA. These densities shall be supplied to the Engineer upon request at any time during construction. No separate payment will be made for supplying the density gauge and technician.

401-4.7 PREPARATION OF ASPHALT BINDER. The asphalt binder shall be heated in a manner that will avoid local overheating and provide a continuous supply of the asphalt binder to the mixer at a uniform temperature. The temperature of unmodified asphalt binder delivered to the mixer shall be sufficient to provide a suitable viscosity for adequate coating of the aggregate particles, but shall not exceed 325º F. when added to the aggregate. The temperature of modified asphalt binder shall be no more than 350º F. when added to the aggregate.

401-4.8 PREPARATION OF MINERAL AGGREGATE. The aggregate for the HMA shall be dried and heated. The maximum temperature and rate of heating shall be such that no damage occurs to the aggregates. The temperature of the aggregate and mineral filler shall not exceed 350º F. when the asphalt binder is added. Particular care shall be taken that aggregates high in calcium or magnesium content are not damaged by overheating. The temperature shall not be lower than is required to obtain complete coating and uniform distribution on the aggregate particles and to provide a mixture of satisfactory workability.

401-4.9 PREPARATION OF HMA. The aggregates and the asphalt binder shall be weighed or metered and introduced into mixer in amounts specified by the JMF.

The combined materials shall be mixed until the aggregate obtains a uniform coating of asphalt binder and is thoroughly distributed throughout the mixture. Wet mixing time shall be the shortest time that will produce a satisfactory mixture but not less than 25 seconds for batch plants. The wet mixing time for all plants shall be established by the Contractor, based on the procedure for determining percentage of coated particles described in ASTM D 2489 for each individual plant and for each type of aggregate used. The wet mixing time will be set to achieve 95 percent of coated particles. For continuous mix plants, minimum mixing time shall be determined by dividing weight of its contents at operating level by the weight of mixture delivered per second by the mixer. The moisture content of all HMA upon discharge shall not exceed 0.5 percent.

401-4.10 PREPARATION OF THE UNDERLYING SURFACE. Immediately before placing the HMA, the underlying course shall be cleaned of all dust and debris. A prime coat or tack coat shall be applied in accordance with Item P-602 or P-603, if shown on the plans.

401-4.11 LAYDOWN PLAN, TRANSPORTING, PLACING, AND FINISHING. Prior to the placement of the HMA, the Contractor shall prepare a laydown plan for approval by the Engineer. This is to minimize the number of cold joints in the pavement. The laydown plan shall include the sequence of paving laydown by stations, width of lanes, temporary ramp locations, and laydown temperature. The laydown plan shall also include estimated time of completion for each portion of the work (that is, milling, paving, rolling, cooling, etc.). Modifications to the laydown plan shall be approved by the Engineer.

The HMA shall be transported from mixing plant to the site in vehicles conforming to requirements of Section 401-4.3. Deliveries shall be scheduled so that placing and compacting of HMA is uniform with minimum stopping and starting of the paver. Hauling over freshly placed material shall not be permitted until material has been compacted, as specified, and allowed to cool to atmospheric temperature.

The alignment and elevation of the paver shall be regulated from outside reference lines established for this purpose for the first lift of all runway and taxiway pavements. Successive lifts of HMA surface course may be placed using a ski, or laser control per paragraph 401-4.4.1, provided grades of the first lift of HMA surface course meet the tolerances of paragraphs 401-5.2b(6) as verified by a survey. Contractor shall survey each lift of HMA surface course and certify to Engineer that every lot of each lift meets the grade tolerances of paragraph 401-5.2b(6) before the next lift can be placed.

The initial placement and compaction of the HMA shall occur at a temperature suitable for obtaining density, surface smoothness and other specified requirements, but not less than 250° F.

Edges of existing HMA pavement abutting the new work shall be saw cut and carefully removed as shown on the drawings and coated with asphalt tack coat before new material is placed against it.

Upon arrival, the HMA shall be spread to full width by an approved HMA paver. It shall be struck off in a uniform layer of such depth that, when work is completed, it shall have the required thickness and shall conform to grade and contour indicated on the plans. The speed of the paver shall be regulated to eliminate pulling and tearing of HMA mat.

Unless otherwise permitted, placement of the HMA shall begin along the centerline of a crowned section or on the high side of areas with a one-way slope. Each lane of paving shall be complete from one end to the other before the next lane is started. The HMA shall be placed in consecutive adjacent strips having a minimum width of 10 feet, except where edge lanes require less width to complete the area. Additional screed sections shall not be attached to widen paver to meet the minimum lane width requirements specified above unless additional auger sections are added to match. Longitudinal joint in one course shall offset the longitudinal joint in the course immediately below by at least one (1) foot; however, the joint in the top surface course shall be at the centerline of crowned pavements. Paving operations shall be scheduled so no transverse joints are made except for unscheduled breakdowns. Transverse joints in one course shall be offset by at least ten (10) feet from transverse joints in the previous course.

Transverse joints in adjacent lanes shall be offset a minimum of 10 feet.

On areas where irregularities or unavoidable obstacles make use of mechanical spreading and finishing equipment impractical, the HMA may be spread and luted by hand tools.

Areas of segregation in the surface course, as determined by the Engineer, shall be removed and replaced at the Contractor's expense. The area shall be removed by saw cutting and milling a minimum of 2 inches deep. The area to be removed and replaced shall be a minimum width of the paver and a minimum of 10 feet long.

401-4.12 COMPACTION OF HMA. After placing, the HMA shall be thoroughly and uniformly compacted by power rollers. The surface shall be compacted as soon as possible when the HMA has attained sufficient stability so that rolling does not cause undue displacement, cracking or shoving. Sequence of rolling operations and type of rollers used shall be at discretion of the Contractor. The speed of the roller shall, at all times, be sufficiently slow to avoid displacement of the hot mixture and be effective in compaction. Any displacement occurring as a result of reversing direction of the roller, or from any other cause, shall be corrected at once.

Sufficient rollers shall be furnished to handle the output of the plant. Rolling shall continue until the surface is of uniform texture, true to grade and cross section, and the required field density is obtained. To prevent adhesion of the HMA to the roller, the wheels shall be equipped with a scraper and kept properly moistened, but excessive water will not be permitted.

In areas not accessible to the roller, the mixture shall be thoroughly compacted with approved power driven tampers. Tampers shall weigh not less than 275 pounds, have a tamping plate width not less than 15 inches, be rated at not less than 4,200 vibrations per minute, and be suitably equipped with a standard tamping plate wetting device.

Any HMA that becomes loose and broken, mixed with dirt, contains check-cracking, or in any way defective shall be removed and replaced with fresh hot mixture and immediately compacted to conform to the surrounding area. This work shall be done at the Contractor's expense. Skin patching shall not be allowed.

401-4.13 JOINTS. The formation of all joints shall be made in such a manner as to ensure a continuous bond between the courses and obtain the required density. All joints shall have the same texture as other sections of the course and meet the requirements for smoothness and grade.

The roller shall not pass over the unprotected end of the freshly laid HMA except when necessary to form a transverse joint. When necessary to form a transverse joint, it shall be made by means of placing a bulkhead or by tapering the course. The tapered edge shall be cut back to its full depth and width on a straight line to expose a vertical face prior to placing the adjacent lane. In both methods all contact surfaces shall be coated with an asphalt tack coat before placing any fresh HMA against the joint.

Longitudinal joints which have been left exposed for more than four (4) hours; the surface temperature has cooled to less than 175°F (80°C**)**; or are irregular, damaged, uncompacted or otherwise defective shall be cut back 3 inches (75 mm) to 6 inches (150 mm) to expose a clean, sound, uniform vertical surface for the full depth of the course. All cutback material shall be removed from the project. Asphalt tack coat or other product approved by the Engineer shall be applied to the clean, dry joint, prior to placing any additional fresh HMA against the joint. Any laitance produced from cutting joints shall be removed by vacuuming and washing. The cost of this work shall be considered incidental to the cost of the HMA.

401-4.14 SAW-CUT GROOVING. Not applicable.

401-4.15 DIAMOND GRINDING. When required, diamond grinding shall be accomplished by sawing with saw blades impregnated with industrial diamond abrasive. The saw blades shall be assembled in a cutting head mounted on a machine designed specifically for diamond grinding that will produce the required texture and smoothness level without damage to the pavement. The saw blades shall be 1/8-inch (3-mm) wide and there shall be a minimum of 55 to 60 blades per 12 inches (300 mm) of cutting head width; the actual number of blades will be determined by the Contractor and depend on the hardness of the aggregate. Each machine shall be capable of cutting a path at least 3 feet (0.9 m) wide. Equipment that causes ravels, aggregate fractures, spalls or disturbance to the pavement will not be permitted. The depth of grinding shall not exceed 1/2 inch (13mm) and all areas in which diamond grinding has been performed will be subject to the final pavement thickness tolerances specified. Grinding will be tapered in all directions to provide smooth transitions to areas not requiring grinding. Areas that have been ground will be sealed with a P-608 surface treatment as directed by the Engineer. It may be necessary to seal a larger area to avoid surface treatment creating any conflict with runway or taxiway markings.

401-4.16 NIGHTTIME PAVING REQUIREMENTS. There will be no nighttime paving during this project.

Material Acceptance

401-5.1 ACCEPTANCE SAMPLING AND TESTING. Unless otherwise specified, all acceptance sampling and testing necessary to determine conformance with the requirements specified in this section will be performed by the Engineer at no cost to the Contractor except that coring and profilograph testing as required in this section shall be completed and paid for by the Contractor.

Testing organizations performing these tests except profilograph shall be accredited in accordance with ASTM D3666. The laboratory accreditation must be current and listed on the accrediting authority's website. All test methods required for quality control sampling and testing must be listed on the lab accreditation. A copy of the laboratory's current accreditation and accredited test methods shall be submitted to the Engineer prior to start of construction. All equipment in Contractor furnished laboratories shall be calibrated by an independent testing organization prior to the start of operations at the Contractor's expense.

(a) **Hot Mixed Asphalt**. Plant-produced HMA shall be tested for stability, flow, and air voids on a lot basis. Sampling shall be from material deposited into trucks at the plant or from trucks at the job site. Samples shall be taken in accordance with ASTM D 979.

A standard lot shall be equal to one day's production or 2,000 tons whichever is smaller. If the day's production is expected to exceed 2,000 tons, but less than 4,000 tons, the lot size shall be 1/2 day's production. If the day's production exceeds 4,000 tons, the lot size shall be an equal sized fraction of the day's production, but shall not exceed 2,000 tons.

Where more than one plant is simultaneously producing HMA for the job, the lot sizes shall apply separately for each plant.

(1) Sampling. Each lot will consist of four equal sub-lots. Sufficient HMA for preparation of test specimens for all testing will be sampled by the Engineer on a random basis, in accordance with the procedures contained in ASTM D 3665. Samples will be taken in accordance with ASTM D 979.

The sample of HMA shall be put in a covered metal tin and placed in an oven for not less than 30 minutes nor more than 60 minutes to stabilize to compaction temperature. The compaction temperature of the specimens shall be as specified in the JMF.

(2) Testing. Sample specimens shall be tested for stability and flow in accordance with ASTM D 6927. Air voids will be determined by the Engineer in accordance with ASTM D 3203. One set of laboratory compacted specimens will be prepared for each sub-lot in accordance with ASTM D 6926 at the number of blows required by paragraph 401-3.2, Table 1. Each set of laboratory compacted specimens will consist of three test specimens prepared from the same sample. The manual hammer specified in ASTM D 6926 shall be used.

Prior to testing, the bulk specific gravity of each test specimen shall be measured by the Engineer in accordance with ASTM D 2726 using the procedure for laboratory-prepared thoroughly dry specimens for use in computing air voids and pavement density.

For air voids determination, the theoretical maximum specific gravity of the mixture shall be measured one time for each sublot in accordance with ASTM D 2041. The value used in the voids computation for each sub-lot shall be based on the theoretical maximum specific gravity measurement for the sublot.

The stability and flow for each sub-lot shall be computed by averaging the results of all test specimens representing that sub-lot.

(3) Acceptance. Acceptance of plant produced HMA for stability, flow and air voids shall be determined by the Engineer in accordance with the requirements of paragraph 401-5.2b.

(b) **In Place HMA.** HMA placed in the field shall be tested for mat and joint density on a lot basis. A standard lot shall be equal to one day's production or 2,000 tons (1814 metric tons) whichever is smaller. If the day's production is expected to exceed 2,000 tons (1814 metric tons), but less than 4,000 tons (3628 metric tons), the lot size shall be 1/2 day's production. If the day's production exceeds 4,000 tons (3628 metric tons), the lot size shall be an equal sized fraction of the day's production, but shall not exceed 2,000 tons (1814 metric tons).

(1) Mat Density. The lot size shall be the same as that indicated in paragraph 401-5.1.a and shall be divided into four equal sub-lots. One core of finished, compacted HMA shall be taken by the Contractor from each sub-lot. Core locations will be determined by the Engineer on a random basis in accordance with procedures contained in ASTM D 3665. Cores for mat density shall not be taken closer than one foot from a transverse or longitudinal joint.

(2) Joint Density. The lot size shall be the total length of longitudinal joints constructed by a lot of HMA as defined in paragraph 401-5.1(a). The lot shall be divided into four equal sub-lots. One core of finished, compacted HMA shall be taken by the Contractor from each sub-lot. Core locations will be determined by the Engineer on a random basis in accordance with procedures contained in ASTM D 3665. All cores for joint density shall be centered on the joint. The minimum core diameter for joint density determination shall be 5 inches.

(3) Sampling. Samples shall be neatly cut with a diamond core drill bit. Samples will be taken in accordance with ASTM D 979. The minimum diameter of the sample shall be five (5) inches. Samples that are clearly defective, as a result of sampling, shall be discarded and another sample taken. The Contractor shall furnish all tools, labor, and materials for cutting samples, cleaning, and filling the cored pavement. Cored pavement shall be cleaned and core holes shall be filled in a manner acceptable to the Engineer and within one day after sampling. Laitance produced by the coring operation shall be removed immediately.

The top most lift of HMA shall be completely bonded to the underlying layer. If any of the cores reveal that the surface is not bonded to the layer immediately below the surface, then additional cores shall be taken as directed by the Engineer in accordance with paragraph 401-5.1(b) to determine the extent of any delamination. All delaminated areas shall be completely removed by milling to the limits and depth specified by the Engineer, and replaced as directed by the Engineer at no additional cost.

(4) Testing. The bulk specific gravity of each cored sample will be measured by the Engineer in accordance with ASTM D 2726. Samples will be taken in accordance with ASTM D 979. The percent compaction (density) of each sample will be determined by dividing the bulk specific gravity of each sub-lot sample by the average bulk specific gravity of all laboratory prepared specimens for the lot, as determined in paragraph 401-5.1a(2). The bulk specific gravity used to

determine the joint density at joints formed between different lots shall be the lowest of the bulk specific gravity values from the two different lots.

(5) Acceptance. Acceptance of field placed HMA for mat density will be determined by the Engineer in accordance with the requirements of paragraph 401-5.2(b)(1). Acceptance for joint density will be determined in accordance with the requirements of paragraph 401-5.2(b)(3).

(c) **Partial Lots.** When operational conditions cause a lot to be terminated before the specified number of tests have been made for the lot or when the Contractor and Engineer agree in writing to allow overages or other minor tonnage placements to be considered as partial lots, the following procedure will be used to adjust the lot size and the number of tests for the lot.

The last batch produced where production is halted will be sampled and its properties shall be considered as representative of the particular sub-lot from which it was taken. In addition, an agreed to minor placement will be sampled, and its properties shall be considered as representative of the particular sublot from which it was taken. Where three sub-lots are produced, they shall constitute a lot. Where one or two sub-lots are produced, they shall be incorporated into the next lot and the total number of sub-lots shall be used in the acceptance plan calculation, that is, n = 5 or n = 6, for example. Partial lots at the end of asphalt production on the project shall be included with the previous lot. The lot size for field placed material shall correspond to that of the plant material, except that in no cases less than (3) cored samples shall be obtained, that is, n = 3.

401-5.2 ACCEPTANCE CRITERIA.

(a) **General.** Acceptance will be based on the following characteristics of the HMA and completed pavement as well as the implementation of the Contractor's Quality Control Program and test results:

(1) Air voids

(2) Mat density

(3) Joint density

(4) Thickness

(5) Smoothness

(6) Grade

(7) Stability

(8) Flow

Mat density and air voids will be evaluated for acceptance in accordance with paragraph 401-5.2(b)(1). Stability and flow will be evaluated for acceptance in accordance with paragraph 401-5.2(b)(2). Joint density will be evaluated for acceptance in accordance with paragraph 401-5.2(b)(3).

Thickness will be evaluated by the Engineer for compliance in accordance with paragraph 401-5.2(b)(4). Acceptance for smoothness will be based on the criteria contained in paragraph 401-5.2(b)(5). Acceptance for grade will be based on the criteria contained in paragraph 401-5.2(b)(6).

The Engineer may at any time reject and require the Contractor to dispose of any batch of HMA which is rendered unfit for use due to contamination, segregation, incomplete coating of aggregate, or improper mix temperature. Such rejection may be based on only visual inspection or temperature measurements. In the event of such rejection, the Contractor may take a representative sample of the rejected material in the presence of the Engineer, and if it can be demonstrated in the laboratory, in the presence of the Engineer, that such material was erroneously rejected, payment will be made for the material at the contract unit price.

(b) **Acceptance Criteria**.

(1) Mat Density and Air Voids. Acceptance of each lot of plant produced material for mat density and air voids shall be based on the percentage of material within specification limits (PWL). If the PWL of the lot equals or exceeds 90 percent, the lot shall be acceptable. Acceptance and payment for the lot shall be determined in accordance with paragraph 401-8.1.

(2) Stability and Flow. Acceptance of each lot of plant produced HMA for stability and flow shall be based on the PWL. If the PWL of the lot equals or exceeds 90 percent, the lot shall be acceptable. If the PWL is less than 90 percent, the Contractor shall determine the reason and take corrective action. If the PWL is below 80 percent, the Contractor must stop production until the reason for poor stability and/or flow has been determined and adjustments to the HMA are made.

(3) Joint Density. Acceptance of each lot of plant produced HMA for joint density shall be based on the PWL. If the PWL of the lot equals or exceeds 90 percent, the lot shall be considered acceptable. If the PWL is less than 90 percent, the Contractor shall evaluate reason and act accordingly. If the PWL is below 80 percent, the Contractor shall stop production until the reason for poor compaction can be determined. If the PWL is less than 71 percent, the pay factor for the lot used to complete the joint shall be reduced by 5 percentage points. This lot pay factor reduction shall be incorporated and evaluated in accordance with paragraph 401-8.1.

(4) Thickness. Thickness of each lift of surface course shall be evaluated by the Engineer for compliance to the requirements shown on the plans. Measurements of thickness shall be made by the Engineer using the cores extracted for each sub-lot for density measurement. The maximum allowable deficiency at any point shall not be more than ¼ inch less than the thickness indicated for the lift. Average thickness of lift, or combined lifts, shall not be less than the indicated thickness. Where the thickness tolerances are not met, the lot or sublot shall be corrected by the Contractor at his/her expense by removing the deficient area and replacing with new pavement. The Contractor, at his/her expense, may take additional cores as approved by the Engineer to circumscribe the deficient area.

(5) Smoothness. The final surface shall be free from roller marks. After the final rolling, but not later than 24 hours after placement, the surface of each lot shall be tested in both longitudinal and transverse directions for smoothness to reveal all surface irregularities exceeding the tolerances specified. The Contractor shall furnish paving equipment and employ methods that produce a surface for each pavement lot having an average profile index meeting the requirements of paragraph 401-8.1d when evaluated with a profilograph; and the finished surface course of the pavement shall not vary more than 1/4 inch (6mm) when evaluated with a 12-foot (3.7m) straightedge. When the surface course smoothness exceeds specification tolerances which

cannot be corrected by diamond grinding of the surface course, full depth removal and replacement of surface course corrections shall be to the limit of the longitudinal placement. Corrections involving diamond grinding will be subject to the final pavement thickness tolerances specified. The Contractor shall apply a surface treatment per Item P-608 or P-609 to all areas that have been subject to grinding as directed by the Engineer.

(a) *Transverse measurements*. Transverse measurements will be taken for each lot placed. Transverse measurements will be taken perpendicular to the pavement centerline each 50 feet (15m) or more often as determined by the Engineer.

(i) Testing shall be continuous across all joints, starting with one-half the length of the straightedge at the edge of pavement section being tested and then moved ahead one-half the length of the straightedge for each successive measurement. Smoothness readings will not be made across grade changes or cross slope transitions; at these transition areas, the straightedge position shall be adjusted to measure surface smoothness and not design grade or cross slope transitions. The amount of surface irregularity shall be determined by placing the freestanding (unleveled) straightedge on the pavement surface and allowing it to rest upon the two highest spots covered by its length, and measuring the maximum gap between the straightedge and the pavement surface in the area between these two high points. High spots on final surface course > 1/4 inch (6mm) in transverse direction shall be corrected with diamond grinding per paragraph 401-4.15 or by removing and replacing full depth of surface course. Grinding will be tapered in all directions to provide smooth transitions to areas not requiring grinding. The area corrected by grinding should not exceed 10% of the total area and these areas shall be retested after grinding.

(ii) The joint between lots shall be tested separately to facilitate smoothness between lots. The amount of surface irregularity shall be determined by placing the freestanding (unleveled) straightedge on the pavement surface, with half the straightedge on one side of the joint and the other half of the straightedge on the other side of the joint. Measure the maximum gap between the straightedge and the pavement surface in the area between these two high points. One measurement shall be taken at the joint every 50 feet (15m) or more often if directed by the Engineer. Deviations on final surface course > 1/4 inch (6mm) in transverse direction shall be corrected with diamond grinding per paragraph 401-4.15 or by removing and replacing full depth of surface course. Each measurement shall be recorded and a copy of the data shall be furnished to the Engineer at the end of each days testing.

(b) *Longitudinal measurements*. Longitudinal measurements will be taken for each lot placed. Longitudinal tests will be parallel to the centerline of paving; at the center of paving lanes when widths of paving lanes are less than 20 feet (6m); and at the third points of paving lanes when widths of paving lanes are 20 ft (6m) or greater.

(i) Longitudinal Short Sections. Longitudinal Short Sections are when the longitudinal lot length is less than 200 feet (60m) and areas not requiring a profilograph. When approved by the Engineer, the first and last 15 feet (4.5m) of the lot can also be considered as short sections for smoothness. The finished surface shall not vary more than 1/4 inch (6mm) when evaluated with a 12-foot (3.7m) straightedge. Smoothness readings will not be made across grade changes or cross slope transitions; at these transition areas, the straightedge position shall be

adjusted to measure surface smoothness and not design grade or cross slope transitions. Testing shall be continuous across all joints, starting with one-half the length of the straightedge at the edge of pavement section being tested and then moved ahead one-half the length of the straightedge for each successive measurement. The amount of surface irregularity shall be determined by placing the freestanding (unleveled) straightedge on the pavement surface and allowing it to rest upon the two highest spots covered by its length, and measuring the maximum gap between the straightedge and the pavement surface in the area between these two high points. Deviations on final surface course > 1/4 inch (6mm) in longitudinal direction will be corrected with diamond grinding per paragraph 401-4.15 or by removing and replacing full depth of surface course. Grinding will be tapered in all directions to provide smooth transitions to areas not requiring grinding. The area corrected by grinding should not exceed 10% of the total area and these areas shall be retested after grinding.

(ii) Profilograph Testing. Profilograph testing shall be performed by the contractor using approved equipment and procedures as described as ASTM E1274. The equipment shall utilize electronic recording and automatic computerized reduction of data to indicate "must grind" bumps and the Profile Index for the pavement using a 0.2 inch (5 mm) blanking band. The bump template must span one inch (25 mm) with an offset of 0.4 inches (10 mm). The profilograph must be calibrated prior to use and operated by a factory or State DOT approved operator. Profilograms shall be recorded on a longitudinal scale of one inch (25 mm) equals 25 feet (7.5 m) and a vertical scale of one inch (25 mm) equals one inch (25 mm). A copy of the reduced tapes shall be furnished to the Engineer at the end of each days testing.

The pavement must have an average profile index meeting the requirements of paragraph 401-8.1d. High spots, or "must grind" spots, on final surface course in longitudinal direction shall be corrected with diamond grinding per paragraph 401-4.15 or by removing and replacing full depth of surface course. Grinding will be tapered in all directions to provide smooth transitions to areas not requiring grinding. The area corrected by grinding should not exceed 10% of the total area and these areas shall be retested after grinding.

Where corrections are necessary, second profilograph runs shall be performed to verify that the corrections produced an average profile index of 15 inches (38 cm) per mile or less. If the initial average profile index was less than 15 inches (38 cm), only those areas representing greater than 0.4 inch (10 mm) deviation will be re-profiled for correction verification.

(iii) Final profilograph of apron. Final profilograph, full area of apron, shall be performed to facilitate testing of smoothness between lots. Profilograph testing shall be performed by the contractor using approved equipment and procedures as described as ASTM E1274.The pavement must have an average profile index meeting the requirements of paragraph 401-8.1d. The equipment shall utilize electronic recording and automatic computerized reduction of data to indicate "must grind" bumps and the Profile Index for the pavement using a 0.2 inch (5 mm) blanking band. The bump template must span one inch (25 mm) with an offset of 0.4 inches (10 mm). The profilograph must be calibrated prior to use and operated by a factory or State DOT approved, trained operator. Profilograms shall be recorded on a longitudinal scale of one inch (25 mm) equals 25 feet (7.5 m) and a vertical scale of one inch (25 mm) equals one inch (25 mm). A copy of the reduced tapes shall be furnished to the Engineer at the end of each days testing. Profilograph of final

runway shall be performed one foot right and left of runway centerline and 15 feet (4.5 m) right and left of centerline. Any areas that indicate "must grind" will be corrected as directed by the Engineer.

Smoothness testing indicated in the above paragraphs except paragraph (iii) shall be performed within 24 hours of placement of material. Smoothness testing indicated in paragraph (iii) shall be performed within 48 hours of paving completion. The primary purpose of smoothness testing is to identify areas that may be prone to ponding of water which could lead to hydroplaning of aircraft. If the contractor's machines and/or methods are producing significant areas that need corrective actions then production should be stopped until corrective measures can be implemented. If corrective measures are not implemented and when directed by the Engineer, production shall be stopped until corrective measures can be implemented.

(6) Grade. Grade shall be evaluated on the first day of placement and then, as a minimum, every half day to allow adjustments to paving operations if measurements do not meet specification requirements. The Contractor must submit the survey data to the Engineer by the following day after measurements have been taken.

The finished surface of the pavement shall not vary from the gradeline elevations and cross sections shown on the plans by more than 3/4 inch. Finished grade of each lot will be determined by running levels at intervals of 50 feet or less longitudinally and breaks in grade transversely (not to exceed 50 feet) to determine the elevation of the completed pavement. The Contractor shall pay the cost of surveying of the level runs that shall be performed by a licensed surveyor. The documentation, stamped and signed by a licensed surveyor, shall be provided by the Contractor to the Engineer. The lot size shall be 2,000 square yards.

When more than 15% of all the measurements within a lot are outside the specified tolerance, or if any one shot within the lot deviates 3/4 inch or more from planned grade, the Contractor shall remove the deficient area to the depth of the final course plus 1/2 inch of pavement and replace with new material. Skin patching shall not be permitted. Isolated high points may be ground off provided the course thickness complies with the thickness specified on the plans. The surface of the ground pavement shall have a texture consisting of grooves between 0.090 and 0.130 inches wide. The peaks and ridges shall be approximately 1/32 inch higher than the bottom of the grooves. The pavement shall be left in a clean condition. The removal of all of the slurry resulting from the grinding operation shall be continuous. The grinding operation should be controlled so the residue from the operation does not flow across other lanes of pavement. High point grinding will be limited to 15 square yards. Areas in excess of 15 square yards will require removal and replacement of the pavement in accordance with the limitations noted above. The Contractor shall apply a surface treatment per P-608 to all areas that have been subject to grinding.

c. Percentage of Material Within Specification Limits (PWL). The PWL shall be determined in accordance with procedures specified in Section 110 of the F.A.A. General Provisions. The specification tolerance limits (L) for lower and (U) for upper are contained in Table 5.

TABLE 5. MARSHALL ACCEPTANCE LIMITS FOR STABILITY, FLOW, AIR VOIDS, DENSITY		
Test Property	Pavements Designed for Aircraft Gross Weight Greater Than 60,000 Lbs. or Tire Pressure Greater Than 100 psi	
Number of Blows	75	
	Specification Tolerance	
	L	U
Stability, minimum pounds	1,800	--
Flow, 0.01-inch	8	18*
Air voids total mix (percent)	2.0	5.0
Surface Course Mat Density, percent	96.3	--
Base Course Mat Density, percent	95.5	--
Joint Density, percent	93.3	--

* Upper flow limit requirements do not apply for any mix with a polymer-modified binder (where the difference between the upper and lower temperature number is 90°F (32°C) or greater).

d. Outliers. All individual tests for mat density and air voids shall be checked for outliers (test criterion) in accordance with ASTM E 178, at a significance level of 5 percent. Outliers shall be discarded, and the PWL shall be determined using the remaining test values.

The criteria in Table 5 are based on production processes which have a variability with the following standard deviations: Surface Course Mat Density (%), 1.30; Base Course Mat Density (%), 1.55; Joint Density (%), 2.1.

The Contractor should note that (1) 90 PWL is achieved when consistently producing a surface course with an average mat density of at least 98 percent with 1.30% or less variability; (2) 90 PWL is achieved when consistently producing a base course with an average mat density of at least 97.5 percent with 1.55% or less variability, and (3) 90 PWL is achieved when consistently producing joints with an average joint density of at least 96 percent with 2.1% or less variability.

401-5.3 RESAMPLING PAVEMENT FOR MAT DENSITY

(a) **General.** Resampling of a lot of pavement will only be allowed for mat density and then only if the Contractor requests same, in writing, within 48 hours after receiving the written test results from the Engineer. A retest will consist of all the sampling and testing procedures contained in paragraphs 401-5.1b and 401-5.2(b)(1). Only one resampling per lot will be permitted.

(1) A redefined PWL shall be calculated for the resampled lot. The number of tests used to calculate the redefined PWL shall include the initial tests made for that lot plus the retests.

(2) The cost for resampling and retesting shall be borne by the Contractor.

(b) **Payment for Resampled Lots.** The redefined PWL for a resampled lot shall be used to calculate the payment for that lot in accordance with Table 6.

(c) **Outliers.** Check for an outlier in accordance with ASTM E 178, at a significance level of 5 percent.

401-5.4 LEVELING COURSE. Not applicable.

Contractor Quality Control

401-6.1 GENERAL. The Contractor shall develop a Quality Control Program in accordance with Section 100 of the F.A.A. General Provisions. The program shall address all elements that affect the quality of the pavement including, but not limited to:

(a) Mix Design

(b) Aggregate Grading

(c) Quality of Materials

(d) Stockpile Management

(e) Proportioning

(f) Mixing and Transportation

(g) Placing and Finishing

(h) Joints

(i) Compaction

(j) Surface smoothness

(k) Personnel

(l) Laydown plan

The Contractor shall perform quality control sampling, testing, and inspection during all phases of the work and shall perform them at a rate sufficient to ensure that the work conforms to the contract requirements, and at minimum test frequencies required by paragraph 401-6.3 and Section 100 of the F.A.A. General Provisions. As a part of the process for approving the Contractor's plan, the Engineer may require the Contractor's technician to perform testing of samples to demonstrate an acceptable level of performance.

No partial payment will be made for materials that are subject to specific quality control requirements without an approved plan.

401-6.2 CONTRACTOR TESTING LABORATORY. The testing laboratory shall meet the requirements of ASTM D 3666 including all necessary equipment, materials, and current reference standards to comply with the specifications.

401-6.3 QUALITY CONTROL TESTING. The Contractor shall perform all quality control tests necessary to control the production and construction processes applicable to these specifications and as set forth in the approved Quality Control Program. The testing program shall include, but not necessarily be limited to, tests for the control of asphalt content, aggregate gradation, temperatures, aggregate moisture, field compaction, and surface smoothness. A Quality Control Testing Plan shall be developed as part of the Quality Control Program.

(a) **Asphalt Content.** A minimum of two asphalt content tests shall be performed per lot in accordance with ASTM D 2172 if the correction factor in ASTM D 6307 is greater than 1.0. The asphalt content for the lot will be determined by averaging the test results.

(b) **Gradation.** Aggregate gradations shall be determined a minimum of twice per lot from mechanical analysis of extracted aggregate in accordance with ASTM D 5444, ASTM C 136 (Dry Sieve), and ASTM C 117.

(c) **Moisture Content of Aggregate.** The moisture content of aggregate used for production shall be determined a minimum of once per lot in accordance with ASTM C 566.

(d) **Moisture Content of HMA.** The moisture content of the HMA shall be determined once per lot in accordance with ASTM D 1461.

(e) **Temperatures.** Temperatures shall be checked, at least four times per lot, at necessary locations to determine the temperatures of the dryer, the asphalt binder in the storage tank, the HMA at the plant, and the HMA at the job site.

(f) **In-Place Density Monitoring.** The Contractor shall conduct any necessary testing to ensure that the specified density is being achieved. A nuclear gauge may be used to monitor the pavement density in accordance with ASTM D 2950.

(g) **Additional Testing.** Any additional testing that the Contractor deems necessary to control the process may be performed at the Contractor's option.

(h) **Monitoring.** The Engineer reserves the right to monitor any or all of the above testing.

401-6.4 SAMPLING. When directed by the Engineer, the Contractor shall sample and test any material that appears inconsistent with similar material being sampled, unless such material is voluntarily removed and replaced or deficiencies corrected by the Contractor. All sampling shall be in accordance with standard procedures specified.

401-6.5 CONTROL CHARTS. The Contractor shall maintain linear control charts both for individual measurements and range (that is, difference between highest and lowest measurements) for aggregate gradation, asphalt content, and voids in mineral aggregate (VMA). The VMA for each sublot will be calculated and monitored by the Quality Control laboratory.

Control charts shall be posted in a location satisfactory to the Engineer and shall be kept current. As a minimum, the control charts shall identify the project number, the contract item number, the test number, each test parameter, the Action and Suspension Limits applicable to each test parameter, and the Contractor's test results. The Contractor shall use the control charts as part of a process control system for identifying potential problems and assignable causes before they occur. If the Contractor's projected data during production indicates a problem and the Contractor is not taking satisfactory corrective action, the Engineer may suspend production or acceptance of the material.

(a) **Individual Measurements.** Control charts for individual measurements shall be established to maintain process control within tolerance for aggregate gradation, asphalt content, and VMA. The control charts shall use the job mix formula target values as indicators of central tendency for the following test parameters with associated Action and Suspension Limits:

CONTROL CHART LIMITS FOR INDIVIDUAL MEASUREMENTS

Sieve	Action Limit	Suspension Limit
3/4 inch	±6%	±9%
1/2 inch	±6%	±9%
3/8 inch	±6%	±9%
No. 4	±6%	±9%
No. 16	±5%	±7.5%
No. 50	±3%	±4.5%
No. 200	±2%	±3%
Asphalt Content	±0.45%	±0.70%
VMA	-1.0%	-1.5%

(b) **Range.** Control charts for range shall be established to control process variability for the test parameters and Suspension Limits listed below. The range shall be computed for each lot as the difference between the two test results for each control parameter. The Suspension Limits specified below are based on a sample size of n = 2. Should the Contractor elect to perform more

than two tests per lot, the Suspension Limits shall be adjusted by multiplying the Suspension Limit by 1.18 for n = 3 and by 1.27 for n = 4.

CONTROL CHART LIMITS BASED ON RANGE (Based on n = 2)	
Sieve	***Suspension Limits***
1/2 inch	11 percent
3/8 inch	11 percent
No. 4	11 percent
No. 16	9 percent
No. 50	6 percent
No. 200	3.5 percent
Asphalt Content	0.8 percent

(c) **Corrective Action.** The Quality Control Program shall indicate the appropriate action that shall be taken when the process is believed to be out of tolerance. The QC Program shall contain sets of rules to gauge when a process is out of control and detail what action will be taken to bring the process into control. As a minimum, a process shall be deemed out of control and production stopped and corrective action taken, if:

(1) One point falls outside the Suspension Limit line for individual measurements or range; or

(2) Two points in a row fall outside the Action Limit line for individual measurements.

401-6.6 QUALITY CONTROL REPORTS. The Contractor shall maintain records and shall submit reports of quality control activities daily, in accordance with the Contractor Quality Control Program described in F.A.A. General Provisions, Section 100.

Method of Measurement

401-7.1 MEASUREMENT. HMA shall be measured by the number of tons of HMA used in the accepted work. Recorded batch weights or truck scale weights will be used to determine basis for the tonnage.

Basis of Payment

401-8.1 PAYMENT. Payment for a lot of HMA meeting all acceptance criteria as specified in Paragraph 401-5.2 shall be made based on results of tests for smoothness, mat density and air voids.

Payment for acceptable lots shall be adjusted according to paragraph 401-8.1c for mat density and air voids and 401-8.1c for smoothness, subject to the limitation that:

a. The total project payment for plant mix bituminous concrete pavement shall not exceed 106 percent of the product of the contract unit price and the total number of tons of HMA used in the accepted work (See Note 1 under Table 6).

b. The price shall be compensation for furnishing all materials, for all preparation, mixing, and placing of these materials, and for all labor, equipment, tools, and incidentals necessary to complete the item.

c. **Basis of Adjusted Payment.** The pay factor for each individual lot shall be calculated in accordance with Table 6. A pay factor shall be calculated for both mat density and air voids. The lot pay factor shall be the higher of the two values when calculations for both mat density and air voids are 100% or higher. The lot pay factor shall be the product of the two values when only one of the calculations for either mat density or air voids is 100% or higher. The lot pay factor shall be the lower of the two values when calculations for both mat density and air voids are less than 100%. If PWL for joint density is less than 71 percent, then the lot pay factor shall be reduced by 5% but be no higher than 95%.

For each lot accepted, the adjusted contract unit price shall be the product of the lot pay factor for the lot and the contract unit price. Payment shall be subject to the total project payment limitation specified in paragraph 401-8.1. Payment in excess of 100% for accepted lots of HMA shall be used to offset payment for accepted lots of bituminous concrete pavement that achieve a lot pay factor less than 100%.

TABLE 7. PRICE ADJUSTMENT SCHEDULE[1]	
Percentage of Material Within the Specification Limit (PWL)	Lot Pay Factor (Percent of Contract Unit Price)
96-100	106
90-95	PWL + 10
75-89	0.5 PWL + 55
55-74	1.4 PWL – 12
Below 55	Reject[2]

[1]Although it is theoretically possible to achieve a pay factor of 106 percent for each lot, actual payment above 100 percent shall be subject to the total project payment limitation specified in paragraph 401-8.1.

[2]The lot shall be removed and replaced. However, the Engineer may decide to allow the rejected lot to remain. In that case, if the Engineer and Contractor agree in writing, that lot shall not be removed, and it will be paid for at 50 percent of the contract price AND THE TOTAL PROJECT PAYMENT SHALL BE REDUCED BY THE AMOUNT WITHHELD FOR THE REJECTED LOT.

d. Profilograph smoothness. When the final average profile index (subsequent to any required corrective action) does not exceed 7 inches per mile (18 cm per 1.6 km), payment will be made at the contract unit price for the completed pavement. If the final average profile index (subsequent to any required corrective action) exceeds 7 inches per mile (18 cm per 1.6 km), but does not exceed 15 inches per mile (38 cm per 1.6 m), the Contractor may elect to accept a contract unit price adjustment in lieu of reducing the profile index.

e. Basis of adjusted payment for smoothness. Price adjustment for pavement smoothness will be made in accordance with Table 7. The adjustment will apply to the total tonnage of HMA within a lot of pavement and shall be applied with the following equation:

(Tons of asphalt concrete in lot) × (lot pay factor) × (unit price per ton) × (smoothness pay factor) = payment for lot

TABLE 7. PROFILOGRAPH AVERAGE PROFILE INDEX SMOOTHNESS PAY FACTOR

Inches/miles per 1/10 mile	Short Sections	Pay Factor
0.0 - 7	00.0 - 15.0	100%
7.1 - 9	15.1 - 16	98%
9.1 - 11	16.1 - 17	96%
11.1 - 13	17.1 - 18	94%
13.1 - 14	18.1 - 20	92%
14.1 - 15	20.1 - 22	90%
15.1 and up	22.1 and up	Corrective work required[1]

1 The Contractor shall correct pavement areas not meeting these tolerances by removing and replacing the defective work. If the Contractor elects to construct an overlay to correct deficiencies, the minimum thickness of the overlay should be at least three times the maximum aggregate size (approximately four (4) times the nominal maximum aggregate size). The corrective overlay shall not violate grade Criteria and butt joints shall be constructed by sawing and removing the original pavement in compliance with the thickness/ maximum aggregate size ratio. Skin patching shall not be permitted.

HMA placed above the specified grade plus tolerances shall not be included in the quantities for payment.

(b) **Payment**. Payment will be made under:

Bituminous Surface Course (P-401) - per Ton

Testing Requirements

ASTM C 29	Unit Weight and Voids in Aggregate
ASTM C 88	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C 117	Material Finer Than 75 µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C 127	Standard Test Method for Density, Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C 131	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C 136	Sieve Analysis of Fine and Coarse Aggregates
ASTM C 183	Sampling and the Amount of Testing of Hydraulic Cement
ASTM C 566	Total Moisture Content of Aggregate by Drying
ASTM D 75	Practice for Sampling Aggregates
ASTM D 979	Standard Practice for Sampling Bituminous Paving Mixtures
ASTM D 1073	Fine Aggregate for Bituminous Paving Mixtures
ASTM D 2172	Quantitative Extraction of Bitumen from Bituminous Paving Mixtures
ASTM D 1461	Moisture or Volatile Distillates in Bituminous Paving Mixtures
ASTM D 2041	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D 2419	Sand Equivalent Value of Soils and Fine Aggregate
ASTM D 2489	Degree of Particle Coating of Bituminous-Aggregate Mixtures
ASTM D 2726	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Saturated Surface-Dry Specimens

Testing Requirements (Continued)

ASTM D 2950	Density of Bituminous Concrete in Place by Nuclear Methods
ASTM D 3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures
ASTM D 3665	Random Sampling of Construction Materials
ASTM D 3666	Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Materials
ASTM D 4125	Asphalt Content of Bituminous Mixtures by the Nuclear Method
ASTM D 4791	Flat Articles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM D 4867	Effect of Moisture on Asphalt Concrete Paving Mixtures
ASTM D 5444	Mechanical Size Analysis of Extracted Aggregate
ASTM D6084	Standard Test Method for Elastic Recovery of Bituminous Materials by Ductilometer
ASTM D 6307	Asphalt Content of Hot-Mix Asphalt by Ignition Method
ASTM D 6752	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method
ASTM D 6926	Standard Practice for Preparation of Bituminous Specimens Using Marshall Apparatus
ASTM D 6927	Marshall Stability and Flow of Bituminous Mixtures
ASTM E11	Woven Wire Test Sieve Cloth and Test Sieves
ASTM E 178	Practice for Dealing with Outlying Observations
ASTM E1274	Measuring Pavement Roughness Using a Profilograph
AASHTO T 30	Mechanical Analysis of Extracted Aggregate
AASHTO T110	Moisture or Volatile Distillates in Hot Mix Asphalt (HMA)

Testing Requirements (Continued)

AASHTO T275	Bulk Specific Gravity (Gmb) of Compacted Hot Mix Asphalt (HMA) Using Paraffin-Coated Specimens
AASHTO M156	Mixing Plants for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures
AASHTO T329	Moisture Content of Hot Mix Asphalt (HMA) by Oven Method
Asphalt Institute Handbook MS-26	Asphalt Binder
The Asphalt Institute's Manual No. 2 (MS-2)	Mix Design Methods for Asphalt Concrete

Material Requirements

ASTM D 242	Mineral Filler for Bituminous Paving Mixtures
ASTM D 946	Penetration-Graded Asphalt Cement for Use in Pavement Construction
ASTM D 3381	Viscosity-Graded Asphalt Cement for Use in Pavement Construction
ASTM D 4552	Classifying Hot-Mix Recycling Agents
ASTM D6373	Performance Graded Asphalt Binder

**** END OF SECTION P-401 ****

ITEM P-602 BITUMINOUS PRIME COAT

Description

602-1.1 This item shall consist of an application of bituminous material on the prepared base course in accordance with this specification and in reasonably close conformity to the lines shown on the plans.

Materials

602-2.1 BITUMINOUS MATERIAL. The bituminous material shall be an emulsified asphalt indicated in ASTM D3628 as a bituminous application for prime coat appropriate to local conditions or as designated by the Engineer.

Construction Methods

602-3.1 WEATHER LIMITATIONS. The prime coat shall be applied only when the existing surface is dry, when atmospheric temperature is 50°F or above, and the temperature has not been below 35°F (2°C) for the 12 hours prior to application, and when the weather is not foggy or rainy. These temperature requirements may be waived, but only when so directed by the Engineer.

602-3.2 EQUIPMENT. The equipment used by the Contractor shall include a self-powered pressure bituminous material distributor and equipment for heating bituminous material.

Provide a distributor with pneumatic tires of such size and number that the load produced on the base surface does not exceed 65.0 psi of tire width to prevent rutting, shoving or otherwise damaging the base, surface or other layers in the pavement structure. Design and equip the distributor to spray the bituminous material in a uniform coverage at the specified temperature, at readily determined and controlled rates from 0.05 to 2.0 gallons per square yard, with a pressure range of 25 to 75 psi and with an allowable variation from the specified rate of not more than ±5%, and at variable widths. Include with the distributor equipment a separate power unit for the bitumen pump, full-circulation spray bars, tachometer, pressure gauges, volume-measuring devices, adequate heaters for heating of materials to the proper application temperature, a thermometer for reading the temperature of tank contents, and a hand hose attachment suitable for applying bituminous material manually to areas inaccessible to the distributor. Equip the distributor to circulate and agitate the bituminous material during the heating process. If the distributor is not equipped with an operable quick shutoff valve, the prime operations shall be started and stopped on building paper. The Contractor shall remove blotting sand prior to asphalt concrete lay down operations at no additional expense to the Owner.

A power broom and/or blower shall be provided for any required cleaning of the surface to be treated.

602-3.3 APPLICATION OF BITUMINOUS MATERIAL. Immediately before applying the prime coat, the full width of surfaces to be primed shall be swept with a power broom to remove all loose dirt and other objectionable material.

The bituminous material shall be uniformly applied with a bituminous distributor at the rate of 0.15 to 0.30 gallons per square yard depending on the base course surface texture. The type of bituminous material and application rate shall be approved by the Engineer prior to application.

Following application of the bituminous material and prior to application of the succeeding layer of pavement, allow the bituminous coat to cure and to obtain evaporation of any volatiles or moisture. Maintain the coated surface until the succeeding layer of pavement is placed, by protecting the surface against damage and by repairing and recoating deficient areas. Allow the prime coat to cure without being disturbed for a period of at least 48 hours or longer, as may be necessary to attain penetration into the treated course. Furnish and spread enough sand to effectively blot up and cure excess bituminous material. Keep traffic off surfaces freshly treated with bituminous material. Provide sufficient warning signs and barricades so that traffic will not travel over freshly treated surfaces.

602-3.4 TRIAL APPLICATIONS. Before providing the complete bituminous coat, the Contractor shall apply three lengths of at least 100 feet for the full width of the distributor bar to evaluate the amount of bituminous material that can be satisfactorily applied with the equipment. Apply three different trial application rates of bituminous materials within the application range specified in paragraph 602-3.3. Other trial applications will be made using various amounts of material as deemed necessary by the Engineer.

602-3.5 BITUMINOUS MATERIAL CONTRACTOR'S RESPONSIBILITY. The Contractor shall provide a statement of source and character of the proposed bituminous material which must be submitted to and approved by the Engineer before any shipment of bituminous materials to the project. The Contractor shall furnish vendor's certified test reports for each carload, or equivalent, of bituminous material shipped to the project. The test reports shall be provided to and approved by the Engineer before the bituminous material is applied. If the bituminous material does not meet the specifications, it shall be replaced at the Contractor's expense. Furnishing the vendor's certified test report for the bituminous material shall not be interpreted as basis for final acceptance.

602-3.6 FREIGHT AND WEIGH BILLS. The Contractor shall submit waybills and delivery tickets during the progress of the work. Before the final estimate is allowed, file with the Engineer certified waybills and certified delivery tickets for all bituminous materials used in the construction of the pavement covered by the contract. Do not remove bituminous material from storage until the initial outage and temperature measurements have been taken. The delivery or storage units will not be released until the final outage has been taken.

Method of Measurement

602-4.1 The bituminous material for prime coat shall be measured by the ton. The bituminous material paid for will be the measured quantities used in the accepted work, provided that the measured quantities are not 10% over the specified application rate. Any amount of bituminous material more than 10% over the specified application rate for each application will be deducted from the measured quantities, except for irregular areas where hand spraying of the bituminous material is necessary. Water added to emulsified asphalt will not be measured for payment.

Basis of Payment

602-5.1 Payment shall be made at the contract unit price or per ton for bituminous prime coat. This price shall be full compensation for furnishing all materials and for all preparation, delivering, and applying the materials, and for all labor, equipment, tools, and incidentals necessary to complete this item.

Payment will be made under:

Item P-602-5.1	Bituminous Prime Coat (P-602)	-	per Ton

Testing Requirements

ASTM D1250	Standard Guide for Use of the Petroleum Measurement Tables

Material Requirements

ASTM D977	Standard Specification for Emulsified Asphalt
ASTM D2028	Standard Specification for Cutback Asphalt (Rapid-Curing Type)
ASTM D2397	Standard Specification for Cationic Emulsified Asphalt
ASTM D3628	Standard Practice for Selection and Use of Emulsified Asphalts

**** END OF SECTION P-602 ****

ITEM P-603 BITUMINOUS TACK COAT

Description

603-1.1 This item shall consist of preparing and treating a bituminous or concrete surface with bituminous material in accordance with these specifications and in reasonably close conformity to the lines shown on the plans.

Materials

603-2.1 BITUMINOUS MATERIALS. The bituminous material shall be an emulsified asphalt indicated in ASTM D3628 as a bituminous application for tack coat appropriate to local conditions or as designated by the Engineer.

Construction Methods

603-3.1 WEATHER LIMITATIONS. Tack coat shall be applied only when the existing surface is dry and atmospheric temperature is above 50º F., the temperature has not been below 35º F. for the 12 hours prior to application, and when the weather is not foggy or rainy. Temperature requirements may be waived, but only when directed by the Engineer.

603-3.2 EQUIPMENT. Contractor shall provide equipment for heating and applying bituminous materials.

Provide a distributor with pneumatic tires of such size and number that the load produced on the base surface does not exceed 65.0 psi of tire width to prevent rutting, shoving or otherwise damaging the base, surface or other layers in the pavement structure. Design and equip the distributor to spray the bituminous material in a uniform coverage at the specified temperature, at readily determined and controlled rates from 0.05 to 2.0 gallons per square yard, with a pressure range of 25 to 75 psi and with an allowable variation from the specified rate of not more than ±5%, and at variable widths. Include with the distributor equipment a separate power unit for the bitumen pump, full-circulation spray bars, tachometer, pressure gauges, volume-measuring devices, adequate heaters for heating of materials to the proper application temperature, a thermometer for reading the temperature of tank contents, and a hand hose attachment suitable for applying bituminous material manually to areas inaccessible to the distributor. Equip the distributor to circulate and agitate the bituminous material during the heating process. If the distributor is not equipped with an operable quick shut off valve, the tack operations shall be started and stopped on building paper. The Contractor shall remove blotting sand prior to asphalt concrete lay down operations at no additional expense to the Owner.

A power broom and/or power blower suitable for cleaning the surfaces to which the bituminous tack coat is to be applied shall be provided.

603-3.3 APPLICATION OF BITUMINOUS MATERIAL. Immediately before applying tack coat, the full width of surface to be treated shall be swept with a power broom and/or airblasted to remove all loose dirt and other objectionable material.

Emulsified asphalt shall be diluted by the addition of an equal amount of water prior to loading into the bituminous distributor when directed by the Engineer. Emulsified asphalt shall be applied to prepared surfaces far enough in advance of the paving operations to ensure that all water has evaporated before any bituminous mixture is placed on tacked surfaces.

The bituminous material including vehicle shall be uniformly applied with a bituminous distributor at the rate of 0.05 to 0.10 gallon per square yard depending on condition of existing surface. The type of bituminous material and application rate shall be approved by the Engineer prior to application.

After application of the tack coat, the surface shall be allowed to cure without being disturbed for such period of time as may be necessary to permit drying and setting of the tack coat. This period shall be determined by the Engineer. The Contractor shall protect the tack coat and maintain the surface until the next course has been placed.

603-3.4 BITUMINOUS MATERIAL - CONTRACTOR'S RESPONSIBILITY. The Contractor shall provide a statement of source and character of the proposed bituminous material which must be submitted and approved by the Engineer before any shipment of bituminous materials to the project.

Contractor shall furnish vendor's certified test reports for each carload, or equivalent, of bituminous material shipped to the project. The test reports shall be provided to and approved by the Engineer before the bituminous material is applied. If the bituminous material does not meet the specifications, it shall be replaced at the Contractor's expense. Furnishing of vendor's certified test report for bituminous material shall not be interpreted as a basis for final acceptance.

603-3.5 FREIGHT AND WEIGH BILLS. The Contractor shall submit waybills and delivery tickets, during progress of the work. Before the final statement is allowed, file with the Engineer certified waybills and certified delivery tickets for all bituminous materials used in the construction of the pavement covered by the contract. Do not remove bituminous material from storage until the initial outage and temperature measurements have been taken. The delivery or storage units will not be released until the final outage has been taken.

Method of Measurement

603-4.1 Bituminous material for tack coat shall be measured by the ton. Water added to emulsified asphalt will not be measured for payment. The bituminous material paid for will be the measured quantities used in the accepted work, provided that the measured quantities are not 10% over the specified application rate. Any amount of bituminous material more than 10% over the specified application rate for each application will be deducted from the measured quantities, except for irregular areas where hand spraying of the bituminous material is necessary. Water added to emulsified asphalt will not be measured for payment.

Basis of Payment

603-5.1 Payment shall be made at the contract unit price per ton of bituminous tack coat. Payment will be made for the bituminous material only. This price shall be full compensation for furnishing all materials, for all preparation, delivery, and application of these materials, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-603-5.1	Bituminous Tack Coat	-	per Ton

Material Requirements

ASTM D633	Standard Volume Correction Table for Road Tar
ASTM D977	Standard Specification for Emulsified Asphalt
ASTM D1250	Standard Guide for Use of the Petroleum Measurement Tables
ASTM D2028	Standard Specification for Cutback Asphalt (Rapid-Curing Type)
ASTM D2397	Standard Specification for Cationic Emulsified Asphalt
ASTM D3628	Standard Practice for Selection and Use of Emulsified Asphalts

**** END OF SECTION P-603 ****

Item P-610 Structural Portland Cement Concrete

DESCRIPTION

610-1.1 This item shall consist of plain or reinforced structural portland cement concrete (PCC), prepared and constructed in accordance with these specifications, at the locations and of the form and dimensions shown on the plans. This specification shall be used for all structural and miscellaneous concrete including signage bases.

MATERIALS

610-2.1 General. Only approved materials, conforming to the requirements of these specifications, shall be used in the work. Materials may be subject to inspection and tests at any time during their preparation or use. The source of all materials shall be approved by the Engineer before delivery or use in the work. Representative preliminary samples of the materials shall be submitted by the Contractor, when required, for examination and test. Materials shall be stored and handled to ensure preservation of their quality and fitness for use and shall be located to facilitate prompt inspection. All equipment for handling and transporting materials and concrete must be clean before any material or concrete is placed in them.

The use of pit-run aggregates shall not be permitted unless the pit-run aggregate has been screened and washed, and all fine and coarse aggregates stored separately and kept clean. The mixing of different aggregates from different sources in one storage stockpile or alternating batches of different aggregates shall not be permitted.

a. Reactivity. Fine and Coarse aggregates to be used in all concrete shall be evaluated and tested by the Contractor for alkali-aggregate reactivity in accordance with both ASTM C1260 and C1567. Aggregate and mix proportion reactivity tests shall be performed for each project.

(1) Coarse and fine aggregate shall be tested separately in accordance with ASTM C1260. The aggregate shall be considered innocuous if the expansion of test specimens, tested in accordance with ASTM C1260, does not exceed 0.10% at 28 days (30 days from casting).

(2) Combined coarse and fine aggregate shall be tested in accordance with ASTM C1567, modified for combined aggregates, using the proposed mixture design proportions of aggregates, cementitious materials, and/or specific reactivity reducing chemicals. If lithium nitrate is proposed for use with or without supplementary cementitious materials, the aggregates shall be tested in accordance with Corps of Engineers (COE) CRD C662. If lithium nitrate admixture is used, it shall be nominal 30% ±0.5% weight lithium nitrate in water.

(3) If the expansion of the proposed combined materials test specimens, tested in accordance with ASTM C1567, modified for combined aggregates, or COE CRD C662, does not exceed 0.10% at 28 days, the proposed combined materials will be accepted. If the expansion of the proposed combined materials test specimens is greater than 0.10% at 28 days, the aggregates will not be accepted unless adjustments to the combined materials mixture can reduce the expansion to less than 0.10% at 28 days, or new aggregates shall be evaluated and tested.

610-2.2 Coarse aggregate. The coarse aggregate for concrete shall meet the requirements of ASTM C33. The Engineer may consider and reserve final approval of other State classification procedures addressing aggregate durability.

Coarse aggregate shall be well graded from coarse to fine and shall meet the following gradation shown in the table below when tested per ASTM C136.

GRADATION FOR COARSE AGGREGATE							
Sieve Designation (Square Openings)	Percentage by Weight Passing Sieves						
	2"	1½"	1"	3/4"	1/2"	3/8"	No. 4
No. 4 to 3/4-inch	--	--	100	90-100	--	20-55	0-10
No. 4 to 1 inch	--	100	90-100	--	25-60	--	0-10
No. 4 to 1½ inch	100	95-100	--	35-70	--	10-30	0-5

610-2.2.1 Aggregate susceptibility to durability (D) cracking. Aggregates that have a history of D-cracking shall not be used.

610-2.3 Fine aggregate. The fine aggregate for concrete shall meet the requirements of ASTM C33.

The fine aggregate shall be well graded from fine to coarse and shall meet the requirements of the table below when tested in accordance with ASTM C136:

Gradation For Fine Aggregate

Sieve Designation (square openings)	Percentage by Weight Passing Sieves
3/8 inch (9 mm)	100
No. 4 (4.75 mm)	95-100
No. 16 (1.18 mm)	45-80
No. 30 (0.60 mm)	25-55
No. 50 (0.30 mm)	10-30
No. 100 (0.15 mm)	2-10

Blending will be permitted, if necessary, to meet the gradation requirements for fine aggregate. Fine aggregate deficient in the percentage of material passing the No. 50 mesh sieve may be accepted, if the deficiency does not exceed 5% and is remedied by the addition of pozzolanic or cementitious materials other than Portland cement, as specified in paragraph 610-2.6, Admixtures, in sufficient quantity to produce the required workability as approved by the Engineer.

610-2.4 Cement. Cement shall conform to the requirements of ASTM C 150, Type II Portland cement.

If aggregates are deemed innocuous when tested in accordance with paragraph 610-2.1.a.1 and accepted in accordance with paragraph 610-2.1.a.3, higher equivalent alkali content in the cement may be allowed if approved by the Engineer and FAA. If cement becomes partially set or contains lumps of caked cement, it shall be rejected. Cement salvaged from discarded or used bags shall not be used.

The Contractor shall furnish vendors' certified test reports for each carload, or equivalent, of cement shipped to the project. The report shall be delivered to the Engineer before use of the cement is granted. All test reports shall be subject to verification by testing sample materials received for use on the project.

610-2.5 Water. The water used in concrete shall be fresh, clean and potable; free from injurious amounts of oils, acids, alkalies, salts, organic materials or other substances deleterious to concrete.

610-2.6 Admixtures and supplementary cementitious material. The Contractor shall submit certificates indicating that the material to be furnished meets all of the requirements indicated below. In addition, the Engineer may require the Contractor to submit complete test data from an approved laboratory showing

that the material to be furnished meets all of the requirements of the cited specifications. Subsequent tests may be made of samples taken by the Engineer from the supply of the material being furnished or proposed for use on the work to determine whether the admixture is uniform in quality with that approved.

a. Air-entraining admixtures. Air-entraining admixtures shall meet the requirements of ASTM C260 and shall consistently entrain the air content in the specified ranges under field conditions. The air-entrainment agent and any water reducer admixture shall be compatible.

b. Water-reducing admixtures. Water-reducing admixture shall meet the requirements of ASTM C494, Type A, B, or D. ASTM C494, Type F and G high range water reducing admixtures and ASTM C1017 flowable admixtures shall not be used.

c. Fly ash. Fly ash shall meet the requirements of ASTM C618, with the exception of loss of ignition, where the maximum shall be less than 6%. Fly ash for use in mitigating alkali-silica reactivity shall have a Calcium Oxide (CaO) content of less than 13%.

610-2.7 Premolded joint material. Premolded joint material for expansion joints shall meet the requirements of ASTM D1751 or D1752.

610-2.8 Joint filler. Not Applicable

610-2.9 Steel reinforcement. Reinforcing shall consist of reinforcing steel conforming to ASTM A615 or welded steel wire fabric conforming to the requirements of ASTM A1064.

610-2.10 Materials for curing concrete. Curing materials shall conform to**:**

(a) Waterproof Paper	ASTM C 171
(b) Clear or White Polyethylene Sheeting	ASTM C 171
(c) White Pigmented Liquid Membrane-Forming Compounds for Curing Concrete, Type 2, Class B	ASTM C 309

CONSTRUCTION METHODS

610-3.1 General. The Contractor shall furnish all labor, materials, and services necessary for, and incidental to, the completion of all work as shown on the drawings and specified here. All machinery and equipment used by the Contractor on the work, shall be of sufficient size to meet the requirements of the work. All work shall be subject to the inspection and approval of the Engineer.

610-3.2 Concrete composition. The concrete shall develop a compressive strength of 3,000 psi in 28 days as determined by test cylinders made in accordance with ASTM C31 and tested in accordance with ASTM C39. The concrete shall contain not less than 470 pounds of cement per cubic yard (280 kg per cubic meter). The concrete shall contain 5% of entrained air, ±1%, as determined by ASTM C231 and shall have a slump of not more than 4 inches (100 mm) as determined by ASTM C143.

610-3.3 Acceptance sampling and testing. Concrete for each structure will be accepted on the basis of the compressive strength specified in paragraph 610-3.2. The concrete shall be sampled in accordance with ASTM C172. Concrete cylindrical compressive strength specimens shall be made in accordance with ASTM C31 and tested in accordance with ASTM C39. The Contractor shall cure and store the test specimens under such conditions as directed by the Engineer. The Engineer will make the actual tests on the specimens at no expense to the Contractor.

610-3.4 Qualifications for concrete testing service. Perform concrete testing by an approved laboratory and inspection service experienced in sampling and testing concrete. Testing agency must meet the requirements of ASTM C1077 or ASTM E329.

610-3.5 Proportioning and measuring devices. When package cement is used, the quantity for each batch shall be equal to one or more whole sacks of cement. The aggregates shall be measured separately by weight. If aggregates are delivered to the mixer in batch trucks, the exact amount for each mixer charge shall be contained in each batch compartment. Weighing boxes or hoppers shall be approved by the Engineer and shall provide means of regulating the flow of aggregates into the batch box so the required, exact weight of aggregates is obtained.

610-3.6 Consistency. The consistency of the concrete shall be determined by the slump test specified in ASTM C143.

610-3.7 Mixing. Concrete may be mixed at the construction site, at a central point, or wholly or in part in truck mixers. The concrete shall be mixed and delivered in accordance with the requirements of ASTM C94.

610-3.8 Mixing conditions. The concrete shall be mixed only in quantities required for immediate use. Concrete shall not be mixed while the air temperature is below 40°F (4°C) without permission of the Engineer. If permission is granted for mixing under such conditions, aggregates or water, or both, shall be heated and the concrete shall be placed at a temperature not less than 50°F (10°C) nor more than 100°F (38°C). The Contractor shall be held responsible for any defective work, resulting from freezing or injury in any manner during placing and curing, and shall replace such work at his expense.

Retempering of concrete by adding water or any other material shall not be permitted.

The rate of delivery of concrete to the job shall be sufficient to allow uninterrupted placement of the concrete.

610-3.9 Forms. Concrete shall not be placed until all the forms and reinforcements have been inspected and approved by the Engineer. Forms shall be of suitable material and shall be of the type, size, shape, quality, and strength to build the structure as shown on the plans. The forms shall be true to line and grade and shall be mortar-tight and sufficiently rigid to prevent displacement and sagging between supports. The surfaces of forms shall be smooth and free from irregularities, dents, sags, and holes. The Contractor shall be responsible for their adequacy.

The internal form ties shall be arranged so no metal will show in the concrete surface or discolor the surface when exposed to weathering when the forms are removed. All forms shall be wetted with water or with a non-staining mineral oil, which shall be applied immediately before the concrete is placed. Forms shall be constructed so they can be removed without injuring the concrete or concrete surface. The forms shall not be removed until at least 30 hours after concrete placement for vertical faces, walls, slender columns, and similar structures. Forms supported by falsework under slabs, beams, girders, arches, and similar construction shall not be removed until tests indicate the concrete has developed at least 60% of the design strength.

610-3.10 Placing reinforcement. All reinforcement shall be accurately placed, as shown on the plans, and shall be firmly held in position during concrete placement. Bars shall be fastened together at intersections. The reinforcement shall be supported by approved metal chairs. Shop drawings, lists, and bending details shall be supplied by the Contractor when required.

610-3.11 Embedded items. Before placing concrete, all embedded items shall be firmly and securely fastened in place as indicated. All embedded items shall be clean and free from coating, rust, scale, oil, or any foreign matter. The concrete shall be spaded and consolidated around and against embedded items. The embedding of wood shall not be allowed.

610-3.12 Placing concrete. All concrete shall be placed during daylight hours, unless otherwise approved. The concrete shall not be placed until the depth and condition of foundations, the adequacy of forms and falsework, and the placing of the steel reinforcing have been approved by the Engineer. Concrete shall be placed as soon as practical after mixing, but in no case later than one (1) hour after water has been added to the mix. The method and manner of placing shall avoid segregation and displacement of the reinforcement. Troughs, pipes, and chutes shall be used as an aid in placing concrete when necessary. The

concrete shall not be dropped from a height of more than 5 feet (1.5 m). Concrete shall be deposited as nearly as practical in its final position to avoid segregation due to rehandling or flowing. Do not subject concrete to procedures which cause segregation. Concrete shall be placed on clean, damp surfaces, free from running water, or on a properly consolidated soil foundation.

610-3.13 Vibration. Vibration shall follow the guidelines in American Concrete Institute (ACI) Committee 309, Guide for Consolidation of Concrete. Where bars meeting ASTM A775 or A934 are used, the vibrators shall be equipped with rubber or non-metallic vibrator heads. Furnish a spare, working, vibrator on the job site whenever concrete is placed. Consolidate concrete slabs greater than 4 inches (100 mm) in depth with high frequency mechanical vibrating equipment supplemented by hand spading and tamping. Consolidate concrete slabs 4 inches (100 mm) or less in depth by wood tampers, spading, and settling with a heavy leveling straightedge. Operate internal vibrators with vibratory element submerged in the concrete, with a minimum frequency of not less than 6000 cycles per minute when submerged. Do not use vibrators to transport the concrete in the forms. Penetrate the previously placed lift with the vibrator when more than one lift is required. Use external vibrators on the exterior surface of the forms when internal vibrators do not provide adequate consolidation of the concrete. Vibrators shall be manipulated to work the concrete thoroughly around the reinforcement and embedded fixtures and into corners and angles of the forms. The vibration at any point shall be of sufficient duration to accomplish compaction but shall not be prolonged to where segregation occurs. Concrete deposited under water shall be carefully placed in a compact mass in its final position by means of a tremie or other approved method and shall not be disturbed after placement.

610-3.14 Construction joints. If the placement of concrete is suspended, necessary provisions shall be made for joining future work before the placed concrete takes its initial set. For the proper bonding of old and new concrete, provisions shall be made for grooves, steps, reinforcing bars or other devices as specified. The work shall be arranged so that a section begun on any day shall be finished during daylight of the same day. Before depositing new concrete on or against concrete that has hardened, the surface of the hardened concrete shall be cleaned by a heavy steel broom, roughened slightly, wetted, and covered with a neat coating of cement paste or grout.

610-3.15 Expansion joints. Expansion joints shall be constructed at such points and dimensions as indicated on the drawings. The premolded filler shall be cut to the same shape as the surfaces being joined. The filler shall be fixed firmly against the surface of the concrete already in place so that it will not be displaced when concrete is deposited against it.

610-3.16 Defective work. Any defective work discovered after the forms have been removed, which in the opinion of the Engineer cannot be repaired satisfactorily, shall be immediately removed and replaced at the expense of the Contractor. Defective work shall include deficient dimensions, or bulged, uneven, or honeycomb on the surface of the concrete.

610-3.17 Surface finish. All exposed concrete surfaces shall be true, smooth, and free from open or rough areas, depressions, or projections. All concrete horizontal plane surfaces shall be brought flush to the proper elevation with the finished top surface struck-off with a straightedge and floated. Mortar finishing shall not be permitted, nor shall dry cement or sand-cement mortar be spread over the concrete during the finishing of horizontal plane surfaces.

The surface finish of exposed concrete shall be a rubbed finish. If forms can be removed while the concrete is still green, the surface shall be wetted and then rubbed with a wooden float until all irregularities are removed. If the concrete has hardened before being rubbed, a carborundum stone shall be used to finish the surface. When approved, the finishing can be done with a finishing machine.

610-3.18 Curing and protection. All concrete shall be properly cured and protected by the Contractor. The concrete shall be protected from the weather, flowing water, and from defacement of any nature during the project. The concrete shall be cured by covering with an approved material as soon as it has sufficiently hardened. Water-absorptive coverings shall be thoroughly saturated when placed and kept saturated for at least three (3) days following concrete placement. All curing mats or blankets shall be sufficiently weighted

or tied down to keep the concrete surface covered and to prevent the surface from being exposed to air currents. Wooden forms shall be kept wet at all times until removed to prevent opening of joints and drying out of the concrete. Traffic shall not be allowed on concrete surfaces for seven (7) days after the concrete has been placed.

610-3.19 Drains or ducts. Drainage pipes, conduits, and ducts that are to be encased in concrete shall be installed by the Contractor before the concrete is placed. The pipe shall be held rigidly so that it will not be displaced or moved during the placing of the concrete.

610-3.20 Cold weather placing. When concrete is placed at temperatures below 40°F (4°C), the Contractor shall provide satisfactory methods and means to protect the mix from injury by freezing. The aggregates, or water, or both, shall be heated to place the concrete at temperatures between 50°F and 100°F (10°C and 38°C).

Calcium chloride may be incorporated in the mixing water when directed by the Engineer. Not more than 2 pounds (908 grams) of Type 1 nor more than 1.6 pounds (726 grams) of Type 2 shall be added per bag of cement. After the concrete has been placed, the Contractor shall provide sufficient protection such as cover, canvas, framework, heating apparatus, etc., to enclose and protect the structure and maintain the temperature of the mix at not less than 50°F (10°C) until at least 60% of the designed strength has been attained.

610-3.21 Hot weather placing. Concrete shall be properly placed and finished with procedures previously submitted. The concrete-placing temperature shall not exceed 90°F when measured in accordance with ASTM C1064. Cooling of the mixing water and aggregates, or both, may be required to obtain an adequate placing temperature. A retarder meeting the requirements of paragraph 610-2.6 may be used to facilitate placing and finishing. Steel forms and reinforcement shall be cooled prior to concrete placement when steel temperatures are greater than 120°F (50°C). Conveying and placing equipment shall be cooled if necessary to maintain proper concrete-placing temperature. Submit the proposed materials and methods for review and approval by the Engineer, if concrete is to be placed under hot weather conditions.

610-3.22 Filling joints. All joints that require filling shall be thoroughly cleaned, and any excess mortar or concrete shall be cut out with proper tools. Joint filling shall not start until after final curing and shall be done only when the concrete is completely dry. The cleaning and filling shall be done with proper equipment to obtain a neat looking joint free from excess filler.

METHOD OF MEASUREMENT

610-4.1 Not Applicable.

BASIS OF PAYMENT

610-5.1 Not Applicable.

TESTING REQUIREMENTS

ASTM C31	Standard Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
ASTM C136	Standard Test Method for Sieve or Screen Analysis of Fine and Coarse Aggregates
ASTM C138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C143	Standard Test Method for Slump of Hydraulic-Cement Concrete
ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C666	Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing
ASTM C1017	Standard Specification for Chemical Admixtures for Use in Producing Flowing Concrete
ASTM C1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1077	Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation
ASTM C1260	Standard Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)
ASTM C1567	Standard Test Method for Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregates (Accelerated Mortar-Bar Method)
ASTM E329	Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
U.S. Army Corps of Engineers (USACE) Concrete Research Division (CRD) C662	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials, Lithium Nitrate Admixture and Aggregate (Accelerated Mortar-Bar Method)

MATERIAL REQUIREMENTS

ASTM A184	Standard Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement
ASTM A185	Standard Specification for Steel Welded Wire Reinforcement, Plain, for Concrete
ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
ASTM A704	Standard Specification for Welded Steel Plain Bar or Rod Mats for Concrete Reinforcement
ASTM A706	Standard Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement
ASTM A775	Standard Specification for Epoxy-Coated Steel Reinforcing Bars
ASTM A934	Standard Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars
ASTM A1064	Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete
ASTM C33	Standard Specification for Concrete Aggregates
ASTM C94	Standard Specification for Ready-Mixed Concrete
ASTM C150	Standard Specification for Portland Cement
ASTM C171	Standard Specification for Sheet Materials for Curing Concrete
ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete
ASTM C260	Standard Specification for Air-Entraining Admixtures for Concrete
ASTM C309	Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
ASTM C494	Standard Specification for Chemical Admixtures for Concrete
ASTM C595	Standard Specification for Blended Hydraulic Cements
ASTM C618	Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
ASTM D1751	Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Asphalt Types)
ASTM D1752	Standard Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction
ACI 305R	Hot Weather Concreting
ACI 306R	Cold Weather Concreting
ACI 309R	Guide for Consolidation of Concrete

END OF ITEM P-610

Item P-620 Runway and Taxiway Marking

DESCRIPTION

620-1.1 This item shall consist of the preparation and painting of numbers, markings, and stripes on the surface of runways, taxiways, and aprons, in accordance with these specifications and at the locations shown on the plans, or as directed by the Engineer. The terms "paint" and "marking material" as well as "painting" and "application of markings" are interchangeable throughout this specification.

MATERIALS

620-2.1 Materials acceptance. The Contractor shall furnish manufacturer's certified test reports for materials shipped to the project. The certified test reports shall include a statement that the materials meet the specification requirements. The reports can be used for material acceptance or the Engineer may perform verification testing. The reports shall not be interpreted as a basis for payment. The Contractor shall notify the Engineer upon arrival of a shipment of materials to the site. All material shall arrive in sealed containers 55 gallons or smaller for inspection by the Engineer. Material shall not be loaded into the equipment until inspected by the Engineer.

620-2.2 Marking materials. Paint shall be Waterborne in accordance with requirements of paragraph 620-2.2. Paint shall be furnished in the following colors in accordance with Federal Standard No. 595:

- White – 37925
- Yellow - 33538 or 33655
- Black – 37038

Waterborne black paint shall be used to outline a border at least 6 inch (150 mm) wide around major markings as shown on the plans. Preformed thermoplastic markings shall have a non-reflectorized black border integral to the marking.

Waterborne. Paint shall meet the requirements of Federal Specification TT-P-1952E and be furnished in Type I - Standard drying time for no-pick-up. The non-volatile portion of the vehicle for all paint types shall be composed of a 100% acrylic polymer as determined by infrared spectral analysis.

620-2.3 Reflective Media. Glass beads shall meet requirements of Federal Specification TT-B-1325D, Type III, High Index of Refraction. Glass beads shall be treated with all compatible coupling agents recommended by the manufacturers of the paint and reflective media to ensure adhesion and embedment.

CONSTRUCTION METHODS

620-3.1 Weather limitations. The painting shall be performed only when the surface is dry and when the surface temperature is at least 45°F (7°C) and rising and the pavement surface temperature is at least 5°F (2.7°C) above the dew point or meets the manufacturer's recommendations. Markings shall not be applied when the pavement temperature is greater than 130°F. Markings shall not be applied when the wind speed exceeds 10 mph unless windscreens are used to shroud the material guns.

620-3.2 Equipment. Equipment shall include the apparatus necessary to properly clean the existing surface, a mechanical marking machine, a bead dispensing machine, and such auxiliary hand-painting equipment as may be necessary to satisfactorily complete the job.

The mechanical marker shall be an atomizing spray-type or airless-type marking machine suitable for application of traffic paint. It shall produce an even and uniform film thickness at the required coverage

and shall apply markings of uniform cross-sections and clear-cut edges without running or spattering and without over spray.

620-3.3 Preparation of surface. Immediately before application of the paint, the surface shall be dry and free from dirt, grease, oil, laitance, or other foreign material that would reduce the bond between the paint and the pavement. The area to be painted shall be cleaned by waterblasting, shotblasting, grinding , sandblasting or by other methods as required to remove all contaminants minimizing damage to the pavement surface. Use of any chemicals or impact abrasives during surface preparation shall be approved in advance by the Engineer. After the cleaning operations, sweeping, blowing, or rinsing with pressurized water shall be performed to ensure the surface is clean and free of grit or other debris left from the cleaning process.

Paint shall not be applied to Portland cement concrete pavement until the areas to be painted are clean of curing material. Sandblasting or high-pressure water shall be used to remove curing materials.

At least 24 hours prior to remarking existing markings, existing markings must be removed such that 90% of the existing markings are removed. After removal, the surface shall be cleaned of all residue or debris either with sweeping or blowing with compressed air or both.

Prior to the application of any markings, the Contractor shall certify in writing that the surface has been prepared in accordance with the paint manufacturer's requirements, that the application equipment is appropriate for the type of marking paint and that environmental conditions are appropriate for the material being applied. This certification along with a copy of the paint manufacturer's surface preparation and application requirements must be submitted and approved by the Engineer prior to the initial application of markings.

620-3.4 Layout of markings. The proposed markings shall be laid out in advance of paint application. The locations of markings to receive glass beads shall be as shown on the plans.

620-3.5 Application. Paint shall be applied at the locations and to the dimensions and spacing shown on the plans. Paint shall not be applied until the layout and condition of the surface has been approved by the Engineer. The edges of the markings shall not vary from a straight line more than 1/2 inch (12 mm) in 50 feet (15 m), and marking dimensions and spacings shall be within the following tolerances:

Dimension and Spacing	Tolerance
36 inches or less	± ½ inch
greater than 36 inches to 6 feet	± 1 inch
greater than 6 feet to 60 feet	± 2 inches
greater than 60 feet	± 3 inches

The paint shall be mixed in accordance with the manufacturer's instructions and applied to the pavement with a marking machine at the rate(s) shown in Table 1. The addition of thinner will not be permitted. A period of 10 days shall elapse between placement of a bituminous surface course or seal coat and application of the permanent paint.

An initial paint coat shall be applied at 50% of the permanent coverage rate seven days after the placement of the hot mix asphalt. Glass beads are not required in initial coat.

TABLE 1. APPLICATION RATES FOR PAINT AND GLASS BEADS		
Paint Type	Paint Square feet per gallon, ft^2/gal (Square meters per liter, m^2/l)	Glass Beads, Type III, Pounds per gallon of paint--lb./gal. (Kilograms per liter of paint--kg/l)
Waterborne	115 ft^2/gal. max. (2.8 m^2/l)	10 lb./gal. min. (1.2 kg/l)

Prior to the initial application of markings, the Contractor shall certify in writing that the surface has been prepared in accordance with the paint manufacturer's requirements, that the application equipment is appropriate for the marking paint and that environmental conditions are appropriate for the material being applied. This certification along with a copy of the paint manufactures application and surface preparation requirements must be submitted to the Engineer prior to the initial application of markings.

The glass beads shall be distributed to marked areas at the locations shown on the plans to receive glass beads immediately after application of the final coat of paint. A dispenser shall be furnished that is properly designed for attachment to the marking machine and suitable for dispensing glass beads. Glass beads shall be applied at the rate(s) shown in Table No. 1. Glass beads shall not be applied to black paint. Glass beads shall adhere to the cured paint or all marking operations shall cease until corrections are made. Glass beads shall be applied uniformly on all painted surfaces.

All emptied containers shall be returned to the paint storage area for checking by the Engineer. The containers shall not be removed from the airport or destroyed until authorized by the Engineer.

620-3.6 Test Strip. Prior to the full application of airfield markings, the Contractor shall produce a test strip in the presence of the engineer. The test strip shall include the application of a minimum of 5 gallons of paint and application of 35 lbs of Type I/50 lbs of Type III glass beads. The test strip shall be used to establish thickness/darkness standard for all markings. The test strip shall cover no more than the maximum area prescribed in Table 1 (e.g., for 5 gallons of waterborne paint shall cover no more than 575 square feet).

620-3.7 Application – Preformed thermoplastic airport pavement markings. Asphalt and Portland cement. Not applicable.

620-3.8 Protection and cleanup. After application of the markings, all markings shall be protected from damage until dry. All surfaces shall be protected from excess moisture and/or rain and from disfiguration by spatter, splashes, spillage, or drippings. The Contractor shall remove from the work area all debris, waste, loose or unadhered reflective media, and by-products generated by the surface preparation and application operations to the satisfaction of the Engineer. The Contractor shall dispose of these wastes in strict compliance with all applicable state, local, and Federal environmental statutes and regulations.

Method of Measurement

620-4.1 The quantity of runway and taxiway markings to be paid for shall be the number of square feet of painting and the number of pounds of reflective media and the number of square feet of preformed markings performed in accordance with the specifications and accepted by the Engineer.

Basis of Payment

620-5.1 Payment will be made at the respective contract price per square foot for runway and taxiway marking and price per pound for reflective media-and price per square foot for preformed markings. This price shall be full compensation for furnishing all materials, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-620-5.1	Runway and Taxiway Marking	-	per Square Foot
Item P-620-5.2	Reflective Media	-	per Pound

Testing Requirements

ASTM C371	Standard Test Method for Wire-Cloth Sieve Analysis of Nonplastic Ceramic Powders
ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D 711	No-Pick-Up Time of Traffic Paint
ASTM D968	Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive
ASTM D1652	Standard Test Method for Epoxy Content of Epoxy Resins
ASTM D2074	Standard Test Method for Total, Primary, Secondary, and Tertiary Amine Values of Fatty Amines by Alternative Indicator Method
ASTM D2240	Standard Test Method for Rubber Property - Durometer Hardness
ASTM D7585	Standard Practice for Evaluating Retroreflective Pavement Markings Using Portable Hand-Operated Instruments
ASTM E1710	Standard Test Method for Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retroreflectometer
ASTM E2302	Standard Test Method for Measurement of the Luminance Coefficient Under Diffuse Illumination of Pavement Marking Materials Using a Portable Reflectometer
ASTM G154	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials

Material Requirements

ASTM D476	Standard Classification for Dry Pigmentary Titanium Dioxide Products
40 CFR Part 60 Appendix A-7, Method 24	Determination of volatile matter content, water content, density, volume solids, and weight solids of surface coatings
29CFR Part 1910.1200	Hazard Communication
Federal Specification TT-B-1325D	Beads (Glass Spheres) Retro-Reflective
AASHTO M247	Glass Beads Used in Pavement Markings
Federal Specification TT-P-1952E	Paint, Traffic and Airfield Marking, Waterborne
Commercial Item Description A-A-2886B	Paint, Traffic, Solvent Based
Federal Standard 595	Colors Used in Government Procurement
AC 150/5340-1	Standards for Airport Markings

**** END OF SECTION P-620 ****

ITEM F-162 CHAIN-LINK FENCES

Description

162-1.1 This item shall consist of furnishing and erecting a chain-link fence in accordance with these specifications, the details shown on the plans, and in conformity with the lines and grades shown on the plans or established by the Engineer.

Materials

162-2.1 FABRIC. New fabric shall be woven 9-gage galvanized steel wire in a 2-inch mesh and shall meet the requirements of ASTM A 392, Class 2.

162-2.2 BARBED WIRE. Not Applicable

162-2.3 POSTS, RAILS, AND BRACES. Line posts, rails, and braces shall conform to the requirements of ASTM F-1043 or ASTM F 1083 as follows:

- Galvanized tubular steel pipe shall conform to the requirements of Group IA, (Schedule 40) coatings conforming to Type A, or Group IC (High Strength Pipe), External coating Type B, and internal coating Type B or D.

- Roll Formed Steel Shapes (C-Sections) shall conform to the requirements of Group IIA, and be galvanized in accordance with the requirements of ASTM F 1043, Type A.

- Hot-Rolled Shapes (H Beams) shall meet the requirements of Group III, and be galvanized in accordance with the requirements of ASTM F 1043, Type A.

Posts, rails, and braces, with the exception of galvanized steel conforming to ASTM F 1043 or ASTM F 1083, Group 1A, Type A, or aluminum alloy, shall demonstrate the ability to withstand testing in salt spray in accordance with ASTM B 117 as follows:

External:	1,000 hours with a maximum of 5% red rust.
Internal:	650 hours with a maximum of 5% red rust.

Dimensions of the posts, rails, and braces shall be accordance with Tables I through VI of Federal Specification RR-F-191/3D.

162-2.4 GATES. Gate frames shall consist of galvanized steel pipe and shall conform to the specifications for the same material under paragraph 162-2.3. The fabric shall be of the same type material as used in the fence.

162-2.5 WIRE TIES AND TENSION WIRES. Wire ties for use in conjunction with a given type of fabric shall be of the same material and coating weight identified with the fabric type. Tension wire

shall be 7-gauge marcelled steel wire with the same coating as the fabric type and shall conform to ASTM A824.

All material shall conform to Federal Specification RR-F-191/4

162-2.6 MISCELLANEOUS FITTINGS AND HARDWARE. Miscellaneous steel fittings and hardware for use with zinc-coated steel fabric shall be of commercial grade steel or better quality, wrought or cast as appropriate to the article, and sufficient in strength to provide a balanced design when used in conjunction with fabric, posts, and wires of the quality specified herein. All steel fittings and hardware shall be protected with a zinc coating applied in conformance with ASTM A 153.

162-2.7 CONCRETE. Concrete shall be of a commercial grade with a minimum 28-day compressive strength of 2,500 psi.

162-2.8 MARKING. Each roll of fabric shall carry a tag showing the kind of base metal (steel, aluminum, or aluminum alloy number), kind of coating, the gage of the wire, the length of fencing in the roll, and the name of the manufacturer. Posts, wire, and other fittings shall be identified as to manufacturer, kind of base metal (steel, aluminum, or aluminum alloy number), and kind of coating.

Construction Methods

162-3.1 CLEARING FENCE LINE. All trees, brush, stumps, logs, and other debris which would interfere with the proper construction of the fence in the required location shall be removed a minimum width of 5 feet (1.5 m) on each side of the fence centerline before starting fencing operations. The cost of removing and disposing of the material shall not constitute a pay item and shall be considered incidental to fence construction.

162-3.2 INSTALLING POSTS. All posts shall be set in concrete at the required dimension and depth and at the spacing shown on the plans.

The concrete shall be thoroughly compacted around the posts by tamping or vibrating and shall have a smooth finish slightly higher than the ground and sloped to drain away from the posts. All posts shall be set plumb and to the required grade and alignment. No materials shall be installed on the posts, nor shall the posts be disturbed in any manner within seven (7) days after the individual post footing is completed.

Should rock be encountered at a depth less than the planned footing depth, a hole 2 inches (50 mm) larger than the greatest dimension of the posts shall be drilled to a depth of 12 inches (300 mm). After the posts are set, the remainder of the drilled hole shall be filled with grout, composed of one part Portland cement and two parts mortar sand. Any remaining space above the rock shall be filled with concrete in the manner described above.

In lieu of drilling, the rock may be excavated to the required footing depth. No extra compensation shall be made for rock excavation.

162-3.3 INSTALLING TOP RAILS. The top rail shall be continuous and shall pass through the post tops. The coupling used to join the top rail lengths shall allow for expansion.

162-3.4 INSTALLING BRACES. Horizontal brace rails, with diagonal truss rods and turnbuckles, shall be installed each side of all terminal posts.

162-3.5 INSTALLING FABRIC. The wire fabric shall be firmly attached to the posts and braced as shown on the plans. All wire shall be stretched taut and shall be installed to the required elevations. The fence shall generally follow the contour of the ground, with the fence fabric no less than one inch or more than four inches from the ground surface. Grading shall be performed where necessary to provide a neat appearance.

At locations of small natural swales or drainage ditches and where it is not practical to have the fence conform to the general contour of the ground surface, longer posts may be used and multiple strands of barbed wire stretched to span the opening below the fence. The vertical clearance between strands of barbed wire shall be 6 inches (150 mm) or less.

162-3.6 ELECTRICAL GROUNDS. Not Applicable.

162-3.7 CLEANING UP. The Contractor shall remove from the vicinity of the completed work all tools, buildings, equipment, etc. used during construction.

Method of Measurement

162-4.1 Chain-link fence will be measured for payment by the linear foot. Measurement will be along the top of the fence from center to center of end posts, excluding the length occupied by gate openings.

162-4.2 Gates will be measured as complete units.

Basis of Payment

162-5.1 Payment for chain-link fence will be made at the contract unit price per linear foot.

162-5.2 Payment for pedestrian gates will be made at the contract unit price per each gate.

The price shall be full compensation for furnishing all materials, and for all preparation, erection, and installation of these materials, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

4-foot Chain-Link Fence, Class E (F-162)	-	per Linear Foot
4-foot High, 4-foot Wide, Pedestrian Gate (F-162)	-	per Each

Material Requirements

ASTM A121	Standard Specification for Metallic-Coated Carbon Steel Barbed Wire
ASTM A123	Standard Specification for Zinc (Hot Dip Galvanized) Coatings on Iron and Steel Products
ASTM A153	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM A392	Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric
ASTM A491	Standard Specification for Aluminum-Coated Steel Chain-Link Fence Fabric
ASTM A572	Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
ASTM A653	Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
ASTM A824	Standard Specification for Metallic-Coated Steel Marcelled Tension Wire for Use With Chain Link Fence
ASTM A1011	Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High Strength Low Alloy with Improved Formability, and Ultra High Strength
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM B221	Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles and Tubes
ASTM B429	Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube
ASTM F668	Standard Specification for Polyvinyl Chloride(PVC), Polyolefin and other Organic Polymer Coated Steel Chain-Link Fence Fabric
ASTM F1043	Standard Specification for Strength and Protective Coatings on Steel Industrial Fence Framework
ASTM F1083	Standard Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures
ASTM F1183	Standard Specification for Aluminum Alloy Chain Link Fence Fabric

ASTM F1345	Standard Specification for Zinc 5% Aluminum-Mischmetal Alloy Coated Steel Chain-Link Fence Fabric
ASTM G152	Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
ASTM G153	Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
ASTM G154	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials
ASTM G155	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials
FED SPEC RR-F-191/3	Fencing, Wire and Post, Metal (Chain-Link Fence Posts, Top Rails and Braces)
FED SPEC RR-F-191/4	Fencing, Wire and Post, Metal (Chain-Link Fence Accessories)
FAA-STD-019	Lightning and Surge Protection, Grounding, Bonding and Shielding Requirements for Facilities and Electronic Equipment

**** END OF SECTION ****

Item D-701 Pipe for Storm Drains and Culverts

DESCRIPTION

701-1.1 This item shall consist of the construction of pipe culverts and storm drains in accordance with these specifications and in reasonably close conformity with the lines and grades shown on the plans.

MATERIALS

701-2.1 Materials shall meet the requirements shown on the plans and specified below.

701-2.2 Pipe. The pipe shall be of the type called for on the plans or in the proposal and shall be in accordance with the following appropriate requirements:

Reinforced Concrete Pipe. Reinforced concrete pipe shall conform to requirements of ASTM C 76, Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, and shall be Class IV.

701-2.3 Concrete. Concrete for pipe cradles shall have a minimum compressive strength of 2000 psi (13.8 MPa) at 28 days and conform to the requirements of ASTM C94.

701-2.4 Rubber gaskets. Rubber gaskets for rigid pipe shall conform to the requirements of ASTM C443. Rubber gaskets for PVC pipe, polyethylene, and polypropylene pipe shall conform to the requirements of ASTM F477. Rubber gaskets for zinc-coated steel pipe and precoated galvanized pipe shall conform to the requirements of ASTM D1056, for the "RE" closed cell grades. Rubber gaskets for steel reinforced thermoplastic ribbed pipe shall conform to the requirements of ASTM F477.

701-2.5 Joint mortar. Pipe joint mortar shall consist of one part Portland cement and two parts sand. The Portland cement shall conform to the requirements of ASTM C150, Type I. The sand shall conform to the requirements of ASTM C144.

701-2.6 Joint fillers. Poured filler for joints shall conform to the requirements of ASTM D6690.

701-2.7 Plastic gaskets. Plastic gaskets shall conform to the requirements of AASHTO M198 (Type B).

701-2.8. Controlled Low Strength Material (CLSM). CLSM is not allowed**.**

CONSTRUCTION METHODS

701-3.1 Excavation. The width of the pipe trench shall be sufficient to permit satisfactory jointing of the pipe and thorough tamping of the bedding material under and around the pipe, but it shall not be less than the external diameter of the pipe plus 6 inches (150 mm) on each side. The trench walls shall be approximately vertical.

The Contractor shall comply with all current Federal, state and local rules and regulations governing the safety of men and materials during the excavation, installation and backfilling operations. Specifically, the Contractor shall observe that all requirements of the Occupational Safety and Health Administration (OSHA) relating to excavations, trenching and shoring are strictly adhered to. The width of the trench shall be sufficient to permit satisfactorily jointing of the pipe and thorough compaction of the bedding material under the pipe and backfill material around the pipe, but it shall not be greater than the widths shown on the plans trench detail. The trench bottom shall be shaped to fully and uniformly support the bottom quadrant of the pipe.

Where rock, hardpan, or other unyielding material is encountered, the Contractor shall remove it from below the foundation grade for a depth of at least 8 inch (200 mm) or 1/2 inch (12 mm) for each foot of fill over the top of the pipe (whichever is greater) but for no more than three-quarters of the nominal diameter of the pipe. The excavation below grade shall be backfilled with selected fine compressible material, such as silty clay or loam, and lightly compacted in layers not over 6 inches (150 mm) in uncompacted depth to form a uniform but yielding foundation.

Where a firm foundation is not encountered at the grade established, due to soft, spongy, or other unstable soil, the unstable soil shall be removed and replaced with approved granular material for the full trench width. The Engineer shall determine the depth of removal necessary. The granular material shall be compacted to provide adequate support for the pipe.

The excavation for pipes placed in embankment fill shall not be made until the embankment has been completed to a height above the top of the pipe as shown on the plans.

701-3.2 Bedding. The pipe bedding shall conform to the class specified on the plans. The bedding surface for the pipe shall provide a firm foundation of uniform density throughout the entire length of the pipe. When no bedding class is specified or detailed on the plans, the requirements for Class C bedding shall apply.

a. Rigid pipe. Class A bedding shall consist of a continuous concrete cradle conforming to the plan details.

Class B bedding shall consist of a bed of granular material having a thickness of at least 6 inches (150 mm) below the bottom of the pipe and extending up around the pipe for a depth of not less than 30% of the pipe's vertical outside diameter. The layer of bedding material shall be shaped to fit the pipe for at least 10% of the pipe's vertical diameter and shall have recesses shaped to receive the bell of bell and spigot pipe. The bedding material shall be sand or select sandy soil with 100% passing a 3/8 inch (9 mm) sieve and not more than 10% passing a No. 200 (0.075 mm) sieve.

Class C bedding shall consist of bedding the pipe in its natural foundation material to a depth of not less than 10% of the pipe's vertical outside diameter. The bed shall be shaped to fit the pipe and shall have recesses shaped to receive the bell of bell and spigot pipe.

b. Flexible pipe. Not applicable.

c. PVC, polyethylene, and polypropylene pipe. Not applicable.

701-3.3 Laying pipe. The pipe laying shall begin at the lowest point of the trench and proceed upgrade. The lower segment of the pipe shall be in contact with the bedding throughout its full length. Bell or groove ends of rigid pipes and outside circumferential laps of flexible pipes shall be placed facing upgrade.

Paved or partially lined pipe shall be placed so that the longitudinal center line of the paved segment coincides with the flow line.

Elliptical and elliptically reinforced concrete pipes shall be placed with the manufacturer's reference lines designating the top of the pipe within five degrees of a vertical plane through the longitudinal axis of the pipe.

701-3.4 Joining pipe. Joints shall be made with (1) Portland cement mortar, (2) Portland cement grout, (3) rubber gaskets, (4) plastic gaskets, or (5) coupling bands.

Mortar joints shall be made with an excess of mortar to form a continuous bead around the outside of the pipe and shall be finished smooth on the inside. Molds or runners shall be used for grouted joints to retain the poured grout. Rubber ring gaskets shall be installed to form a flexible watertight seal.

a. Concrete pipe. Concrete pipe may be either bell and spigot or tongue and groove. The method of joining pipe sections shall be so the ends are fully entered and the inner surfaces are reasonably flush and even. Joints shall be thoroughly wetted before applying mortar or grout.

b. Metal pipe. Not applicable

c. PVC, polyethylene and polypropylene pipe. Not applicable.

701-3.5 Backfilling. Pipes shall be inspected before any backfill is placed; any pipes found to be out of alignment, unduly settled, or damaged shall be removed and relaid or replaced at the Contractor's expense.

Material for backfill shall be fine, readily compatible soil or granular material selected from the excavation or a source of the Contractor's choosing It shall not contain frozen lumps, stones that would be retained on a 2-inch (50 mm) sieve, chunks of highly plastic clay, or other objectionable material. Granular backfill material shall have 95% or more passing the a 1/2 inch (12 mm) sieve, with 95% or more being retained on the No. 4 (4.75 mm) sieve.

When the top of the pipe is even with or below the top of the trench, the backfill shall be compacted in layers not exceeding 6 inches (150 mm) on each side of the pipe and shall be brought up one foot (30 cm) above the top of the pipe or to natural ground level, whichever is greater. Thoroughly compact the backfill material under the haunches of the pipe without displacing the pipe. Material shall be brought up evenly on each side of the pipe for the full length of the pipe.

When the top of the pipe is above the top of the trench, the backfill shall be compacted in layers not exceeding 6 inches (150 mm) and shall be brought up evenly on each side of the pipe to one foot (30 cm) above the top of the pipe. The width of backfill on each side of the pipe for the portion above the top of the trench shall be equal to twice the pipe's diameter or 12 feet (3.7 m), whichever is less.

For PVC, polyethylene, and polypropylene pipe, the backfill shall be placed in two stages; first to the top of the pipe and then at least 12 inches (300 mm) over the top of the pipe. The backfill material shall meet the requirements of paragraph 701-3.2c.

All backfill shall be compacted to the density required under Item P-152.

It shall be the Contractor's responsibility to protect installed pipes and culverts from damage due to construction equipment operations. The Contractor shall be responsible for installation of any extra strutting or backfill required to protect pipes from the construction equipment.

METHOD OF MEASUREMENT

701-4.1 The length of pipe shall be measured in linear feet of pipe in place, completed, and approved. It shall be measured along the centerline of the pipe from end or inside face of structure to the end or inside face of structure, whichever is applicable. The several classes, types and size shall be measured separately. All fittings shall be included in the footage as typical pipe sections in the pipe being measured.

BASIS OF PAYMENT

701-5.1 Payment will be made at the contract unit price per linear foot for each kind of pipe of the type and size designated.

These prices shall fully compensate the Contractor for furnishing all materials and for all preparation, excavation, and installation of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item 701-5.1b	18-inch Reinforced Concrete Pipe, Class IV	-	per linear foot
Item 701-5.1c	24-inch Reinforced Concrete Pipe, Class IV	-	per linear foot

MATERIAL REQUIREMENTS

AASHTO M167	Standard Specification for Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
AASHTO M190	Standard Specification for Bituminous-Coated Corrugated Metal Culvert Pipe and Pipe Arches
AASHTO M196	Standard Specification for Corrugated Aluminum Pipe for Sewers and Drains
AASHTO M198	Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
AASHTO M219	Standard Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches
AASHTO M243	Standard Specification for Field Applied Coating of Corrugated Metal Structural Plate for Pipe, Pipe-Arches, and Arches
AASHTO M252	Standard Specification for Corrugated Polyethylene Drainage Pipe
AASHTO M294	Standard Specification for Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter
AASHTO M304	Standard Specification for Poly (Vinyl Chloride) (PVC) Profile Wall Drain Pipe and Fittings Based on Controlled Inside Diameter
AASHTO MP20	Standard Specification for Steel Reinforced Polyethylene (PE) Ribbed Pipe, 300- to 900-mm (12- to 36-in.) Diameter
ASTM A760	Standard Specification for Corrugated Steel Pipe, Metallic Coated for Sewers and Drains
ASTM A761	Standard Specification for Corrugated Steel Structural Plate, Zinc Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches
ASTM A762	Standard Specification for Corrugated Steel Pipe, Polymer Precoated for Sewers and Drains
ASTM A849	Standard Specification for Post-Applied Coatings, Pavings, and Linings for Corrugated Steel Sewer and Drainage Pipe
ASTM B745	Standard Specification for Corrugated Aluminum Pipe for Sewers and Drains
ASTM C14	Standard Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe
ASTM C76	Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
ASTM C94	Standard Specification for Ready Mixed Concrete
ASTM C144	Standard Specification for Aggregate for Masonry Mortar
ASTM C150	Standard Specification for Portland Cement

ASTM C443	Standard Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
ASTM C506	Standard Specification for Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
ASTM C507	Standard Specification for Reinforced Concrete Elliptical Culvert, Storm Drain and Sewer Pipe
ASTM C655	Standard Specification for Reinforced Concrete D-Load Culvert, Storm Drain and Sewer Pipe
ASTM C1433	Standard Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers
ASTM D1056	Standard Specification for Flexible Cellular Materials Sponge or Expanded Rubber
ASTM D3034	Standard Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings
ASTM D3212	Standard Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM D6690	Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
ASTM F477	Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F667	Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings
ASTM F714	Standard Specification for Polyethylene (PE) Plastic Pipe (DR PR) Based on Outside Diameter
ASTM F794	Standard Specification for Poly (Vinyl Chloride) (PVC) Profile Gravity Sewer Pipe & Fittings Based on Controlled Inside Diameter
ASTM F894	Standard Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe
ASTM F949	Standard Specification for Poly (Vinyl Chloride) (PVC) Corrugated Sewer Pipe With a Smooth Interior and Fittings
ASTM F2435	Standard Specification for Steel Reinforced Polyethylene (PE) Corrugated Pipe
ASTM F2562	Specification for Steel Reinforced Thermoplastic Ribbed Pipe and Fittings for Non-Pressure Drainage and Sewerage
ASTM F2736	Standard Specification for 6 to 30 in. (152 to 762 mm) Polypropylene (PP) Corrugated Single Wall Pipe and Double Wall Pipe
ASTM F2764	Standard Specification for 30 to 60 in. (750 to 1500 mm) Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications
ASTM F2881	Standard Specification for 12 to 60 in. (300 to 1500 mm) Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications

END ITEM D-701

Item D-751 Manholes, Catch Basins, Inlets and Inspection Holes

DESCRIPTION

751-1.1 This item shall consist of construction of manholes, catch basins, inlets, and inspection holes, in accordance with these specifications, at the specified locations and conforming to the lines, grades, and dimensions shown on the plans or required by the Engineer.

MATERIALS

751-2.1 Brick. Not applicable.

751-2.2 Mortar. Not applicable.

751-2.3 Concrete. Plain and reinforced concrete used in structures, connections of pipes with structures, and the support of structures or frames shall conform to the requirements of Item P-610.

751-2.4 Precast concrete pipe manhole rings. Precast concrete pipe manhole rings shall conform to the requirements of ASTM C478. Unless otherwise specified, the risers and offset cone sections shall have an inside diameter of not less than 36 inches (90 cm) nor more than 48 inches (120 cm). There shall be a gasket between individual sections and sections cemented together with mortar on the inside of the manhole.

751-2.5 Corrugated metal. Not applicable.

751-2.6 Frames, covers, and grates. The castings shall conform to one of the following requirements:

a. ASTM A48, Class 35B: Gray iron castings

b. ASTM A47: Malleable iron castings

c. ASTM A27: Steel castings

d. ASTM A283, Grade D: Structural steel for grates and frames

e. ASTM A536, Grade 65-45-12: Ductile iron castings

f. ASTM A897:Austempered ductile iron castings

All castings or structural steel units shall conform to the dimensions shown on the plans and shall be designed to support the loadings, aircraft gear configuration and/or direct loading, specified.

Each frame and cover or grate unit shall be provided with fastening members to prevent it from being dislodged by traffic but which will allow easy removal for access to the structure.

All castings shall be thoroughly cleaned. After fabrication, structural steel units shall be galvanized to meet the requirements of ASTM A123.

751-2.7 Steps. Not applicable.

751-2.8 Precast inlet structures. Manufactured in accordance with and conforming to ASTM C1433.

CONSTRUCTION METHODS

751-3.1 Unclassified excavation.

a. The Contractor shall excavate for structures and footings to the lines and grades or elevations, shown on the plans, or as staked by the Engineer. The excavation shall be of sufficient size to permit the placing of the full width and length of the structure or structure footings shown. The elevations of the bottoms of

footings, as shown on the plans, shall be considered as approximately only; and the Engineer may direct, in writing, changes in dimensions or elevations of footings necessary for a satisfactory foundation.

b. Boulders, logs, or any other objectionable material encountered in excavation shall be removed. All rock or other hard foundation material shall be cleaned of all loose material and cut to a firm surface either level, stepped, or serrated, as directed by the Engineer. All seams or crevices shall be cleaned out and grouted. All loose and disintegrated rock and thin strata shall be removed. Where concrete will rest on a surface other than rock, the bottom of the excavation shall not be disturb and excavation to final grade shall not be made until immediately before the concrete or reinforcing is placed.

c. The Contractor shall do all bracing, sheathing, or shoring necessary to implement and protect the excavation and the structure as required for safety or conformance to governing laws. The cost of bracing, sheathing, or shoring shall be included in the unit price bid for the structure.

d. All bracing, sheathing, or shoring involved in the construction of this item shall be removed by the Contractor after the completion of the structure. Removal shall not disturb or damage finished masonry. The cost of removal shall be included in the unit price bid for the structure.

e. After excavation is completed for each structure, the Contractor shall notify the Engineer. No concrete or reinforcing steel shall be placed until the Engineer has approved the depth of the excavation and the character of the foundation material.

751-3.2 Brick structures – Not Applicable.

751-3.3 Concrete structures. Concrete structures shall be built on prepared foundations, conforming to the dimensions and shape indicated on the plans. The construction shall conform to the requirements specified in Item P-610. Any reinforcement required shall be placed as indicated on the plans and shall be approved by the Engineer before the concrete is placed.

All invert channels shall be constructed and shaped accurately to be smooth, uniform, and cause minimum resistance to flowing water. The interior bottom shall be sloped to the outlet.

751-3.4 Precast concrete structures. Precast concrete structures shall conform to ASTM C478. Precast concrete structures shall be constructed on prepared or previously placed slab foundations conforming to the dimensions and locations shown on the plans. All precast concrete sections necessary to build a completed structure shall be furnished. The different sections shall fit together readily. Joints between precast concrete risers and tops shall be full-bedded in cement mortar and shall be smoothed to a uniform surface on both interior and exterior of the structure. The top of the upper precast concrete section shall be suitably formed and dimensioned to receive the metal frame and cover or grate, or other cap, as required. Provision shall be made for any connections for lateral pipe, including drops and leads that may be installed in the structure. The flow lines shall be smooth, uniform, and cause minimum resistance to flow. The metal steps that are embedded or built into the side walls shall be aligned and placed at vertical intervals of 12 inches (300 mm). When a metal ladder replaces the steps, it shall be securely fastened into position.

751-3.5 Corrugated metal structures. Not applicable.

751-3.6 Inlet and outlet pipes. Inlet and outlet pipes shall extend through the walls of the structures a sufficient distance beyond the outside surface to allow for connections. They shall be cut off flush with the wall on the inside surface of the structure, unless otherwise directed. For concrete or brick structures, mortar shall be placed around these pipes to form a tight, neat connection.

751-3.7 Placement and treatment of castings, frames, and fittings. All castings, frames, and fittings shall be placed in the positions indicated on the plans or as directed by the Engineer, and shall be set true to line and elevation. If frames or fittings are to be set in concrete or cement mortar, all anchors or bolts shall be in place before the concrete or mortar is placed. The unit shall not be disturbed until the mortar or concrete has set.

When frames or fittings are placed on previously constructed masonry, the bearing surface of the masonry shall be brought true to line and grade and shall present an even bearing surface so the entire face or back

of the unit will come in contact with the masonry. The unit shall be set in mortar beds and anchored to the masonry as indicated on the plans or as directed by the Engineer. All units shall set firm and secure.

After the frames or fittings have been set in final position, the concrete or mortar shall be allowed to harden for seven (7) days before the grates or covers are placed and fastened down.

751-3.8 Installation of steps. Not applicable.

751-3.9 Backfilling.

a. After a structure has been completed, the area around it shall be backfilled with approved material, in horizontal layers not to exceed 8 inches (200 mm) in loose depth, and compacted to the density required in Item P-152. Each layer shall be deposited evenly around the structure to approximately the same elevation. The top of the fill shall meet the elevation shown on the plans or as directed by the Engineer.

b. Backfill shall not be placed against any structure until approved by the Engineer. For concrete structures, approval shall not be given until the concrete has been in place seven (7) days, or until tests establish that the concrete has attained sufficient strength to withstand any pressure created by the backfill and placing methods.

c. Backfill shall not be measured for direct payment. Performance of this work shall be considered an obligation of the Contractor covered under the contract unit price for the structure involved.

When structures are located within the runway safety area, POFA, RPZ, etc., the elevation of the structures shall be set to meet the grading requirements of these areas. Structures shall not exceed 3 inches (75 mm) above the elevation the surrounding areas.

751-3.10 Cleaning and restoration of site. After the backfill is completed, the Contractor shall dispose of all surplus material, dirt, and rubbish from the site. Surplus dirt may be deposited in embankments, shoulders, or as approved by the Engineer. The Contractor shall restore all disturbed areas to their original condition. The Contractor shall remove all tools and equipment, leaving the entire site free, clear, and in good condition.

METHOD OF MEASUREMENT

751-4.1 Manholes, catch basins, inlets, and inspection holes shall be measured by the unit.

BASIS OF PAYMENT

751-5.1 The accepted quantities of manholes, catch basins, inlets, and inspection holes will be paid for at the contract unit price per each in place when completed. This price shall be full compensation for furnishing all materials and for all preparation, excavation, backfilling and placing of the materials; furnishing and installation of such specials and connections to pipes and other structures as may be required to complete the item as shown on the plans; and for all labor equipment, tools and incidentals necessary to complete the structure.

Payment will be made under:

Item D-751-5.1	Drop Inlets - per each
Item D-751-5.2	Curb Inlets – per each

MATERIAL REQUIREMENT

ASTM A27	Standard Specification for Steel Castings, Carbon, for General Application
ASTM A47	Standard Specification for Ferritic Malleable Iron Castings
ASTM A48	Standard Specification for Gray Iron Castings
ASTM A123	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
ASTM A283	Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates
ASTM A536	Standard Specification for Ductile Iron Castings
ASTM A897	Standard Specification for Austempered Ductile Iron Castings
ASTM C32	Standard Specification for Sewer and Manhole Brick (Made from Clay or Shale)
ASTM C144	Standard Specification for Aggregate for Masonry Mortar
ASTM C150	Standard Specification for Portland Cement
ASTM C478	Standard Specification for Precast Reinforced Concrete Manhole Sections
ASTM C1433	Standard Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers
AASHTO M36	Standard Specification for Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains

END OF ITEM D-751

Item L-108 Underground Power Cable for Airports

DESCRIPTION

108-1.1 This item shall consist of furnishing and installing power cables that are direct buried and furnishing and/or installing power cables within conduit or duct banks per these specifications at the locations shown on the plans. It includes excavation and backfill of trench for direct-buried cables only. Also included are the installation of counterpoise wires, ground wires, ground rods and connections, cable splicing, cable marking, cable testing, and all incidentals necessary to place the cable in operating condition as a completed unit to the satisfaction of the Engineer. This item shall not include the installation of duct banks or conduit, trenching and backfilling for duct banks or conduit, or furnishing or installation of cable for FAA owned/operated facilities. Requirements and payment for trenching and backfilling for the installation of underground conduit and duct banks is in Item L-110, Airport Underground Electrical Duct Banks and Conduits.

EQUIPMENT AND MATERIALS

108-2.1 General.

(a) Airport lighting equipment and materials covered by advisory circulars shall be approved under Advisory Circular 150/5345-53, Airport Lighting Equipment Certification Program, current version.

(b) All other equipment and materials covered by other referenced specifications shall be subject to acceptance through manufacturer's certification of compliance with the applicable specification, when requested by the Engineer.

(c) Manufacturer’s certifications shall not relieve the Contractor of the responsibility to provide materials per these specifications. Materials supplied and/or installed that do not comply with these specifications shall be removed (when directed by the Engineer) and replaced with materials that comply with these specifications at the Contractor’s cost.

(d) All materials and equipment used to construct this item shall be submitted to the Engineer for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Submittal data shall be presented in a clear, precise and thorough manner. Original catalog sheets are preferred. Photocopies are acceptable provided they are as good a quality as the original. Clearly and boldly mark each copy to identify products or models applicable to this project. Indicate all optional equipment and delete any non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment to which they apply on each submittal sheet. Markings shall be made bold and clear with arrows or circles (highlighting is not acceptable). The Contractor is solely responsible for delays in the project that may accrue directly or indirectly from late submissions or resubmissions of submittals.

(e) The data submitted shall be sufficient, in the opinion of the Engineer, to determine compliance with the plans and specifications. The Engineer reserves the right to reject any and all equipment, materials or procedures that do not meet the system design and the standards and codes specified in this document.

(f) All equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for at least twelve (12) months from the date of final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at the Owner's discretion, with no additional cost to the Owner. The Contractor shall be responsible to maintain an insulation resistance per AC 150/5340-26B, Maintenance Airport Visual Aid Facilities, Table 5-1 and paragraph 5.1.3.1 with isolation transformers connected in new circuits and new segments of existing circuits through the end of the contract warranty period.

108-2.2 Cable. Underground cable for airfield lighting facilities (runway and taxiway lights and signs) shall conform to the requirements of AC 150/5345-7, Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits latest edition. Conductors for use on 6.6 ampere primary airfield lighting series circuits shall be single conductor, seven strand, #8 American wire gauge AWG), L-824 Type C, 5,000 volts, nonshielded, with cross-linked polyethylene. Conductors for use on 20 ampere primary airfield lighting series circuits shall be single conductor, seven strand, #6 AWG, L-824 Type C, 5,000 volts, nonshielded, with cross-linked polyethylene insulation. L-824 conductors for use on the L-830 secondary of airfield lighting series circuits shall be sized in accordance with the manufacturer's recommendations. All other conductors shall comply with FAA and National Electric Code (NEC) requirements. Conductor sizes noted above shall not apply to leads furnished by manufacturers on airfield lighting transformers and fixtures.

Wire for electrical circuits up to 600 volts shall comply with Specification L-824 and/or Federal Specification J-C-30 and shall be type THWN-2, 75°C. Conductors for parallel (voltage) circuits shall be sized and installed in accordance with NFPA-70, National Electrical Code.

Unless noted otherwise, all 600-volt and less non-airfield lighting conductor sizes are based on a 75°C, THWN-2, 600 volt insulation, copper conductors, not more than three single insulated conductors, in raceway, in free air. The conduit/duct sizes are based on the use of THWN-2, 600 volt insulated conductors. The Contractor shall make the necessary increase in conduit/duct sizes for other types of wire insulation. In no case shall the conduit/duct size be reduced. The minimum power circuit wire size shall be #12 AWG.

Conductor sizes may have been adjusted due to voltage drop or other engineering considerations. Equipment provided by the Contractor shall be capable of accepting the quantity and sizes of conductors shown in the Contract Documents. All conductors, pigtails, cable step-down adapters, cable step-up adapters, terminal blocks and splicing materials necessary to complete the cable termination/splice shall be considered incidental to the respective pay items provided.

Cable type, size, number of conductors, strand and service voltage shall be as specified in the Contract Document.

108-2.3 Bare copper wire (counterpoise, bare copper wire ground and ground rods) – Wire for counterpoise or ground installations for airfield lighting systems shall be No. 6 AWG bare solid

copper wire for counterpoise and/or No. 6 AWG insulated stranded for ground wire per ASTM B3 and ASTM B8, and shall be bare copper wire per ASTM B33. See AC 150/5340-30 for additional details about counterpoise and ground wire types and installation. For voltage powered circuits, the equipment ground conductor shall be minimum No. 6 AWG, 600V rated, Type XHHW insulated, green color, stranded copper equipment ground conductor.

Ground rods shall be copper-clad steel. The ground rods shall be of the length and diameter specified on the plans, but in no case be less than 10 feet long and 3/4 inch in diameter.

108-2.4 Cable connections. In-line connections or splices of underground primary cables shall be of the type called for in the plans, and shall be one of the types listed below. No separate payment will be made for cable connections.

(a) The Cast Splice. A cast splice, employing a plastic mold and using epoxy resin equivalent to that manufactured by 3M™ Company, "Scotchcast" Kit No. 82-B, or as manufactured by Hysol® Corporation, "Hyseal Epoxy Splice" Kit No. E1135, or an approved equivalent, used for potting the splice is acceptable.

(b) The Field-attached Plug-in Splice. Figure 3 of AC 150/5345-26, Specification for L-823 Plug and Receptacle, Cable Connectors, employing connector kits, is acceptable for field attachment to single conductor cable. It shall be the Contractor's responsibility to determine the outside diameter of the cable to be spliced and to furnish appropriately sized connector kits and/or adapters and heat shrink tubing with integral sealant.

(c) The Factory-Molded Plug-in Splice. Specification for L-823 Connectors, Factory-Molded to Individual Conductors, is acceptable.

(d) The Taped or Heat Shrink Splice. Taped splices employing field-applied rubber, or synthetic rubber tape covered with plastic tape is acceptable. The rubber tape should meet the requirements of ASTM D4388 and the plastic tape should comply with Military Specification MIL-I-24391 or Commercial Item Description A-A-55809. Heat shrinkable tubing shall be heavy-wall, self-sealing tubing rated for the voltage of the wire being spliced and suitable for direct-buried installations. The tubing shall be factory coated with a thermoplastic adhesive-sealant that will adhere to the insulation of the wire being spliced forming a moisture- and dirt-proof seal. Additionally, heat shrinkable tubing for multi-conductor cables, shielded cables, and armored cables shall be factory kits that are designed for the application. Heat shrinkable tubing and tubing kits shall be manufactured by Tyco Electronics/ Raychem Corporation, Energy Division, or approved equivalent.

In all the above cases, connections of cable conductors shall be made using crimp connectors using a crimping tool designed to make a complete crimp before the tool can be removed. All L-823/L-824 splices and terminations shall be made per the manufacturer's recommendations and listings. All connections of counterpoise, grounding conductors and ground rods shall be made by the exothermic process or approved equivalent, except that a light base ground clamp connector shall be used for attachment to the light base. See AC 150/5340-30 for additional information about methods of attaching a ground to a galvanized light base. All exothermic connections shall be made per the manufacturer's recommendations and listings.

108-2.5 Splicer qualifications. Every airfield lighting cable splicer shall be qualified in making cable splices and terminations on cables rated above 5,000 volts AC. The Contractor shall submit to the Engineer proof of the qualifications of each proposed cable splicer for the airport cable type and voltage level to be worked on. Cable splicing/terminating personnel shall have a minimum of three (3) years continuous experience in terminating/splicing medium voltage cable.

108-2.6 Concrete. Concrete for cable markers shall be per Specification Item P-610, Structural Portland Cement Concrete.

108-2.7 Flowable backfill. Article deleted.

108-2.8 Cable identification tags. Cable identification tags shall be made from a non-corrosive material with the circuit identification stamped or etched onto the tag. The tags shall be of the type as detailed on the plans.

108-2.9 Tape. Electrical tapes shall be Scotch Electrical Tapes – number Scotch 88 (1-1/2" wide) and Scotch 130C linerless rubber splicing tape (2" wide), as manufactured by the Minnesota Mining and Manufacturing Company (3M^{TM}), or an approved equal.

108-2.10 Electrical coating. Electrical coating shall be Scotchkote as manufactured by 3M^{TM}, or am approved equivalent.

108-2.11 Existing circuits. Whenever the scope of work requires connection to an existing circuit, the circuit's insulation resistance shall be tested, in the presence of the Engineer. The test shall be performed per this item and prior to any activity that will affect the respective circuit. The Contractor shall record the results on forms acceptable to the Engineer. When the work affecting the circuit is complete, the circuit's insulation resistance shall be checked again, in the presence of the Engineer. The Contractor shall record the results on forms acceptable to the Engineer. The second reading shall be equal to or greater than the first reading or the Contractor shall make the necessary repairs to the circuit to bring the second reading above the first reading. All repair costs including a complete replacement of the L-823 connectors, L-830 transformers and L-824 cable, if necessary, shall be borne by the Contractor. All test results shall be submitted in the Operation and Maintenance (O&M) Manual.

108-2.12 Detectable warning tape. Plastic, detectable, American Wood Preservers Association (AWPA) Red (electrical power lines, cables, conduit and lighting cable) with continuous legend magnetic tape shall be polyethylene film with a metalized foil core and shall be 3-6 inches wide. Detectable tape is incidental to the respective bid item.

Construction Methods

108-3.1 GENERAL. The Contractor shall install the specified cable at the approximate locations indicated on the plans. Unless otherwise shown on the plans, all cable required to cross under pavements expected to carry aircraft loads shall be installed in concrete encased duct banks. Wherever possible, cable shall be run without splices, from connection to connection.

Cable connections between lights will be permitted only at the light locations for connecting the underground cable to the primary leads of the individual isolation transformers. The Contractor shall be responsible for providing cable in continuous lengths for home runs or other long cable runs without connections unless otherwise authorized in writing by the Engineer or shown on the plans.

In addition to connectors being installed at individual isolation transformers, L-823 cable connectors for maintenance and test points shall be installed at locations shown on the plans. Cable circuit identification markers shall be installed on both sides of the L-823 connectors installed or at least once in each access point where L-823 connectors are not installed.

Provide not less than 3 feet (1 m) of cable slack on each side of all connections, isolation transformers, light units, and at points where cable is connected to field equipment. Where provisions must be made for testing or for future above grade connections, provide enough slack to allow the cable to be extended at least one foot (30 cm) vertically above the top of the access structure. This requirement also applies where primary cable passes through empty light bases, junction boxes, and access structures to allow for future connections, or as designated by the Engineer.

Primary airfield lighting cables installed shall have cable circuit identification markers attached on both sides of each L-823 connector and on each airport lighting cable entering or leaving cable access points, such as manholes, hand holes, pull boxes, junction boxes, etc. Markers shall be of sufficient length for imprinting the cable circuit identification legend on one line, using letters not less than 1/4 inch (6 mm) in size. The cable circuit identification shall match the circuits noted on the construction plans.

108-3.2 Installation in duct banks or conduits. This item includes the installation of the cable in duct banks or conduit per the following paragraphs. The maximum number and voltage ratings of cables installed in each single duct or conduit, and the current-carrying capacity of each cable shall be per the latest version of the National Electric Code, or the code of the local agency or authority having jurisdiction.

The Contractor shall make no connections or splices of any kind in cables installed in conduits or duct banks.

Unless otherwise designated in the plans, where ducts are in tiers, use the lowest ducts to receive the cable first, with spare ducts left in the upper levels. Check duct routes prior to construction to obtain assurance that the shortest routes are selected and that any potential interference is avoided.

Duct banks or conduits shall be installed as a separate item per Item L-110, Airport Underground Electrical Duct Banks and Conduit. The Contractor shall run a mandrel through duct banks or conduit prior to installation of cable to ensure that the duct bank or conduit is open, continuous and clear of debris. The mandrel size shall be compatible with the conduit size. The Contractor shall swab out all conduits/ducts and clean light bases, manholes, etc., interiors immediately prior to pulling cable. Once cleaned and swabbed, the light bases and all accessible points of entry to

the duct/conduit system shall be kept closed except when installing cables. Cleaning of ducts, light bases, manholes, etc., is incidental to the pay item of the item being cleaned. All raceway systems left open, after initial cleaning, for any reason shall be re-cleaned at the Contractor's expense. The Contractor shall verify existing ducts proposed for use in this project as clear and open. The Contractor shall notify the Engineer of any blockage in the existing ducts.

The cable shall be installed in a manner that prevents harmful stretching of the conductor, damage to the insulation, or damage to the outer protective covering. The ends of all cables shall be sealed with moisture-seal tape providing moisture-tight mechanical protection with minimum bulk, or alternately, heat shrinkable tubing before pulling into the conduit and it shall be left sealed until connections are made. Where more than one cable is to be installed in a conduit, all cable shall be pulled in the conduit at the same time. The pulling of a cable through duct banks or conduits may be accomplished by hand winch or power winch with the use of cable grips or pulling eyes. Maximum pulling tensions shall not exceed the cable manufacturer's recommendations. A non-hardening cable-pulling lubricant recommended for the type of cable being installed shall be used where required.

The Contractor shall submit the recommended pulling tension values to the Engineer prior to any cable installation. If required by the Engineer, pulling tension values for cable pulls shall be monitored by a dynamometer in the presence of the Engineer. Cable pull tensions shall be recorded by the Contractor and reviewed by the Engineer. Cables exceeding the maximum allowable pulling tension values shall be removed and replaced by the Contractor at the Contractor's expense.

The manufacturer's minimum bend radius or NEC requirements (whichever is more restrictive) shall apply. Cable installation, handling and storage shall be per manufacturer's recommendations. During cold weather, particular attention shall be paid to the manufacturer's minimum installation temperature. Cable shall not be installed when the temperature is at or below the manufacturer's minimum installation temperature. At the Contractor's option, the Contractor may submit a plan, for review by the Engineer, for heated storage of the cable and maintenance of an acceptable cable temperature during installation when temperatures are below the manufacturer's minimum cable installation temperature.

Cable shall not be dragged across base can or manhole edges, pavement or earth. When cable must be coiled, lay cable out on a canvas tarp or use other appropriate means to prevent abrasion to the cable jacket.

108-3.3 Installation of direct-buried cable in trenches. Not Applicable.

108-3.4 Cable markers for direct-buried cable. Not Applicable.

108-3.5 Splicing. Connections of the type shown in the plans shall be made by experienced personnel regularly engaged in this type of work and shall be made as follows:

(a) Cast Splices. These shall be made by using crimp connectors for jointing conductors. Molds shall be assembled, and the compound shall be mixed and poured in accordance with manufacturer's instructions and to the satisfaction of the Engineer.

(b) Field-attached Plug-in Splices. These shall be assembled in accordance with manufacturer's instructions. These splices shall be made by plugging directly into mating connectors. In all cases the joint where the connectors come together shall be wrapped with at least one layer of rubber or synthetic rubber tape and one layer of plastic tape, one-half lapped, extending at least 1-1/2 inches on each side of the joint.

(c) Factory-Molded Plug-in Splices. These shall be made by plugging directly into mating connectors. In all cases, the joint where the connectors come together shall be wrapped with at least one layer of rubber or synthetic rubber tape and one layer of plastic tape, one-half lapped, extending at least 1-1/2 inches on each side of the joint.

(d) Taped or Heat-Shrink Splices. A taped splice shall be made in the following manner:

Bring the cables to their final position and cut so that the conductors will butt. Remove insulation and jacket allowing for bare conductor of proper length to fit compression sleeve connector with 1/4 inch of bare conductor on each side of the connector. Prior to splicing, the two ends of the cable insulation shall be penciled using a tool designed specifically for this purpose and for cable size and type. Do not use emery paper on splicing operation since it contains metallic particles. The copper conductors shall be thoroughly cleaned. Join the conductors by inserting them equidistant into the compression connection sleeve. Crimp conductors firmly in place with crimping tool that requires a complete crimp before tool can be removed. Test the crimped connection by pulling on the cable. Scrape the insulation to assure that the entire surface over which the tape will be applied (plus 3 inches on each end) is clean. After scraping wipe the entire area with a clean lint-free cloth. Do not use solvents.

Apply high-voltage rubber tape one-half lapped over bare conductor. This tape should be tensioned as recommended by the manufacturer. Voids in the connector area may be eliminated by highly elongating the tape, stretching it just short of its breaking point. Throughout the rest of the splice less tension should be used. Always attempt to exactly half-lap to produce a uniform buildup. Continue buildup to 1-1/2 times cable diameter over the body of the splice with ends tapered a distance of approximately 1 inch over the original jacket. Cover rubber tape with two layers of vinyl pressure-sensitive tape one-half lapped. Do not use glyptol or lacquer over vinyl tape as they react as solvents to the tape. No further cable covering or splice boxes are required.

Heat shrinkable tubing shall be installed following manufacturer’s instructions. Direct flame heating shall not be permitted unless recommended by the manufacturer. Cable surfaces within the limits of the heat-shrink application shall be clean and free of contaminates prior to application.

Surfaces of equipment or conductors being terminated or connected shall be prepared in accordance with industry standard practice and manufacturer’s recommendations. All surfaces to be connected shall be thoroughly cleaned to remove all dirt, grease, oxides, nonconductive films, or other foreign material. Paints and other nonconductive coatings shall be removed to expose base metal. Clean all surfaces at least 1/4 inch beyond all sides of the larger bonded area on all mating surfaces. Use a joint compound suitable for the materials used in the connection. Repair painted/coated surface to original condition after completing the connection.

108-3.6 Bare counterpoise wire installation for lightning protection and grounding –. If shown on the plans or included in the job specifications, bare solid #6 AWG copper counterpoise wire shall be installed for lightning protection of the underground cables**.**

The method of lightning protection for the airfield lighting circuit shall be Isolation.

Counterpoise wire shall be installed in the same trench for the entire length of buried cable, conduits and duct banks that are installed to contain airfield cables.

The counterpoise wire shall also be exothermically welded to ground rods installed as shown on the plans but not more than 500 feet apart around the entire circuit. The counterpoise system shall be continuous and terminate at the transformer vault or at the power source. It shall be securely attached to the vault or equipment external ground ring or other made electrode-grounding system. The connections shall be made as shown on the plans and in the specifications.

If shown on the plans or in the specifications, a separate equipment (safety) ground system shall be provided in addition to the counterpoise wire using one of the following methods:

a) A ground rod installed at and securely attached to each light fixture base, mounting stake, and to all metal surfaces at junction/access structures via #6 AWG wire.

b) For parallel voltage systems only, install a #6 AWG green insulated equipment ground conductor internal to the conduit system and securely attached it to each light fixture base internal grounding lug and to all metal surfaces at junction/access structures. Dedicated ground rods shall be installed and exothermically welded to the counterpoise wires at each end of a duct bank crossing under pavement.

Where an existing airfield lighting system is being extended or modified, the new counterpoise conductors shall be interconnected to existing counterpoise conductors at each intersection of the new and existing airfield lighting counterpoise systems.

108-3.7 Counterpoise installation above multiple conduits and duct banks - Counterpoise wires shall be installed above multiple conduits/duct banks for airfield lighting cables, with the intent being to provide a complete area of protection over the airfield lighting cables. When multiple conduits and/or duct banks for airfield cable are installed in the same trench, the number and location of counterpoise wires above the conduits shall be adequate to provide a complete cone of protection measured 22-1/2 degrees each side of vertical.

Where duct banks pass under pavement to be constructed in the project, the counterpoise shall be placed above the duct bank. Reference details on the construction plans.

108-3.8 Counterpoise installation at existing duct banks – When airfield lighting cables are indicated on the plans to be routed through existing duct banks, the new counterpoise wiring shall be terminated at ground rods at each end of the existing duct bank where the cables being protected enter and exit the duct bank. The new counterpoise conductor shall be bonded to the existing counterpoise system.

108-3.9 Exothermic bonding – Bonding of counterpoise wire shall be by the exothermic welding process. Only personnel experienced in and regularly engaged in this type of work shall make these connections.

Contractor shall demonstrate to the satisfaction of the Engineer, the welding kits, materials and procedures to be used for welded connections prior to any installations in the field. The installations shall comply with the manufacturer's recommendations and the following:

a. All slag shall be removed from welds.

b. Using an exothermic weld to bond the counterpoise to a lug on a galvanized light base is not recommended unless the base has been specially modified. Consult the manufacturer's installation directions for proper methods of bonding copper wire to the light base. See also AC 150/5340-30 for galvanized light base exception.

c. If called for in the plans, all buried copper and weld material at weld connections shall be thoroughly coated with 6 mm of 3MTM ScotchkoteTM, or approved equivalent, or coated with coal tar Bitumastic® material to prevent surface exposure to corrosive soil or moisture.

108-3.10 Testing. The Contractor shall furnish all necessary equipment and appliances for testing the airport electrical systems and underground cable circuits before and after installation. The Contractor shall perform all tests in the presence of the Engineer. The Contractor shall demonstrate the electrical characteristics to the satisfaction of the Engineer. All costs for testing are incidental to the respective item being tested. For phased projects, the tests must be completed by phase. The Contractor must maintain the test results throughout the entire project as well as during the warranty period that meet the following:

a. Earth resistance testing methods shall be submitted to the Engineer for approval. Earth resistance testing results shall be recorded on an approved form and testing shall be performed in the presence of the Engineer. All such testing shall be at the sole expense of the Contractor.

b. Should the counterpoise or ground grid conductors be damaged or suspected of being damaged by construction activities the Contractor shall test the conductors for continuity with a low resistance ohmmeter. The conductors shall be isolated such that no parallel path exists and tested for continuity. The Engineer shall approve of the test method selected. All such testing shall be at the sole expense of the Contractor.
After installation, the Contractor shall test and demonstrate to the satisfaction of the Engineer the following:

c. That all affected lighting power and control circuits (existing and new) are continuous and free from short circuits.

d. That all affected circuits (existing and new) are free from unspecified grounds.

e. That the insulation resistance to ground of all new non-grounded high voltage series circuits or cable segments is not less than 50 megohms.

f That the insulation resistance to ground of all new non-grounded conductors of new multiple circuits or circuit segments is not less than 100 megohms.

g That all affected circuits (existing and new) are properly connected in accordance with applicable wiring diagrams.

h. That all affected circuits (existing and new) are operable. Tests shall be conducted that include operating each control not less than 10 times and the continuous operation of each lighting and power circuit for not less than 1/2 hour.

Two copies of tabulated results of all cable tests performed shall be supplied by the Contractor to the Engineer. Where connecting new cable to existing cable, ground resistance tests shall be performed on the new cable prior to connection to the existing circuit.

There are no approved "repair" procedures for items that have failed testing other than complete replacement.

METHOD OF MEASUREMENT

108-4.1 Cable or counterpoise wire installed in trench, duct bank or conduit shall be measured by the number of linear feet (meters) installed and grounding connectors, and trench marking tape ready for operation, and accepted as satisfactory. Separate measurement shall be made for each cable or counterpoise wire installed in trench, duct bank or conduit. The measurement for this item shall include additional quantities required for slack.

BASIS OF PAYMENT

Payment will be made at the contract unit price for trenching, cable and bare counterpoise wire installed in trench (direct-buried), or cable and equipment ground installed in duct bank or conduit, in place by the Contractor and accepted by the Engineer. This price shall be full compensation for furnishing all materials and for all preparation and installation of these materials, and for all labor, equipment, tools, and incidentals, including ground rods and ground connectors and trench marking tape, necessary to complete this item.

Payment will be made under:

Item L-108-5.1	No. 6 AWG**,** 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	-	per liner foot
Item L-108-5.2	No. 8 AWG**,** 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	-	per liner foot

Item L-108-5.3	No. 10 AWG**,** 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	-	per liner foot
Item L-108-5.4	No. 6 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit	-	per linear foot
Item L-108-5.5	No. 8 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit	-	per linear foot
Item L-108-5.6	No. 10 AWG, Insulated, Stranded Equipment Ground, Installed in Duct Bank or Conduit	-	per linear foot

MATERIAL REQUIREMENTS

AC 150/5340-26	Maintenance of Airport Visual Aid Facilities
AC 150/5340-30	Design and Installation Details for Airport Visual Aids
AC 150/5345-7	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
AC 150/5345-26	Specification for L-823 Plug and Receptacle, Cable Connectors
AC 150/5345-53	Airport Lighting Equipment Certification Program
Commercial Item Description A-A-59544	Cable and Wire, Electrical (Power, Fixed Installation)
Commercial Item Description A-A-55809	Insulation Tape, Electrical, Pressure-Sensitive Adhesive, Plastic
ASTM B3	Standard Specification for Soft or Annealed Copper Wire
ASTM B8	Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
ASTM B33	Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes
ASTM D4388	Standard Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes
FED SPEC J-C-30	Cable and Wire, Electrical (Power, Fixed Installation)
MIL-I-24391	Insulation Tape, Electrical, Plastic, Pressure Sensitive

REFERENCE DOCUMENTS

NFPA-70	National Electrical Code (NEC)
NFPA-780	Standard for the Installation of Lightning Protection Systems
MIL-S-23586F	Performance Specification: Sealing Compound (with Accelerator), Silicone Rubber, Electrical
ANSI/IEEE STD 81	IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Ground System

END OF ITEM L-108

Item L-110 Airport Underground Electrical Duct Banks and Conduits

DESCRIPTION

110-1.1 This item shall consist of underground electrical conduits and duct banks (single or multiple conduits encased in concrete or buried in sand) installed per this specification at the locations and per the dimensions, designs, and details shown on the plans. This item shall include furnishing and installing of all underground electrical duct banks and individual and multiple underground conduits. It shall also include all turfing trenching, backfilling, removal, and restoration of any paved or turfed areas; concrete encasement, mandrelling, pulling lines, duct markers, plugging of conduits, and the testing of the installation as a completed system ready for installation of cables per the plans and specifications. This item shall also include furnishing and installing conduits and all incidentals for providing positive drainage of the system. Verification of existing ducts is incidental to the pay items provided in this specification.

EQUIPMENT AND MATERIALS

110-2.1 General.

(a) All equipment and materials covered by referenced specifications shall be subject to acceptance through manufacturer's certification of compliance with the applicable specification when requested by the Engineer.

(b) Manufacturer's certifications shall not relieve the Contractor of the responsibility to provide materials per these specifications and acceptable to the Engineer. Materials supplied and/or installed that do not comply with these specifications shall be removed, when directed by the Engineer and replaced with materials, that comply with these specifications, at the Contractor's cost.

(c) All materials and equipment used to construct this item shall be submitted to the Engineer for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Submittal data shall be presented in a clear, precise and thorough manner. Original catalog sheets are preferred. Photocopies are acceptable provided they are as good a quality as the original. Clearly and boldly mark each copy to identify products or models applicable to this project. Indicate all optional equipment and delete non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment for which they apply on each submittal sheet. Markings shall be made bold and clear with arrows or circles. Contractor is solely responsible for delays in project that accrue directly or indirectly from late submissions or resubmissions of submittals.

(d) The data submitted shall be sufficient, in the opinion of the Engineer, to determine compliance with the plans and specifications. The Engineer reserves the right to reject any and all equipment, materials or procedures which, in the Engineer's opinion, do not meet the system design and the standards and codes specified in this document.

(e) All equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for a period of at least 12 months from date of final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at the Owner's discretion, with no additional cost to the Owner.

110-2.2 Steel conduit. Rigid galvanized steel (RGS) conduit and fittings shall be hot dipped galvanized inside and out and conform to the requirements of Underwriters Laboratories Standards 6, 514B, and 1242. All RGS conduits or RGS elbows installed below grade, in concrete, permanently wet locations or other similar environments shall be painted with a 10 mil thick coat of asphaltum sealer or shall have a factory bonded polyvinyl chloride (PVC) cover. Any exposed galvanizing or steel shall be coated with 10 mil of asphaltum sealer. When using PVC coated RGS conduit, care shall be exercised not to damage the factory PVC coating. Damaged PVC coating shall be repaired per the manufacturer's written instructions.

110-2.3 Plastic conduit. Plastic conduit and fittings-shall conform to the following requirements:

- UL 514B covers W-C-1094-Conduit fittings all types, classes 1 thru 3 and 6 thru 10.
- UL 514C covers W-C-1094- all types, Class 5 junction box and cover in plastic (PVC).
- UL 651 covers W-C-1094-Rigid PVC Conduit, types I and II, Class 4.
- UL 651A covers W-C-1094-Rigid PVC Conduit and high density polyethylene (HDPE) Conduit type III and Class 4.

Underwriters Laboratories Standards UL-651 and Article 352 of the current National Electrical Code and shall be one of the following, as shown on the plans:

(a) **Type I** - Schedule 40 PVC suitable for underground use either direct-buried or encased in concrete.

(b) **Type II** - Schedule 40 PVC suitable for either above ground or underground use.

110-2.4 Split conduit. Split conduit shall be pre-manufactured for the intended purpose and shall be made of steel or plastic.

110-2.5 Conduit spacers. Conduit spacers shall be prefabricated interlocking units manufactured for the intended purpose. They shall be of double wall construction made of high grade, high density polyethylene complete with interlocking cap and base pads. They shall be designed to accept No. 4 reinforcing bars installed vertically.

110-2.6 Concrete. Concrete shall conform to Item P-610, Structural Portland Cement Concrete, Class B, using 3/8-inch maximum size coarse aggregate. Concrete shall develop minimum compressive strengths stated in Item P-610.

Where reinforced duct banks are specified, reinforcing steel shall conform to ASTM A615 Grade 60. Concrete and reinforcing steel are incidental to the respective pay item of which they are a component part.

110-2.7 Flowable backfill. Article deleted.

110-2.8 Detectable warning tape. Plastic, detectable, American Wood Preservers Association (AWPA) Red (electrical power lines, cables, conduit and lighting cable) with continuous legend magnetic tape shall be polyethylene film with a metalized foil core and shall be 3-6 inches wide. Detectable tape is incidental to the respective bid item.

CONSTRUCTION METHODS

110-3.1 General. The Contractor shall install underground duct banks and conduits at the approximate locations indicated on the plans. The Engineer shall indicate specific locations as the work progresses, if required to differ from the plans. Duct banks and conduits shall be of the size, material, and type indicated on the plans or specifications. Where no size is indicated in the plans or in the specifications, conduits shall be not less than 2 inches inside diameter or comply with the National Electrical Code based on cable to be installed, whichever is larger. All duct bank and conduit lines shall be laid so as to grade toward access points and duct or conduit ends for drainage. Grade shall be at least 3 inches per 100 feet. On runs where it is not practicable to maintain the grade, all one-way duct bank and conduit lines shall be graded from the center in both directions toward access points or conduit ends with a drain into the storm drainage system. Pockets or traps where moisture may accumulate shall be avoided. No duct bank or underground conduit shall be less than 18 inches below finished grade. Where under pavement, the top of the duct bank shall not be less than 18 inches below the subgrade.

The Contractor shall mandrel each individual conduit whether the conduit is direct-buried or part of a duct bank. An iron-shod mandrel not more than 1/4-inch smaller than the bore of the conduit shall be pushed or pulled through each conduit. The mandrel shall have a leather or rubber gasket slightly larger than the conduit hole.

The Contractor shall swab out all conduits/ducts and clean base can, manhole, pull boxes, etc., interiors IMMEDIATELY prior to pulling cable. Once cleaned and swabbed the light bases, manholes, pull boxes, etc. and all accessible points of entry to the duct/conduit system shall be kept closed except when installing cables. Cleaning of ducts, base cans, manholes, etc. is incidental to the pay item of the item being cleaned. All raceway systems left open, after initial cleaning, for any reason shall be re-cleaned at the Contractor's expense. All accessible points shall be kept closed when not installing cable. The Contractor shall verify existing ducts proposed for use in this project as clear and open. The Contractor shall notify the Engineer of any blockage in the existing ducts.

For pulling the permanent wiring, each individual conduit, whether the conduit is direct-buried or part of a duct bank, shall be provided with a 1/4-inch or larger, 200 pound test polypropylene pull rope. The ends shall be secured and sufficient length shall be left in access points to prevent it from slipping back into the conduit. Where spare ducts are installed, as indicated on the plans, open ends shall be plugged with removable tapered plugs, designed for this purpose.

All conduits shall be securely fastened in place during construction and shall be plugged to prevent contaminants from entering the conduits. Any conduit section having a defective joint shall not be installed. Ducts shall be supported and spaced apart using approved spacers at intervals not to exceed 5 feet.

Unless otherwise shown on the plans, concrete encased duct banks shall be used when crossing under pavements expected to carry aircraft loads, such as runways, taxiways, taxilanes, ramps and aprons. When under paved shoulders and other paved areas, conduit and duct banks shall be encased using flowable fill for protection.

All conduits within concrete encasement of the duct banks shall terminate with female ends for ease in current and future use. Install factory plugs in all unused ends. Do not cover the ends or plugs with concrete.

Where turf is well established and the sod can be removed, it shall be carefully stripped and properly stored.

Trenches for conduits and duct banks may be excavated manually or with mechanical trenching equipment unless in pavement, in which case they shall be excavated with mechanical trenching equipment. Walls of trenches shall be essentially vertical so that a minimum of shoulder surface is disturbed. Blades of graders shall not be used to excavate the trench.

When rock is encountered, the rock shall be removed to a depth of at least 3 inches (75 mm) below the required conduit or duct bank depth and it shall be replaced with bedding material of earth or sand containing no mineral aggregate particles that would be retained on a 1/4 inch (6 mm) sieve. The Contractor shall ascertain the type of soil or rock to be excavated before bidding. All such rock removal shall be performed and paid for under Item P-152.

Underground electrical warning (Caution) tape shall be installed in the trench above all underground duct banks and conduits in unpaved areas. Contractor shall submit a sample of the proposed warning tape for approval by the Engineer. If not shown on the plans, the warning tape shall be located 6 inches above the duct/conduit or the counterpoise wire if present.

Joints in plastic conduit shall be prepared in accordance with the manufacturer's recommendations for the particular type of conduit. Plastic conduit shall be prepared by application of a plastic cleaner and brushing a plastic solvent on the outside of the conduit ends and on the inside of the couplings. The conduit fitting shall then be slipped together with a quick one-quarter turn twist to set the joint tightly. Where more than one conduit is placed in a single trench, or in duct banks, joints in the conduit shall be staggered a minimum of 2 feet.

Changes in direction of runs exceeding 10 degrees, either vertical or horizontal, shall be accomplished using manufactured sweep bends.

Whether or not specifically indicated on the drawings, where the soil encountered at established duct bank grade is an unsuitable material, as determined by the Engineer, the unsuitable material shall be removed per Item P-152 and replaced with suitable material. Alternatively, additional duct bank supports that are adequate and stable shall be installed, as approved by the Engineer.

All excavation shall be unclassified and shall be considered incidental to the respective L-110 pay item of which it is a component part. Dewatering necessary for duct installation, erosion and turbidity

control, in accordance with Federal, State and Local requirements, is incidental to its respective pay item as a part of Item L-110. The cost of all excavation, regardless of type of material encountered, shall be included in the unit price bid for the L-110 item.

Unless otherwise specified, excavated materials that are deemed by the Engineer to be unsuitable for use in backfill or embankments shall be removed and disposed of off site.

Any excess excavation shall be filled with suitable material approved by the Engineer and compacted per Item P-152.

It is the Contractor's responsibility to locate existing utilities within the work area prior to excavation. Where existing active cables cross proposed installations, the Contractor shall insure that these cables are adequately protected. Where crossings are unavoidable, no splices will be allowed in the existing cables, except as specified on the plans. Installation of new cable where such crossings must occur shall proceed as follows:

(a) Existing cables shall be located manually. Unearthed cables shall be inspected to assure absolutely no damage has occurred.

(b) Trenching, etc. in cable areas shall then proceed with approval of the Engineer, with care taken to minimize possible damage or disruption of existing cable, including careful backfilling in area of cable.

In the event that any previously identified cable is damaged during the course of construction, the Contractor shall be responsible for the complete repair.

110-3.2 Duct banks. Unless otherwise shown in the plans, duct banks shall be installed so that the top of the concrete envelope is not less than 18 inches (0.5 m) below the bottom of the base or stabilized base course layers where installed under runways, taxiways, aprons, or other paved areas, and not less than 18 inches (0.5 m) below finished grade where installed in unpaved areas.

Unless otherwise shown on the plans, duct banks under paved areas shall extend at least 3 feet (1 m) beyond the edges of the pavement or 3 feet (1 m) beyond any under drains that may be installed alongside the paved area. Trenches for duct banks shall be opened the complete length before concrete is placed so that if any obstructions are encountered, provisions can be made to avoid them. Unless otherwise shown on the plans, all duct banks shall be placed on a layer of concrete not less than 3 inches (75 mm) thick prior to its initial set. The Contractor shall space the conduits not less than 3 inch (75 mm) apart (measured from outside wall to outside wall). All such multiple conduits shall be placed using conduit spacers applicable to the type of conduit. As the conduit laying progresses, concrete shall be placed around and on top of the conduits not less than 3 inches (75 mm) thick unless otherwise shown on the plans. All conduits shall terminate with female ends for ease of access in current and future use. Install factory plugs in all unused ends. Do not cover the ends or plugs with concrete.

Conduits forming the duct bank shall be installed using conduit spacers. No. 4 reinforcing bars shall be driven vertically into the soil a minimum of 6 inches (150 mm) to anchor the assembly into the earth prior to placing the concrete encasement. For this purpose, the spacers shall be fastened down with locking collars attached to the vertical bars. Spacers shall be installed at 5-foot

(1.5-m) intervals. Spacers shall be in the proper sizes and configurations to fit the conduits. Locking collars and spacers shall be submitted to the Engineer for review prior to use.

When specified, the Contractor shall reinforce the bottom side and top of encasements with steel reinforcing mesh or fabric or other approved metal reinforcement. When directed, the Contractor shall supply additional supports where the ground is soft and boggy, where ducts cross under roadways, or where shown on the plans. Under such conditions, the complete duct structure shall be supported on reinforced concrete footings, piers, or piles located at approximately 5-foot (1.5-m) intervals.

All pavement surfaces that are to have ducts installed therein shall be neatly saw cut to form a vertical face. All excavation shall be included in the contract with price for the duct.

Install a plastic, detectable, color as noted, 3 to 6 inches (75 to 150 mm) wide tape, 8 inches (200 mm) minimum below grade above all underground conduit or duct lines not installed under pavement. Utilize the 3-inch (75-mm) wide tape only for single conduit runs. Utilize the 6-inch (150-mm) wide tape for multiple conduits and duct banks. For duct banks equal to or greater than 24 inches (600 mm) in width, utilize more than one tape for sufficient coverage and identification of the duct bank as required.

When existing cables are to be placed in split duct, encased in concrete, the cable shall be carefully located and exposed by hand tools. Prior to being placed in duct, the Engineer shall be notified so that he may inspect the cable and determine that it is in good condition. Where required, split duct shall be installed as shown on the drawings or as required by the Engineer.

110-3.3 Conduits without concrete encasement. Trenches for single-conduit lines shall be not less than 6 inches (150 mm) nor more than 12 inches (300 mm) wide. The trench for 2 or more conduits installed at the same level shall be proportionately wider. Trench bottoms for conduits without concrete encasement shall be made to conform accurately to grade so as to provide uniform support for the conduit along its entire length.

Unless otherwise shown on the plans, a layer of fine earth material, at least 4 inches (100 mm) thick (loose measurement) shall be placed in the bottom of the trench as bedding for the conduit. The bedding material shall consist of soft dirt, sand or other fine fill, and it shall contain no particles that would be retained on a 1/4 inch (6 mm) sieve. The bedding material shall be tamped until firm.

Unless otherwise shown on plans, conduits shall be installed so that the tops of all conduits within the Airport's secured area where trespassing is prohibited are at least 18 inches (0.5 m) below the finished grade. Conduits outside the Airport's secured area shall be installed so that the tops of the conduits are at least 24 inches (60 cm) below the finished grade per National Electric Code (NEC), Table 300.5.

When two or more individual conduits intended to carry conductors of equivalent voltage insulation rating are installed in the same trench without concrete encasement, they shall be spaced not less than 3 inches (75 mm) apart (measured from outside wall to outside wall) in a horizontal direction and not less than 6 inches (150 mm) apart in a vertical direction. Where two or more individual conduits intended to carry conductors of differing voltage insulation rating are installed in the same trench without concrete encasement, they shall be placed not less than 3 inches (75

mm) apart (measured from outside wall to outside wall) in a horizontal direction and lot less than 6 inches (150 mm) apart in a vertical direction.

Trenches shall be opened the complete length between normal termination points before conduit is installed so that if any unforeseen obstructions are encountered, proper provisions can be made to avoid them.

110-3.4 Markers. Article deleted.

110-3.5 Backfilling for conduits. For conduits, 8 inches (200 mm) of sand, soft earth, or other fine fill (loose measurement) shall be placed around the conduits ducts and carefully tamped around and over them with hand tampers. The remaining trench shall then be backfilled and compacted per Item P-152 "Excavation and Embankment" except that material used for back fill shall be select material not larger than 4 inches (100 mm) in diameter.

Trenches shall not contain pools of water during back filling operations.

The trench shall be completely backfilled and tamped level with the adjacent surface; except that, where sod is to be placed over the trench, the backfilling shall be stopped at a depth equal to the thickness of the sod to be used, with proper allowance for settlement.
Any excess excavated material shall be removed and disposed of per instructions issued by the Engineer.

110-3.6 Backfilling for duct banks. After the concrete has cured, the remaining trench shall be backfilled and compacted per Item P-152 "Excavation and Embankment" except that the material used for backfill shall be select material not larger than 4 inches (100 mm) in diameter. In addition to the requirements of P-152, where duct banks are installed under pavement, one moisture/density test per lift shall be made for each 250 linear feet (76 m) of duct bank or one work period's construction, whichever is less.

Trenches shall not contain pools of water during backfilling operations.

The trench shall be completely backfilled and tamped level with the adjacent surface; except that, where sod is to be placed over the trench, the backfilling shall be stopped at a depth equal to the thickness of the sod to be used, with proper allowance for settlement.
Any excess excavated material shall be removed and disposed of per instructions issued by the Engineer.

110-3.7 Restoration. Where sod has been removed, it shall be replaced as soon as possible after the backfilling is completed. All areas disturbed by the work shall be restored to its original condition. The restoration shall include sodding, topsoiling, fertilizing, seeding, or mulching shown on the plans. The Contractor shall be held responsible for maintaining all disturbed surfaces and replacements until final acceptance.

All restoration shall be considered incidental to the respective L-110 pay item. Following restoration of all trenching near airport movement surfaces, the Contractor shall thoroughly

visually inspect the area for foreign object debris (FOD), and remove any such FOD that is found. This FOD inspection and removal shall be considered incidental to the pay item of which it is a component part.

METHOD OF MEASUREMENT

110-4.1 Underground conduits and duct banks shall be measured by the linear feet of conduits and duct banks installed, including encasement, locator tape, trenching and backfill with designated material, and for drain lines, the termination at the drainage structure, all measured in place, completed, and accepted. Separate measurement shall be made for the various types and sizes.

BASIS OF PAYMENT

110-5.1 Payment will be made at the contract unit price per linear foot for each type and size of conduit and duct bank completed and accepted, including trench and backfill with the designated material, and, for drain lines, the termination at the drainage structure. This price shall be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, equipment, tools, and incidentals necessary to complete this item per the provisions and intent of the plans and specifications.

Payment will be made under:

Item L-110-5.1	Concrete Encased Electrical Conduit, Type I, 1-way, 2-inch	-	per linear foot

Material Requirements

Advisory Circular (AC) 150/5340-30	Design and Installation Details for Airport Visual Aids
AC 150/5345-53	Airport Lighting Equipment Certification Program
ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3(2,700 kN-m/m^3))
ASTM D2167	Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method
ASTM D2922	Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)
NFPA-70	National Electrical Code (NEC)
Underwriters Laboratories Standard 6	Electrical Rigid Metal Conduit - Steel
Underwriters Laboratories Standard 514B	Conduit, Tubing, and Cable Fittings
Underwriters Laboratories Standard 514C	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
Underwriters Laboratories Standard 1242	Electrical Intermediate Metal Conduit Steel
Underwriters Laboratories Standard 651	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
Underwriters Laboratories Standard 651A	Type EB and A Rigid PVC Conduit and HDPE Conduit

END OF ITEM L-110

Item L-115 Electrical Manholes and Junction Structures

DESCRIPTION

115-1.1 This item shall consist of electrical manholes and junction structures (hand holes, pull boxes, junction cans, etc.) installed per this specification, at the indicated locations and conforming to the lines, grades and dimensions shown on the plans or as required by the Engineer. This item shall include the installation of each electrical manhole and/or junction structures with all associated excavation, backfilling, sheeting and bracing, concrete, reinforcing steel, ladders, appurtenances, testing, dewatering and restoration of surfaces to the satisfaction of the Engineer.

EQUIPMENT AND MATERIALS

115-2.1 General.

a. All equipment and materials covered by referenced specifications shall be subject to acceptance through manufacturer's certification of compliance with the applicable specification when so requested by the Engineer.

b. Manufacturer's certifications shall not relieve the Contractor of the responsibility to provide materials per these specifications. Materials supplied and/or installed that do not comply with these specifications shall be removed (when directed by the Engineer) and replaced with materials that comply with these specifications at the Contractor's cost.

c. All materials and equipment used to construct this item shall be submitted to the Engineer for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Submittal data shall be presented in a clear, precise and thorough manner. Original catalog sheets are preferred. Photocopies are acceptable provided they are as good a quality as the original. Clearly and boldly mark each copy to identify products or models applicable to this project. Indicate all optional equipment and delete any non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment to which they apply on each submittal sheet. Markings shall be made bold and clear with arrows or circles (highlighting is not acceptable). The Contractor is solely responsible for delays in the project that may accrue directly or indirectly from late submissions or resubmissions of submittals.

d. The data submitted shall be sufficient, in the opinion of the Engineer, to determine compliance with the plans and specifications. The Engineer reserves the right to reject any and all equipment, materials or procedures that do not meet the system design and the standards and codes, specified in this document.

e. All equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for a period of at least twelve (12) months from the date of final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at the Owner's discretion, with no additional cost to the Owner.

115-2.2 Concrete structures. Not applicable.

115-2.3 Junction boxes. Junction boxes shall be L-867 Class 1 (non-load bearing) or L-868 Class 1 (load bearing) airport light bases that are encased in concrete. The light bases shall have a galvanized steel blank cover, gasket, and stainless steel or coated steel hardware per FAA Engineering Brief (EB) #83. Covers shall be 3/8-inch (9-mm) thickness for L-867 and 3/4-inch (19-mm) thickness for L-868.

115-2.4 Mortar. The mortar shall be composed of one part of Portland cement and two parts of mortar sand, by volume. The Portland cement shall be per the requirements in ASTM C150, Type I. The sand shall be per the requirements in ASTM C144. Hydrated lime may be added to the mixture of sand and cement in an amount not to exceed 15% of the weight of cement used. The hydrated lime shall meet the requirements of ASTM C6. Water shall be potable, reasonably clean and free of oil, salt, acid, alkali, sugar, vegetable, or other substances injurious to the finished product.

115-2.5 Concrete. All concrete used in structures shall conform to the requirements of Item P-610, Structural Portland Cement Concrete.

115-2.6 Frames and covers. The frames shall conform to ASTM A27, Steel castings.

All castings specified shall withstand a maximum tire pressure of 150 psi and maximum load of 100,000 lbs.

All castings or structural steel units shall conform to the dimensions shown on the plans and shall be designed to support the loadings specified.

Each frame and cover unit shall be provided with fastening members to prevent it from being dislodged by traffic, but which will allow easy removal for access to the structure.

All castings shall be thoroughly cleaned. After fabrication, structural steel units shall be galvanized to meet the requirements of ASTM A123.

Each cover shall have the word “ELECTRIC” or other approved designation cast on it. Each frame and cover shall be as shown on the plans or approved equivalent. No cable notches are required.

Each manhole shall be provided with a “DANGER -- PERMIT-REQUIRED CONFINED SPACE, DO NOT ENTER” safety warning sign as detailed in the Contract Documents and in accordance with OSHA 1910.146 (c)(2).

115-2.7 Ladders. Not applicable.

115-2.8 Reinforcing steel. All reinforcing steel shall be deformed bars of new billet steel meeting the requirements of ASTM A615, Grade 60.

115-2.9 Bedding/special backfill. Bedding or special backfill shall be as shown on the plans.

115-2.10 Flowable backfill. Not applicable.

115-2.11 Cable trays. Cable trays shall be of galvanized steel, plastic, or aluminum. Cable trays shall be located as shown on the plans.

115-2.12 Plastic conduit. Plastic conduit shall comply with Item L-110, Airport Underground Electrical Duct Banks and Conduits.

115-2.13 Conduit terminators. Conduit terminators shall be pre-manufactured for the specific purpose and sized as required or as shown on the plans.

115-2.14 Pulling-in irons. Pulling-in irons shall be manufactured with 7/8 inch (22 mm) diameter hot-dipped galvanized steel or stress-relieved carbon steel roping designed for concrete applications (7 strand, 1/2 inch (12 mm) diameter with an ultimate strength of 270,000 psi (1862 MPa)). Where stress-relieved carbon steel roping is used, a rustproof sleeve shall be installed at

the hooking point and all exposed surfaces shall be encapsulated with a polyester coating to prevent corrosion.

115-2.15 Ground rods. Ground rods shall be one piece copper. The ground rods shall be of the length and diameter specified on the plans, but in no case shall they be less than 8 feet (2.4 m) long nor less than 5/8 inch (16 mm) in diameter.

CONSTRUCTION METHODS

115-3.1 Unclassified excavation. It is the Contractor's responsibility to locate existing utilities within the work area prior to excavation. Damage to utility lines, through lack of care in excavating, shall be repaired or replaced to the satisfaction of the Engineer without additional expense to the Owner.

The Contractor shall perform excavation for structures and structure footings to the lines and grades or elevations shown on the plans or as staked by the Engineer. The excavation shall be of sufficient size to permit the placing of the full width and length of the structure or structure footings shown.

All excavation shall be unclassified and shall be considered incidental to the respective L-115 pay item of which it is a component part. Dewatering necessary for L-115 structure installation, erosion and turbidity control, per Federal, state, and local requirements is incidental to its respective pay item as a part of Item L-115. The cost of all excavation regardless of type of material encountered, shall be included in the unit price bid for the L-115 Item.

Boulders, logs and all other objectionable material encountered in excavation shall be removed. All rock and other hard foundation material shall be cleaned of all loose material and cut to a firm surface either level, stepped or serrated, as directed by the Engineer. All seams, crevices, disintegrated rock and thin strata shall be removed. When concrete is to rest on a surface other than rock, special care shall be taken not to disturb the bottom of the excavation. Excavation to final grade shall not be made until just before the concrete or reinforcing is to be placed.

The Contractor shall provide all bracing, sheeting and shoring necessary to implement and protect the excavation and the structure as required for safety or conformance to governing laws. The cost of bracing, sheeting and shoring shall be included in the unit price bid for the structure.

Unless otherwise provided, bracing, sheeting and shoring involved in the construction of this item shall be removed by the Contractor after the completion of the structure. Removal shall be effected in a manner that will not disturb or mar finished masonry. The cost of removal shall be included in the unit price bid for the structure.

After each excavation is completed, the Contractor shall notify the Engineer. Structures shall be placed after the Engineer has approved the depth of the excavation and the suitability of the foundation material.

Prior to installation the Contractor shall provide a minimum of 6 inches (150 mm) of sand or a material approved by the Engineer as a suitable base to receive the structure. The base material shall be compacted and graded level and at proper elevation to receive the structure in proper relation to the conduit grade or ground cover requirements, as indicated on the plans.

115-3.2 Concrete structures. Concrete structures shall be built on prepared foundations conforming to the dimensions and form indicated on the plans. The concrete and construction methods shall conform to the requirements specified in Item P-610. Any reinforcement required shall be placed as indicated on the plans and shall be approved by the Engineer before the concrete is placed.

115-3.3 Precast unit installations. Precast units shall be installed plumb and true. Joints shall be made watertight by use of sealant at each tongue-and-groove joint and at roof of manhole. Excess sealant shall be removed and severe surface projections on exterior of neck shall be removed.

115-3.4 Placement and treatment of castings, frames and fittings. All castings, frames and fittings shall be placed in the positions indicated on the Plans or as directed by the Engineer and shall be set true to line and to correct elevation. If frames or fittings are to be set in concrete or cement mortar, all anchors or bolts shall be in place and position before the concrete or mortar is placed. The unit shall not be disturbed until the mortar or concrete has set.

Field connections shall be made with bolts, unless indicated otherwise. Welding will not be permitted unless shown otherwise on the approved shop drawings and written permission is granted by the casting manufacturer. Erection equipment shall be suitable and safe for the workman. Errors in shop fabrication or deformation resulting from handling and transportation that prevent the proper assembly and fitting of parts shall be reported immediately to the Engineer and approval of the method of correction shall be obtained. Approved corrections shall be made at Contractor's expense.

Anchor bolts and anchors shall be properly located and built into connection work. Bolts and anchors shall be preset by the use of templates or such other methods as may be required to locate the anchors and anchor bolts accurately.

Pulling-in irons shall be located opposite all conduit entrances into structures to provide a strong, convenient attachment for pulling-in blocks when installing cables. Pulling-in irons shall be set directly into the concrete walls of the structure.

115-3.5 Installation of ladders. Not applicable.

115-3.6 Removal of sheeting and bracing. In general, all sheeting and bracing used to support the sides of trenches or other open excavations shall be withdrawn as the trenches or other open excavations are being refilled. That portion of the sheeting extending below the top of a structure shall be withdrawn, unless otherwise directed, before more than 6 inches (150 mm) of material is placed above the top of the structure and before any bracing is removed. Voids left by the sheeting shall be carefully refilled with selected material and rammed tight with tools especially adapted for the purpose or otherwise as may be approved.

The Engineer may order the Contractor to delay the removal of sheeting and bracing if, in his judgment, the installed work has not attained the necessary strength to permit placing of backfill.

115-3.7 Backfilling. After a structure has been completed, the area around it shall be backfilled in horizontal layers not to exceed 6 inches (150 mm) in thickness measured after compaction to the density requirements in Item P-152. Each layer shall be deposited all around the structure to approximately the same elevation. The top of the fill shall meet the elevation shown on the plans or as directed by the Engineer.

Backfill shall not be placed against any structure until permission is given by the Engineer. In the case of concrete, such permission shall not be given until tests made by the laboratory under supervision of the Engineer establish that the concrete has attained sufficient strength to provide a factor of safety against damage or strain in withstanding any pressure created by the backfill or the methods used in placing it.

Where required, the Engineer may direct the Contractor to add, at his own expense, sufficient water during compaction to assure a complete consolidation of the backfill. The Contractor shall be responsible for all damage or injury done to conduits, duct banks, structures, property or persons due to improper placing or compacting of backfill.

115-3.8 Connection of duct banks. To relieve stress of joint between concrete-encased duct banks and structure walls, reinforcement rods shall be placed in the structure wall and shall be formed and tied into duct bank reinforcement at the time the duct bank is installed.

115-3.9 Grounding. A ground rod shall be installed in the floor of all concrete structures so that the top of rod extends 6 inches (150 mm) above the floor. The ground rod shall be installed within one foot (30 cm) of a corner of the concrete structure. Ground rods shall be installed prior to casting the bottom slab. Where the soil condition does not permit driving the ground rod into the earth without damage to the ground rod, the Contractor shall drill a 4 inch (100 mm) diameter hole into the earth to receive the ground rod. The hole around the ground rod shall be filled throughout its length, below slab, with Portland cement grout. Ground rods shall be installed in precast bottom slab of structures by drilling a hole through bottom slab and installing the ground rod. Bottom slab penetration shall be sealed watertight with Portland cement grout around the ground rod.

A grounding bus of 4/0 bare stranded copper shall be exothermically bonded to the ground rod and loop the concrete structure walls. The ground bus shall be a minimum of one foot (30 cm) above the floor of the structure and separate from other cables. No. 2 American wire gauge (AWG) bare copper pigtails shall bond the grounding bus to all cable trays and other metal hardware within the concrete structure. Connections to the grounding bus shall be exothermic. If an exothermic weld is not possible, connections to the grounding bus shall be made by using connectors approved for direct burial in soil or concrete per UL 467. Hardware connections may be mechanical, using a lug designed for that purpose.

115-3.10 Cleanup and repair. After erection of all galvanized items, damaged areas shall be repaired by applying a liquid cold-galvanizing compound per MIL-P-21035. Surfaces shall be prepared and compound applied per the manufacturer's recommendations.

Prior to acceptance, the entire structure shall be cleaned of all dirt and debris.

115-3.11 Restoration. After the backfill is completed, the Contractor shall dispose of all surplus material, dirt and rubbish from the site. The Contractor shall restore all disturbed areas equivalent to or better than their original condition. All sodding, grading and restoration shall be considered incidental to the respective L-115 pay item.

The Contractor shall grade around structures as required to provide positive drainage away from the structure.

Areas with special surface treatment, such as roads, sidewalks, or other paved areas shall have backfill compacted to match surrounding areas, and surfaces shall be repaired using materials comparable to original materials.

Following restoration of all trenching near airport movement surfaces, the Contractor shall thoroughly visually inspect the area for foreign object debris (FOD), and remove any such FOD that is found. This FOD inspection and removal shall be considered incidental to the pay item of which it is a component part.

After all work is completed, the Contractor shall remove all tools and other equipment, leaving the entire site free, clear and in good condition.

115-3.12 Inspection. Prior to final approval, the electrical structures shall be thoroughly inspected for conformance with the plans and this specification. Any indication of defects in materials or workmanship shall be further investigated and corrected. The earth resistance to ground of each ground rod shall not exceed 25 ohms. Each ground rod shall be tested using the fall-of-potential ground impedance test per American National Standards Institute / Institute of Electrical and Electronic Engineers (ANSI/IEEE) Standard 81. This test shall be performed prior to establishing connections to other ground electrodes.

115-3.13 Manhole elevation adjustments. Not applicsble.

115-3.14 Duct extension to existing ducts. Where existing concrete encased ducts are to be extended, the duct extension shall be concrete encased plastic conduit. The fittings to connect the ducts together shall be standard manufactured connectors designed and approved for the purpose. The duct extensions shall be installed according to the concrete encased duct detail and as shown on the plans.

METHOD OF MEASUREMENT

115-4.1 Electrical manholes and junction structures shall be measured by each unit completed in place and accepted. The following additional items are specifically included in each unit:

- All Required Excavation, Dewatering
- Sheeting and Bracing
- All Required Backfilling with On-Site Materials
- Restoration of All Surfaces and Finished Grading, Sodding
- All Required Connections
- Dewatering If Required
- Temporary Cables and Connections
- Ground Rod Testing

BASIS OF PAYMENT

115-5.1 The accepted quantity of electrical manholes and junction structures will be paid for at the Contract unit price per each, complete and in place. This price shall be full compensation for furnishing all materials and for all preparation, excavation, backfilling and placing of the materials, furnishing and installation of appurtenances and connections to duct banks and other structures as may be required to complete the item as shown on the plans and for all labor, equipment, tools and incidentals necessary to complete the structure.

Payment will be made under:

Item L-115-5.1	Electrical Junction Structure, L867, Class 1 Size D	- Per Each

MATERIAL REQUIREMENTS

ANSI/IEEE STD 81	IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Ground System
Advisory Circular (AC) 150/5345-7	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
AC 150/5345-26	Specification for L-823 Plug and Receptacle, Cable Connectors
AC 150/5345-42	Specification for Airport Light Bases, Transformer Housings, Junction Boxes, and Accessories
AC 150/5340-30	Design and Installation Details for Airport Visual Aids
AC 150/5345-53	Airport Lighting Equipment Certification Program
Commercial Item Description A-A 59544	Cable and Wire, Electrical (Power, Fixed Installation)
ASTM A27	Standard Specification for Steel Castings, Carbon, for General Application
ASTM A47	Standard Specification for Ferritic Malleable Iron Castings
ASTM A48	Standard Specification for Gray Iron Castings
ASTM A123	Standard Specification for Zinc (Hot Dip Galvanized) Coatings on Iron and Steel Products
ASTM A283	Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates
ASTM A536	Standard Specification for Ductile Iron Castings
ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
ASTM A897	Standard Specification for Austempered Ductile Iron Castings
ASTM C144	Standard Specification for Aggregate for Masonry Mortar
ASTM C150	Standard Specification for Portland Cement
ASTM C206	Standard Specification for Finishing Hydrated Lime
FAA EB #83	In Pavement Light Fixture Bolts
MIL-P-21035	Paint High Zinc Dust Content, Galvanizing Repair
NFPA-70	National Electrical Code (NEC)

END OF ITEM L-115

PART B

DIVISION VI

SUPPLEMENTAL TECHNICAL PROVISIONS

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ITEM ST-01 WATERING

Description

01-1.1 This item shall consist of furnishing and applying water required for compaction of embankments, subgrades, subbases, base courses, dust control, and other purposes in accordance with requirements of these specifications or as directed by the Engineer.

Water Truck Requirements

01-2.1 Use Requirements

1. Only one particular fire hydrant will be designated by the Department of Public Works for use by construction contractors.

2. Only approved fire hydrant wrenches may be used on any City of Madera hydrant.

3. Cap must be replaced on hydrant to protect threads between each load.

4. Open and close hydrant valve slowly to prevent water hammer damage to water mains and laterals.

5. An approved external air gap separating the supply line from the water tank must be permanently mounted on the water tank. An approved and certified back flow prevention device may be used if water tank does not contain an approved air gap.

6. Shut-off valve must be used and approved by the City if more than ten loads of water are to be utilized per day.

Construction Methods

01-3.1 Water, when required, shall be applied at locations, in amounts, and during hours, including nights, as directed by the Engineer. An adequate water supply shall be provided by the Contractor. The equipment used for watering shall be of ample capacity and of such design as to assure uniform application of water in the amounts directed by the Engineer.

The Contractor shall develop his own water supply for this project.

Water is available from the City fire hydrant. If water is obtained from the City, the Contractor must obtain and install a water meter and pay a monthly charge for the water. The deposit for the water meter is $1,030.

Method of Measurement and Basis of Payment

01-4.1 No separate payment shall be made for watering, but it shall be considered as a subsidiary obligation of the Contractor covered under the respective items of work.

Testing and Material Requirements

Test and Short Title	Material and Short Title
None	None

**** END OF SECTION ****

ITEM ST-02 STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

02-1.0 GENERAL. The Contractor is required to hire a Qualified SWPPP Developer (QSD) to develop and submit for approval a Storm Water Pollution Prevention Plan (SWPPP), which includes not only the attachments but an Erosion Control Plan. The objectives of the SWPPP as stated in Section A of the State Water Resources Control Board Order No. 2010-0014-DWQ, Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity are:

- To identify pollutant sources that may affect the quality of discharges of storm water associated with construction activity (storm water discharge) from the construction site, and

- To identify, construct, and implement storm water pollution prevention measures (control practices) to reduce pollutants in storm water discharges from the construction site both during and after construction is completed.

Therefore, the SWPPP to be developed by the Contractor's Qualified SWPPP Developer (QSD) shall identify the Best Management Practices (BMPs), which are required for the Contractor's operations to meet these objectives. BMPs are measures or practices used to reduce the amount of pollution entering surface water and the storm sewer collection system. BMPs may take the form of a process, activity, or physical structure. The SWPPP shall describe in detail the methods used to comply with those BMPs.

THE PLAN MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY CLEARING, GRADING OR EXCAVATION WORK. Acceptance of the plan does not preclude the Contractor from responsibility for taking the proper actions to prevent contaminates and/or sediments from leaving the construction site should any unforeseen circumstances occur. The Contractor shall take immediate action if directed by the Engineer, or if the Contractor observes contaminates and/or sediments entering any surface or groundwater drainage, to prevent further storm water from entering the drainage.

To aid the Contractor in the preparation of the SWPPP, the SWRCB Order No. 2010-0014-DWQ can be found at the State of California Water Resources Control Board, Storm Water Program website at http://www.swrcb.ca.gov/water_issues/programs/stormwater/constpermits.shtml. The SWPPP Template and Attachments are provided at the State of California Department of Transportation, Storm Water and Pollution Control website at http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm and should be followed by the Contractor during preparation of the SWPPP. Supporting information to be provided by the Owner for use by the Contractor during preparation of the SWPPP includes a topographic base map and a site map. Provision for Post-Construction Storm Water Management (Section A; Item 10) and Maintenance, Inspection and Repair (Section A; Item 11) shall be addressed by the Owner for incorporation into the Contractor's "approved" SWPPP.

Included in this item is the installation, monitoring, and implementation of all measures included in the approved SWPPP during construction of this project.

02-2.0 METHOD OF MEASUREMENT AND BASIS OF PAYMENT. The Contractor will be paid separately for the preparation of the SWPPP at the lump sum price bid for this work. The lump sum price bid shall include all materials, equipment, time, and other work required to complete the item. The lump sum price bid shall include all materials, equipment, time, and other work required to prepare the SWPPP and to implement all measures required in the approved SWPPP.

Payment will be made under:

SWPPP Submitted by Qualified SWPPP Developer (QSD) (ST-02)	-	Lump Sum

**** END OF SECTION ****

ITEM ST-03 MARKING AND LIGHTING OF CLOSED AIRPORT FACILITIES

Description

03-1.0 GENERAL. The construction of this project requires certain areas of the airfield to be closed to aircraft and operational traffic. Closure of these areas shall be in accordance with construction plans. Marking of closed airfield facilities and temporary facilities shall be in accordance with these specifications and F.A.A. Advisory Circular No. 150/5340-1L, "Standards for Airport Markings."

All existing runway and taxiway lights and all power, control, and communication cables shall be maintained in operation at all times for those facilities which are not closed under this contract.

03-2.0 CLOSED AIRPORT FACILITY MARKING. Any area that is closed for air or vehicular traffic shall be marked and/or lighted barricades placed across the pavement. These markings or barricades must be maintained in good condition at all times during the closure or they shall be repaired or replaced as directed by the Engineer.

Contractor shall furnish low-profile water filled barricades for airports conforming to Crowd Stopper Water Cade WC01-10 (10'high), or approved equal. Contractor shall place and maintain these barricades as shown on the Construction Layout Safety Plan. Contractor shall deliver them in good working order to the Owner and transfer the title to the Owner at the end of the project. No separate payment shall be made for these water filled barricades. The price of these items shall be included in the lump sum payment for Marking and Lighting of Closed Airport Facilities.

All closed markings or structures shall be securely fastened or weighted to prevent displacement by high winds or jet blast. Maximum height of structures used on the airfield pavements, except for flags, shall be fourteen inches.

When the Contractor is working in a closed area, he may move the markings during his operations, but they must be replaced at the end of the working day and when work is not being performed in the area.

Closure marking on structures shall be placed as directed by the Engineer.

In areas of closure, some sign panels must be covered to prevent misdirecting pilots. These sign panels shall be covered in such a way that the panel is not visible during day or night. Covers shall be secured to the sign to resist prop blast and weather conditions. All sign panel covers proposed for use shall be approved in the field by the Resident Engineer. The signs to be covered are shown on the plans.

03-3.0 HAZARD LIGHTING OF CONSTRUCTION AREAS. In accordance with the construction schedule, the Contractor shall outline probable access to construction areas and block access to work areas by use of suitable lighted barricades. On all airfield pavement, except for flags, no part of the barricade or light shall extend ten (10) inches above the paved surface. Maximum spacing between barricades shall be four (4) feet. Each barricade shall have two solar-powered lights with red lenses each controlled by photocells such that they are on at night and off during the day. Barricades

shall be painted alternate orange and white diagonal striping. These lighted barricades shall remain in place until such time as the new construction is open to traffic.

Barricades shall be securely fastened or weighted so that they will not be disturbed by high winds or jet blast.

Barricades shall be located as shown on the plans and directed by the Resident Engineer. All barricades shall be removed at the completion of construction.

03-4.0 TEMPORARY SECURITY FENCE. After removal of the existing fence the Contractor shall install a temporary fence along the top of the bank as shown on the plans in order to maintain airport security during construction. The location of the fencing shall be approved by the Engineer. The temporary fence shall be a minimum of 4 feet high and constructed to resist wind and weather conditions. The temporary fence shall be removed at the conclusion of the project and any temporary fence post holes filled. Contractor shall protect existing lawn and sprinkler system.

03-4.0 METHOD OF MEASUREMENT AND BASIS OF PAYMENT. Method of measurement and basis of payment for marking and lighting of closed Airport facilities shall be Lump Sum. This lump sum price shall be full compensation for furnishing all labor, materials, tools, and incidentals necessary to perform this item of work, including but not limited to placing, maintaining, and removing barricades, covering the airfield guidance signs at closed taxiways, and furnishing, installing, and removing the temporary fence.

Payments will be made for marking and lighting of closed airport facilities on a monthly basis with the monthly progress payments. The percentage of marking and lighting of closed airport facilities payment made will be equal to the percentage of total project, completed, as determined by the Engineer.

Payment will be made under:

Marking and Lighting of Closed Airport Facilities (ST-03)	-	Lump Sum

**** END OF SECTION ****

ITEM ST-04 DEMOLITION

Description

04-1.1 This item shall consist of demolition and removal of existing structures as shown on the plans or as required by the Engineer.

Construction Methods

04-2.1 DEMOLITION. There are structures existing on the airport that shall be removed in this contract as shown on the Demolition Plan. All structures removed in this contract, except the sprinklers and irrigation lines, shall be disposed of off Airport property. These structures include:

a. Tiedowns
b. PCC Base
c. Wood Bollards
d. Sprinklers and Irrigation Lines - Cap ends of Irrigation Lines, Deliver sprinklers to Airport
e. Taxiway Light Bases
f. Drop Inlet and 12" RCP
g. Size D Handhole
h. Duct and Cable
i. PCC Planter Boxes
j. 4' Chain Link Fence and Fence Posts
k. Wooden Utility Pole
l. Floodlight Pole, Foundation and Luminaires

All items, other than the sprinklers, shall be disposed of off-site by the Contractor.

Method of Measurement

04-3.1 The demolition of existing structures as shown on the plans or as ordered by the Engineer shall be paid on a lump sum basis.

Basis of Payment

04-4.1 Payment shall be made at the contract lump sum price for demolition of existing structures including tie downs, electrical features, drainage structures, fence and posts, etc., all as listed in Item 04-2.1, Demolition. This price shall be full compensation for removing existing structures, for disposing these materials off Airport property, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Demolition (ST-04)	-	Lump Sum

**** END OF SECTION ****

ITEM ST-05 GEOGRID

Description

05-1.1 Many at the subsoils under the existing pavement section are loose saturated silty fine sands. These materials are subject to instability under repeated loading. This item covers the treatment of these loose saturated soils in accordance with these specifications and in conformity to the dimensions and typical sections shown on the plans.

Materials

05-2.1 GEOGRID. Geogrid shall be TriAx TX140 geogrid as manufactured by Tensar International, or approved equal. The geogrid shall be placed on the bottom of the subexcavation made for unstable subgrades if required and shall be continuous over the length of the excavation. Each geogrid section shall overlap the adjoining section by a minimum of six inches (6").

Construction Methods

05-3.1 UNSTABLE SUBGRADE SOILS – If areas to be paved weave under equipment operations due to unstable subgrade soils the Contractor, under the direction of the Resident Engineer, shall proceed in the following manner:

- Excavate and stockpile existing subbase course materials.
- Excavate unstable material.
- Place geogrid at bottom of excavation and backfill excavation with Subbase Course (Item P-154) and compact to 90% relative density as determined by ASTM D 1557.
- Place specified pavement section.

Payment for backfilling with subbase course and compacting the materials will be made under Item P-154, Subbase Course.

Method of Measurement

05-4.1 Treatment of unstable subgrade materials, including excavation and hauling to the disposal area, will be paid per cubic yard under Unclassified Excavation in Item P-152.

05-4.2 The quantity of geogrid furnished and placed in the bottom of excavation made in areas where unsuitable subgrade soils are excavated shall be the number of square yards of geogrid furnished and placed, measured in its final position.

05-4.3 Measurement for all materials will not include the quantity of material excavated without authorization beyond normal slope lines, or the quantity of material used for purposes other than those directed.

Basis of Payment

05-5.1 For geogrid furnished and placed, payment shall be made at the contract unit price per square yard, measured in its final position. This price shall be full compensation for furnishing all labor, materials, tools, equipment, hauling, placing and incidentals necessary to complete the item.

Payment will be made under:

Geogrid, Furnished and Placed (ST-05)	-	per Square Yard

**** END OF SECTION ****

ITEM ST-06 REMOVE EXISTING MARKING

Description

06-1.1 This item shall consist of the removal of existing markings and stripes in accordance with these specifications and at locations shown on the plans or as directed by the Engineer.

Materials and Construction Methods

06-2.1 REMOVAL OF EXISTING MARKINGS. Existing markings shall be removed from areas shown on the plans by use of sandblasting or fine grinders that do not remove underlying asphaltic concrete pavement. After marking has been removed, areas of marking removal shall be sealed with a tack coat of SS1h emulsion conforming to requirements of Item P-603 of the FAA Technical Provisions.

Method of Measurement

06-3.1 The quantity of airfield marking removed shall be the number of square feet of marking removed and sealed with tack coat. Cost of furnishing and placing tack coat shall be included in the cost of removal.

Basis of Payment

06-4.1 Payment will be made at the contract unit price per square foot of existing marking removed. This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Remove Existing Airfield Marking (ST-06)	-	per Square Foot

**** END OF SECTION ****

ITEM ST-07 END CAP RCP

Description

07-1.1 This item shall consist of the end capping of existing reinforced concrete pipe as shown on the plans.

Materials and Construction Methods

07-2.1 TEMPORARY CAP END OF PIPE. Where called for on the plans, a temporary cap shall be placed at the end of a new section of pipe. This cap shall be designed by the Contractor and approved by the Engineer. The cap shall meet the following requirements:

- The material used shall be brick/mortar, or equal.
- The cap shall be strong enough to resist applied earth pressure.
- The cap shall be firmly held in place.
- The cap shall be capable of easy removal when the pipe is extended.
- The cap shall not allow the infiltration of any soil into the pipe

Method of Measurement

07-3.1 End caps will be measured and paid for per each cap installed.

Basis of Payment

07-4.l Payment will be made at the contract unit price for each end cap complete in place. This price shall be full compensation for furnishing all materials, and for all preparation, excavation, backfilling, and installation of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

End Cap Existing 12” RCP (ST-07)	-	per Each
End Cap Existing 24” RCP (ST-07)	-	per Each

**** END OF SECTION ****

ITEM ST-08 ASPHALTIC CONCRETE CURB

General

08-1.1. Asphaltic concrete curbs are to be constructed in the general aviation apron as shown on the plans. Curbs shall be constructed in accordance with this specification and at the direction of the Engineer.

Materials and Equipment

08-2.1 ASPHALTIC CONCRETE. Asphaltic concrete for the curbs shall conform to requirements for hot mix asphalt, Item P-401 of these specifications. Contractor may submit an alternate mix design for review of the Engineer. If alternate material is permitted, it will be used without adjustment of the contract unit price for this item; and when results are not satisfactory, any unsatisfactory portions shall be removed and repaired.

08-2.2 CURB-EXTRUSION MACHINE. Machine for placing asphaltic concrete sections shall be self-propelling; shall be equipped with a material hopper, a distributing screw, and adjustable forming devices; and shall be capable of placing and compacting the asphaltic concrete mixture to the lines, grades, and cross sections specified in a smooth, homogeneous section free of honeycomb.

08-2.3 BITUMINOUS TACK COAT. Tack coat shall comply with Item P-603 of these specifications.

Construction

08-3.1 Surfaces upon which the extruded asphaltic concrete curb is to be placed shall be thoroughly cleaned and given a light application of bituminous tack. Tack shall be applied sufficiently in advance of the placing operation to allow the tack material to cure before being covered.

Extruded section shall be constructed at the locations and to dimensions shown on the plans. Hand placing of the mixture will not be permitted except for areas not accessible to the machine. If hand placing is required, the mixture shall be thoroughly compacted in forms and screeded so the finished hand-placed sections conform in cross section and surface texture to machine-placed sections.

Basis of Payment

08-4.1 Payment will be made at the contract unit price per linear foot of extruded asphaltic concrete curb, placed and accepted by the Engineer. This price shall be full compensation for furnishing all materials, labor, tools, and incidentals necessary to complete this item. No separate payment will be made for hot mix asphalt or tack coat required for construction of the asphaltic concrete curbs.

Payment will be made under:

AC Curb (ST-08)	-	per Linear Foot

ITEM ST-09 LIGHTING AND ELECTRICAL WORK

Description

09-1.1 GENERAL. . Section ST-09 is an F.A.A. general specification covering lighting and electrical work. Only those portions of this section that pertain to the work in this project will govern.

The airfield electrical work to be done under this contract shall include the furnishing of all supervision, labor, materials, tools, equipment, and incidentals necessary to install, remove, and modify runway edge lights and taxiway edge lights, power supplies, cabling, electrical conduit, ducts, pull boxes, electrical vault equipment, and all other electrical work as shown on the drawings.

Work shall be in accordance with Federal Aviation Administration Advisory Circular No. 150/5370-10G, "Standards for Specifying Construction of Airports," as modified herein, other FAA Advisory Circulars and Specifications referred to herein, and other requirements as specified herein.

The electrical work shall comply with latest adopted editions, codes and standards applicable to this Contract as follows:

ANSI C2, National Electrical Safety Code
California Administrative Codes
California Electrical Code
City of Madera Standard Construction Specifications
FAA, Advisory Circulars
FAA, Orders
NEC, National Electrical Code (NFPA No. 70)
NECA, Standard for Installation
NEMA, Standard for Materials and Products
NFPA No. 101, Life Safety Code
UL, Underwriters' Laboratories
Occupational Safety and Health Act (OSHA)
Uniform Building Code (latest edition)
Local Codes, if applicable
Title 24, California Building Standards Code

All work shall be performed in strict accordance with these contract specifications, drawings, and any instructions that may be furnished by the Engineer during execution of the work to aid in interpretation of said drawings and specifications. Installation details, material and equipment specifications shall be in conformance with all applicable FAA advisory circulars. The Contractor shall furnish written proof of FAA approval on all equipment covered by FAA specifications as part of the submittal package. The Contractor shall keep these specifications on file at his airport construction office.

The specifications indicate desired materials as to type and quality. Wherever proprietary names are listed in these specifications, it shall be interpreted that the words "or approved equal" follow. "Or approved equal" shall be interpreted as meaning equal in every respect as determined by the Engineer.

Nothing in these plans and specifications is to be construed as permitting work not conforming with governing codes and regulations. Where two or more codes conflict, the most restrictive shall apply.

09-1.2 RELATED DOCUMENTS. The general provisions of the contract apply to the work specified in the items ST-09, L-108, L-110, L-115, and ST-10.

09-1.3 SUMMARY OF WORK. The work to be performed includes furnishing all labor, supplies, materials, equipment, transportation, and services required to augment, move, install, and complete electrical work as specified herein and as shown on the contract drawings.

09-1.3.1 The work includes, but is not limited to, the following:

(a) Maintain, in operation, all existing field electrical facilities and circuits required for active runways and taxiways while this improvement work is in progress, including protection of airport personnel, aircraft, and vehicles; furnish and maintain temporary circuits, and place augmented airport lighting into operation. Field lighting on active runways and taxiways shall be operable at all times.

(b) Furnish and install underground cable in accordance with specifications, at the locations shown on the plans. Test all circuit loops after installation of new cables.

(c) Furnish and install all raceways and duct lines at the locations indicated and in accordance with specifications, ready for installation of cables. Excavate and backfill trenches, and install cable marking tape.

(d) Protect the existing airport electrical vault and control building from any damage to building, equipment, and wiring while adding or improving the existing equipment in accordance with the plans. Additions to the electrical system may include transformers, panelboards and disconnect switches.

(e) Furnish and install L867 electrical pull boxes.

(f) Furnish and install 35-foot floodlight poles with double head luminaires.

(g) Ground all equipment, enclosures, and conduits installed under this contract as shown in the plans or as called for by the authority having jurisdiction.

(h) Other items required to complete foregoing. The omission of expressed reference to any parts necessary for or reasonable incidental to the complete installation shall not be construed as releasing the Contractor from furnishing such parts.

09-1.3.2 All items of general work required, such as excavation, cutting, patching, etc., shall be included in this Contract. The general work requirements are as follows:

(a) Closures of airport facilities for extended periods shall be by schedule established by Owner. All work shall be scheduled to minimize the impact and duration of shutdowns. The Contractor shall keep the Engineer informed of scheduled work which will affect existing equipment and operations. Minimum 3 working day advance notice shall be given to the Engineer and approval received for any disconnections or shutdowns. Any interruptions of power for active systems must be scheduled with and approved by the Engineer. Penalties for unscheduled interruptions of active systems shall be assessed at a rate of $100 per hour or fraction of an hour.

(b) The plans are diagrammatic. Locations of equipment to be installed are shown in the plans, but the actual installation will depend on field conditions and the nature of the equipment furnished. When conditions which will adversely affect the installation become apparent, the Engineer shall be notified in writing.

(c) The Contractor shall provide task lighting for night work. Task lighting shall be adequate to accurately see the task being performed. Refer to IES recommended illumination levels.

The Contractor shall at all times keep the construction areas free from accumulations of waste material and rubbish, and prior to completion of work shall remove any rubbish from and about the project, and all tools, reels, equipment, and materials not a part of the project. Upon completion of the construction, the Contractor shall leave the work and premises in a clean, neat, and safe condition satisfactory to the Engineer. The Contractor shall be responsible for the proper performance in all respects, in whole and in part, of the electrical equipment and for the mechanical installation of electrical equipment until acceptance of the entire work by the Engineer.

The Contractor shall protect all work, materials, and equipment from damage of any cause whatever, and shall provide adequate and proper storage facilities during progress of the work. He shall provide for safety and good condition of all work until final acceptance of the work by the Engineer, and replace all damaged or defective work, materials and equipment before requesting final acceptance.

All equipment shall be thoroughly cleaned of dirt, cement, bituminous materials, etc., and all corners scraped out and free of debris prior to installation.

09-1.4 PERMITS. The Contractor shall obtain a "No-Fee" electrical permit from the City of Madera, prior to the start of any work.

09-1.5 DRAWINGS. The drawings, which constitute an integral part of this Contract, shall serve as the working drawings. They indicate the extent and general layout of the lighting and signing system, arrangement of circuits, cables through ducts, connections to existing circuit cables, and other work. Field verification of scale dimensions is required to determine actual locations, distances, and levels. The Contractor shall research in the field the exact routing and identification of all circuits which extend through, serve or are affected by the area where work is to commence. No extra compensation will be allowed because of minor differences between work shown on the drawings and field conditions. The Contractor shall check the plans and specifications and, if any portion of

the work is found to be omitted, unclear, or in error, the Contractor shall immediately notify the Engineer. The directions of the Engineer shall be followed and the work completed accordingly.

(a) The design drawings may be utilized in the preparation of the shop or working drawings showing the permanent construction, as described in ST-09.

(b) The plans and specifications are complementary and what is called for in either one shall be as binding as if called for in both.

(c) Where a disagreement exists between the plans and specifications, the item or arrangements of better quality, greater quantity, or higher cost shall be included in the base bid.

(d) Any discrepancies between the drawings, Advisory Circulars, and field conditions must be resolved with the Engineer before proceeding. All agreements shall be verified in writing.

(e) "As-built" drawings covering equipment installed under previous contracts and which relate to this contract will be available for the Contractor. The airport cannot, however, guarantee the accuracy of these drawings. Those conditions which will affect the work under this contract should be verified prior to any design/fabrication/installation commitment.

(f) Detail dimensions shown on the plans are approximate and shall be field verified before construction. All differences shall be submitted to the Engineer in writing before construction begins.

09-1.6 RECORD DRAWINGS. This work shall be in compliance with the requirements of Division IV. The Contractor shall mark up a set of blueline prints to show the as-built conditions which differ from the contract plans. All changes shall be recorded by a skilled draftsman with at least three years experience. The Engineer will furnish a newly printed set of blueline drawings to be used for this purpose. As-built drawings will be checked monthly by the Engineer for accurateness and partial payments will be withheld until the record drawings are completely updated. The mark-up set shall be kept at the site, and any changes or deviations shall be recorded within one week. The Contractor shall furnish one as-built drawing set to the Engineer upon completion. This work shall be completed and accepted by the Engineer before approval of final payment.

09-1.7 MAINTENANCE AND OPERATING INSTRUCTIONS. The Contractor shall provide the Owner with complete instructions in the proper care and operation of the equipment installed under this contract. As part of the final inspection, and final acceptance will not be given until, the Owner's representative is made knowledgeable about the system.

The Contractor shall also collect and assemble into each of six hardcover books the installation details, instructions, parts list, source of local supply, schematics of actual equipment and operations, and directions supplied by the manufacturer with all equipment. A complete set of approved submittal documentation shall be included in the final Maintenance and Operating Instructions. If cut sheets are included showing various models and features of the equipment supplied, the specific model and features shall be clearly indicated to show only the options of the equipment that are actually provided and installed. Final acceptance of the work will be withheld until such data has been presented

complete to the Engineer for transmission to the Owner. The submittal checklist shall serve as an index and checklist for these books.

09-1.8 TRAINING. The Contractor shall provide the airport maintenance staff training on the operation and maintenance of the lights. This instruction shall be performed by manufacturer's technicians or personnel who are trained and qualified for this purpose. Training shall be coordinated with the availability of the Owner's personnel. Two weeks advance notice of training dates shall be given. Training shall be considered as part of the final inspection, and final acceptance will not be given until the training class has been given.

09-1.9 SAFETY RULES. The Electrical Safety Rules shall be observed and complied with in every detail, and any violation thereof shall be cause for immediate termination of the Contractor's authority to proceed with the work and recourse to his Surety for completion of the Project. The Electrical Safety Rules are as follows:

(a) The Contractor shall be responsible for conforming with the safety requirements of Appendix 1 to AC 150/5370-2F.

(b) Electrical circuits, operating over 300 volts, phase-to-ground shall be deenergized before work is accomplished thereon. Work on energized systems shall be accomplished by trained personnel, properly insulated, and done with extreme caution.

(c) Electrical circuits shall be considered deenergized only when one of the following conditions exist:

1. Switches connecting subject circuit to the energy supply are observed in the OPEN position, with an air break, and safety-tagged and padlocked in the OPEN position;

2. Electrically operated switches are visibly OPEN, blocked or racked in the OPEN position, and safety-tagged and padlocked OPEN;

3. Whenever the supply circuit break is not visible and clearly identified, the circuit shall be grounded using bolted clamps and connectors capable of withstanding bolted fault conditions. The ground connection shall be safety-tagged before work thereon, when the ground connection is not within sight of the work area.

4. Oil switches observed OPEN in a sight window, and tagged OPEN; or oil fuse cutouts with fuse carrier removed and tagged OPEN.

(d) Use of Red Safety Tags:

1. Safety tags shall be filled out and connected to any switch or equipment opened for protection of personnel working upon circuits connected thereto.

2. Safety tags shall be removed only by the employee who placed the tag, or by another employee designated in writing by the employee who placed the tag, to remove the tag.

Removal of a safety tag placed by an employee not available at the time of need to remove may be authorized by the Electrical Superintendent or his designated representative, only after carefully checking that the circuit is ready to be energized.

3. Equipment with a safety tag attached shall not be operated, and connections with a safety tag attached shall not be changed.

4. Insulated cables, operated at over 300 volts to ground, shall be handled when energized only with rubber gloves tested to 15,000 volts.

5. Insulated cables, which have been in operation, shall be cut only with a grounded cable shears, or shall be grounded by driving a grounded sharp tool through the shielding and the conductors before cutting.

6. All personnel working around energized electrical equipment operating at over 750 volts shall wear standard insulated, nonconducting hard hats, and shall wear no garments with metallic zipper fasteners.

7. Ladders used in any electrical work shall be of wood or fiberglass construction.

8. Contractors engaged on City of Madera projects or working upon City of Madera property, shall be governed by City of Madera rules. The Contractor shall designate a supervisor for all contract personnel and operations; said supervisor shall be on the job wherever contract operations are in progress.

09-1.11 CONSTRUCTION SEQUENCING. The Contractor shall notify the Engineer within 24 hours of completion of each task completed as described below:

(a) Disconnect and present all existing lights and light fixtures to the Airport Electrician for inspection. All lights identified by the Airport Electrician as requiring replacement or maintenance shall be exchanged with an appropriate light without a lamp.

(b) The Contractor shall reinstall all lights and fixtures and test them in the presence of the Engineer. Any and all lights which fail to light correctly shall have new lamps installed, or work as required to correct the problem.

Equipment and Materials

09-2.1 GENERAL

(a) Airport lighting equipment and materials covered by Federal Aviation Administration (FAA) specifications shall have the prior approval of the FAA, and be listed in Advisory Circular (AC) 150/5345-53, Airport Lighting Equipment Certification Program, current edition.

(b) All other equipment and materials covered by other referenced specifications shall be subject to acceptance through manufacturer's certification of compliance with the applicable specification when requested by the Engineer. Whenever Underwriters' Laboratories has a published standard applicable to the equipment furnished for this contract, the furnished equipment shall be listed by UL.

(c) Materials and equipment shall be as specified herein. When materials are used that are not specifically designated herein, they shall be in accordance with the best industry standards and practices for equipment of this type. All components and parts shall be suitable for operation under the environmental conditions specified herein. Metal parts shall be either inherently corrosion-resistant or shall be suitably protected to resist corrosion or oxidation during extended service life.

(d) The Contractor shall supply material for electrical and lighting systems such that all components of a given system are of the same manufacturer; for example, all transformers shall be from one manufacturer. All lights and series isolation transformers shall be from one manufacturer. This shall minimize the number and types of spare parts required.

09-2.2 HARDWARE CORROSION PROTECTION. In order to prevent deterioration due to corrosion, all bolts, nuts, studs, washers, pins, terminals, springs, hangers, and similar fastenings and fittings shall be of an approved corrosion-resisting material and/or be treated in an approved manner to render it adequately resistant to corrosion. All hardware such as cap screws, set screws, tap bolts, nuts, washers, etc., shall be of the type recommended by the manufacturer, or if a manufacturer's recommendation is not available, shall be stainless steel type 304, SAE grade 2, if they are used outdoors unless specified otherwise on the plans. Brass, bronze, or hot-dip galvanized ferrous hardware will be considered for indoor use. All bolts, screws, nuts, etc., shall be coated with a layer of "Neverseize" compound.

All ferrous metalwork shall be galvanized. If any galvanizing is damaged, the metal work shall be refinished by cleaning, treating with one coat of wash primer conforming to Federal (Military) Specification MIL-P-152388, and shall be given one shop coat of zinc-rich base paint (zinc dust paint) conforming to Federal Specification TT-P-641F Type II, immediately when the wash primer is dry.

09-2.3 PARTS RATING. All parts shall be of adequate rating for the application and shall not be operated beyond the parts manufacturer's recommended ratings.

09-2.4 ENVIRONMENTAL CONDITIONS. The equipment installed outdoors shall be designated for continuous outdoor operation under the following environmental conditions unless specified elsewhere:

(a) Temperature: Any ambient temperature from minus 20°F to plus 120°F.

(b) Altitude: 700 Mean Sea Level (MSL).

(c) Humidity: Up to 100 percent.

(d) Sand and Dust: Exposure to windblown sand and dust particles.

(e) Wind: Operation at wind velocities up to 100 miles per hour.

(f) Water: Components provided for underground installation, direct buried or installed in underground housing, shall be suitable for continuous operation, continuously or intermittently submerged in water.

09-2.5 SALVAGE. Except as otherwise specified or indicated on the drawings, all electrical materials and equipment to be salvaged or "stored" shall become the property of the Airport, and shall be moved by the Contractor to a site at the airport designated by the Engineer at no additional cost to the airport. All wastes such as removed asphalt, concrete, and excess dirt shall be disposed of as directed by the Engineer, including disposal on-site.

09-2.6 TESTING. All materials and finishes are subject to testing. Material inspection and testing and strength tests on the concrete will be performed by the Airport at no expense to the Contractor other than material used. The Contractor shall assist the Engineer in obtaining samples during the course of construction work. The testing of electrical equipment shall conform to the description of the individual specification sections.

It shall be the Contractor's responsibility to demonstrate to the satisfaction of the Engineer that the lighting circuits are continuous and free from short circuits and unspecified grounds, that circuits are properly connected and operable. The Contractor shall megger all existing cables that must be spliced into, and shall record and report all readings to the Engineer for cable megger readings both before modification and after. The Contractor shall provide all labor, equipment, and materials required for testing.

09-2.7 INSPECTION. Provide for electrical inspections by the authority having jurisdiction. No work shall be concealed or enclosed until after inspections. If work is concealed or enclosed without inspection and approval, the Contractor shall be responsible for all expense and work required to open and restore the concealed area in addition to all required modifications.

09-2.8 WARRANTY. The Contractor shall provide a written 1-year warranty guaranteeing all work installed under this contract. It shall cover all parts and labor against defective parts or workmanship necessary to repair or bring into proper operation any equipment including, but not limited to, fixtures, transformers, regulators, panelboards, transformers, circuit breakers, conduit system, pull boxes and light bases. The regulators shall be guaranteed under the terms of the manufacturer's and dealer's standard warranty for a period of two years and shall cover full parts and labor. The warranty shall start upon the acceptance of all work as accepted by the Engineer. Final payment will be withheld until receipt of the warranty by the Engineer.

Construction Methods

09-3.1 GENERAL. Installation shall be performed by experienced and skilled persons to obtain only the best workmanship. All equipment shall be set square and true with construction. The work shall be under constant supervision by the Contractor, or by an authorized and competent foreman

with five years experience, until completion. The Contractor shall be licensed in the state of California with at least five years experience in airfield electrical systems.

All existing and new pull boxes and other electrical equipment within the boundary limits of this Contract shall be adjusted and leveled to the final finish grade required on this project. The Contractor shall review plans and coordinate with civil grading.

09-3.2 INSTALLATION METHOD. The methods used for the installation of electrical system and equipment shall conform to the National Electric Contractors' Association (NECA) published "Standard of Installation" except where specifically specified or shown otherwise, and to the requirements of the National Electrical Code and its revisions as adopted by the local agency having jurisdiction.

All electrical materials, construction methods, and installation shall be in accordance with applicable Federal Aviation Administration's advisory circulars including amendments, the National Electrical Code, and the American National Standards Institute Standard C2.

Workmanship shall be consistent with the best commercial practices for installations of this type.

The workmanship shall be first class and in accordance with the highest standards for the electrical industry. The installations and adjustments shall be by competent electricians.

The responsibility for the correct and satisfactory installation and operation of all materials and equipment required herein shall rest with the Contractor. Before any equipment is ordered, a complete schedule of materials and detailed shop drawings covering all items of equipment and brochures of the materials proposed for installation shall be submitted for approval by the Engineer as described in Item ST-09.

09-3.3 SITE CONDITIONS. At least five working days prior to commencing construction operations in an area which may involve underground utility facilities, the Contractor shall notify the Engineer and the owners of each underground utility facility shown on the plans. The FAA will assist the Contractor in locating FAA cables.

The existence of any known buried wires, conduits, pull boxes, ducts, or other facilities is shown in a general way only. It will be the duty of the Contractor, with the help of airport personnel, to visit the site and make exact determination of the existence and location of any facilities prior to commencing any work. It is understood that the Contractor will be responsible for making the exact determination of the location and condition of such facilities. The number for Underground Service Alert (USA) is 811. The Contractor is required to call this number and Jason Rogers, Public Works/Airports, 559-661-5466, 48 hours in advance before performing excavation work within the project site. Any and all costs shall be paid for by the Contractor. The Contractor shall obtain from the Engineer copies of contract drawings from previous construction projects, and examine these drawings and verify at the site the location of all below grade utilities in the vicinity of the work performed under this contract.

All items damaged by the Contractor's workers or equipment shall be replaced immediately at the Contractor's expense.

09-3.4 INTERRUPTIONS. Interruptions of airfield lighting circuits may be necessary during construction. The Contractor shall provide a reliable shunt cable to provide temporary continuity of service to airfield facilities during construction where required. The Contractor shall not interrupt any circuit or perform any work that might endanger any circuit until approval of the Engineer has been received. Temporary cables shall be protected and identified as a hazard. All interruptions of or work on active circuits shall be approved by and coordinated with the Engineer. All active circuits that have been interrupted or worked upon shall be tested by the Contractor prior to leaving for the day.

The Contractor shall be responsible for installing, maintaining, protecting, and removing all required temporary jumper cables used to maintain power to electrical circuits.

For the permanent installation, all temporary connections and re-routing of circuits shall be replaced with new materials installed in accordance with the specifications and as shown on the plans.

The Contractor shall remove all circuit cables from their respective power sources in the vault before working on the cables in the field. All such cables shall be so marked at the point of disconnection to prevent accidental reconnection. This work is incidental to the electrical work and no separate payment will be made. See Item ST-09, SAFETY RULES.

09-3.5 CODES. The Contractor shall comply with all ordinances, laws, regulations, and codes applicable to the work involved and as referenced in these specifications. This does not relieve the Contractor from furnishing and installing work shown or specified which may be beyond the requirements of such ordinances, laws, regulations, and codes.

Method of Measurement and Basis of Payment

09-4.1 No separate measurement or payment shall be made for items in ST-09.

Material Requirements

AC 150/5345-53	Airport Lighting Equipment Certification Program
AC 150/5370-2	Operational Safety on Airports During Construction
AC 150/5370-10	Standards for Specifying Construction of Airports
MIL-P-152388	Wash Primer Specification
TT-P-641F	Type II, Base Paint, Zinc-Rich

**** END OF SECTION ****

ITEM ST-10 FLOODLIGHTING

10-1.0 GENERAL

1. **Scope of Work**

   (a) The work under this Item includes all labor, materials, and equipment required to furnish and install the electrical work shown on the drawings and herein specified, complete and ready for use.

   (b) Work included:
   A Complete and operational flood lighting as shown on the plans and as directed by the Engineer:

   (c) Floodlighting modifications:

   i. Disconnect and remove selected existing poles and floodlights.

   ii. Remove and dispose of the existing floodlight pole foundations where poles are removed.

   iii. Install new floodlight poles and floodlights at new locations, including foundations.

   iv. Install new replacement floodlights at locations indicated.

   v. Remove cable from existing distribution panel to existing floodlight poles, add new duct as required, flush and mandrel all existing ducts to be reused.

   vi. Furnish and install new pull boxes at intermediate locations, and adjacent to each pole location.

   vii. Furnish and install on new brackets and supports the new LED lighting and associated accessories and controls.

   viii. Furnish and install all new cabling required to power and control the relocated floodlights

   ix. Furnish and install new photocell and lighting contactor for photo control for each floodlight.

2. **Rules and Regulations** - All work and material shall be in full accordance with the latest rules and regulations of the State Fire Marshal, the Safety Orders of the Division of Industrial Safety, the National Electrical Code, California Electrical Code, Codes of the City of Madera, and other applicable laws or regulations. Nothing in these plans or specifications is to be construed to permit work not conforming to these codes. The requirements of the following publications and regulations shall also be complied with:

   (a) National Board of Fire Underwriters

(b) Applicable regulations of the local utility companies and W.U.E.S.S.C. Standards

(c) General Order No. 95, issued by the Public Utilities Commission of the State of California

(d) Occupational Safety and Health Act Standards

(e) Applicable Federal, State, County and City statutes

Whenever indicated material, workmanship, arrangement or construction is of higher quality or capacity than that required by the above rules and regulations, the drawings and/or specifications shall take precedence. Should there be any direct conflict between the rules and regulations and the drawings and/or specifications, the rules shall govern.

3. **Permits, Fees and Inspections** - The City will acquire all permits at no cost to the Contractor.

4. **Drawings and Arrangement** -

(a) Drawings indicate general arrangement and location of equipment and materials, and this arrangement shall be followed as nearly as possible. Should it be necessary to deviate from the arrangement indicated in order to meet conditions encountered during construction, such deviation shall be made without expense to the Owner.

(b) Where there appears to be discrepancy in drawings and/or specifications, the bidder shall secure written instructions from the Engineer.

5. **Accuracy of Data** - Data given herein and on drawings are as exact as could be secured, but complete accuracy is not guaranteed. Drawings and specifications are for the assistance and guidance of the Contractor, and exact locations, distances, levels, etc., will be governed by the site.

Contractor shall locate existing underground utilities in the area of construction prior to commencing any excavation. Damage to those existing facilities caused by the Contractor's operations shall be repaired immediately in an acceptable manner at the Contractor's expense.

6. **Manufacturer's Directions** - Contractor shall follow manufacturer's directions for installation and operation of all equipment and materials.

7. **As-Built Drawings** - The Contractor will be furnished with one set of white prints. The set shall be marked showing deviations from the work shown and the location of

major items of equipment and feeders, stationed and dimensioned from baselines or pavements. This set shall be kept current with construction and delivered to the Engineer in good condition at completion of the job.

8. **Work Included**:

   (a) Labor, apparatus, and electrical materials required to furnish and install the electrical systems, complete and including that which is reasonably inferred.

   (b) Carpentry, masonry, steel and concrete materials and labor required for construction of proper stands, bases and supports for electrical materials and equipment.

   (c) Excavating, pumping and backfilling required for work of this section.

   (d) Repair of damage to the premises resulting from activities in connection with installation of this section of the work, and during process of the work, removal of debris left by those engaged in this installation.

   (e) Cleanliness of fixtures, equipment and apparatus when the complete work is accepted by the Owner.

9. **Workmanship** - Workmanship shall be of the best quality and shall be performed by craftsmen to insure long and trouble-free service. The requirements of the Code and Safety Orders are minimum standards.

10. Warranties, guarantees, certificates, etc., furnished or available for equipment and materials under this division shall be properly filled out as of date of acceptance of work.

10-2.0 MATERIALS

10-2.1 General

1. The specifications indicate the desired materials as to type and quality. Wherever proprietary names are listed in these specifications, it shall be interpreted that the words "or approved equal" follow. The words "or approved equal" shall be interpreted as meaning equal in every respect as determined by the Engineer.

2. Within five (5) calendar days after the award of the contract, submit eight (8) bound copies of brochures containing complete information, shop drawings, and catalog cuts on all equipment, including that which is to be furnished as specified. The brochures shall be bound as complete volumes.

3. Approval of a substitution does not authorize any deviation from the size or function or the specified item unless specifically pointed out and approval requested in the letter of submittal.

4. Unless otherwise shown or specified, material shall be new, full weight, standard, the best quality of its kind and satisfactory to the Engineer. Materials shall be stored and protected as necessary and/or as required by the Engineer, and the Contractor shall be entirely responsible for damage or loss from any cause.

5. Electrical materials shall bear the label of, or be listed by, the Underwriters' Laboratories unless of a type for which label or listing service is not provided.

6. Materials and components shall conform to industry standards, including:

NEMA - National Electrical Manufacturers Association
ASTA - American Standards Association
ASTM - American Society for Testing Material
IPCEA - Insulated Power Cable Engineers' Association
CBM - Certified Ballast Manufacturers

10-2.2 Ducts and Conduits

1. Underground electrical duct shall conform to the requirements of Item L-110 of these specifications.

2. Rigid steel conduit shall conform to the requirements of Federal Specification WW-C-581. Where installed in contact with earth or fill material, conduit shall be wrapped with net four (4) layers of SCOTCHWRAP #50, Johns-Manville VID-10 or equal, or encased in three inches of concrete.

10-2.3 Pull Boxes - Precast concrete pull boxes shall conform to the requirements of Item L-115 of these specifications.

10-2.4 Conductors - All conductors (cable) shall conform to the requirements of Item L-108 of these specifications.

10-2.5 Floodlights

1. **Floodlight Poles** - Poles for flood lighting shall be 35 feet $\pm$ 1 foot high, galvanized round tapered steel, one piece, minimum 11 gauge, furnished with ornamental base cover, with mounting bar and brackets for one or two 400-W LED luminaires, Lithonia Catalog No. RTS-35'-8-5B-T20-DDB, or approved equal. These poles and fittings shall be similar to existing poles and fittings.

   Calculations shall be furnished by the manufacturer demonstrating the capability of the pole to withstand a wind of 100 mph with a gust factor of 30 percent without

excessive movement. Calculations shall be in accordance with AASHTO standard specifications for structural supports for highway signs, luminaires and traffic signals. Calculations must be signed by a registered engineer in the State of California.

Concrete and reinforcing steel shall conform to the requirements of Section P-610 of these specifications. Concrete shall be Class A.

2. **Luminaires** - LED Flood Light Fixture Assembly:
Fixture: Mfg: SpecGrade LED:
Catalog Number: AFL 400W NW 30X30 90-305V RAL (DDB DARK BRONZE) CTAX-2, APC-2, TL-GS(GLARE SHIELD) –SURGE ARRESTOR (MEAN WELL SPD-20-240P)-TL (YOKE MOUNT TRUNION 60 DEG ADJUSTABLE VERTICAL AIMING ANGLE); (60 to 90 degrees horizontal adjustable aiming angle) or approved equal.
Bullhorn: DUAL FIXTURE MOUNTING BRACKET
Lithonia SBS28-DDB
DDB = Dark Bronze

Minimum requirements shall be as follows:

(a) The floodlight shall consist of an aluminum housing The housing shall be copper free (less than 2/10 of 1% copper). With Powder Coated Finish.

(b) External hardware shall be stainless steel or aluminum.

(c) Ballast leads shall terminate in a gasketed splice chamber.

(d) The tempered glass lens shall be gasketed to the frame.

(e) The integral power supply shall operate a 400-watt LED lamp from a 208-240 V nominal power supply. The power factor shall be over 90%.

(h) All luminaires shall be provided with individual light engine top and side glare shields of such design that the lamp cannot be seen by aircraft on any runway.

(i) Luminaires shall be mounted as shown on the plans, with full vertical and horizontal adjustments permitted. Final adjustment of floodlights shall be made at night by the Contractor at the direction of the Engineer.

(j) Weatherproof sealing shall be accomplished with compression type, high temperature ozone resistant, non-absorbent silicone rubber gaskets at all critical points keeping interior dust and dirt free.

10-2.6 - Electrical Distribution Equipment - Power for the floodlight circuit shall be obtained from the existing electrical panel, provide circuit breakers as necessary to accommodate the floodlighting system.

10-2.7 - Control - The floodlights shall be individually controlled with a photoelectric cell.

10-3.0 CONSTRUCTION METHODS

10-3.1 General

Workmanship shall be of the best quality and shall be performed by craftsmen to insure long and trouble-free service. The requirements of the Code and Safety Orders are minimum standards.

Follow manufacturer's directions where these directions cover points not included on the drawings or in the specifications.

10-3.2 Wiring Methods

1. Each conductor at each termination shall be marked with the circuit number it is connected to. Each terminal shall be identified.

2. Connections to terminals shall be as follows:

   (a) Use lugs or socket-type terminals furnished with equipment.

   (b) Connections to binding post screw, stud or bolt, use as follows: For #8 and larger, T&B Lock-Tite, Burndy OA or equal lug of shape best suited.

3. **Grounding** - Permanently and effectively ground raceways, control equipment and utilization apparatus in accordance with the codes and rules and regulations.

4. **Tests** - Test all wiring and connections for continuity, insulation resistance and grounds before any fixtures or equipment are connected. Where such tests indicate faulty insulation or other defects, they shall be located, repaired and retested at the Contractor's expense.

10-4.0 METHOD OF MEASUREMENT

10-4.1 The method of measurement for furnishing and installing new floodlight poles and luminaires shall be at the contract unit price for each pole complete in place and accepted by the Engineer including new double head 400-watt LED luminaires and brackets, concrete, support bases, pull boxes, cabling from pull box to light fixtures, grounding, switching, photoelectric cells, etc. The method of measurement for the feeder cables provided from the vault to the base of the light poles will be made under Item L-108.

10-4.2 The method of measurement for replacing 1,000-watt halogen luminaires and brackets and furnishing and installing new double head 400-watt LED luminaires and brackets will be at the contract unit price for each double-head 400-watt LED luminaire furnished and installed on the existing poles including removing the existing luminaires and brackets and replacing them with the new luminaires and brackets.

All electrical distribution equipment required to complete the floodlighting system that is not paid for separately shall be measured and paid for under the unit price items for the floodlights.

10-5.0 BASIS OF PAYMENT

10-5.1 The accepted floodlight poles, luminaires and cable will be paid for at the contract unit price for each floodlight pole furnished and installed complete in place. This unit price shall be full compensation for all excavation, materials, labor, and all incidentals required to construct and complete each installation as shown on the plans and as directed by these specifications and the Engineer.

10-5.2 The accepted double head 400-watt LED luminaires will be paid for at the contract unit price for each double head luminaire furnished and installed complete. This unit price shall be full compensation for removing the existing luminaires and brackets and for furnishing and installing the luminaires and brackets and for all material, labors, and all incidentals required to remove and replace the existing luminaires and brackets as shown on the plans and as directed by these specifications and the Engineer.

Payment will be made under:

Furnish and Install 35-foot Floodlight Poles Complete with 400-watt Luminaires and Brackets (ST-10)	-	per Each
Remove and Replace Existing 1,000-watt Halogen Luminaires with New 400-watt LED Double Head Luminaires and Brackets (ST-10)	-	per Each

**** END OF SECTION ****

ITEM ST-11 TIE DOWN ANCHORS

Description

11-1.1 Work to be done under this section shall consist of constructing new tie down anchors in accordance with the details and as shown on the plans.

Materials

11-2.1 CONCRETE. Concrete shall conform to Section P-610, "Structural Portland Cement Concrete," Class A, of these specifications and shall develop a compressive strength of 3,000 psi at an age of 28 days.

11-2.2 ANCHOR ROD. Anchor rods shall be galvanized steel conforming to ASTM A 36 and shall be fabricated in the shape shown on the drawings.

11-2.3 CONNECTING LINK. Connecting link shall be of size to accommodate 3/8-inch rod and have minimum 3,000-pound ultimate strength. The link shall be 2 inches long measured on the inside of the link.

11-2.4 MARKING. A "tee" shall be painted at the nose-wheel position for each tie down as shown on the plans. Paint shall conform to requirements of Section P-620 of this specification.

Construction Methods

11-3.1 CONCRETE ANCHORS. Concrete anchors shall be constructed to dimensions shown on the plans. Placement shall be such that the tops of the anchor blocks are flush with adjacent pavement to create a minimum interference with the pavement "riding" surface.

11-3.2 EXCAVATION. Excavation for concrete anchors shall be such that adjoining asphaltic concrete or base materials are not disturbed in any way. The hole in the asphaltic concrete pavement shall be made with a coring machine, saw cut, or a spade. If spade is used, the cut shall be smooth and with vertical sides and in such a method that the remaining pavement is not damaged in any way.

The crushed aggregate base course and bituminous surface course shall conform to and be placed as specified in Section P-209 and P-401 of these specifications.

11-3.3 INSTALLATION. Concrete for the anchors shall be placed in accordance with requirements of Section P-610 and after hole has been thoroughly cleaned and the anchor has been set firmly in place. Steel anchors shall conform to ASTM A 36.

Method of Measurement and Basis of Payment

11-4.1 The method of measurement and basis of payment for individual tie down anchors complete shall be at the contract unit prices per each. These unit prices paid shall be full compensation for furnishing and installing all materials, for all labor, tools, equipment, and all other incidentals necessary to complete the items as specified.

Payment will be made under:

Tie Down Anchors (ST-11) - per Each

Material Requirements

ASTM A 36 Structural Steel

**** END OF SECTION ****

APPENDIX A
CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)

APPENDIX A

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-__

CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)

Prepared by:

Reinard W. Brandley
Consulting Airport Engineer
6125 King Road, Suite 201
Loomis, CA 95650
Telephone (916) 652-4725
Fax (916) 652-9029

March 4, 2016

F.1. Checklist for FAA CSPP Review

Airport Name: Madera Municipal Airport LOCID: MAE

Associate City: Madera, California

Project No. AIP 3-06-0144-__ - Reconstruction of General Aviation Apron Phase 2

F.1.1. AC 150/5370-2F

This checklist identifies the main elements and sub-elements established under Section 2, Chapter 2 of Advisory Circular 150/5370-2F. Project Managers (PM) are encouraged to use this checklist as an aid when reviewing a Sponsor's CSPP for conformance to the safety standards. Because the PM's approval/disapproval letter represents the official FAA action, a completed checklist is not a required record the PM must sign or archive in the grant file.

CSPP Element	Element Addressed?			Remarks
	Yes	No	N/A	
Coordination (Section 205)				
- Contractor Progress Meetings	X			
- Addresses necessary actions when changes are proposed to CSPP	X			
- Provisions for FAA ATO Coordination			X	No ATCT
Phasing (Section 206)				
- Phase Elements	X			
- Construction Safety Drawings	X			
Area and Operations Affected by Construction Activity (Section 207)				
- Identification of affected Areas	X			
- Mitigation Affects	X			
Navigation Aid Protection (Section 208)				
- Operational NAVAID Critical areas	X			
Contractor Access (Section 209)				
- Location of Stockpiles Construction Material	X			
- Vehicle and Pedestrian Operations	X			
Wildlife Management (Section 210)				
- Trash	X			
- Standing Water	X			
- Tall Grass			X	
- Fencing and Gates	X			
- Disruption of Wildlife Habitat	X			
Foreign Object Debris (Section 211)				
- FOD Control Measures	X			

CSPP Element	Element Addressed?			Remarks
	Yes	No	N/A	
Hazardous Material Management (Section 212)				
- Hazardous Material Controls	X			
Notification of Construction Activities (Section 213)				
- List of Responsible Representatives	X			
- NOTAMs	X			
- Emergency Notification Procedures	X			
- Coordination with ARFF	X			
- Notification to the FAA (Part 77, NAVAIDs….)	X			
Inspection Requirements (Section 214)				
- Daily Inspections	X			
- Final Inspections	X			
Underground Utilities (Section 215)				
- Procedures for protecting existing underground utilities	X			
Penalties (Section 216)				
- Penalty provisions for noncompliance with safety plan provisions	X			
Special Conditions (Section 217)				
- Unique conditions that may affect the operation of the airport	X			
Runway and Taxiway Visual Aids (Section 218)				
- General – Convey Clear Meaning; Secured from movement; Frangible	X			
- Markings	X			
- Lighting and Visual NAVAIDs	X			
- Signage	X			
Access Routes - Marking and Signage (Section 219)				
- Haul Road Demarcation	X			
Hazard Marking, Lighting, and Signage (Section 220)				
- Areas Impacted by Construction Operations	X			
- Equipment	X			
Protection Runway and Taxiway Areas, Zones and Surfaces (Section 221)				
- Runway Safety Area (RSA)	X			
- Runway Object Free Area (ROFA)	X			
- Taxiway Safety Area (TSA)	X			
- Taxiway Object Free Area (TOFA)	X			
- Obstacle Free Zone (OFZ)	X			
- Approach and Departure Surfaces	X			
Other Limitations on Construction (Section 222)				
- Prohibitions	X			
- Restrictions	X			

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-__

CONSTRUCTION SAFETY AND PHASING PLAN

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MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-__

CONSTRUCTION SAFETY AND PHASING PLAN

INTRODUCTION

The City of Madera, with Federal assistance from the Federal Aviation Administration under the Airport Improvement Program (AIP), proposes the reconstruction of the second phase of the General Aviation Apron at Madera Municipal Airport, Madera, California. The Sponsor will comply and will require all parties involved with this project to comply with the Federal Aviation Administration (F.A.A.) requirements regarding safety and phasing of construction projects on airports.

The purpose of this Construction Safety and Phasing Plan (CSPP) is to provide the contractor and project manager guidance for compliance with Federal Aviation Administration (FAA) rules and regulations, and associated requirements of the City of Madera, with regards to access onto air operations areas of Madera Municipal Airport, Madera, California, during the construction of the subject project.

This Construction Safety and Phasing Plan is based on the guidance of FAA Advisory Circular 150/5370-2F, "Operational Safety on Airports During Construction."

The Checklist for FAA CSPP Review is included in this CSPP. The contractor will address all items checked on this list in his/her Safety Plan Compliance Document (SPCD) submitted prior to beginning work on this project.

1. COORDINATION

(a) Progress Meetings

The Sponsor will conduct predesign meetings, prebid meetings, preconstruction conferences, and weekly construction meetings to introduce and maintain the subject of airport operational safety during construction, as follows:

- Predesign Conference: This meeting will be held as soon as sufficient preliminary design work as been completed and prior to preparation of the final plans and specifications. This meeting will be attended by the Design Engineer, Airport Management, Air Transport Association regional representatives, Airline Pilots Association representatives, fixed base operators, airline

representatives, FAA airport certification inspector, and the Program Manager of the FAA Airports District Office, as appropriate for the airport.

- Prebid Conference: This meeting will be held a minimum of 10 days prior to the bid opening date. The participants in this meeting will include prospective bidders, subcontractors, material suppliers, the Design Engineer, and Airport Management.

- Preconstruction Conference: This conference will be conducted as soon as practicable after the contract has been awarded and before issuance of notice to proceed. The participants will include the Design Engineer, Resident Engineer, Airport Management, testing laboratory representative, Contractor and subcontractors, Contractor's project superintendent, airport users, utility companies affected by the proposed construction, Federal, State or local agencies affected by the proposed construction, and the Program Manager of the FAA Airports District Office, as applicable.

- Weekly Meetings: Weekly progress meetings will be held at the airport. Operational safety will be a standing agenda item for discussion during weekly progress meetings throughout the construction of this project. The Contractor will present an updated progress report for the total work and a two-week look-ahead schedule. The participants will include the Resident Engineer, Airport Management, testing laboratory representative, Contractor's project superintendent, subcontractors, airport users, and the Program Manager of the FAA Airports District Office, as applicable.

(b) Scope or Schedule Changes – Changes in the scope or duration of the project may necessitate revisions to the CSPP. These revisions will be submitted for review and approval by the airport operator and the FAA.

(c) FAA ATO Coordination: There is no Air Traffic Control Tower at the Madera Municipal Airport.

2. PHASING

There are 40 working days allowed for completion of this project. The scope of work included in this project is as follows:

- Reconstruct General Aviation Apron Phase 2 (179,500 sq. ft.) including grading, drainage, paving, marking, lighting, and tie downs.

(a) Phasing Elements - The details of the phasing are shown on the Construction Safety and Phasing Plan Drawing, Exhibit A.

The Contractor will provide a detailed two-week look-ahead plan and schedule showing limits of proposed work and the locations of barricades.

(b) Construction Safety Drawing - The scope of the project and details of the phasing are shown on Exhibit A – Construction Safety and Phasing Plan. The details of barricades and barricade locations, haul routes, aircraft routes, and closed signage are shown on Exhibit B – Barricade Layout Plan.

3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

(a) Identification of Affected Areas. All areas affected by the construction activity in this project are shown on the Construction Safety and Phasing Plan, Exhibit A. Identified on this drawing are closures of air operations areas; Fire Department access routes; and access routes used by airport support vehicles. The underground utilities affected by this contract are shown on this drawing. Also shown are approach/departure surfaces affected by heights of construction equipment and other temporary objects. Construction areas, storage areas, and access routes are also depicted on this drawing.

(b) Mitigation of Effects. It is necessary to maintain the safety and efficiency of airport operations during construction operations. The establishment of the following procedures will be required:

(1) Temporary Changes to Runway and/or Taxiway Operations:

Runway 12-30, Taxiways C, D, E, and portion of Taxiway P not adjacent to the construction area will remain open at all times during the construction of this project. Taxiway B and the portion of Taxiway P adjacent to the construction area will be closed during the day when construction operations are occurring and open each evening after construction operations are complete for the day. A 5% taper shoulder backing will be maintained at the edge of Taxiway P whenever it is open for aircraft operations.

Contractor will be required to schedule his/her work on the apron to maximize the time that Taxiways B and P are open. Whenever construction equipment is working within 40 feet of the Taxiway P centerline, that facility will be closed to aircraft operations. All work that occurs within 40 feet of the Taxiway P centerline will be completed within one working day and the taxiway reopened at the end of the working day with the 5% taper shoulder backing in place.

Contractor will schedule all taxiway closures with the Resident Engineer 24 hours prior to beginning work in the Taxiway Safety Area (40 feet from taxiway centerline).

Construction will be limited to no closer than 250 feet from the runway centerline, unless the runway is closed or restricted to aircraft operations.

The runway safety area from the runway threshold will be maintained at 1,000 feet, unless the runway is closed or restricted to aircraft operations.

Aircraft operations on the airport must be maintained at all times in all areas except those that are specifically designated for closure. Any areas that are closed during the time work is performed will be marked with lighted barricades as shown on the Barricade Layout Plan and as directed by the Engineer.

During the construction of all work on this project, the Airport Owner will provide a qualified flagger to monitor Airport frequency 122.80 MHz and observe aircraft operations when Contractor is working near active runways and taxiways. The Contractor will maintain constant radio with the Airport-furnished flagger. Contractor will provide Owner's qualified flagger with means to communicate directly with the designated foreman.

(2) Modifications to Aircraft Operation:

During the periods that Taxiways P and B are closed, all aircraft will back taxi on the runway from Taxiway C to the east end of the runway. Aircraft from the tee hangar area will taxi on Taxiway P to Runway 30 and back taxi to Taxiway C to access the FBO and fuel island. For details of the aircraft routes see Exhibit B, Barricade Layout Plan.

(3) Detours for Fire Department and Other Airport Vehicles:

All Fire Department and other airport vehicles will have access to all areas on the airport during construction of this project. The detour route for these vehicles is shown in blue on Exhibit A.

(4) Maintenance of Essential Utilities and Underground Infrastructure:

Utilities and underground infrastructure that will be affected by this project will be the duct and cable lines, water line, fuel line, gas line, drain lines, and telephone line. It will be necessary during reconstruction of the apron to protect these utilities.

There will be no temporary utilities installed. If one of the existing utility lines is damaged, specifications require the Contractor to immediately repair it at his/her cost and to reimburse the Airport for damages due to shutdown. If these damaged utilities cannot be immediately repaired, the Airport will immediately issue required NOTAMs.

(5) Temporary Changes to Air Traffic Control Procedures.

Madera Municipal Airport does not have an Air Traffic Control Tower. Prior to any construction a NOTAM will be issued identifying areas of closure and times of closures. The Resident Engineer, who will be on site during construction, will be equipped with a two-way radio and will monitor Unicom frequency and notify aircraft operating in the area of apron closures, temporary taxiway closures or other safety related items.

4. NAVIGATION AND PROTECTION

There are navigational aids (NAVAIDs) existing on this airport. These NAVAIDs and corresponding critical areas are shown on the Construction Safety and Phasing Plan Drawing, Exhibit A. Such facilities must be fully protected during the entire construction time period.

(a) NAVAIDs Affected by Construction

No NAVAIDs, lights, or other electronic equipment at the airport will be affected by the proposed construction.

There are underground ducts and cable in the construction area to serve the lights, PAPI units and REILs. The location of these facilities will be identified by USA and the Contractor will be required to protect them.

(b) NAVAIDs Placed out of Service

No NAVAIDs, lights, or other electronic equipment at the airport will be placed out of service during the proposed construction.

(c) Protection of NAVAIDs Remaining in Service

The Contractor will be limited to no closer than 500 feet from the NAVAID facility as shown on the CSPP drawing. No work under this contract will be accomplished in the vicinity of these facilities.

(d) NOTAMs

When NAVAIDs are shut down during construction, experience an unexpected power outage, or are otherwise affected by construction activities, the Airport will issue a Notice to Airmen (NOTAM) as outlined in Article 9 of this CSPP.

(e) Protection of Underground Cable

There are underground ducts and cable in the construction area to serve the lights and NAVAIDs. The location of these facilities will be identified by USA before any work in their general vicinity is started as described in Article 11 of this CSPP.

Throughout the entire time of this construction these facilities will be protected by the Contractor from any possible damage, including crossing with unauthorized equipment and/or damaging during the excavation and pulverizing operations.

(f) Temporary NAVAIDs

No temporary NAVAIDs will be required during the construction of this project.

5. CONTRACTOR ACCESS

(a) Stockpiled Construction Materials

The Contractor will stockpile pulverized AC and AB materials removed from the existing apron within the construction limits. All stockpiles will be kept a minimum of 70 feet from the centerline of Taxiway P and be limited to a maximum height of 6 feet. All excess excavation will be stockpiled in the designated Excess Soil Stockpile as shown on the CSPP Drawing. Soil stockpile material will be delivered and stockpiled in the soil stockpile area as shown on the CSPP Drawing. The haul route to the soil stockpile area is shown on Exhibits A and B and any damage to the pavements caused by the Contractor will be repaired at the Contractor's expense.

Stockpiled materials will not be permitted within the Runway Safety Area (RSA) and Object Free Zone (OFZ). If it becomes necessary to stockpile materials in the Runway Object Free Area (ROFA), the Sponsor will submit a 7460-1 form to the FAA Airports District Office in Brisbane, California.

Stockpiles will be limited to a height of 6 feet, will be graded to drain, and will be clearly marked and lighted during hours of restricted visibility or darkness in accordance with Article 16 of this CSPP. The Contractor will determine and verify that stockpiled materials are stabilized and stored at the approved location shown on the CSPP drawing so as not to be a hazard to aircraft operations and to prevent attraction of wildlife (see Article 6) and foreign object damage (see Article 7).

Contractor will be responsible for maintaining the security, safety, and cleanliness of the Contractor's Storage and Stockpile Area at all times.

(b) Vehicle and Pedestrian Operations

It is critical that all pedestrians and vehicles are prevented from unauthorized entry to the Air Operations Area (AOA). The Construction Safety and Phasing Plan clearly delineates the designated access and haul routes for each phase, employee parking areas, and construction equipment parking areas. Contractor's personnel and equipment will be limited to the construction areas, parking areas, and haul routes shown on the CSPP Drawing.

Vehicle parking areas will not, impact NAVAID signals or penetrate FAR Part 77 imaginary surfaces.

Employee parking and construction vehicle parking will be restricted to the Contractor's Staging Area as shown on the CSPP drawings. Vehicle and construction traffic will be held off from all active paved areas and in no case allowed to cross the active runway unescorted. Access to the construction site will be off Airport Drive as shown on the CSPP drawing, Exhibit A. The haul route to the excess soil stockpile area is on airport service roads. All weight limits will be observed by the Contractor. Contractor will at all times stay a minimum of 40 feet from the Taxiway P centerline when hauling materials to the stockpile area. All haul roads will be kept broom clean. Haul routes are indicated in red on the CSPP drawing, Exhibit A and on the Barricade Layout Plan, Exhibit B. Contractor will maintain haul road on paved surfaces clear of debris at all times.

Contractor's vehicles and equipment will include a flag on a staff attached to the vehicle so that the flag will be readily visible. The flag will be at least a 3-foot by 3-foot square having a checkered pattern of international orange and white squares at least 1 foot on each side. During periods of low visibility Contractor vehicles and equipment will be equipped with a yellow flashing light mounted on the uppermost part of the vehicle structure.

All vehicle/equipment operators driving on the airport must have an appropriate level of knowledge of airport rules and regulations. The Contractor will be required to submit a list of authorized vehicle operators to the Airport. The vehicle operators will be required to maintain a current drivers' license. Driver training will be limited to designating areas to be avoided and areas where free access will be available. No vehicle will be allowed to cross an active pavement without an escort.

All vehicle operators will be trained on airport procedures, safety, work area limits, security, and communications. All personnel with movement area driving privileges will be trained on pedestrian and ground vehicle procedures, including consequences of noncompliance, prior to moving on foot, or operating a ground vehicle, in movement areas or safety areas.

(c) Radio Communications

Vehicular traffic located in or crossing an active movement area will have a working two-way radio tuned to Unicom frequency 122.8 MHz or be escorted by an Airport-Furnished flag person. The driver, through personal observation, will confirm that no aircraft is approaching the vehicle position. Construction personnel may operate in a movement area without two-way radio communication provided a NOTAM is issued closing the area and that the area is properly marked to prevent incursions and the Airport-furnished flagger is present to control operations. Two-way radio communications are required on Unicom frequency 122.8 MHz. Continuous monitoring is required. The Airport's flagger will be the project

engineer's specialist. These flaggers will be trained on all movement area procedures.

(d) Airport Security

There is a security fence and gates around the property of this airport. The gate used by the Contractor will be the gate located as shown on Exhibits A and B and will be kept locked except for entrance of approved personnel and equipment or will be manned by Airport-furnished trained flaggers to control entrance to the airport. The security fence, designated Contractor gate, and secure areas on the airport are shown on the CSPP Drawing.

In accordance with the requirements of the Federal Aviation Administration as set forth in FAR 107.11(F), the Contractor will take all steps necessary to assure Owner that the backgrounds of all employees have been checked to the extent necessary to assure that permitting them unescorted access to any area on the airport controlled for security reasons is appropriate. This background check, to the extent allowable by law, will include at a minimum references and prior employment histories to the extent necessary to verify representations made by the employee relating to employment in the preceding 5 years.

6. WILDLIFE MANAGEMENT

The airport is fenced with 6-foot chain link perimeter fence and security gates. All gates will remain closed at all times except when vehicles are entering or exiting them or they are guarded by an Airport-furnished flagger as stated in Article 5 of this CSPP.

Care will be taken to prevent inadvertent incidents of wildlife hazards by ensuring access gates are properly secured to prevent wildlife entry.

The Contractor will carefully control and continuously remove waste or loose materials that might attract wildlife and be aware of and avoid construction activities that might attract wildlife such as:

- Trash – Food scraps will be collected from construction personnel activity.
- Standing water
- Disruption of existing wildlife habitat.
- Open trenches, excavation, and stockpile materials.

Should the Contractor encounter wildlife on the airport, he/she will immediately notify Airport Management.

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

The Contractor will not be allowed to leave or place foreign object debris (FOD) on or near active aircraft movement areas and will be required to control and monitor FOD. Materials tracked

onto these areas will be continuously removed during the construction project by broom sweeping. Ground vehicle tires will be inspected daily to ensure they are not tracking FOD onto the airfield pavements. Daily inspections of these aircraft movement areas will be made by the Resident Engineer as discussed in Article 10 of this CSPP.

8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

The Contractor will be required to manage and contain any hazardous materials (HAZMAT) on the airport. Contractors operating construction vehicles and equipment on the airport must be prepared to expeditiously contain and clean up spills resulting from fuel or hydraulic fluid leaks. The Contractor will refrain from topping off vehicle fuel tanks and have sorbent materials available in the fueling area for when small spills occur. The fueling operation will be outlined in the Contractor's Storm Water Pollution Prevention Plan (SWPPP), including Best Management Practices (BMPs).

It is not anticipated that there will be any hazardous materials used or encountered during the construction of this project. The Contractor will be required to keep Material Safety Data Sheets (MSDS) available for inspection for all materials delivered to the airport.

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

(a) List of Responsible Representatives. It will be necessary to keep the following people totally informed of the operations that the contractor proposes to perform at Madera Municipal Airport.

Sponsor:

Dave Randall, Public Works Director .....(559) 661-5466
Jason Rogers, Public Works/Airports.....(559) 661-5466
Francisco Nunez, Assistant Engineer, Project Manager.....(559) 661-5418

F.A.A.

Barry Franklin, Program Manager.....(650) 827-7614

Resident Engineer

Reinard W. Brandley, Airport Engineer ..... (916) 652-4725 Office
.....(916) 316-1135 Cell
Tom Steinkamp, Resident Engineer ..... (916) 652-4725 Office
.....(916) 622-5478 Cell

At the start of construction the Contractor will be required to provide the Resident Engineer with the names, telephone numbers, cell phone numbers, and e-mail addresses of all Contractor personnel that are responsible for on-call 24/7 services if necessary.

(b) NOTAMs

The Airport Management will issue Notices to Airmen (NOTAMs) as required accurately describing current airport conditions and contractor operations. This will be coordinated with tenants of the airport. Dave Randall, Public Works Director, and Jason Rogers, Public Works/Airports will be the primary contacts responsible for issuing, maintaining, and canceling NOTAMs. The Airport Management has provided a list of airport employees who are authorized to issue NOTAMs to the FSS air traffic manager.

NOTAMs will be issued clearly identifying where the construction work is being performed and during which periods. A special NOTAM will be issued to identify that personnel and equipment are working adjacent to Taxiway P and to alert the pilot to broadcast on Unicom his/her intention to land on or take off from the runway.

(c) Emergency Notifications:

In case of emergency during the construction of this project, Contractor will notify one or more of the following:

Fire/Police/Ambulance - Emergency	Call 911
Airport Radio Communication (Article 5 of CSPP)	122.8 Mhz
Madera City Fire Department – Non Emergency	(559) 675-7799
Madera Police Department – Non Emergency	(559) 675-4200
Madera Community Hospital	(559) 675-5555
Poison Control	(800) 222-1222

(d) Coordination with Fire Department Personnel:

The Contractor will be required to notify Airport and/or Fire Department personnel if any water lines or fire hydrants are damaged or deactivated. The Contractor will also notify Airport and/or Fire Department personnel if there are any blocked or rerouted emergency access routes or if hazardous materials will be used on the airfield. The non-emergency telephone number for the Fire Department is (559) 675-7799 and the contact person is Dispatcher on Duty. Contractor will confirm in writing the date and time Fire Department was notified and the contact person.

(e) Notification to the FAA:

Part 77. The Contractor will coordinate with the Resident Engineer who will file a 7460-1 form with the F.A.A. Airports District Office in Brisbane if any construction equipment (i.e. cranes, graders, other equipment) affects navigable airspace as defined in FAR Part 77.

NAVAIDS. For emergency notification about impacts to both airport owned and FAA owned NAVAIDs Airport Management will contact the Operations Control Center at (866) 432-2622.

If construction operations require a shutdown of more than 24 hours, or more than 4 hours daily on consecutive days, of a NAVAID owned by the airport but maintained by the FAA, FAA ATO/Technical Operations will be provided a 45-day minimum notice prior to facility shutdown.

If construction operations will cause impacts to NAVAIDs, the Airport Management will contact FAA ATO Service Area Planning and Requirements Groups a minimum of 45 days prior to implementing these operations and coordinate the shutdown with the local FAA ATO/Technical Operations office, including necessary reimbursable agreements and flight checks. A 7-day notice will be given to FAA ATO to schedule the actual NAVAID shutdown.

10. INSPECTION REQUIREMENTS

The Airport will provide an inspector to ensure that all Contractor operations comply with all requirements of the plans, specifications, and this Safety Plan. It will be his/her duty to inspect materials and workmanship of the work under instructions of the Airport or Engineer and to report any and all deviations from the Drawings, Specifications, and other Contract provisions that may come to his/her notice. The inspector will have the right to order the work entrusted to his/her supervision immediately stopped, if in his/her opinion such action becomes necessary, until the Owner or Engineer is notified and has determined and ordered that the work may proceed in due fulfillment of all Contract requirements.

(a) Daily Inspections. Daily inspections will be conducted to ensure conformance with the CSPP. Exhibit C of this CSPP includes a Construction Project Daily Safety Inspection Checklist for this purpose.

(b) Final Inspections. Whenever an area on the airport is reopened for aircraft operations, an inspection will be conducted to assure compliance with the plans, specifications, and CSPP. At the end of the project a final inspection will be held by the Resident Engineer, the Airport Management, and the Federal Aviation Administration to assure all components of the project comply with the plans, specifications, and CSPP.

11. UNDERGROUND UTILITIES

Not less than two full working days prior to performing any excavation, the Contractor will be required to notify Underground Service Alert (USA) by calling 811. The location of the subsurface installations will be in accordance with Sections 4216 and 4217 of the Government Code, as latest amended. No excavation will be performed until the subsurface installations have been located, hand-excavated and identified. The Contractor will update the location of the subsurface installations in the proposed work area every 14 calendar days, as required.

In case of accidental utility disruption, utilities owners' contacts and telephone numbers are included below:

Electrical/Gas – Pacific Gas and Electric..... (559) 675-2258
Sewer, Water and Storm Drain Services – City of Madera ..... (559) 661-5466
Sewer – City of Madera .....(559) 713-4466
Water – Madera Irrigation District..... (559) 673-3514
Telephone – AT&T.....(800) 222-0400
Cable – Media One ..... (559) 455-4231

Refer to Article 9 of this CSPP for procedures for contacting the Fire Department and FAA in case of interruption of water service and NAVAIDs, respectively.

12. PENALTIES

If in the opinion of Airport Management or the Resident Engineer, the Contractor's employees or subcontractors are in violation of the airport's rules and regulations, including this CSPP, is of sufficient magnitude as to cause danger to life and property, the Resident Engineer shall have the right to stop all work on this contract for a period of forty-eight (48) hours as a contractual penalty.

Any vehicle operator who willfully violates the CSPP will be requested, through the Contractor, to leave the job site.

13. SPECIAL CONDITIONS

Some special conditions may trigger specific safety mitigation actions outlined in this CSPP. These may include low visibility operations, aircraft in distress, aircraft accident, security breach, Vehicle/Pedestrian Deviations (VPD), and other activities requiring construction suspension/resumption. In order to be advised of these special conditions and actions to be taken, the Contractor shall at all times maintain radio contact as specified in Article 5 of this CSPP.

Should an aircraft emergency occur anyplace on the airport, the Contractor will be required to move all personnel and equipment beyond the safety area of the runway and taxiways and to refrain from moving out of these areas to resume work until specifically authorized by Airport personnel. The area around the downed aircraft shall be evacuated and not reentered by the Contractor until given permission, except for lifesaving activities.

Contractor will be responsible for dust and erosion control during the duration of the project.

14. RUNWAY AND TAXIWAY VISUAL AIDS

There exist on the airport runway and taxiway marking, runway and taxiway lights and signs, and visual NAVAIDs. These facilities are shown on the attached Construction Safety and Phasing Plan Drawing, Exhibit A. Areas where aircraft will be operating will be clearly and visibly

separated from construction areas. Throughout the duration of the construction project, these areas will remain clearly marked and visible at all times and all marking, lighting, signs, and visual NAVAIDs will remain in place and operational.

It will not be necessary to install temporary marking, lights, signs, or visual NAVAIDS during the construction of this project.

Lights, markings, signs, and visual NAVAIDs adjacent to areas used by aircraft will comply with the frangibility requirements of Advisory Circular 150/5220-23, *Frangible Connections*.

During construction of this project it will be necessary to cover the sign panels of airfield guidance signs as shown on Exhibit B. The airfield guidance sign panels will be covered in such a way that the panels are not visible during day operations. Covers will be secured to the sign to resist prop blast and weather conditions. Sign covers will be placed each day before beginning work and removed each night after work is complete.

No closed runway crosses will be placed on the runway during the construction of this project. The runway will remain open at all times.

15. MARKING AND SIGNS FOR ACCESS ROUTES

The marking and signing for access routes to the construction site is shown on the Construction Safety and Phasing Plan. Signs will conform to Advisory Circular 150/5340-18F, Standards for Airport Sign Systems. To the extent possible, signs will be in conformance with the Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD) and/or State highway specifications and will not be hand lettered.

16. HAZARD MARKING AND LIGHTING

The airport will be open during construction of the work on this project. The Contractor will erect and maintain hazard marking and lighting at the boundary of the work area to keep aircraft from entering the Contractor's work areas and to keep the Contractor's personnel and equipment from occupying any of the areas open for aircraft operations. Hazard marking and lighting will also be placed to identify open trenches and manholes, small areas under repair, stockpiled material, waste areas, and areas subject to jet blast. The locations and details of barricades to be placed in this project are shown on the Construction Safety and Phasing Plan, Exhibit A.

The barricades will be plastic water-filled lighted barricades as shown on the Construction Safety and Phasing Plan, Exhibit A. Each barricade will have two solar-powered lights with red lenses each controlled by photocells such that they are on continuous at night and off by day. Maximum spacing between barricades will be four (4) feet. Spacing will be such that a breach is physically prevented barring a deliberate act. Barricades will have alternate orange and white diagonal striping. The barricades will be supplemented with signs such as "No Entry" and/or "No Vehicles," as necessary. All barricades will be removed at the completion of the contract.

The Contractor will supply the names and telephone numbers of persons responsible for the emergency maintenance of the hazard marking and lighting during construction of this project who will be available 24 hours a day.

17. PROTECTION OF RUNWAY AND TAXIWAY SAFETY AREAS

No construction may occur within a runway safety area (RSA) or taxiway safety area (TSA) while the associated runway or taxiway is open for aircraft operations. These safety areas, along with the runway object free zone (OFZ) and object free area (OFA), taxiway OFA, and runway approach surfaces, are shown on the Construction Safety and Phasing Plan.

No blasting operations will be required or allowed during the construction of this project.

Open trenches or excavations will not be permitted within the RSA while the runway is open for aircraft operations. The Contractor will furnish, erect, and maintain red or orange flags, as approved by the airport operator, and red lights during hours of restricted visibility or darkness, around open trenches, excavations, temporary stockpiles, and his/her parked construction equipment that may be hazardous to the operation of aircraft, emergency fire-rescue, or maintenance vehicles on the airport. See Article 16 of this CSPP for details of Hazard Marking and Lighting.

No drop-off greater than 3 inches will be allowed to exist within the TSA (40 feet of the edge of Taxiway P) at night, weekends, or during periods when the Contractor is not working in these areas. If excavation occurs within the RSA or TSA that leaves a depression greater than 3 inches, the Contractor will fill the excavated area such as to maintain a maximum 3 inch drop off at the edge of pavement and extend at a maximum slope of 5 percent from the edge of pavement. This embankment will be rolled a sufficient amount such that it will withstand truck traffic without rutting. The backfill will be removed from this area or spread out and used as the specified segment of the pavement section when work resumes in the area.

The RSA and TSA will be:

a. Cleared and graded and have no potentially hazardous ruts, humps, depressions, or other surface variations.

b. Drained by grading or storm sewers to prevent water accumulation.

c. Capable under dry conditions of supporting construction and maintenance equipment, aircraft rescue, fire-fighting equipment, and the occasional passage of aircraft without causing structural damage to the aircraft.

d. Free of objects, except for objects that need to be located in the RSA because of their functions. These objects will be constructed on low impact resistant supports (frangible mounted structures) to the lowest practical height with the frangible point no higher than 3 inches above finished grade.

Construction, including excavations, may be permitted in the runway OFA. However, equipment must be removed from the runway OFA when not in use, and material will not be stockpiled in the runway OFA. Stockpiling material in the OFA requires submittal of a 7460-1 and justification provided to the FAA Airports District Office for approval.

No construction may occur within a taxiway OFA while the taxiway is open for aircraft operations.

No construction equipment or personnel may not penetrate the OFZ while the runway is open for aircraft operations.

All personnel, materials, and/or equipment must remain clear of the applicable runway approach/departure areas and clearways as shown on the Construction Safety and Phasing Plan.

During construction an experienced flagger furnished by the Airport will have a two-way radio tuned to Unicom frequency 122.8 MHz and will control Contractor's personnel and equipment operations in these secure areas. He/she will also by visual observation identify any aircraft operation at the airport as detailed in Article 5 of this CSPP. NOTAMs will be issued to alert pilots of this condition. During all times when Contractor's equipment and personnel are not working on the project, equipment shall be moved back to a point 250 feet from the centerline of Runway 12-30. At night and weekends all Contractor's equipment shall be moved to the Contractor's Staging Area as shown on the Construction Safety and Phasing Plan.

If it is necessary to use construction equipment (cranes, concrete pumps, etc.) that is higher than 25 feet, a 7460-1 determination will be issued for such equipment as outlined in Article 18 of this CSPP.

18. OTHER LIMITATIONS ON CONSTRUCTION

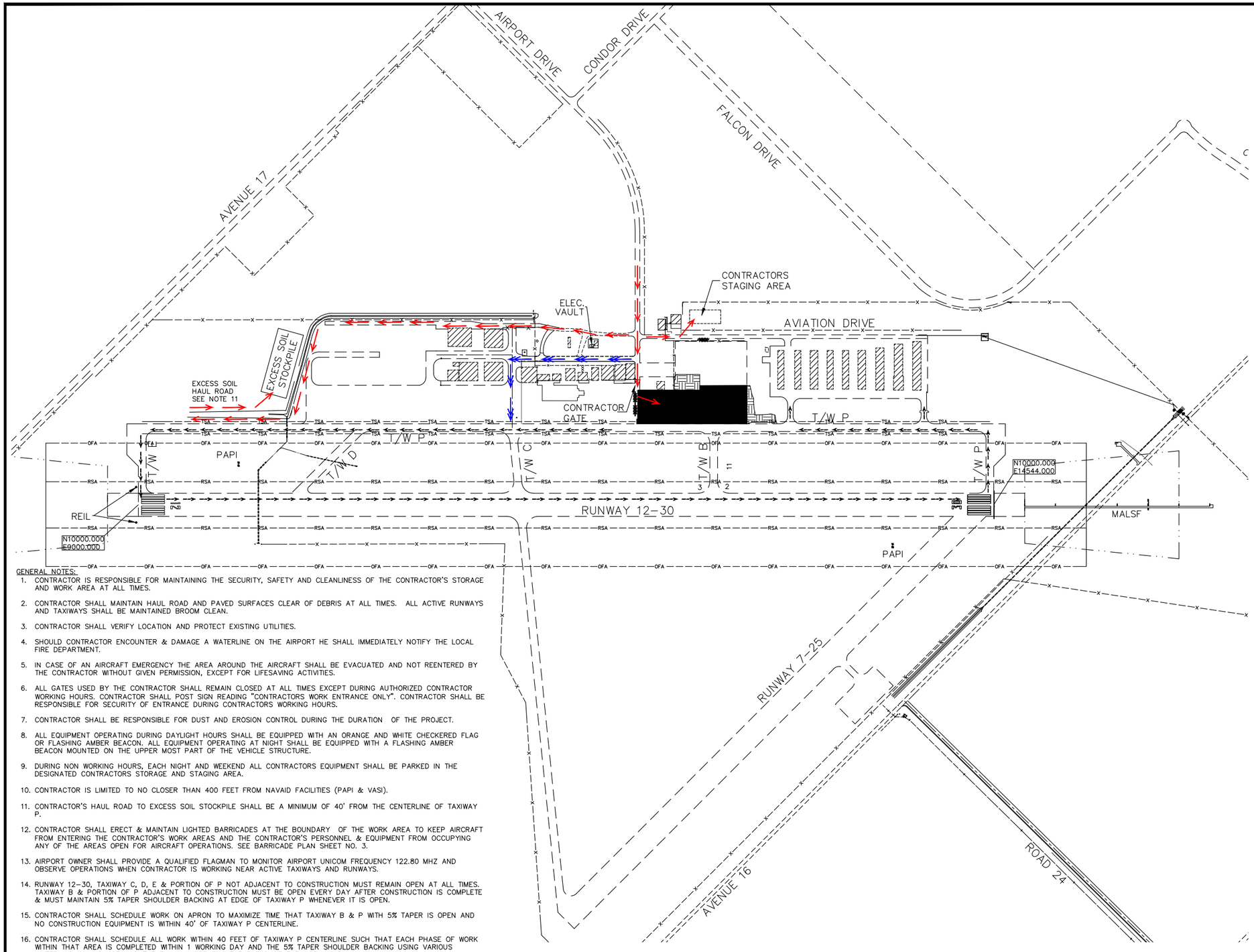
Additional limitations on construction including but are not limited to:

a. No use of equipment taller than 25 feet (cranes, concrete pumps, and so on) unless a 7460-1 determination letter is issued for each piece of equipment.

b. No use of open flame welding or torches unless fire safety precautions are provided and the airport operator has approved their use.

c. No use of electrical blasting caps on or within 1,000 feet of the airport property.

d. No use of flare pots within the air operations area.



LEGEND

- N10000.000 E14544.223 — AIRPORT GRID COORDINATES
- EXISTING BUILDING
- NEW PAVEMENT THIS PROJECT
- GRADING THIS PROJECT
- R/W AND T/W CENTERLINE
- EXISTING PAVEMENT EDGES
- EXISTING FENCE LINE
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- RUNWAY PROTECTION ZONE
- BARRICADE
- HAUL ROAD
- AIRCRAFT ROUTE
- ARFF ROUTE

GRID NORTH

300 0 150 300
SCALE: 1"=300'

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SECURITY, SAFETY AND CLEANLINESS OF THE CONTRACTOR'S STORAGE AND WORK AREA AT ALL TIMES.
2. CONTRACTOR SHALL MAINTAIN HAUL ROAD AND PAVED SURFACES CLEAR OF DEBRIS AT ALL TIMES. ALL ACTIVE RUNWAYS AND TAXIWAYS SHALL BE MAINTAINED BROOM CLEAN.
3. CONTRACTOR SHALL VERIFY LOCATION AND PROTECT EXISTING UTILITIES.
4. SHOULD CONTRACTOR ENCOUNTER & DAMAGE A WATERLINE ON THE AIRPORT HE SHALL IMMEDIATELY NOTIFY THE LOCAL FIRE DEPARTMENT.
5. IN CASE OF AN AIRCRAFT EMERGENCY THE AREA AROUND THE AIRCRAFT SHALL BE EVACUATED AND NOT REENTERED BY THE CONTRACTOR WITHOUT GIVEN PERMISSION, EXCEPT FOR LIFESAVING ACTIVITIES.
6. ALL GATES USED BY THE CONTRACTOR SHALL REMAIN CLOSED AT ALL TIMES EXCEPT DURING AUTHORIZED CONTRACTOR WORKING HOURS. CONTRACTOR SHALL POST SIGN READING "CONTRACTORS WORK ENTRANCE ONLY". CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF ENTRANCE DURING CONTRACTORS WORKING HOURS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL DURING THE DURATION OF THE PROJECT.
8. ALL EQUIPMENT OPERATING DURING DAYLIGHT HOURS SHALL BE EQUIPPED WITH AN ORANGE AND WHITE CHECKERED FLAG OR FLASHING AMBER BEACON. ALL EQUIPMENT OPERATING AT NIGHT SHALL BE EQUIPPED WITH A FLASHING AMBER BEACON MOUNTED ON THE UPPER MOST PART OF THE VEHICLE STRUCTURE.
9. DURING NON WORKING HOURS, EACH NIGHT AND WEEKEND ALL CONTRACTORS EQUIPMENT SHALL BE PARKED IN THE DESIGNATED CONTRACTORS STORAGE AND STAGING AREA.
10. CONTRACTOR IS LIMITED TO NO CLOSER THAN 400 FEET FROM NAVAID FACILITIES (PAPI & VASI).
11. CONTRACTOR'S HAUL ROAD TO EXCESS SOIL STOCKPILE SHALL BE A MINIMUM OF 40' FROM THE CENTERLINE OF TAXIWAY P.
12. CONTRACTOR SHALL ERECT & MAINTAIN LIGHTED BARRICADES AT THE BOUNDARY OF THE WORK AREA TO KEEP AIRCRAFT FROM ENTERING THE CONTRACTOR'S WORK AREAS AND THE CONTRACTOR'S PERSONNEL & EQUIPMENT FROM OCCUPYING ANY OF THE AREAS OPEN FOR AIRCRAFT OPERATIONS. SEE BARRICADE PLAN SHEET NO. 3.
13. AIRPORT OWNER SHALL PROVIDE A QUALIFIED FLAGMAN TO MONITOR AIRPORT UNICOM FREQUENCY 122.80 MHZ AND OBSERVE OPERATIONS WHEN CONTRACTOR IS WORKING NEAR ACTIVE TAXIWAYS AND RUNWAYS.
14. RUNWAY 12-30, TAXIWAY C, D, E & PORTION OF P NOT ADJACENT TO CONSTRUCTION MUST REMAIN OPEN AT ALL TIMES. TAXIWAY B & PORTION OF P ADJACENT TO CONSTRUCTION MUST BE OPEN EVERY DAY AFTER CONSTRUCTION IS COMPLETE & MUST MAINTAIN 5% TAPER SHOULDER BACKING AT EDGE OF TAXIWAY P WHENEVER IT IS OPEN.
15. CONTRACTOR SHALL SCHEDULE WORK ON APRON TO MAXIMIZE TIME THAT TAXIWAY B & P WITH 5% TAPER IS OPEN AND NO CONSTRUCTION EQUIPMENT IS WITHIN 40' OF TAXIWAY P CENTERLINE.
16. CONTRACTOR SHALL SCHEDULE ALL WORK WITHIN 40 FEET OF TAXIWAY P CENTERLINE SUCH THAT EACH PHASE OF WORK WITHIN THAT AREA IS COMPLETED WITHIN 1 WORKING DAY AND THE 5% TAPER SHOULDER BACKING USING VARIOUS MATERIALS IS IN PLACE AND THE TAXIWAY OPENED AT THE END OF THE WORKING DAY.
17. TAXIWAY P & B WILL BE CLOSED FROM AREA ADJACENT TO APRON WORK AREA WHEN CONSTRUCTION WORK IS PROCEEDING WITHIN 40 FT. FROM TAXIWAY P CENTERLINE AND SHALL BE OPEN AT ALL OTHER TIMES.
18. DURING PERIOD OF PORTION OF TAXIWAY P & B CLOSURE ALL AIRCRAFT WILL BACK TAXI ON RUNWAY FROM TAXIWAY C TO THE EAST END OF THE RUNWAY. AIRCRAFT FROM TEE HANGAR AREA WILL TAXI ON TAXIWAY P TO RUNWAY 30 AND BACK TAXI TO TAXIWAY C TO ACCESS FBO AND FUEL ISLAND.
19. WHENEVER PORTION OF TAXIWAY P & B IS CLOSED CONTRACTOR SHALL SCHEDULE CLOSURE 24 HOURS PRIOR TO BEGINNING OF CLOSURE WITH RESIDENT ENGINEER.
20. CONTRACTOR SHALL STOCKPILE ALL PULVERIZED AC & AB WITHIN THE CONSTRUCTION LIMITS. ALL STOCKPILES SHALL BE A MINIMUM OF 70' FROM THE CENTERLINE OF T/W P AND A MAXIMUM OF 6' HIGH. CONTRACTOR SHALL STOCKPILE ALL EXCESS EXCAVATION IN DESIGNATED EXCESS SOIL STOCKPILE.

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 : Loomis, California 95650 : (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER REINARD W. BRANDLEY No. C 71139 Exp. 6-30-2017 CIVIL STATE OF CALIFORNIA

No.	REVISIONS	BY	APR	DATE

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

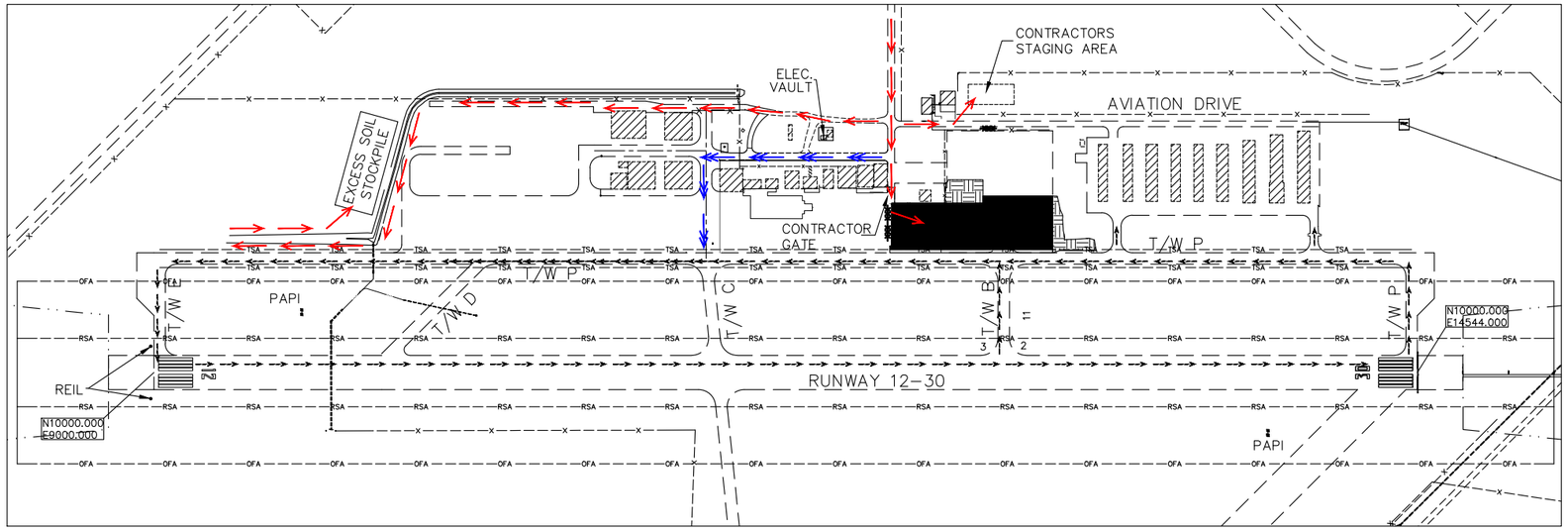
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

CONSTRUCTION SAFETY & PHASING PLAN

DATE	DATE
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s002&3
SCALE	1"=300'

SHEET No.
EXHIBIT A

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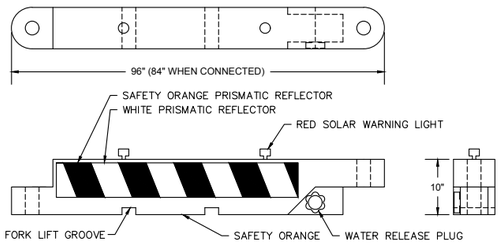
LEGEND

- N10000.000 E14544.223 — AIRPORT GRID COORDINATES
- EXISTING BUILDING
- NEW PAVEMENT THIS PROJECT
- GRADING THIS PROJECT
- R/W AND T/W CENTERLINE
- EXISTING PAVEMENT EDGES
- EXISTING FENCE LINE
- RSA — RUNWAY SAFETY AREA
- OFA — RUNWAY OBJECT FREE AREA
- TSA — TAXIWAY SAFETY AREA
- RUNWAY PROTECTION ZONE
- BARRICADE
- HAUL ROAD
- AIRCRAFT ROUTE
- ARFF ROUTE
- 11 — EXISTING SIGN TO BE COVERED & SIGN NUMBER

GRID NORTH

300 0 150 300
SCALE: 1"=300'

BARRICADE PLAN – FOR ALL WORK OUTSIDE TSA



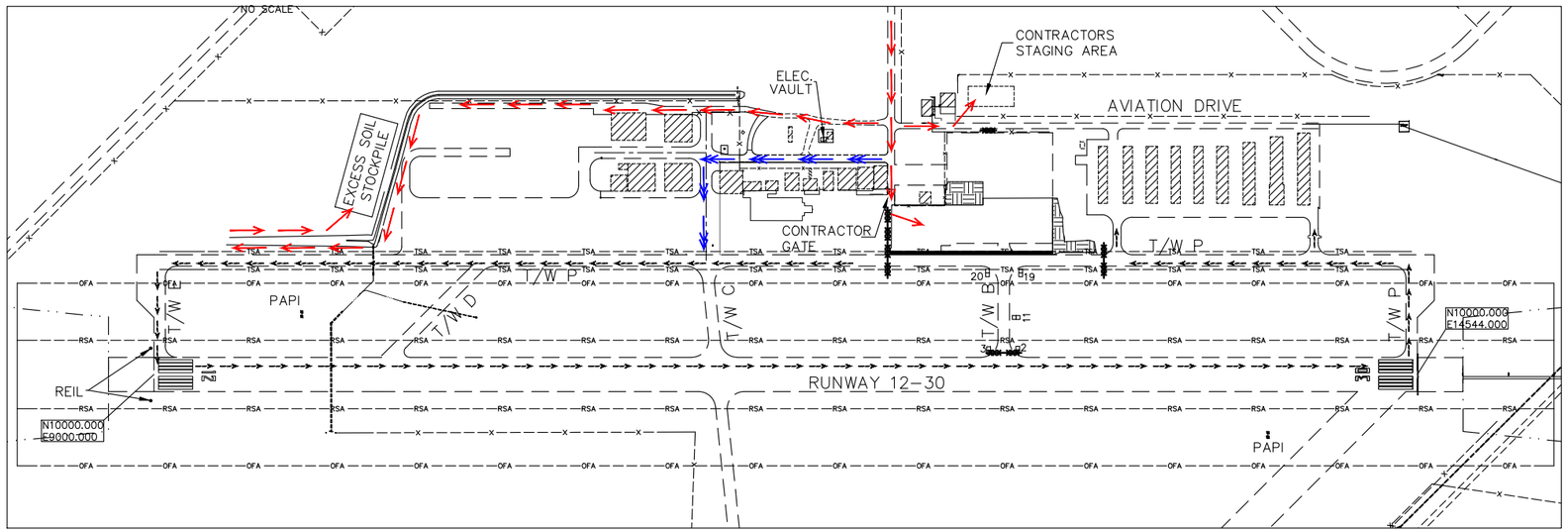
10" WATER–FILLED BARRICADE

NOTES:

1. BARRICADES SHALL BE PLASTIC WATER–FILLED LIGHTED BARRICADES. CROWDSTOPPER WATERCADE WC01–10 10" HIGH OR APPROVED EQUAL.
2. EACH BARRICADE SHALL HAVE 2 SOLAR–POWERED LIGHTS WITH RED LENSES EACH CONTROLLED BY PHOTOCELLS SUCH THAT THEY ARE ON AT NIGHT AND OFF BY DAY.
3. BARRICADES SHALL BE SECURED IF NECESSARY TO RESIST MOVEMENT FROM JET BLAST OR PROP BLAST.
4. AT THE COMPLETION OF CONSTRUCTION, ALL BARRICADES SHALL BE DRAINED OF WATER, DELIVERED TO THE AIRPORT MAINTENANCE BUILDING, AND OWNERSHIP OF THE BARRICADES AND LIGHTS TRANSFERRED TO THE TAHOE–TRUCKEE AIRPORT DISTRICT.

PHASING NOTES:

1. RUNWAY 12–30, TAXIWAY C, D, E & PORTION OF P NOT ADJACENT TO CONSTRUCTION MUST REMAIN OPEN AT ALL TIMES. TAXIWAY B & PORTION OF P ADJACENT TO CONSTRUCTION MUST BE OPEN EVERY DAY AFTER CONSTRUCTION IS COMPLETE & MUST MAINTAIN 5% TAPER SHOULDER BACKING AT EDGE OF TAXIWAY P WHENEVER IT IS OPEN.
2. CONTRACTOR SHALL SCHEDULE WORK ON APRON TO MAXIMIZE TIME THAT TAXIWAY B & P WITH 5% TAPER IS OPEN AND NO CONSTRUCTION EQUIPMENT IS WITHIN 40' OF TAXIWAY P CENTERLINE.
3. CONTRACTOR SHALL SCHEDULE ALL WORK WITHIN 40 FEET OF TAXIWAY P CENTERLINE SUCH THAT EACH PHASE OF WORK WITHIN THAT AREA IS COMPLETED WITHIN 1 WORKING DAY AND THE 5% TAPER SHOULDER BACKING USING VARIOUS MATERIALS IS IN PLACE AND THE TAXIWAY OPENED AT THE END OF THE WORKING DAY.
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5. DURING PERIOD OF PORTION OF TAXIWAY P & B CLOSURE ALL AIRCRAFT WILL BACK TAXI ON RUNWAY FROM TAXIWAY C TO THE EAST END OF THE RUNWAY. AIRCRAFT FROM TEE HANGAR AREA WILL TAXI ON TAXIWAY P TO RUNWAY 30 AND BACK TAXI TO TAXIWAY C TO ACCESS FBO AND FUEL ISLAND.
6. WHENEVER PORTION OF TAXIWAY P & B IS CLOSED CONTRACTOR SHALL SCHEDULE CLOSURE 24 HOURS PRIOR TO BEGINNING OF CLOSURE WITH RESIDENT ENGINEER.



BARRICADE PLAN – FOR ALL WORK IN TSA

CLOSED FACILITY SIGNAGE TABLE

SIGN NO.	SIGN SIZE	EXISTING SIGN LEGEND FRONT	EXISTING SIGN LEGEND BACK	CLOSURE STAGE
2	1		← B	IN TSA
3	1	← B		IN TSA
11	1	B	B 30–12	IN TSA
19	1		P | B →	IN TSA
20	1	P | B →		IN TSA

SIGN NOTES:

1. ALL SIGN PANELS TO BE COVERED SHALL BE COVERED IN SUCH A WAY THAT THE PANEL IS NOT VISIBLE DURING DAY OR NIGHT OPERATIONS. COVERS SHALL BE SECURED TO SIGN TO RESIST PROP BLAST AND WEATHER CONDITIONS.
2. ALL SIGN COVERS SHALL BE APPROVED IN THE FIELD BY RESIDENT ENGINEER.

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 : Loomis, California 95650 : (916) 652-4725

ENGINEER OF RECORD

REVISIONS

No.	BY	APR	DATE

MADERA MUNICIPAL AIRPORT
MADERA CALIFORNIA
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
BARRICADE LAYOUT PLAN

DATE	DATE
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s002&3
SCALE	1"=300'
SHEET No.	EXHIBIT B

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Exhibit C. Construction Project Daily Safety Inspection Checklist

Madera Municipal Airport
Reconstruction of General Aviation Apron Phase 2
AIP No. 3-06-0144-__

The situations identified below are potentially hazardous conditions that may occur during airport construction projects. Safety area encroachments, unauthorized and improper ground vehicle operations, and unmarked or uncovered holes and trenches near aircraft operating surfaces pose the most prevalent threats to airport operational safety during airport construction projects. The list below is one tool that the airport operator or contractor may use to aid in identifying and correcting potentially hazardous conditions.

Potentially Hazardous Conditions

Item	Action Required	None
Excavation adjacent to runways, taxiways, and aprons improperly backfilled.		☐
Mounds of earth, construction materials, temporary structures, and other obstacles near any open runway, taxiway, or taxi lane; in the related Object Free Area and aircraft approach or departure areas/zones; or obstructing any sign or marking.		☐
Heavy equipment (stationary or mobile) operating or idle near AOA, in runway approaches and departures areas, or in OFZ.		☐
Equipment or materials near NAVAIDs that may degrade or impair radiated signals and/or the monitoring of navigation and visual aids. Unauthorized or improper vehicle operations in localizer or glide slope critical areas, resulting in electronic interference and/or facility shutdown.		☐
Tall and especially relatively low visibility units (that is, equipment with slim profiles) – cranes, drills, and similar objects – located in critical areas, such as OFZ and approach zones.		☐
Improperly positioned or malfunctioning lights or unlighted airport hazards, such as holes or excavations, on any apron, open taxiway, or open taxi lane or in a related safety, approach, or departure area.		☐

Item	Action Required	None
Obstacles, loose pavement, trash, and other debris on or near AOA. Construction debris (gravel, sand, mud, paving materials) on airport pavements may result in aircraft propeller, turbine engine, or tire damage. Also, loose materials may blow about, potentially causing personal injury or equipment damage.		☐
Inappropriate or poorly maintained fencing during construction intended to deter human and animal intrusions into the AOA.		☐
Inadequate or improper methods of marking or lighting of runway (especially thresholds that have been displaced or runways that have been closed) and taxiways that could cause pilot confusion and provide a potential for a runway incursion. Inadequate or improper methods of marking, barricading, and lighting of temporarily closed portions of AOA.		☐
Wildlife attractants – such as trash (food scraps not collected from construction personnel activity), grass seeds, tall grass, or standing water – on or near airports.		☐
Obliterated or faded temporary markings on active operational areas.		☐
Failure to issue, update, or cancel NOTAMs about airport or runway closures or other construction related airport conditions.		☐
Failure to mark and identify utilities or power cables. Damage to utilities and power cables during construction activity can result in the loss of runway/taxiway lighting; loss of navigation, visual, or approach aids; disruption of weather reporting services; and/or loss of communications.		☐
Restrictions on ARFF access from fire station to the runway/taxiway system or airport buildings.		☐
Lack of radio communications with construction vehicles in airport movement areas.		☐
Objects, regardless of whether they are marked or flagged, or activities anywhere on or near an airport that can be distracting,		☐

Item	Action Required	None
confusing, or alarming to pilots during aircraft operations.		
Water, snow, dirt, debris, or other contaminants that temporarily obscure or derogate the visibility of runway/taxiway marking, lighting, and pavement edges. Any condition or factor that obscures or diminishes the visibility of areas under construction.		☐
Spillage from vehicles (gasoline, diesel fuel, oil) on active pavement areas, such as runways, taxiways, aprons, and airport roadways		☐
Failure to maintain drainage system integrity during construction (for example, no temporary drainage provided when working on a drainage system).		☐
Failure to control dust.		☐
Exposed wiring that creates an electrocution or fire ignition hazard. Identify and secure wiring, and place it in conduit or bury it.		☐
Construction work taking place outside of designated work areas and out of phase.		☐

APPENDIX B
CONSTRUCTION MANAGEMENT PLAN

APPENDIX B

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

FEDERAL AID PROJECT NO. 3-06-0144-27-2016

CONSTRUCTION MANAGEMENT PLAN

Prepared by:

Reinard W. Brandley
Consulting Airport Engineer
6125 King Road, Suite 201
Loomis, CA 95650
Telephone (916) 652-4725
Fax (916) 652-9029

March 7, 2016
Revised April 25, 2016 – ADDENDUM NO. 1

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

FEDERAL AID PROJECT NO. 3-06-0144-__

CONSTRUCTION MANAGEMENT PLAN

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I. INTRODUCTION

I. INTRODUCTION

The City of Madera, with Federal assistance from the Federal Aviation Administration under the Airport Improvement Program (AIP), proposes the construction of the following work at Madera Municipal Airport, Madera, California:

- Reconstruct General Aviation Apron (179,500 sq. ft.) including grading, drainage, paving, marking, and tie downs.

The pavements in the existing general aviation apron are more than 30 years old. These pavements are cracked, weathered, and, in some instances, showing signs of incipient failure. It is proposed to reconstruct this apron in three phases. This project includes Phase II reconstruction, which consists of Aprons A4 and A5.

It is not feasible to adjust finished grade on this apron due to the proximity of adjacent buildings and taxiways. It is, therefore, necessary to reconstruct the total apron to new grades that match critical fixed grades at the sides of the apron.

The pavement section will be designated to accommodate moderate sized jet aircraft and single and dual engine propeller-driven aircraft. It will be necessary to relocate one floodlight in this project.

Under Grant Assurance #17 all sponsors are required to provide and maintain competent technical supervision at the construction site throughout the project to assure conformance with the approved plans and specifications. A grant condition is incorporated requiring the preparation and submittal of a Construction Management Plan to detail the measures and procedures that are required to assure compliance with the Quality Control (QC) provisions of the construction contract. The Contractor is responsible for all Quality Control (QC) testing and inspection. The Sponsor is responsible for Quality Assurance (QA) to confirm that all work has been performed in accordance with the plans and specifications. This report details the Construction Management Plan for this project.

Prior to issuance of a Notice to Proceed by the County, the Contractor must prepare, submit and obtain approval from the Engineer of his/her Quality Control Plan (QC). The minimum requirements of the Quality Control Plan are indicated in this Construction Management Plan.

II. CONSTRUCTION MANAGEMENT PERSONNEL

II. CONSTRUCTION MANAGEMENT PERSONNEL

Quality Assurance (QA) Program – Sponsor Responsible

Sponsor: City of Madera, Madera Municipal Airport, 4020 Aviation Drive, Madera, CA 93637, Telephone (559) 661-5466, Fax (559) 674-7165

Sponsor Representative..... Dave Randall, Director of Public Works

..... Jason Rogers, Airports/Public Works
Responsibility and authority for contract administration

Consulting Engineer: Reinard W. Brandley, P.E., Consulting Airport Engineer, 6125 King Road, Suite 201, Loomis, CA 95650, Telephone (916) 652-4725, Fax (916) 652-9029

Project Manager, Chief Engineer ..... Reinard W. Brandley, P.E.

- Advise and consult with Sponsor. All Sponsor's instructions shall be issued through the Project Manager. The Project Manager shall interpret the requirements of the contract documents and judge the performance thereunder by both the Sponsor and the Contractor.
- Decide any and all questions which may arise as to the quality and acceptability of materials furnished, work performed, and as to the manner of performance and rate of progress of the work.
- Determine the amount and quality of the several kinds of work performed and materials furnished which are to be paid for under the contract.
- Make periodic visits to the job site to familiarize himself generally with the progress and quality of the work and to determine in general whether such work is proceeding in accordance with the contract documents.
- Approve applications for progress payments made by Contractor.
- Review and approve all Contractor submittals.
- Review all materials, equipment and performance tests for compliance with plans and specifications.

Resident Engineer/QA Manager ..... Tom Steinkamp, E.I. T., Brandley Engineering

- Provide complete construction management services, including providing all resident engineering, testing, and inspection services and all required reports to the Sponsor and F.A.A.
- Notify the Contractor or his/her representative of any failure of the work or materials to conform to the requirements of the contract, plans, or specifications and to reject such nonconforming materials in question until such issues can be referred to the Project Manager for his decision.
- Attend weekly construction meetings.
- Evaluate materials and methods of construction.
- Perform field and/or construction surveys if required.
- Prepare and assist in negotiating any required change orders.

- Perform and/or supervise all testing and inspection services required for Quality Assurance. Depending on circumstances in the field, tests and inspections will be performed by Resident Engineer, Brandley Engineering inspector, or qualified outside testing laboratory.
- Review all Contractor Quality Control testing and test results.
- Prepare or review weekly and final summary test reports.

Inspector*.....*David Baltazar

- Assist the Resident Engineer in all aspects of construction management including but not limited to testing and inspection services, evaluation of materials and methods of construction, and performing field and/or construction surveys if required.

Quality Control (QC) Program – Contractor Responsible

Contractor: _____***To Be Determined***

Project Superintendent ..... To Be Determined

- Monitor quality control plan.
- Prepare asphalt mix design.
- Analyze test results.
- Prepare daily and weekly summary and final summary test reports.
- Transmit test results to home office with copies to Resident Engineer.
- Make and implement corrective decisions.
- Supervise all employees and subcontractors.
- Prepare and transmit to Resident Engineer all required submittals.

Quality Control Manager ..... To Be Determined

- Administer quality control plan.
- Prepare and submit Quality Control Program.
- Perform quality control tests on aggregate subbase course, aggregate base course, bituminous surface course, and structural Portland cement concrete.
- Assemble and review test data, make statistical and trend analysis, provide corrective recommendations to Project Superintendent.
- Provide daily inspection reports and daily testing reports to Resident Engineer.
- Provide weekly typewritten summaries of all test results for each material tested to Resident Engineer.
- Provide linear control charts on aggregate base course and asphalt gradations each week.
- At the end of the project provide final typewritten summary tables showing all test results in chronological order conducted for each product.

Plant Foreman ..... To Be Determined

- Control gradation, cement content, and temperature of the mix.
- Report all test data plus mix and cement quantities at least twice daily to Project Superintendent and/or Quality Control Manager.

Paving Foreman..... To Be Determined

- Control grade, thickness, joints, density, and surface tolerance.
- Monitor yield.

Testing Laboratory*:* _____

Testing Technician..... To Be Determined

- Perform quality control tests on all materials submitted by Contractor.
- Provide test results to Quality Control Manager.
- Analyze results and provide analysis and corrective recommendations to Quality Control Manager.

Manufactured Materials – Contractor shall obtain and submit to Resident Engineer vendors' certificates of compliance with specification requirements. Vendors' certificates will be required for the following items:

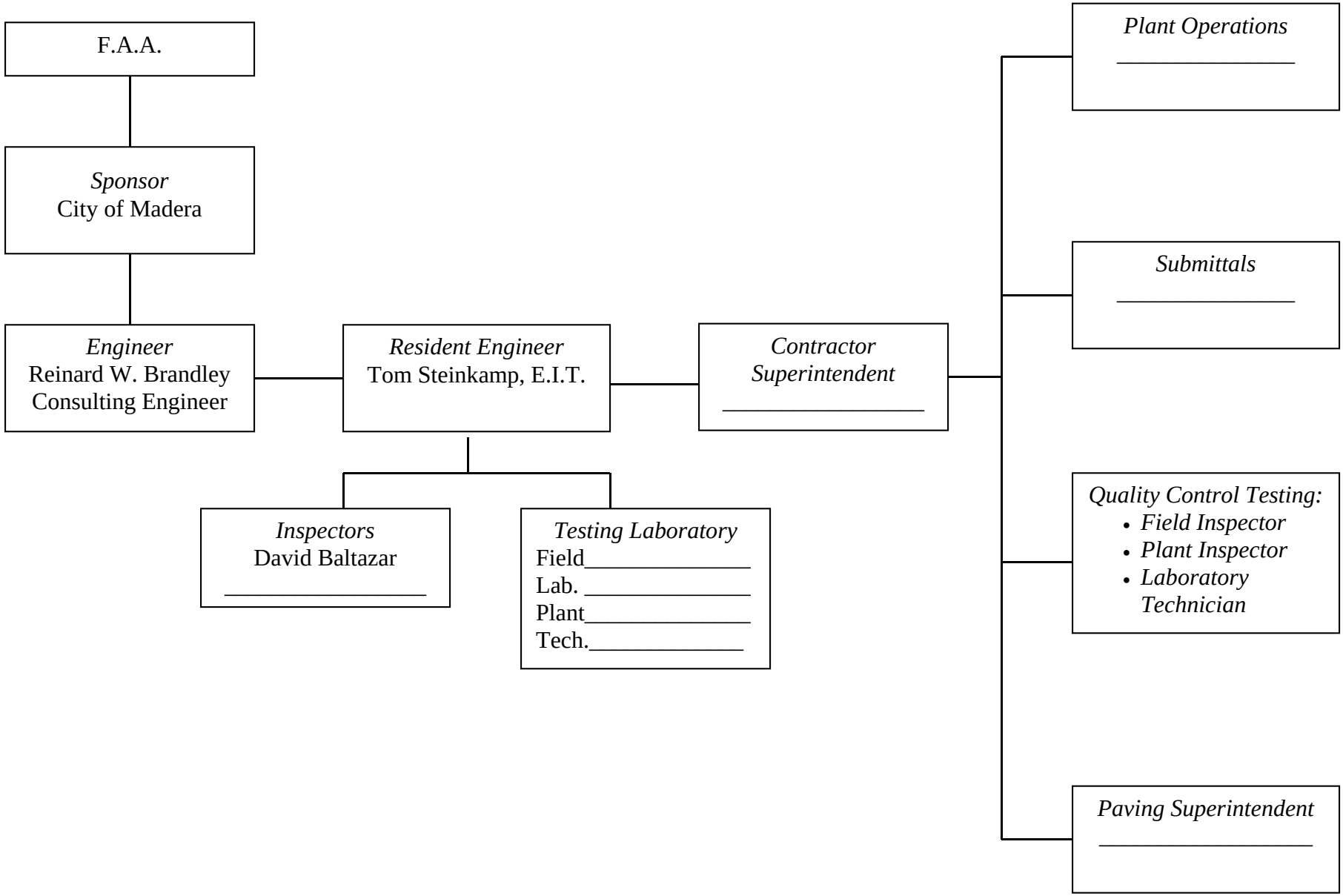
- Paving Asphalt
- Bituminous Prime Coat
- Bituminous Tack Coat
- Portland Cement
- Structural Steel
- Concrete Admixtures
- Fly Ash
- Paint and Reflective Beads
- Fencing and Gates
- Drainage Features
- Electrical Features

Resident Engineer's Field Office and Laboratory – All inspection and Quality Assurance testing will be performed by the Sponsor's Consulting Engineer's staff (Reinard W. Brandley) with assistance from qualified testing laboratory for testing of hot mix asphalt. Testing Laboratory is to be determined.

An office and laboratory space will be furnished on site by the Sponsor for the use of the Resident Engineer. Required laboratory test equipment will be brought to the site to allow testing of most materials. Some specialized tests will be conducted in the home office laboratory of Reinard W. Brandley or in the testing laboratory.

Most tests will be performed in the field laboratory so that the Contractor can have immediate access to all Quality Assurance test results.

CONSTRUCTION MANAGEMENT PLAN – ORGANIZATION CHART



III. RESUMES OF BRANDLEY ENGINEERING PERSONNEL
(QUALITY ASSURANCE CONSULTANT)

REINARD W. BRANDLEY, P.E. – PROJECT MANAGER, OWNER AND CHIEF ENGINEER

Mr. Brandley has been the owner and chief engineer of this firm since 1953. He is involved directly with every project. He coordinates the design of all projects and has responsibility for construction management. He has extensive design experience on airfield pavements, including asphaltic concrete pavements and Portland cement concrete pavements. Mr. Brandley's post-graduate education is in Soil Mechanics and Foundation Engineering. Doctoral research was concerned with airfield pavement design and evaluation. He has developed a fatigue analysis methodology for airfield pavement evaluation. He has also developed techniques and equipment for plastic grooving of concrete. He has been actively involved in airfield pavement design and construction control for 63 years. During this period, he has been principal responsible for design of many projects at over 100 airports throughout the United States and one airport in Iran. He has developed pavement evaluation research programs.

Education

B. Sc. in Civil Engineering, University of Alberta, Canada - 1945
M. Sc. in Civil Engineering, University of Alberta, Canada - 1946 - Thesis - Airfield Pavement Evaluation Studies
S.M. - Graduate School of Engineering, Harvard University
Completed resident requirements for degree of Doctor of Science at Harvard University, Graduate School of Engineering - 1948 - Thesis - The Evaluation of Full-Scale Load Tests for the Bearing Capacity of Airfield Pavements

Professional Registration

State of California - Civil Engineer - No. 8044 - Since 1951
State of California - Geotechnical Engineer - No. 160
Also Registered Professional Engineer in the States of:

Nevada	Oregon	Kentucky
Utah	Tennessee	Colorado
Florida	Washington	

Membership in Professional Societies

American Society of Civil Engineers - Life Member
American Association of Airport Executives - Associate Member
California Association of Airport Executives - Associate Member
Airport Consultants Council - Member

Technical Activities and Committee Memberships

Member, Airfield Pavement Committee, American Society of Civil Engineers
Member, Task Force on Nondestructive Evaluation of Airfield Pavements, Transportation Research Board
Member, Peer Review Board for New Concrete Manual prepared for U.S. Air Force
Member, Blue Ribbon Panel charged with evaluation of consultants' studies concerning the proposed expansion of San Francisco International Airport (SFO)

THOMAS A. STEINKAMP, E.I.T.
AIRPORT DESIGNER/RESIDENT ENGINEER

Education: B. Sc. in Mechanical Engineering Technology, Oregon State University, 1979

PROFESSIONAL EXPERIENCE:

Mr. Steinkamp has been actively involved in airport and airfield pavement design and construction control on airports in the Western United States for the past 31 years. He was a Soils Technician and engineering technician for a geotechnical materials testing firm for 10 years. He has over 31 years of progressive field and office experience in design and management of airfield projects in our office. He is experienced in the design of runways, taxiways, aprons, and roads, including paving, grading, drainage, lighting, utilities, etc. He prepares specifications, construction cost estimates, and operates the CAD system. Mr. Steinkamp has been responsible for construction management, testing, and inspection on several airports over the past several years.

REPRESENTATIVE PROJECTS:

Testing and Inspection:

Colusa County Airport - Overlay and Light Runway 13-31 and Taxiways, Reconstruct General Aviation Apron – August 2000

Stockton Metropolitan Airport – Runway 29R Extension – August 2002

Cedarville Municipal Airport – Rehabilitate Tie Down Apron – June 2006

Resident Engineer:

Mammoth Yosemite Airport – Rehabilitate Taxiways and Aircraft Parking Apron – September-October 2004

Mammoth Yosemite Airport – Construct Tee Hangar Taxiways – September-October 2004

Madera Municipal Airport – Construct Hangar Apron and Taxiway, Reconstruct General Aviation Apron, Construct Road 24 & 24½ - June-November 2005

Madera Municipal Airport – Crack Seal Airfield Pavements – September 2007

Mammoth Yosemite Airport – Reconstruct Runway 9-27 & Taxiways – May-October 2008

Madera Municipal Airport – General Aviation Apron Expansion Phase 2 – October-December 2008

Madera Municipal Airport – Extend Taxiway P, Construct Holding Apron, Relocate Taxiway A – October through December 2009

Madera Municipal Airport – General Aviation Apron Expansion Phase 2B – August-November 2010

Tulelake Municipal Airport – Reconstruct Aircraft Parking Apron – July 2012

Madera Municipal Airport – Reconstruct General Aviation Apron – July-August 2013

Watsonville Municipal Airport – Reconstruct Taxiway C & GA Apron Phase 1 – June 2014

Chico Municipal Airport – Reconstruct T/W H and Apron Phase 5 – April to August 2015

DAVID BALTAZAR, E.I.T. - RESIDENT INSPECTOR/TESTING TECHNICIAN

Education: B. Sc. in Mechanical Engineering, California State University, Sacramento 2007

PROFESSIONAL EXPERIENCE:

Mr. Baltazar has been involved in airfield pavement testing and inspection on airports in the Western United States for the past 10 years. He has 10 years of progressive field and laboratory experience in testing and inspection of airfield projects in our office. He is experienced in the inspection of runways, taxiways, aprons, and roads, including paving, grading, drainage, lighting, utilities, etc. Mr. Baltazar has been responsible for field and laboratory testing and inspection on several airports over the past few years.

REPRESENTATIVE PROJECTS:

Laboratory Testing:

- AC Mix Designs
- California Bearing Ratio
- Gradation
- Marshall Testing
- Moisture/Density Testing
- Compressive Strength
- Atterberg Limits

Field Inspection and Testing:

Gansner Field – Rehabilitate Taxiways and Aircraft Parking Apron – November 2004

Cedarville Municipal Airport – Construct Tee Hangar Taxiways – June-July 2005

Georgetown Airport - Reconstruct and Light Runway 16-34 – July-August 2005

Gansner Field – Reconstruct Aircraft Parking Apron Phase 2 – August 2005

Lincoln Regional Airport - Reconstruct S. T/W, Replace VASI with PAPI – July 2007

Placerville Airport - Remove Obstructions, Phase 1 Hangar Area – September 2007

Stockton Metropolitan Airport - Rehabilitate Runway 11R-29L – September 2007

Mammoth Yosemite Airport – Reconstruct Runway 9-27 & Taxiways – July 2008

Lake Tahoe Airport – Reconstruct Runway 18-36 – August-October 2008

Lake Tahoe Airport – Reconstruct Terminal Ramp Phases 1 and 2 – August- October 2009

Chico Municipal Airport – Rehabilitation of Aircraft Parking Aprons – 2008 through 2010

Oroville Municipal Airport – Rehabilitate Airfield Pavements – Crack Seal, Remark Airfield Markings – May 2011

Tulelake Airport – Rehabilitation of Aircraft Parking Apron – June 2012

Truckee Tahoe Airport – Reconstruct Runway 10-28 – July-August 2012

Rogers Field – Joint Seal Airfield Pavements – May-July 2013

Rogers Field- Reconstruct Tie Down Apron- April 2015 to May 2015

IV. RESUMES OF CONTRACTOR'S QUALITY CONTROL PERSONNEL

Project Superintendent

(To be added once Contractor has been selected)

Quality Control Manager

(To be added once Contractor has been selected)

Quality Control Testing

(To be added once Contractor has been selected)

V. INSPECTION PROCEDURES AND FREQUENCIES

V. INSPECTION PROCEDURES AND FREQUENCIES

A. Surveying and Grade Control

The surveying to be included in this program will be provided by the Contractor and will be limited to that required for construction of the project. All field notes and data collected during design shall be made available to the Contractor. The survey party shall consist of a qualified party chief and survey crew. All survey equipment shall be verified for proper working operation prior to use. All required horizontal and vertical control is in place and was established in design surveys.

For horizontal control, the referenced datum is NAD83. For vertical control, the referenced datum is NAVD88. The construction monuments shall be adequately protected throughout the duration of the project.

The Contractor shall accomplish construction layout and staking by using horizontal and vertical control monuments established by the Sponsor's surveyor. The responsibility and risk associated with the construction layout shall be borne by the Contractor. The Resident Engineer will review Contractor's layouts and final grades.

During the course of the project work, the Resident Engineer will make spot checks on alignment, verify proper cross sections of the completed pavement layers, and verify final cross sections for computing final pay quantities as required. Where applicable, Resident Engineer will observe and verify Contractor's final grade surveys and utilize these data for calculating pay quantities. A copy of all Contractor's survey notes shall be given to the Resident Engineer.

B. Quality Control By Contractor – Inspection and Testing Responsibility

The Contractor is responsible for Quality Control on this project. All definable features of work will be inspected on a daily basis to ensure continuing compliance with contract requirements until completion of the particular item of work. The following inspections will be addressed:

1. The Contractor will prepare the hot mix asphalt (HMA) mix design for the HMA proposed for use on the project. The laboratory will be accredited in accordance with ASTM D3666. The laboratory accreditation must be current and listed on the accrediting authority's website. A copy of the laboratory's current accreditation and accredited test methods shall be submitted to the Engineer prior to start of construction.

2. During plant operation for material production, quality control test results and periodic inspections will be utilized to ensure the quality of aggregates and other mix components, and to adjust and control mix proportioning to meet the approved mix design and other requirements of the specifications. All equipment utilized in proportioning and mixing will be inspected to ensure its proper operating condition. All necessary inspections will be performed by certified technicians on a daily basis and documented.

3. During field operations, quality control test results and periodic inspections shall be utilized to ensure the quality of all materials and workmanship. All equipment utilized in placing, finishing and compacting shall be inspected to ensure its proper operating condition and to ensure that all such operations are in conformance with the specifications and are within the plan dimensions, lines, grades, and tolerances specified. All necessary inspections will be performed by certified technicians on a daily basis and documented.

4. Any test results that do not meet specification requirements and any grade that is out of tolerance will be immediately reported to the Contractor's Superintendent and the Resident Engineer. Corrective measures will be implemented and new tests and inspections performed to demonstrate that corrections have been made.

5. Test reports will be prepared and transmitted to the Resident Engineer, as follows:

    a. Daily
    b. Weekly Summary in typewritten format
    c. Final Summary – Typewritten & Bound

    Failing test results will be highlighted and corrective action noted.

6. Submittals – All required submittals will be prepared, reviewed and submitted to the Resident Engineer. Only Contractor reviewed submittals will be accepted.

C. Quality Assurance By Resident Engineer – Inspection and Testing Responsibility

The Resident Engineer is responsible for Quality Assurance on this project. All definable features of work will be inspected on a daily basis to ensure continuing compliance with contract requirements until completion of the particular item of work. The following inspections will be addressed:

a. Grade and alignment
b. Suitability test results
c. Surface tolerance
d. Rideability
e. Finish grading and revegetation if necessary
f. Pavement marking
g. Fencing and Gates
h. Drainage features
i. Electrical features

A daily inspection report will be completed as shown in this section of the Construction Management Plan. Weekly reports (FAA Form 5370-1), along with a weekly statement of working days, will be submitted to the Sponsor, the Contractor, and the Federal Aviation Administration.

D. Quality Control Test Program

The Quality Control Test Program established for this project is shown on the Quality Control Testing Schedule included on Page VII-2. Reports of all testing by the Contractor and Resident Engineer will be prepared daily and summarized weekly as required. Samples of the proposed report forms are included on the following pages.

REINARD W. BRANDLEY Report No. _____
CONSULTING AIRPORT ENGINEER
SACRAMENTO, CALIFORNIA

INSPECTION REPORT

{X} Daily
{ } Weekly
{ } Monthly

AIRPORT: Madera Municipal Airport **DATE:** _____

PROJECT: **Reconstruct General Aviation Apron Phase 2** **WEATHER:** _____

AIP NO.: 3-06-0144-27-2016 **TEMPERATURE: min____ max____**

CONTRACTOR: _____
_____
_____

WORKING DAY: yes { } no { }

Contract Working Days 40

A. EARTHWORK
1. { } Demolition (ST-04) _____
2. { } Pavement Removal (P-101) _____
3. { } Clearing and Grubbing (P-151) _____
4. { } Excavation and Embankment (P-152) _____
5. { } Geogrid (ST-05)
6. { } Subbase Course (P-154)_____
7. { } _____

B. FLEXIBLE BASE COURSE
8. { } Crushed Aggregate Base Course (P-209)_____
9. { } _____

C. RIGID BASE COURSE
10. { } Bituminous Surface Coarse (P-401)_____
11. { } _____

D. MISCELLANEOUS PAVING
12. { } Bituminous Prime Coat (P-602)_____
13. { } Bituminous Tack Coat (P-603)_____
14. { } Structural Portland Cement Concrete (P-610) _____
15. { } Steel Reinforcement (P-610) _____
16. { } _____

E. MARKING
17. { } Remove Existing Airfield Marking (ST-06) _____
18. { } Runway and Taxiway Marking (P-620)_____
19. { } Reflective Media (P-620)_____
20. { } _____

F. FENCING
21. { } 4-foot Chain Link Fence, Class E (F-162) _____
22. { } 4-foot Pedestrian Gate (F-162)_____
23. { } _____

Dated: _____

G. DRAINAGE
24. { } PVC Pipe (D-701) _____
25. { } Reinforced Concrete Pipe, Class IV (D-701) _____
26. { } End Cap Existing RDP (ST-07) _____
27. { } Drop Inlet (D-751) _____
28. { } Curb Inlet (D-751) _____
29. { } AC Curb (ST-08) _____
30. { } _____

H. ELECTRICAL
29. { } Airfield Cable (L-108) _____
30. { } Underground Electrical Duct (L-110) _____
31. { } L867 Electrical Junction Structures (L-115) _____
33. { } Floodlight Poles and Luminaires (ST-10) _____
34. { } _____

I. MISCELLANEOUS
35. { } Tie Down Anchors (ST-11) _____
36. { } _____

REMARKS:

_____

_____

_____

_____

_____

CONTRACTOR'S PERSONNEL/EQUIPMENT ON SITE

EQUIPMENT	PERSONNEL

Visitors: _____ Personnel: _____

_____

Date: _____ By: _____

US Department of Transportation

Federal Aviation Administration

CONSTRUCTION PROGRESS AND INSPECTION REPORT

Airport Grant Program

Period Ending
Project Number
AIP 3-06-0144-27-2016

Airport Name

Madera Municipal Airport, Madera, California

Project Description	**Contractor's Name**
General Aviation Apron Reconstruction Phase 2	

1. Rough Estimate of Percent Completion to Date of Construction Phases ***(Include items such as clearing, grading, drainage, base, surface, lighting, etc.)***

2. Work Completed or In Progress This Period

3. Brief Weather Summary This Period Including Approximate Rainfall and Periods of Below Freezing Temperature ***(On earthwork jobs include soil conditions)***

4. Contract Time		**5. Summary of Laboratory and Field Testing This Period (Note failing tests and any retests.** ***(Summarize out-of-tolerance material. Identify material subject to pay reduction.)***
No Days Charged To Date	**Last Working Day Charged (Date)**	

6. Describe Anticipated Work by Contractor for Next Period

Continue Unclassified Excavation and Excavation to Hardpan
Place and Compact Aerated Soils back to Subgrade level.
Electrical Duct Connections

7. Problem Areas/Other Comments ***(Revisions to plans and specifications approved or denied, delays, difficulties, etc.*** **actions taken.)**

Several old, abandoned pipes found and removed beneath existing pavement section.

SPONSOR'S INSPECTOR OR REPRESENTATIVE

Date	**Typed or Printed Name and Title**	**Signature**
	Tom Steinkamp, E.I.T., Resident Engineer	

FAA Form 5370-1 (8-89) Supersedes Previous Edition

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER

6125 King Road, Suite 201 * Loomis, California 95650-8004 * (916) 652-4725

WEEKLY STATEMENT OF WORKING DAYS

AIRPORT: Madera Municipal Airport, Madera, California **DATE:** _____
PROJECT: Reconstruct General Aviation Apron Phase 2 **AIP NO:** 3-06-0144-27-2016

TO: (Contractor) _____

The following statement shows the number of working days charged to your contract for the week ending _____.

Date Contract Approved	
Date of First Chargeable Working Day	
Date Contractor Began Work	
Working Days Specified in Contract	40
Time Extensions by Approved Change Order	0
Total Authorized Working Days	40
Date Job Shutdown due to Ground Saturation	
Date Job Resumed	

DATE	DAY	WEATHER OR CONDITIONS	WORKING DAY	Nonworking Day Caused by Weather or *Other Conditions
	Monday	Sunny, Hot	Yes	
	Tuesday	Sunny, Hot	Yes	
	Wednesday	Sunny, Hot	Yes	
	Thursday	Sunny, Hot	Yes	
	Friday	Sunny, Hot	Yes	

Days this Week	
Days Previously Reported	
Total Days to Date	

Working Days Remaining to Complete Contract	40	
Project Completion this Week	0.0	%
Project Completion to Date	0.0	%
Contract Time Elapsed	0.0	%

Note: The Contractor will be allowed 15 days to protest in writing the correctness of this statement; otherwise, the statement shall be deemed to have been accepted by Contractor.

Tom Steinkamp E.I.T.
PROJECT ENGINEER

*** Remarks:** _____

VI. SUBMITTAL PROCESS

VI. SUBMITTAL PROCESS

At the start of the project, the Contractor will provide a listing of all submittals required for the project for approval by the Resident Engineer. After approval of this list, individual submittals will be submitted to the Resident Engineer for approval prior to delivery of any item. Contractor shall review and approve all submittals prior to submittal to Resident Engineer. Any submittal that does not include Contractor's review and approval signature will not be accepted. The Resident Engineer will review submittals and return them to the Contractor either approved or rejected. No materials will be delivered to the project until submittals are approved.

Certificates of compliance for all manufactured or prefabricated materials shall be delivered to the Resident Engineer.

Upon delivery to the site, the Resident Engineer will inspect each item to assure that it is the same as the approved submittal.

The Submittal Schedule and review path are shown on the following pages.

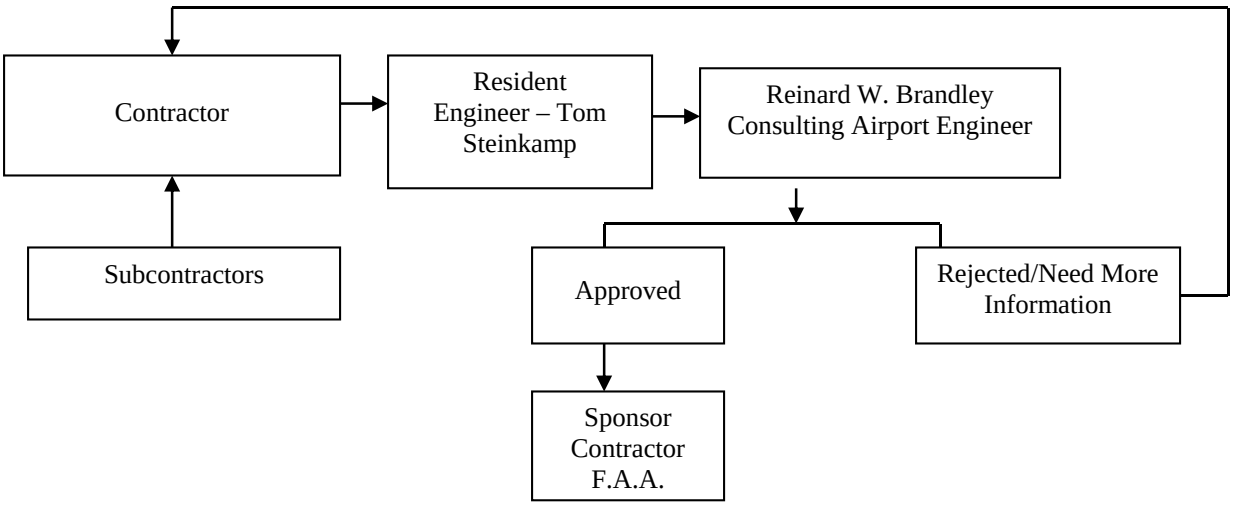
MADERA MUNICIPAL AIRPORT RECONSTRUCT GENERAL AVIATION APRON PHASE 2 - AIP 3-06-0144-27-2016
SUBMITTAL SCHEDULE

Bid Item	Description	Type Submittal	Project Spec.	Test Procedure	Title
--	Construction Schedule	CMP	SC (7)	N/A	N/A
--	List of Materials	List	SC (16)b	N/A	N/A
--	Safety Plan Compliance Document	Manual	SC (15)a		
--	Quality Control Program	Manual	GP-100	N/A	N/A
2	Storm Water Pollution Prevention Program	Plan/Permit	ST-02	N/A	N/A
9	Geogrid (ST-05)	Product Data	05-2.1	N/A	N/A
10	Subbase Course (P-154)	Suitability Tests	154-2.1	ASTM D 1883	CBR
		Gradation		C 136 & C 117	Sieve Analysis
11	Aggregate Base Course (P-209)	Suitability Tests	209-2.1	ASTM C 88	Sodium Sulfate Soundness
				ASTM C 131	LA Rattler
				ASTM D 4791	Flat or Elongated Particles
				ASTM D 5821	Fractured Particles
		Gradation	209-2.2	C 136 & C 117	Sieve Analysis
12	Bituminous Surface Course (P-401)	Job Mix Formula	401-3.2	-	Hot Mix Asphalt Mix Design
		Aggregate Suitability Tests	401-2.1	ASTM C 88	Sodium Sulfate Soundness
				ASTM D5821	Fractured Particles
				ASTM C 131	LA Rattler
				ASTM C142	Clay Lumps and Friable Particles
				ASTM D 2419	Sand Equivalent
				ASTM D 4318	Liquid Limit, Plastic Limit and Plasticity Index
				ASTM D 4791	Flat or Elongated Particles
		Mineral Filler	401-2.2	ASTM D 242	Mineral Filler
		Asphalt Cement Binder	401-2.3	ASTM D 6373	Asphalt Binder
		Gradation	401-3.2	C 136 & C 117	Sieve Analysis
		Marshall Tests		Asphalt Institute MS-2	Marshall Method of Mix Design
13	Bituminous Prime Coat (P-602)	Certificate	602-2.1	ASTM D 3628	Emulsified Asphalts
14	Bituminous Tack Coat (P-603)	Certificate	603-2.1	ASTM D 3628	Emulsified Asphalts
--	Portland Cement Concrete Pavement (P-610)	Alkali-Silica Reaction	610-2.1	ASTM C 1260	Alkali Reactivity
				ASTM C 1567	Alkali-Silica Reactivity
		Suitability Tests	610-2.2/2.3	ASTM C 33	Concrete Aggregates
		Gradation	610-2.2-2.3	ASTM C 136	Sieve Analysis
		Cement - Certificate	610-2.4	ASTM C 150	Portland Cement
		Admixtures	610-2.6	ASTM C 260	Air-Entraining Admixtures
				ASTM C 494	Chemical Admixtures
				ASTM C 618	Fly Ash
		Joint Filler-Certificate	610-2.7	ASTM D 1751	Preformed Expansion Joint Filler
		Concrete Curing - Certificates	610-2.10	ASTM C 309 ASTM C 171	Liquid Membrane Forming Compounds Sheet Materials for Concrete Curing
--	Steel Reinforcement (P-610)	Certificate	610-2.9	ASTM 615	Deformed Bars
				ASTM A 1064	Welded Steel Wire
16	Airfield Marking (P-620)	Certificate	620-2.2	Fed Spec TT-P-1952	Paint, Traffic, and Airfield Marking
17	Glass Beads (P-620)	Certificate	620-2.3	Fed Spec TT-B-1325	Beads (Glass Spheres) Retroreflective
18-19	Fence Fabric	Certificate	162-2.1	ASTM A 392	Zinc-Coated Steel Chain-Link Fence Fabric
	Posts, Rails and Braces	Product Data	162-2.3	N/A	N/A
	Chain Link Fence and Gates	Certificates	162-2.3-2.4	ASTM F1043	Protective Coatings
				ASTM F1083	Pipe for Fence Structures
	Wire Ties and Tension Wires	Product Data/Cert	162-2.5	ASTM A824	Tension Wire
	Miscellaneous Fittings and Hardware	Product Data/Cert	162-2.6	ASTM A 153	Zinc Coating on Iron and Steel Products
20-21	Reinforced Concrete Pipe (D-701)	Certificate	701-2.2	ASTM C 76	Reinforced Concrete Storm Drain Pipe
	Rubber Gaskets (D-701)	Certificate	701-2.4	ASTM C 443	Rubber Gaskets
	Joint Mortar (D-701)	Certificate	701-2.5	C 150/C 144	Portland Cement/Sand
	Joint Fillers(D-701)	Ceritficate	701-2.6	D 6690	Joint and Crack Sealants, Hot Applied
	Plastic Gaskets (D-701)	Certificate	701-2.7	ASTM C 990	Plastic Gaskets
22-23	RCP End Caps (ST-07)	Design	07-3.6	N/A	N/A

MADERA MUNICIPAL AIRPORT RECONSTRUCT GENERAL AVIATION APRON PHASE 2 - AIP 3-06-0144-27-2016 SUBMITTAL SCHEDULE					
Bid Item	Description	Type Submittal	Project Spec.	Test Procedure	Title
24-25	Inlets:				
	Brick (D-751)	Certificate	751-2.1	ASTM C32	Sewer and Manhole Brick
	Mortar (D-751)	Certificate	751-2.2	ASTM C150	Portland Cement
	Manhole Rings (D-751)	Certificate	751-2.4	ASTM C478	Precast Reinforced Concrete Manhole Sections
	Corrugated Metal (D-751)	Certificate	751-2.5	AASHTO M36	Corrugated Steel Pipe, Metallic-Coated
	Gray Iron Castings (D-751)	Certificate	751-2.6	ASTM A48	Gray Iron Castings
	Malleable Iron Castings (D-751)	Certificate	751-2.6	ASTM A47	Ferritic Malleable Iron Castings
	Steel Castings (D-751)	Certificate	751-2.6	ASTM A27	Steel Castings, Carbon
	Structural Steel (D-751)	Certificate	751-2.6	ASTM A283	Tensile Strength Carbon Steel Plates
	Ductile Iron Castings (D-751)	Certificate	751-2.6	ASTM A536	Ductile Iron Castings
	Austempared Ductile Iron Castings (D-751)	Certificate	751-2.6	ASTM A897	Austempered Ductile Iron Castings
	Precast inlet Structures (D-751)	Certificate	751-2.8	ASTM C1433	Precast Reinforced Concrete Monolithic Box Sections
27-32	Cable Type C, No. 6 & No. 8, 5 kV (L-108)	Product Data	108-2.2	N/A	N/A
	Bare Copper Wire	Product Data	108-2.3	N/A	N/A
	Ground Rods (L-108)	Product Data	108-2.3	N/A	N/A
	Cable Connections (L-108)	Product Data	108-2.4	N/A	N/A
	Splicer Qualifications (L-108)	Qualifications	108-2.5	N/A	N/A
	Cable Identification Tags (L-108)	Product Data	108-2.8	N/A	N/A
	Tapes (L-108)	Product Data	108-2.9	N/A	N/A
	Electrical Coating (L-108)	Product Data	108-2.10	N/A	N/A
	Detectable Warning Tape (L-108)	Product Data	108-2.12	N/A	N/A
33	Underground Electrical Duct (L-110)	Product Data	110-2.3	N/A	N/A
	Conduit Spacers (L-110)	Product Data	110-2.5	N/A	N/A
	Detectable Warning Tape (L-110)	Product Data	110-2.8	N/A	N/A
34	Electrical Junction Structure (L-115)	Product Data	115-2.3	N/A	N/A
	Mortar (L-115)	Certificate	115-2.4	ASTM C150	Portland Cement
	Frames and Covers (L-115)	Certificate	115-2.6	ASTM A27	Steel Castings, Carbon
		Product Data	115-2.6	Dimensions/Loading	N/A
35-36	Floodlight Pole (ST-10)	Product Data	10-2.5-1	N/A	N/A
	Luminaire (ST-10)	Product Data	10-2.5-2	N/A	N/A
37	Tie Down Anchors (ST-11)	Certificate/Product Data	11-2.2 11-2.3	ASTM A 36 --	Structural Steel --

MADERA MUNICIPAL AIRPORT
AIP 3-06-0144-27-2016

PATH FOR REVIEW AND APPROVAL OF SUBMITTALS



VII. QUALITY CONTROL TESTING

VII. QUALITY CONTROL TESTING

Quality Control Testing will be performed under the direction of the Contractor and will be reviewed by the Resident Engineer.

The Quality Control Testing Schedule, flow path, and corrective action plan proposed for this project are shown on the following pages.

MADERA MUNICIPAL AIRPORT RECONSTRUCT GENERAL AVIATION APRON PHASE 2 - AIP 3-06-0144-027-2016

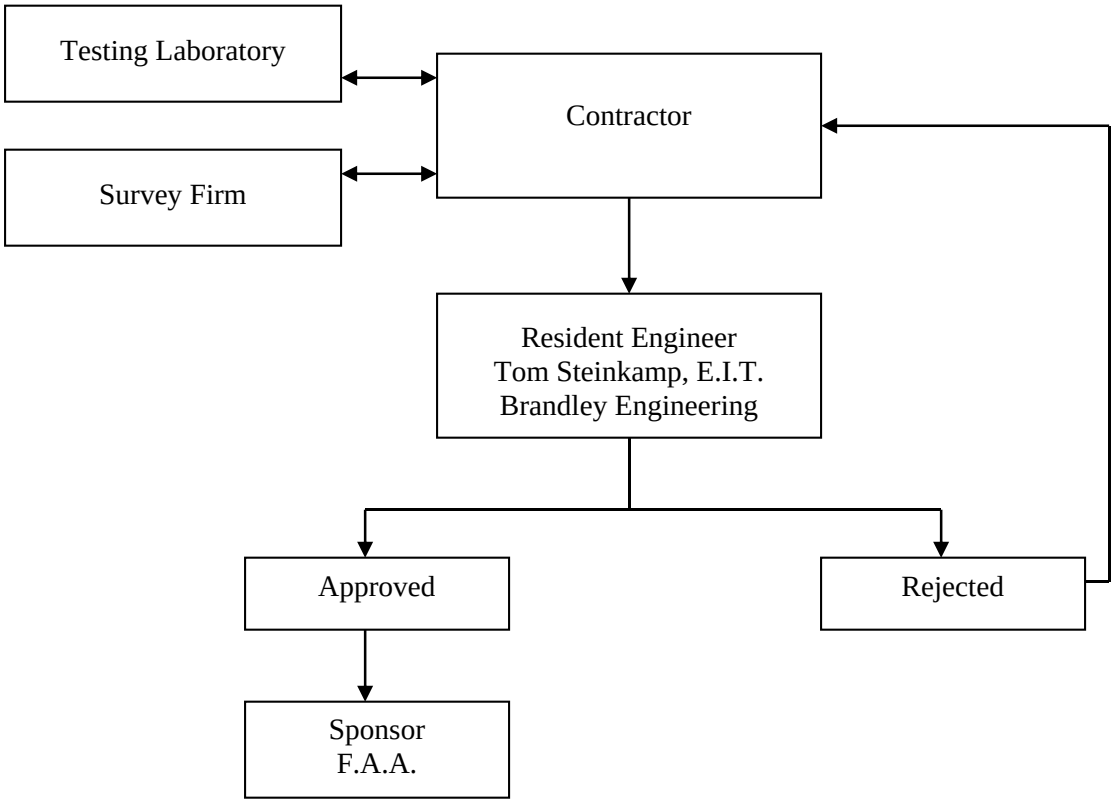
QUALITY CONTROL TESTING SCHEDULE

Spec. No.	Material	Min Frequency	Testing	ASTM	Title
P-101	Pavement Removal		Control Gradation	C 136	Sieve Analysis
P-152	Excavation		Laboratory Compaction Test		
		1/1000 cy	Field Density Test - Nuclear (control)	D 6938	In-Place Density - Nuclear
P-154	Subbase Course	As Needed	Laboratory Compaction Test	D 1557	Laboratory Compaction
		1/1000 cy	Field Density Test - Nuclear (control)	D 6938	In-Place Density - Nuclear
			Field Surface Tolerance(1)	N/A	N/A
P-209	Crushed Aggregate Base		Aggregate Suitability Tests*	--	--
			Control Gradation (Production)	C 136	Sieve Analysis - Fine & Coarse Aggregates
			Control Percent Crushed	D 693	Percent Crushed
			Field Thickness	N/A	N/A
			Field Surface Tolerance(1)	N/A	N/A
		As Needed	Laboratory Compaction Test	D 1557	Laboratory Compaction
		1/700 ton	Field Density Test - Nuclear (control)	D 6938	In-Place Density - Nuclear
P-401	Bituminous Surface Course		Hot Mix Asphalt Mix Design	--	--
		1/1000 ton	Control Gradation (Production)	C 136	Sieve Analysis
		1/1000 ton	Control Percent Crushed		
		1/500 ton	Control Temperatures	N/A	N/A
		1/Lot	Moisture Content of Aggregates	C 566	Moisture Content of Aggregate
		1/Lot	Moisture Content of Mixture	D 1461	Moisture Distillates in Mixture
		4/Lot	Field Temperature	N/A	N/A
		1/500 ton	Field Test Cores	D 3665	Random Sampling of Materials
			Field Density Test - Nuclear (control)	D 2950	Density of Bituminous Concrete
		1/1000 ton	Field AC Content Extraction and Gradings	D 2172	Extraction of Bitumen from Mixtures
		1/1000 ton	Field Theoretical Max Density (Rice Test)	D 2726	Bulk Specific Gravity
P-610	Structural PCC		Aggregate Suitability Tests*	--	--
			Control Percent Crushed		
			Mix Designs and Trial Batches	--	--
		2/Lot	Control Gradation	C 136	Sieve Analysis
			Control Slump	C 143	Slump of Concrete
			Control Air Content	C 173/ C 231	Air Content of Concrete
			Control Thickness	N/A	N/A
F-162	Fencing and Gates	As Needed	Excavation for Fence Posts	N/A	N/A
		As Needed	Installation of Posts, Fencing and Gates	N/A	N/A
D-701	Reinforced Concrete Pipe		Compaction of Backfill - Nuclear (Control) Compliance Certificate	D 6938	In-Place Density - Nuclear
D-751	Drop Inlets		Compaction of Backfill - Nuclear (Control) Compliance Certificate	D 6939	In-Place Density - Nuclear
L-108	Airfield Cable		Continuous and free from short circuits, free from unspecified grounds, resistance to ground not less than 50 megohms, circuits properly connected, circuits are operable	N/A	N/A
L-110	Underground Electrical Duct		Compaction of Backfill - Nuclear (control)	D 6938	In-Place Density - Nuclear
ST-10	Floodlight and Luminaire		Installed at proper elevation, alignment check, securing screws tightened as per manufacture's recommendations, lenses and channels in front of lenses are clean	N/A	N/A

*See Submittal Schedule

MADERA MUNICIPAL AIRPORT
AIP 3-06-0144-27-2016

FLOW CHART – QUALITY CONTROL RESPONSIBILITIES
(Between Testing Laboratory, Contractor, and Resident Engineer)



QUALITY CONTROL CORRECTIVE ACTION PLAN

In the event that inspection or test results indicate unsatisfactory production or construction processes, immediate action will be taken. Corrective actions may range from a minor process adjustment to temporary termination of production. Correction action options are contained in this section of the Construction Management Plan.

Corrective actions will be taken each time that inspection or testing results show a material quality or process to be out of compliance. When any tests fall outside tolerance levels, an appropriate investigation will be set up to determine the cause and bring the material back into tolerance. Where two consecutive tests are outside tolerance levels, then Contractor will take immediate corrective action. This corrective action will occur regardless of its impact upon production. If three consecutive tests are out of specification, then production will immediately be halted and will not resume until it is demonstrated that all requirements can be met. Production will recommence upon approval of the Resident Engineer.

Item Description	Corrective Action
SUBBASE COURSE – ITEM P-154:	
Gradation – Subbase Course	If test results are outside of the tolerances set forth in Item P-154 of the specifications, an immediate investigation will be conducted to determine the cause. Corrections will be made and material will be tested immediately to assure that the correction has been effective.
AGGREGATE BASE COURSE – ITEM P-209:	
Gradation	If test results are outside of the tolerances set forth in Table 1 of paragraph 209-2.1 of the specifications, an immediate investigation will be conducted to determine the cause. Corrections will be made and material will be tested immediately to assure that the correction has been effective.
Finished Grade	If finished grade of aggregate base is outside limits, then the surface will be regraded before bituminous surface course is placed. Bituminous surface Course will not be placed until the corrections have been made and the QC Manager has inspected and approved.
Percent Crushed	If test results are outside the limits set forth in paragraph 209-2.1 of the specifications, an immediate investigation will be conducted to determine the cause. Corrections will be made and material will be tested immediately to assure that the correction has been effective.

Item Description	Corrective Action
Density of AB in-Place	If the field density of aggregate base in-place determination indicates that the aggregate base is not being placed to a minimum of the required maximum density of the lab specimen, immediate action will be taken. Corrections will be made and material will be tested immediately to assure that the correction has been effective.
BITUMINOUS SURFACE COURSE – P-401:	
Surface Tolerance	If the finished surface varies more than 1/4" when tested with a 16-foot straightedge, immediate action will be taken to bring finish surface within the specified tolerance. If the completed thickness is deficient by more than ¼" of the design thickness, corrective action will be taken by excavating to the required depth and replacing with new material. If the completed thickness is thicker and/or surface straightedge tolerances are exceeded, Resident Engineer will evaluate suitability of finished product and Contractor may be requested to grind the surface or remove and replace the AC pavement.
Asphalt Content	If one point falls outside the suspension limit of ±0.70%, or two consecutive points fall outside the action limit of ±0.45%, an immediate investigation will be conducted to determine the cause. Corrections will be made and material will be tested immediately to assure that the correction has been effective.
Aggregate Gradation	If test results are outside of limits set forth in the control charts in paragraph 401-6.5 of the specifications, an immediate investigation will be conducted to determine the cause. Corrections will be made and material will be tested immediately to assure that the correction has been effective.
Aggregate Moisture	When individual or composite aggregate moisture values differ from those of the plant computer, the plant computer will be adjusted to reflect the most recent aggregate moisture.
Asphalt Temperature	If the asphalt temperature is not sufficient to provide adequate coating of aggregate particles or the asphalt temperature exceeds 325º F (148º C) the plant operator will immediately take corrective action to raise or lower the temperature as needed. Temperature will be closely monitored to verify that the correction was adequate.
Aggregate Temperature	If the aggregate and mineral filler temperature exceeds 347º F (175º C) when asphalt is added, the plant operator will immediately take corrective action to lower the temperature as needed. Temperature will be closely monitored to verify that the correction was adequate.

Item Description	Corrective Action
Mix Moisture Content	If the mix moisture exceeds 0.5%, the plant operator will be notified and corrective action will be taken to reduce the moisture in the mix. Aggregate piles may be spread to dry, aggregate time in the heater may be increased, etc.
Aggregate Base Preparation (P-209)	If the inspection indicates that the aggregate base is not compacted to 100% maximum density under areas to be paved, immediate action will be taken. Aggregate base problems will be corrected – dried, cleaned, compacted, graded, etc. Asphalt concrete will not be placed until the corrections have been made and the QC and QA Managers have inspected and approved.
Tack Coat (P-603)	If inspection indicates that the tack coat material or application is not in accordance with the specifications, immediately action will be taken. Tack coat will be re-applied, changed, time for "break" will be lengthened, etc. Bituminous surface course will not be placed until the corrections have been made and the QC and QA Managers have inspected and approved.
Base Temperature	If the surface temperature is less than specified in Table 3 of paragraph 401-4.1 of the specifications, bituminous mixture will not be placed unless approved by the Engineer.
Mix Temperature	If physical measurements indicate that the mix temperature is below the specified temperature, corrective action will be taken immediately. Cool mix will be returned to the plant and the operation will be changed to correct the situation that is causing the problem. AC will be held in tarped trucks and not windrowed until necessary.
In-Place Density	If field density determination indicates that the bituminous surface course is not being placed to a minimum relative mat density of 96.3% or joint density of 93.3%, immediate action will be taken. Roller operations will be investigated and may be changed, plant will be notified and mix quality will be examined, temperature will be determined, etc. Density will be tested immediately following the corrective action to assure that the action has been effective. If a lot does not equal 90 percent within limits (PWL) of the compaction of both mat and joints, corrective action will be taken to increase the degree of compaction.
Stability and Flow	If the lot does not equal 90 percent within the limits (PWL) of Table 4 of paragraph 401-5.2 of the specifications, the reason shall be determined and corrective action will be taken.

Item Description	Corrective Action
Air Voids	If the lot does not have air voids within the limits (PWL) of Table 4 of paragraph 401-5.2 of the specifications, the reason shall be determined and corrective action will be taken.
Surface Smoothness	If the finished surface varies more than 3/8" for base course and ¼" of surface course using a 12-foot straightedge, corrective action will be taken. If more than 15% of all measurements within a lot exceed these tolerances using methods set forth in the specifications, then corrective action will involve removing deficient material and replacing with new. High points will be ground off when required.
Re-sampling Pavement	Corrective action for pavement items may include re-sampling of pavement.

VIII. QUALITY ASSURANCE TESTING

VIII. QUALITY ASSURANCE TESTING

Quality Assurance Testing and Inspection will be performed by or under the direction of the Resident Engineer. Quality Assurance Testing, as a minimum, will include all final acceptance testing to make sure the final product is within specification limits and to determine pay factors for each item.

The Quality Assurance Testing Schedule, flow path charts, and pay factors are included on the following pages.

MADERA MUNICIPAL AIRPORT
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP 3-06-0144-27-2016

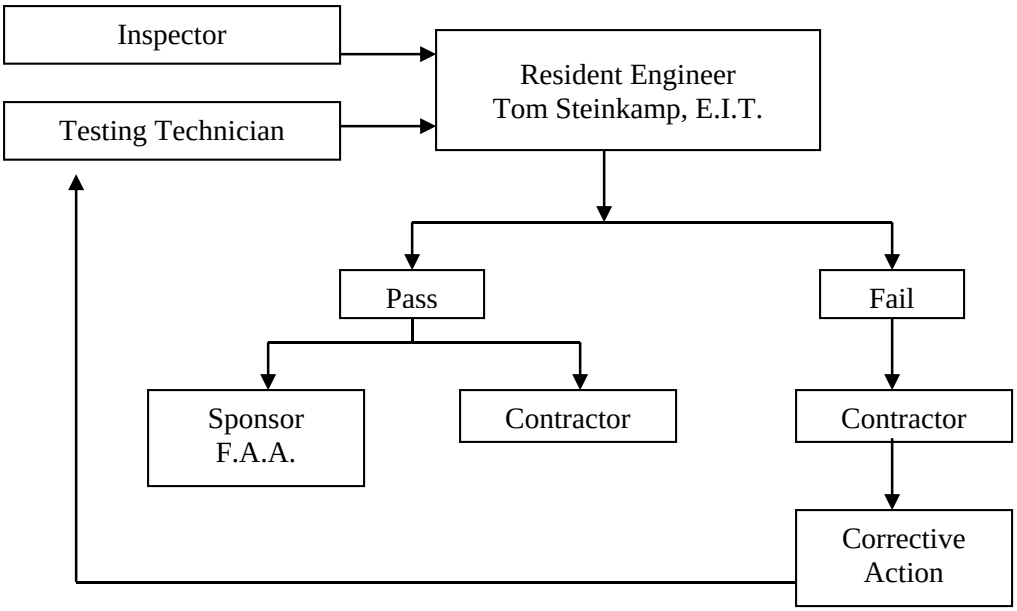
QUALITY ASSURANCE TESTING SCHEDULE

Spec. No.	Material	Min Frequency	Testing	ASTM	Title
P-152	Excavation		Field Density Acceptance Test - Sand Cone	D 1557	Laboratory Compaction
P-154	Subbase Course		Field Density Acceptance Test - Sand Cone	D 1557	Laboratory Compaction
			Field Surface Tolerance	N/A	N/A
P-209	Crushed Aggregate Base		Control CBR	D 1883	California Bearing Ratio
		2/day	Field Gradation (Delivery)	C 136	Sieve Analysis
			Field Percent Crushed		
			Field Surface Tolerance(1)	N/A	N/A
			Field Delivery Moisture Content	D 1557	Laboratory Compaction
			Field Density Acceptance Test - Sand Cone	D 1557	Laboratory Compaction
P-401	Bituminous Surface Course		Field Temperature	N/A	N/A
		1/500 ton	Field Density, Voids, From Cores		
		1/500 ton	Field Marshall Tests	MS-2	Marshall Method
P-602	Bituminous Prime Coat		Spread	N/A	N/A
P-603	Bituminous Tack Coat		Spread	N/A	N/A
P-610	Structural PCC	4 Sets/Lot	Control Compressive Strength	C 39	Compressive Strength
P-620	Airfield Marking		Check Layout	N/A	N/A
F-162	Fencing and Gates		Check Installation	N/A	N/A
D-701	Reinforced Concrete Pipe		Compaction of Backfill - Sandcone(Acceptance) Check compliane Certification	D 1557	Laboratory Compaction
D-751	Drop Inlets/Curb Inlets		Compaction of Backfill - Sandcone(Acceptance) Check compliane Certification	D-1557	Laboratory Compaction
L-110	Electrical Duct		Compaction of Backfill - Sand Cone (acceptance	D 1557	Laboratory Compaction
L-115	L867 Pull Boxes		Check Layout and Installation	N/A	N/A
ST-10	Floodlight & Luminaire		Check Installation		
ST-11	Tie Down Anchors		Check Layout and Installation	N/A	N/A

MADERA MUNICIPAL AIRPORT
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FLOW CHART – QUALITY ASSURANCE RESPONSIBILITIES

(Between Testing Laboratory, Resident Engineer, and Contractor)



PAY FACTORS

Subbase Course/Crushed Aggregate Base - If grade is more than 3/8-inch high, the Contractor shall either remove this excess material at no cost to the Owner, or at the option of the Engineer the material may be left in place, but the quantity of this excess material will be deducted from the price paid to the Contractor. If grade is more than 3/8-inch low, the existing section shall be scarified, additional base course added, and the total section recompacted.

Bituminous Surface Course - The pay factor for each individual lot shall be calculated in accordance with Table 7 of paragraph 401-8.1 of the specifications. A pay factor shall be calculated for both mat density and air voids. The lot pay factor shall be the higher of the two values when calculations for both mat density and air voids are 100% or higher. The lot pay factor shall be the product of the two values when only one of the calculations for either mat density or air voids is 100% or higher. The lot pay factor shall be the lower of the two values when calculations for both mat density and air voids are less than 100%. If PWL for joint density is less than 71 percent then the lot pay factor shall be reduced by 5% but be no higher than 95%.

For each lot accepted, the adjusted contract unit price shall be the product of the lot pay factor for the lot and the contract unit price. Payment shall be subject to the total project payment limitation specified in paragraph 401-8.1. Payment in excess of 100% for accepted lots of HMA shall be used to offset payment for accepted lots of bituminous concrete pavement that achieve a lot pay factor less than 100%.

PRICE ADJUSTMENT SCHEDULE	
Percentage of Material Within the Specification Limit (PWL)	Lot Pay Factor (Percent of Contract Unit Price) [1]
96-100	106
90-95	PWL + 10
75-89	0.5 PWL + 55
55-74	1.4 PWL – 12
Below 55	Reject[2]

[1]Although it is theoretically possible to achieve a pay factor of 106 percent for each lot, actual payment above 100 percent shall be subject to the total project payment limitation specified in paragraph 401-8.1.

[2]The lot shall be removed and replaced. However, the Engineer may decide to allow the rejected lot to remain. In that case, if the Engineer and Contractor agree in writing, that lot shall not be removed, and it will be paid for at 50 percent of the contract price AND THE TOTAL PROJECT PAYMENT LIMITATION SHALL BE REDUCED BY THE AMOUNT WITHHELD FOR THE REJECTED LOT.

The total project payment for plant mix bituminous concrete pavement will not exceed 106 percent of the product of the contract unit price and the total number of tons of bituminous mixture used in the accepted work.

***Basis of Adjusted Payment for Smoothness*.** Price adjustment for pavement smoothness will be made in accordance with Table 7. The adjustment will apply to the total tonnage of HMA within a lot of pavement and shall be applied with the following equation:

(Tons of asphalt concrete in lot) × (lot pay factor) × (unit price per ton) × (smoothness pay factor) = payment for lot

PROFILOGRAPH AVERAGE PROFILE INDEX SMOOTHNESS PAY FACTOR

Inches/miles per 1/10 mile	Short Sections	Pay Factor
0.0 - 7	00.0 - 15.0	100%
7.1 - 9	15.1 - 16	98%
9.1 - 11	16.1 - 17	96%
11.1 - 13	17.1 - 18	94%
13.1 - 14	18.1 - 20	92%
14.1 - 15	20.1 - 22	90%
15.1 and up	22.1 and up	Corrective work required[1]

[1] The Contractor shall correct pavement areas not meeting these tolerances by removing and replacing the defective work. If the Contractor elects to construct an overlay to correct deficiencies, the minimum thickness of the overlay should be at least three times the maximum aggregate size (approximately four (4) times the nominal maximum aggregate size). The corrective overlay shall not violate grade Criteria and butt joints shall be constructed by sawing and removing the original pavement in compliance with the thickness/ maximum aggregate size ratio. Skin patching shall not be permitted.

Other Materials – Payment for accepted other materials, such as, prime coat, tack coat, paint, fences, gates, drainage features and electrical features, will be measured in place and paid for at unit prices bid.

IX. TEST RESULT DOCUMENTATION

IX. TEST RESULT DOCUMENTATION

A. Quality Control Tests and Inspections

The Contractor shall maintain current quality control records of all inspections and tests performed. These records shall include factual evidence that the required inspections or tests have been performed, including type and number of inspections or tests involved; results of inspections or tests; nature of defects, deviations, causes for rejection, etc.; proposed remedial action; and corrective actions taken.

These records must cover both conforming and defective or deficient features, and must include a statement that all supplies and materials incorporated in the work are in full compliance with the terms of the contract. Legible copies of these records shall be furnished to the Engineer daily. The records shall cover all work placed subsequent to the previously furnished records and shall be verified and signed by the Contractor's Program Administrator.

The Contractor shall be responsible for establishing a system which will record all quality control test results. Daily test reports shall document the following information:

(1) Technical specification item number and description;
(2) Test designation;
(3) Location;
(4) Date of test;
(5) Weather conditions;
(6) Control requirements;
(7) Test results;
(8) Causes for rejection;
(9) Recommended remedial actions; and
(10) Retests.

Test results from each day's work period shall be submitted to the Resident Engineer prior to the start of the next day's work period. The Contractor shall maintain statistical quality control charts. The daily test reports shall be signed by the responsible Quality Control Manager and the Contractor.

Each week the Contractor will provide Summary Reports to the Resident Engineer for testing on each product – subbase, base, pavement, etc.

Each Contractor Quality Control Manager shall maintain a daily log of all inspections performed for both Contractor and subcontractor operations on a form acceptable to the Project Engineer. These technician's daily reports shall provide factual evidence that continuous quality control inspections have been performed and shall, as a minimum, include the following:

(1) Technical specification item number and description;

(2) Weather conditions;
(3) Compliance with approved submittals;
(4) Proper storage of materials and equipment;
(5) Proper operation of all equipment;
(6) Adherence to plans and technical specifications;
(7) Review of quality control tests;
(8) Safety inspection; and
(9) Test reports.

The daily inspection reports shall identify inspections conducted, results of inspections, location and nature of defects found, causes for rejection, and remedial or corrective actions taken or proposed.

The daily inspection reports shall be signed by the responsible Quality Control Manager and the Contractor. The Resident Engineer shall be provided at least one copy of each daily inspection report before the work starts on the following day of record.

B. Quality Assurance Tests and Inspections

The Resident Engineer shall maintain current quality assurance records of all inspections and tests performed. These records shall include factual evidence that the required inspections or tests have been performed, including type and number of inspections or tests involved; results of inspections or tests; nature of defects, deviations, causes for rejection, etc.; proposed remedial action; and corrective actions taken.

These records must cover both conforming and defective or deficient features, and must include a statement that all supplies and materials incorporated in the work are in full compliance with the terms of the contract.

Daily and weekly summary test reports will be prepared and furnished to Sponsor and Contractor.

The forms to be used for these records are included in this section of the Construction Management Plan.

C. Final Test Reports

After completion of the project and before final payment is made, all test data from the Contractor's Quality Control Testing for each material used on the project shall be summarized in tabular form and submitted to the Resident Engineer.

Copies of typical test reports for each item of work are attached.

Quality Assurance tests only shall be used in the determination of pay factors for any material or for acceptance or rejection of any portion of the work.

REINARD W. BRANDLEY - LOOMIS, CALIFORNIA

FIELD DENSITY TESTS & COMPACTION CONTROL

JOB NAME: _____ DATE: _____ DAY: _____

JOB NUMBER: _____ SOIL CLASSIFICATION: _____

	Test No.								
	Date of Test								
	Location (use back if needed)								
	Lift								
	Elevation								
A	Wet Soil - gm								
B	Sand, start - gm								
C	Sand, end - gm								
D	Vol. Ring - gm								
E	Sand, end + ring - gm (C + D)								
F	Sand in Hole - gm (B - E)								
G	Density Sand - lb/cu ft								
H	Wet Density - lb/cu ft (A/F) * G								
	Est. Moisture - %								
	Tare No.								
I	Wet Wt. + Tare								
J	Dry Wt. + Tare								
K	Wt. Water (I - J)								
L	Wt. Tare								
M	Wt. Dry Soil (J - L)								
N	Water - % (K/M)								
O	Dry Density - lb/cu ft [H/(1 + H)]								
P	Max Dry Density - lb/cu ft								
	Optimum Moisture - %								
	Relative Compaction - % [(O/P) x 100]								

Depth of Fill Remaining _____ REMARKS _____

Job Progress - % Completed _____ _____

Inspector _____ Time _____ Mileage _____

REINARD W. BRANDLEY * CONSULTING AIRPORT ENGINEER
FIELD ACCEPTANCE TESTING

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO 3-06-0144-27-2016

SUMMARY OF FIELD COMPACTION TEST RESULTS
(i.e. Crushed Aggreagate Base Course)

Test No.	Date	Northing	Easting	Elevation	Moisture Content (Percent)	Dry Density (pcf)	Maximum Dry Density (pcf)	Relative Compaction (percent)	Remarks
SPECIFICATION								*100% Min.*	

APPENDIX A2
TABLE NO.

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-27-2016

ASPHALTIC CONCRETE TEST SUMMARY

Date	Location			Lot No.	Sublot No.	Tonnage	Max. Density (pcf)	Relative Compaction (%)		Flow (0.01")	Stability (lbs.)	% Air Voids
	Area	Station	Offset					Mat	Joint			
SPECIFICATION								***96.3 Min.***	***93.3 Min.***	***8-18***	***1,800 Min.***	***2-5***

Madera Municipal Airport
Reconstruct General Aviation Apron Phase 2
AIP No. 3-06-0144-27-2016
Bituminous Surface Course Payment Schedule Calculations

L	2.0%	96.3%	93.3%	
U	5.0%			

Date	Lot-Sublot	Load	Sample Location	Lift	Stability	Air Voids	Mat Density	Joint Density
					Average			
					Std. Dev.			
					QL			
					QU			
					PL			
					PU			
					PWL			
					% Pay			
				Total	% Pay			

					Average			
					Std. Dev.			
					QL			
					QU			
					PL			
					PU			
					PWL			
					% Pay			
				Total	% Pay			

					Average			
					Std. Dev.			
					QL			
					QU			
					PL			
					PU			
					PWL			
					% Pay			
				Total	% Pay			

X. FINAL TEST AND QUALITY CONTROL REPORT

X. FINAL TEST AND QUALITY CONTROL REPORT

At the end of the project the Resident Engineer shall submit a final test and quality control report documenting the results of all tests performed both by the Contractor's Quality Control Program and the Sponsor's Quality Assurance Program. Those tests that failed or did not meet the applicable test standard shall be highlighted and corrective action/retesting noted. The report shall include the pay reductions applied or bonuses paid and justification for accepting any out-of-tolerance materials.

At the completion of the project the Engineer will submit a Final Engineer's Report and Record Drawings. The summary test results of all Quality Control and Quality Assurance testing will be included in this report. Included in this final report will be the following:

A. Scope of Work – Describing location, work constructed, and deleted work.

B. Engineering – Describing all engineering and inspection work. Shall include agreement date, amount, and FAA approval of any amendments.

C. Administrative – Describing all administrative work and costs.

D. Force Account/Change Order Work – Breakdown of all work performed and costs and FAA approval date.

E. Construction:

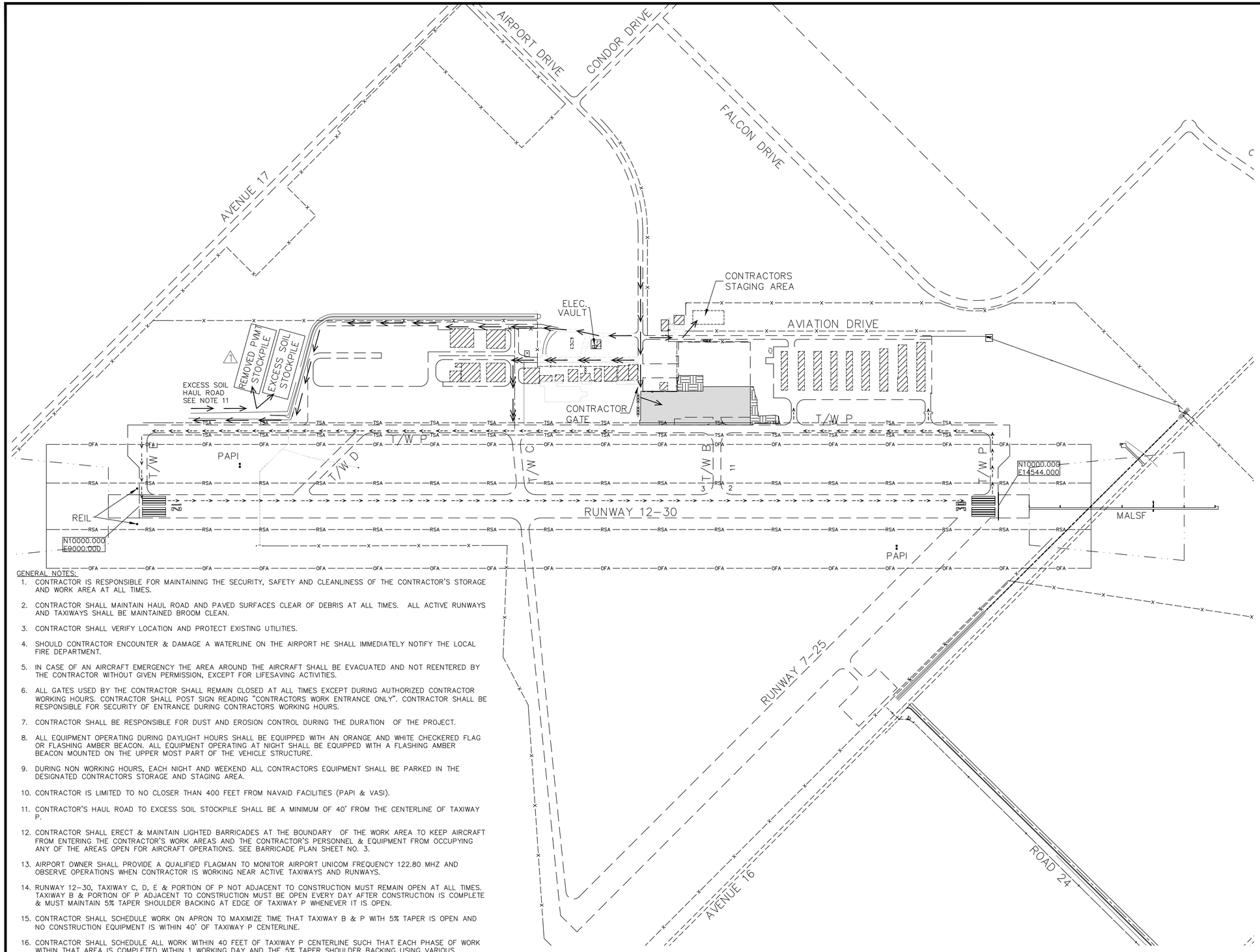
1. Summary of construction costs including as-bid, as-constructed, and any changes.
2. Narrative describing construction sequence, problems, and conditions.
3. Change orders and supplemental agreements.
4. Schedule information including dates for award, Notice to Proceed, contract time, and actual completion time.
5. Statement of compliance with labor clauses.
6. Completion:
    a. Final quantities
    b. Liquidated damages, if any
    c. As-built drawings
    d. Final inspection report
    e. Contractor statement that no further payment is due and subcontractors are paid in full and no liens exist or are pending.
    f. Updated Pavement Strength Survey (Form 5320-1)

F. Summary of Test Results:

1. Acceptance test summary sheets – both Quality Control and Quality Assurance.
2. Mix design summary.
3. Sponsor Certification of Testing Laboratories (F-1)

G. Summary of Project Costs – Final payment summary worksheet

H. Record Drawings



LEGEND

N10000.000 E14544.223	AIRPORT GRID COORDINATES
	EXISTING BUILDING
	NEW PAVEMENT THIS PROJECT
	GRADING THIS PROJECT
	R/W AND T/W CENTERLINE
	EXISTING PAVEMENT EDGES
	EXISTING FENCE LINE
RSA	RUNWAY SAFETY AREA
OFA	RUNWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
	RUNWAY PROTECTION ZONE
XXX XXX XXX XXX	BARRICADE
	HAUL ROAD
	AIRCRAFT ROUTE
	ARFF ROUTE

GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SECURITY, SAFETY AND CLEANLINESS OF THE CONTRACTOR'S STORAGE AND WORK AREA AT ALL TIMES.
2. CONTRACTOR SHALL MAINTAIN HAUL ROAD AND PAVED SURFACES CLEAR OF DEBRIS AT ALL TIMES. ALL ACTIVE RUNWAYS AND TAXIWAYS SHALL BE MAINTAINED BROOM CLEAN.
3. CONTRACTOR SHALL VERIFY LOCATION AND PROTECT EXISTING UTILITIES.
4. SHOULD CONTRACTOR ENCOUNTER & DAMAGE A WATERLINE ON THE AIRPORT HE SHALL IMMEDIATELY NOTIFY THE LOCAL FIRE DEPARTMENT.
5. IN CASE OF AN AIRCRAFT EMERGENCY THE AREA AROUND THE AIRCRAFT SHALL BE EVACUATED AND NOT REENTERED BY THE CONTRACTOR WITHOUT GIVEN PERMISSION, EXCEPT FOR LIFESAVING ACTIVITIES.
6. ALL GATES USED BY THE CONTRACTOR SHALL REMAIN CLOSED AT ALL TIMES EXCEPT DURING AUTHORIZED CONTRACTOR WORKING HOURS. CONTRACTOR SHALL POST SIGN READING "CONTRACTORS WORK ENTRANCE ONLY". CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF ENTRANCE DURING CONTRACTORS WORKING HOURS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL DURING THE DURATION OF THE PROJECT.
8. ALL EQUIPMENT OPERATING DURING DAYLIGHT HOURS SHALL BE EQUIPPED WITH AN ORANGE AND WHITE CHECKERED FLAG OR FLASHING AMBER BEACON. ALL EQUIPMENT OPERATING AT NIGHT SHALL BE EQUIPPED WITH A FLASHING AMBER BEACON MOUNTED ON THE UPPER MOST PART OF THE VEHICLE STRUCTURE.
9. DURING NON WORKING HOURS, EACH NIGHT AND WEEKEND ALL CONTRACTORS EQUIPMENT SHALL BE PARKED IN THE DESIGNATED CONTRACTORS STORAGE AND STAGING AREA.
10. CONTRACTOR IS LIMITED TO NO CLOSER THAN 400 FEET FROM NAVAID FACILITIES (PAPI & VASI).
11. CONTRACTOR'S HAUL ROAD TO EXCESS SOIL STOCKPILE SHALL BE A MINIMUM OF 40' FROM THE CENTERLINE OF TAXIWAY P.
12. CONTRACTOR SHALL ERECT & MAINTAIN LIGHTED BARRICADES AT THE BOUNDARY OF THE WORK AREA TO KEEP AIRCRAFT FROM ENTERING THE CONTRACTOR'S WORK AREAS AND THE CONTRACTOR'S PERSONNEL & EQUIPMENT FROM OCCUPYING ANY OF THE AREAS OPEN FOR AIRCRAFT OPERATIONS. SEE BARRICADE PLAN SHEET NO. 3.
13. AIRPORT OWNER SHALL PROVIDE A QUALIFIED FLAGMAN TO MONITOR AIRPORT UNICOM FREQUENCY 122.80 MHZ AND OBSERVE OPERATIONS WHEN CONTRACTOR IS WORKING NEAR ACTIVE TAXIWAYS AND RUNWAYS.
14. RUNWAY 12–30, TAXIWAY C, D, E & PORTION OF P NOT ADJACENT TO CONSTRUCTION MUST REMAIN OPEN AT ALL TIMES. TAXIWAY B & PORTION OF P ADJACENT TO CONSTRUCTION MUST BE OPEN EVERY DAY AFTER CONSTRUCTION IS COMPLETE & MUST MAINTAIN 5% TAPER SHOULDER BACKING AT EDGE OF TAXIWAY P WHENEVER IT IS OPEN.
15. CONTRACTOR SHALL SCHEDULE WORK ON APRON TO MAXIMIZE TIME THAT TAXIWAY B & P WITH 5% TAPER IS OPEN AND NO CONSTRUCTION EQUIPMENT IS WITHIN 40' OF TAXIWAY P CENTERLINE.
16. CONTRACTOR SHALL SCHEDULE ALL WORK WITHIN 40 FEET OF TAXIWAY P CENTERLINE SUCH THAT EACH PHASE OF WORK WITHIN THAT AREA IS COMPLETED WITHIN 1 WORKING DAY AND THE 5% TAPER SHOULDER BACKING USING VARIOUS MATERIALS IS IN PLACE AND THE TAXIWAY OPENED AT THE END OF THE WORKING DAY.
17. TAXIWAY P & B WILL BE CLOSED FROM AREA ADJACENT TO APRON WORK AREA WHEN CONSTRUCTION WORK IS PROCEEDING WITHIN 40 FT. FROM TAXIWAY P CENTERLINE AND SHALL BE OPEN AT ALL OTHER TIMES.
18. DURING PERIOD OF PORTION OF TAXIWAY P & B CLOSURE ALL AIRCRAFT WILL BACK TAXI ON RUNWAY FROM TAXIWAY C TO THE EAST END OF THE RUNWAY. AIRCRAFT FROM TEE HANGAR AREA WILL TAXI ON TAXIWAY P TO RUNWAY 30 AND BACK TAXI TO TAXIWAY C TO ACCESS FBO AND FUEL ISLAND.
19. WHENEVER PORTION OF TAXIWAY P & B IS CLOSED CONTRACTOR SHALL SCHEDULE CLOSURE 24 HOURS PRIOR TO BEGINNING OF CLOSURE WITH RESIDENT ENGINEER.
20. ⚠1 ALL TEMPORARY STOCKPILES WITHIN CONSTRUCTION LIMITS SHALL BE A MINIMUM OF 70' FROM THE CENTERLINE OF T/W P AND A MAXIMUM OF 6' HIGH. CONTRACTOR SHALL STOCKPILE ALL EXCESS EXCAVATION & REMOVED PAVEMENT IN DESIGNATED EXCESS SOIL STOCKPILE AND REMOVED PAVEMENT STOCKPILE.

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 · Loomis, California 95650 · (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER REINARD W. BRANDLEY No. C 71139 Exp. 6-30-2017 CIVIL STATE OF CALIFORNIA

4-22-16

No.	REVISIONS	BY	APR	DATE
1	ADDENDUM NO. 2	MSB	RWB	4/22/16

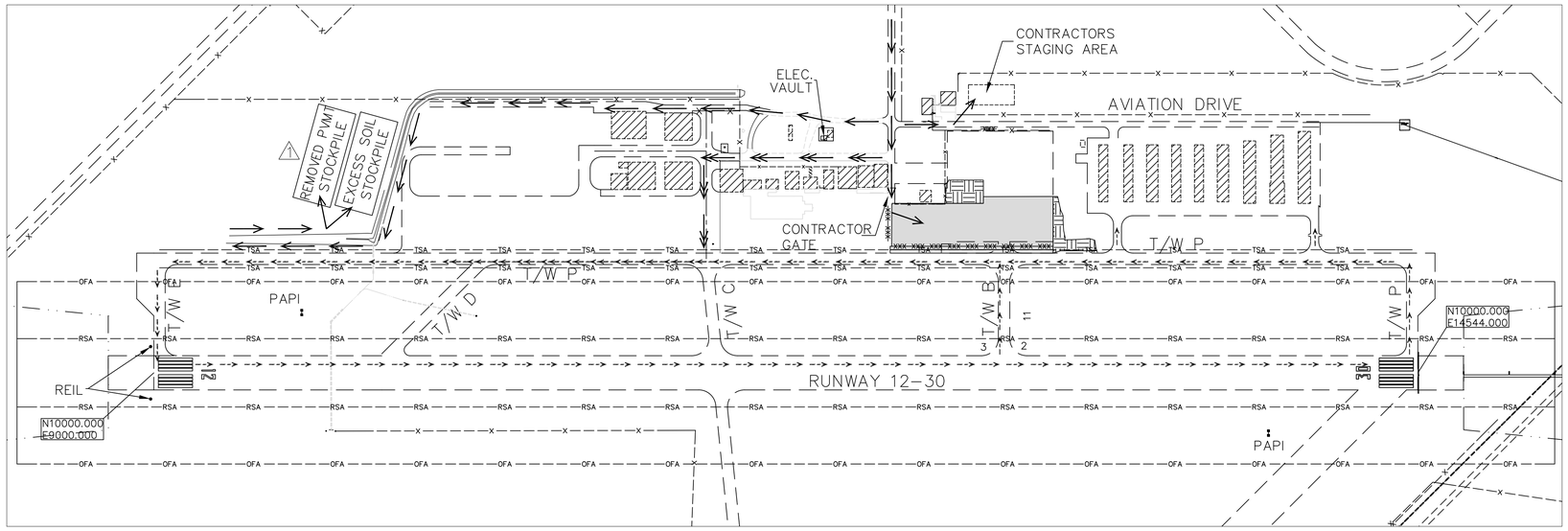
MADERA MUNICIPAL AIRPORT
MADERA CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

CONSTRUCTION SAFETY PLAN

DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s002&3.A2
SCALE	1"=300'
SHEET No.	2 OF 19

PLOTTED BY Melissa Brandley 4/25/2016 9:13 AM
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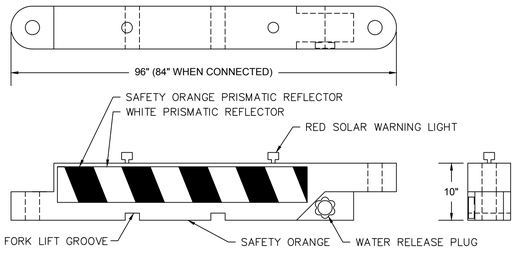


LEGEND

- N10000.000 E14544.223 — AIRPORT GRID COORDINATES
- EXISTING BUILDING
- NEW PAVEMENT THIS PROJECT
- GRADING THIS PROJECT
- R/W AND T/W CENTERLINE
- EXISTING PAVEMENT EDGES
- EXISTING FENCE LINE
- RUNWAY SAFETY AREA
- RUNWAY OBJECT FREE AREA
- TAXIWAY SAFETY AREA
- RUNWAY PROTECTION ZONE
- BARRICADE
- HAUL ROAD
- AIRCRAFT ROUTE
- ARFF ROUTE
- 11 — EXISTING SIGN TO BE COVERED & SIGN NUMBER

GRID NORTH

300 0 150 300
SCALE: 1"=300'



10" WATER-FILLED BARRICADE

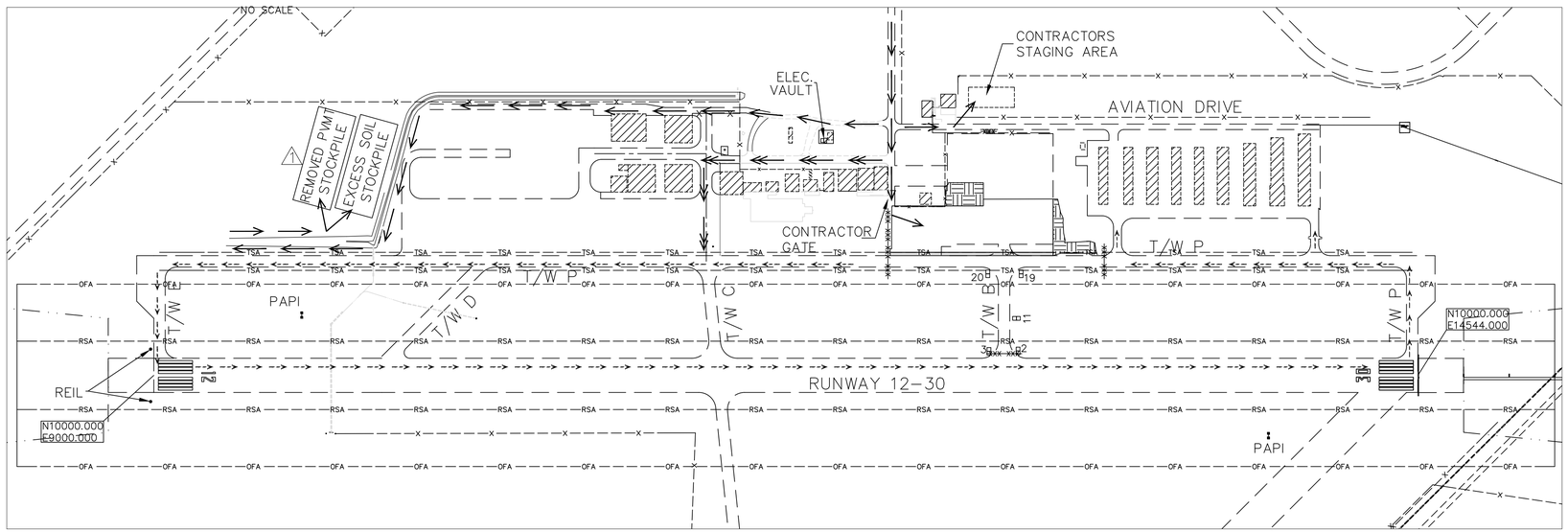
BARRICADE PLAN – FOR ALL WORK OUTSIDE TSA

NOTES:

1. BARRICADES SHALL BE PLASTIC WATER-FILLED LIGHTED BARRICADES. CROWDSTOPPER WATERCADE WC01-10 10" HIGH OR APPROVED EQUAL.
2. EACH BARRICADE SHALL HAVE 2 SOLAR-POWERED LIGHTS WITH RED LENSES EACH CONTROLLED BY PHOTOCELLS SUCH THAT THEY ARE ON AT NIGHT AND OFF BY DAY.
3. BARRICADES SHALL BE SECURED IF NECESSARY TO RESIST MOVEMENT FROM JET BLAST OR PROP BLAST.
4. AT THE COMPLETION OF CONSTRUCTION, ALL BARRICADES SHALL BE DRAINED OF WATER, DELIVERED TO THE AIRPORT MAINTENANCE BUILDING, AND OWNERSHIP OF THE BARRICADES AND LIGHTS TRANSFERRED TO THE TAHOE-TRUCKEE AIRPORT DISTRICT.

PHASING NOTES:

1. RUNWAY 12-30, TAXIWAY C, D, E & PORTION OF P NOT ADJACENT TO CONSTRUCTION MUST REMAIN OPEN AT ALL TIMES. TAXIWAY B & PORTION OF P ADJACENT TO CONSTRUCTION MUST BE OPEN EVERY DAY AFTER CONSTRUCTION IS COMPLETE & MUST MAINTAIN 5% TAPER SHOULDER BACKING AT EDGE OF TAXIWAY P WHENEVER IT IS OPEN.
2. CONTRACTOR SHALL SCHEDULE WORK ON APRON TO MAXIMIZE TIME THAT TAXIWAY B & P WITH 5% TAPER IS OPEN AND NO CONSTRUCTION EQUIPMENT IS WITHIN 40' OF TAXIWAY P CENTERLINE.
3. CONTRACTOR SHALL SCHEDULE ALL WORK WITHIN 40 FEET OF TAXIWAY P CENTERLINE SUCH THAT EACH PHASE OF WORK WITHIN THAT AREA IS COMPLETED WITHIN 1 WORKING DAY AND THE 5% TAPER SHOULDER BACKING USING VARIOUS MATERIALS IS IN PLACE AND THE TAXIWAY OPENED AT THE END OF THE WORKING DAY.
4. TAXIWAY P & B WILL BE CLOSED FROM AREA ADJACENT TO APRON WORK AREA WHEN CONSTRUCTION WORK IS PROCEEDING WITHIN 40 FT. FROM TAXIWAY P CENTERLINE AND SHALL BE OPEN AT ALL OTHER TIMES.
5. DURING PERIOD OF PORTION OF TAXIWAY P & B CLOSURE ALL AIRCRAFT WILL BACK TAXI ON RUNWAY FROM TAXIWAY C TO THE EAST END OF THE RUNWAY. AIRCRAFT FROM TEE HANGAR AREA WILL TAXI ON TAXIWAY P TO RUNWAY 30 AND BACK TAXI TO TAXIWAY C TO ACCESS FBO AND FUEL ISLAND.
6. WHENEVER PORTION OF TAXIWAY P & B IS CLOSED CONTRACTOR SHALL SCHEDULE CLOSURE 24 HOURS PRIOR TO BEGINNING OF CLOSURE WITH RESIDENT ENGINEER.



BARRICADE PLAN – FOR ALL WORK IN TSA

CLOSED FACILITY SIGNAGE TABLE

SIGN NO.	SIGN SIZE	EXISTING SIGN LEGEND		
		FRONT	BACK	CLOSURE STAGE
2	1		← B	IN TSA
3	1	← B		IN TSA
11	1	B	B 30-12	IN TSA
19	1		P | B →	IN TSA
20	1	P | B →		IN TSA

SIGN NOTES:

1. ALL SIGN PANELS TO BE COVERED SHALL BE COVERED IN SUCH A WAY THAT THE PANEL IS NOT VISIBLE DURING DAY OR NIGHT OPERATIONS. COVERS SHALL BE SECURED TO SIGN TO RESIST PROP BLAST AND WEATHER CONDITIONS.
2. ALL SIGN COVERS SHALL BE APPROVED IN THE FIELD BY RESIDENT ENGINEER.

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 · Loomis, California 95650 · (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER — REINARD W. BRANDLEY — No. C 71139 — Exp. 6-30-2017 — CIVIL — STATE OF CALIFORNIA — 4-22-16

No.	REVISIONS	BY	APR	DATE
1	ADDENDUM NO. 2	MSB	RWB	4/22/16

MADERA MUNICIPAL AIRPORT
MADERA CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

BARRICADE LAYOUT PLAN

DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s002&3.A2
SCALE	1"=300'
SHEET No.	3 OF 19

PLOTTED BY Melissa Brandley 4/25/2016 9:14 AM
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REMOVE EXISTING PULL BOX

REMOVE EXIST. FLOODLIGHT (1) SEE SHEET NO. 13
REMOVE EXIST. FLOODLIGHT FOUNDATION & PULL BOX

REMOVE EXISTING WOODEN POLE

ABANDONE EXIST. 1W-2" DUCT CAP ENDS

REMOVE EXISTING FENCE (1) SEE NOTE 3

CLEAR & GRUBB EXISTING LAWN SEE NOTE 1

INSTALL TEMPORARY 4' CHAIN LINK FENCE SEE NOTE 3

REMOVE EXIST. WOOD BOLLARDS (TYP.)

REMOVE EXISTING TIEDOWN ANCHOR (TYP.) NUMBER OF TIEDOWNS SHOWN ARE APPROXIMATE. EXACT NUMBER MAY VARY.

PROTECT EXIST. TREES & ROOT SYSTEM (TYP.)

CLEAR & GRUBB EXISTING LAWN SEE NOTE 1

EXIST. SPRINKLER VALVE TO BE REMOVED AS NEEDED (TYP.). DELIVER VALVES TO THE AIRPORT

REMOVE EXIST. PCC BASE

REMOVE EXISTING 12" RCP & EXIST. DROP INLET

REMOVE EXIST. PCC PLANTER BOX
REMOVE EXIST. CACTUS PLANTS
REMOVE EXIST. COBBLES

CLEAR & GRUBB EXISTING LAWN SEE NOTE 1

REMOVE EXISTING 12" RCP PLUG END SEE DETAIL SHEET NO. 12

CLEAR & GRUBB EXISTING LAWN SEE NOTE 1

PROTECT EXIST. T/W LIGHT, DUCT & CABLE

REMOVE EXIST. SIZE D HANDHOLE

PROTECT EXIST. 2W-3" BORED DUCT

TAXIWAY P

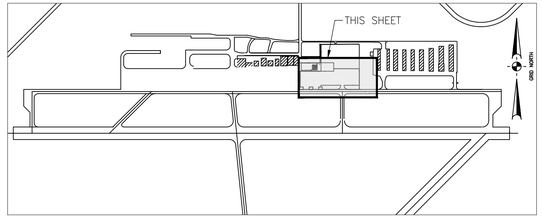
TAXIWAY B

REMOVE EXISTING T/W LIGHT BASE
DELIVER EXIST. T/W LIGHT & TRANSFORMER TO AIPRORT
REMOVE EXIST. T/W LIGHT DUCT & CABLE (TYP.) SEE NOTE 2

CAP EXIST. IRRIGATION LINE SEE NOTE 1

LEGEND

N9738.46 E13727.35	AIRPORT GRID COORDINATE
10.00	FINISHED GRADE ELEVATION
	RECONSTRUCTION SECTION
	CENTERLINE
	EX EDGE OF PAVEMENT
	NEW EDGE OF PAVEMENT
	MATCH EXISTING GRADE
	EX FENCE
	EXISTING STORM DRAIN
	EX IRRIGATION LINE & SPRINKL
	EX 1W-2" TYPE I DUCT
	EX 1W-2" TYPE II DUCT
	EXISTING CABLE (1)
	EXISTING T/W LIGHT TO BE REMOVED (1)
	EX TAXIWAY LIGHT TO REMAIN
	EX ELECTRICAL HANDHOLE
	NEW ELECTRICAL HANDHOLE
	EX TAXIWAY GUIDANCE SIGN
	EX FLOODLIGHT
	EXISTING TIEDOWN TO BE REMOVED
	EXISTING BOLLARD TO REMAIN
	EXISTING BOLLARD TO BE REMOVED
	EXISTING SPRINKLER VALVE



LOCATION MAP

NOTES:

1. EXISTING LAWN HAS A SPRINKLER SYSTEM. CONTRACTOR SHALL REMOVE EXISTING SPRINKLERS AND VALVES WITHIN CONSTRUCTION AREA & DELIVER TO AIRPORT. CONTRACTOR SHALL REMOVE EXISTING IRRIGATION LINES IN THE CONSTRUCTION AREA. CONTRACTOR SHALL CAP END OF EXISTING IRRIGATION LINES AS NECESSARY TO MAINTAIN EXISTING IRRIGATION SYSTEM IN OPERATION. LOCATION OF IRRIGATION LINES SHOWN IS APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION IN FIELD.

(1) 2. EXISTING TAXIWAY LIGHT CIRCUIT MUST BE OPERATIONAL EACH NIGHT. CONTRACTOR MAY PLACE TEMPORARY CABLE ON GROUND SURFACE TO MAINTAIN CIRCUIT IN OPERATION. TEMPORARY CABLE SHALL BE ANCHORED TO GROUND & PROTECTED FROM DAMAGE. NO EXTRA PAYMENT FOR TEMPORARY CABLING.

(1) 3. AFTER REMOVAL OF EXISTING FENCE, CONTRACTOR SHALL INSTALL A TEMPORARY FENCE ALONG THE TOP OF THE BANK TO MAINTAIN AIRPORT SECURITY DURING CONSTRUCTION. LOCATION OF THE FENCING SHALL BE APPROVED BY ENGINEER. TEMPORARY FENCE SHALL BE A MINIMUM OF 4' HIGH AND CONSTRUCTED TO RESIST WIND AND WEATHER CONDITIONS. TEMPORARY FENCE SHALL BE REMOVED AT CONCLUSION OF PROJECT AND ANY TEMPORARY FENCE POST HOLES FILLED. CONTRACTOR SHALL PROTECT EXISTING LAWN AND SPRINKLER SYSTEM. PAYMENT FOR TEMPORARY FENCING SHALL BE INCLUDED IN MARKING AND LIGHTING OF CLOSED AIRPORT FACILITIES.

GRID NORTH

30 0 15 30
SCALE: 1"=30'

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 · Loomis, California 95650 · (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER MELISSA S. BRANDLEY No. C 71139 Exp. 6-30-17 CIVIL STATE OF CALIFORNIA 4-13-16

No.	REVISIONS	BY	APR	DATE
2	ADDENDUM NO. 2	MSB	RWB	4/13/16

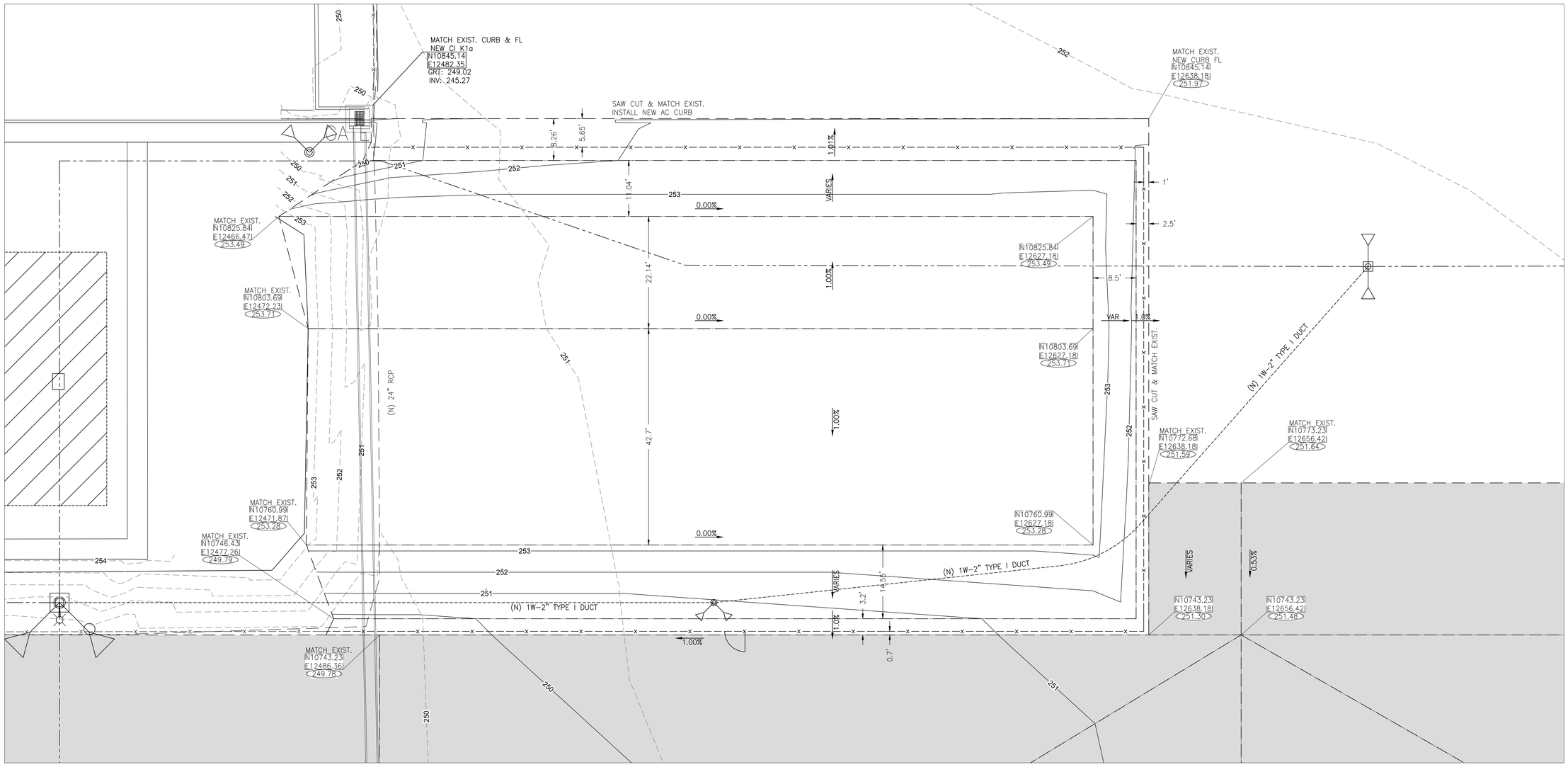
MADERA MUNICIPAL AIRPORT MADERA CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

DEMOLITION PLAN

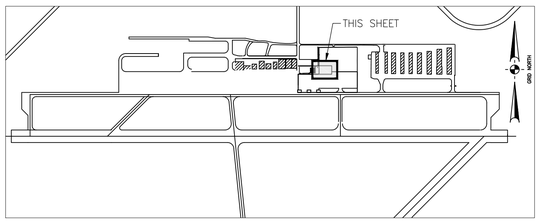
DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s005.A2
SCALE	1"=30'
SHEET No.	5 OF 19

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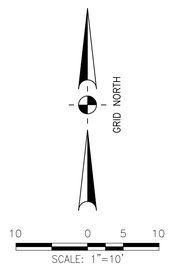
LEGEND

- N9738.46 E13727.35 — AIRPORT GRID COORDINATE
- 10.00 — FINISHED GRADE ELEVATION
- RECONSTRUCTION SECTION
- CENTERLINE
- EX EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- MATCH EXISTING GRADE
- GRADE BREAK
- EX FENCE
- NEW FENCE
- EXISTING STORM DRAIN
- NEW STORM DRAIN
- EXISTING DROP INLET
- NEW DROP INLET
- EX IRRIGATION LINE & SPRINKL
- EX 1W-2" TYPE I DUCT
- EX 1W-2" TYPE II DUCT
- NEW 1W-2" TYPE I DUCT
- 3418 — FINISHED GRADE CONTOUR
- 3418 — EXISTING GRADE CONTOUR
- EX TAXIWAY LIGHT
- EX ELECTRICAL HANDHOLE
- NEW ELECTRICAL HANDHOLE
- EX TAXIWAY GUIDANCE SIGN
- EX FLOODLIGHT
- NEW OR RELOCATED FLOODLIGH



LOCATION MAP

NOTES:
1. ALL EXISTING AC & AB IN FUTURE DEVELOPMENT AREA SHALL BE REMOVED AND PLACED IN DESIGNATED REMOVED PAVEMENT STOCKPILE AREA.



Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 - Loomis, California 95650 - (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER — MELISSA S. BRANDLEY — No. C 71139 — Exp. 6-30-17 — CIVIL — STATE OF CALIFORNIA — 4-13-16

No.	REVISIONS	BY	APR	DATE
1	ADDENDUM NO. 2	MSB	RWB	4/13/16

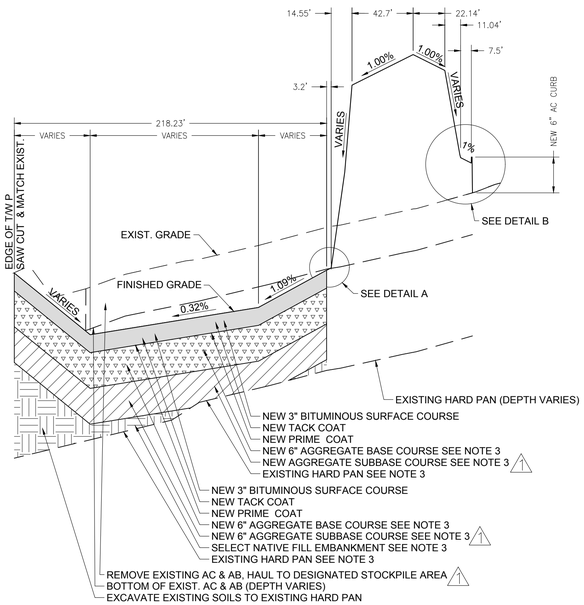
MADERA MUNICIPAL AIRPORT
MADERA CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

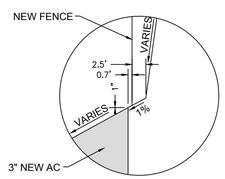
FUTURE DEVELOPMENT AREA GRADING PLAN

DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s007.A2
SCALE	1"=10'
SHEET No.	7 OF 19

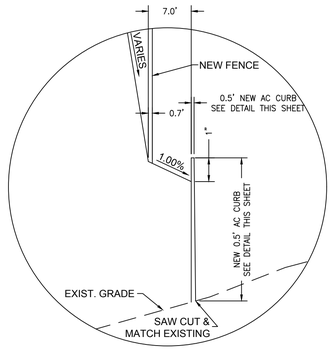
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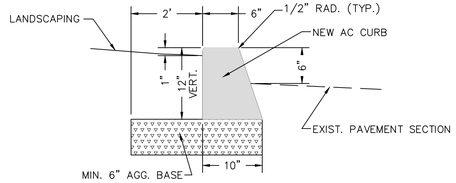
SECTION A-A
NO SCALE



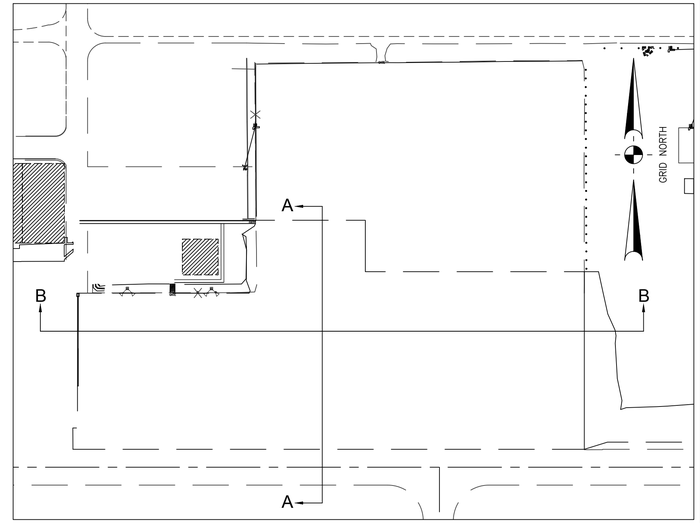
DETAIL A
NO SCALE



DETAIL B
NO SCALE



NEW AC CURB
NO SCALE



LOCATION MAP
NO SCALE

NOTES:

1. THE RECORD DRAWINGS INDICATE THE EXISTING PAVEMENT SECTION ON THE APRON CONSISTS OF 2" INCHES OF BITUMINOUS SURFACE COURSE & 4"–6" OF EXISTING AGGREGATE BASE COURSE. THE NATURAL SOIL CONSISTS OF LOOSE SILTY SANDS OR SANDY SILTS FOR A DEPTH OF 1 TO 3 FEET BELOW EXISTING GRADE, AT WHICH GRADE A HARDPAN LAYER CONSISTING OF CEMENTED SAND WAS ENCOUNTERED IN THE TEST HOLES.

2. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT SECTION (AC & AB), & DISPOSE OF IN DESIGNATE REMOVED PAVEMENT STOCKPILE AREA. EXISTING PAVEMENT REMOVAL MATERIALS SHALL NOT BE CONTAMINATED WITH UNDERLYING NATIVE SOIL. AS BUILTS INDICATE EXISTING PAVEMENT SECTION CONSISTS OF 2" OF BITUMINOUS SURFACE COURSE & 4"–6"" OF EXISTING AGGREGATE BASE COURSE. EXISTING PAVEMENT SECTION MAY VARY FROM AS BUILT INFORMATION.

3. IN THE NEW PAVEMENT SECTION THE FOLLOWING PROCEDURES SHALL BE FOLLOWED.

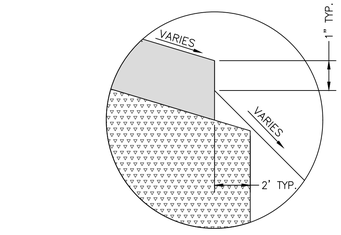
   3.1. IF HARDPAN EXISTS WITHIN THE NEW AGGREGATE BASE COURSE LAYER, THE HARDPAN SHALL BE REMOVED TO THE ELEVATION OF THE BOTTOM OF THE NEW AGGREGATE BASE COURSE.

   3.2. IF HARDPAN EXISTS WITHIN THE AGGREGATE SUBBASE COURSE LAYER, CONTRACTOR SHALL STOP ALL EXCAVATION AT HARDPAN AND PLACE AGGREGATE SUBBASE COURSE AS SHOWN ON THE PLAN.

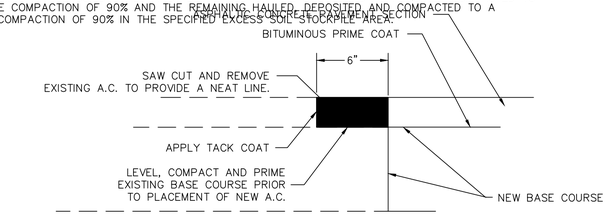
   3.3. IF HARD PAN EXISTS BELOW THE 6" AGGREGATE SUBBASE COURSE LAYER, CONTRACTOR SHALL EXCAVATE ALL LOOSE SOILS TO SURFACE OF HARD PAN LAYER. THE EXISTING SOILS REMOVED SHALL BE PROCESSED TO REDUCE THE MOISTURE CONTENT TO OPTIMUM AND THEN PLACED & COMPACTED TO 95% RELATIVE COMPACTION. AT CONTRACTOR'S OPTION, EXISTING SOILS REMOVED CAN BE PLACED IN EXCESS SOIL STOCKPILE AREA AND DRIER MATERIAL FROM THE EXCESS SOIL STOCKPILE AREA PLACED IN APRON SECTION.

   3.4. IF HARD PAN IS NOT FOUND OR MORE THAN 2' BELOW BOTTOM OF NEW AGGREGATE SUBBASE COURSE, CONTRACTOR SHALL EXCAVATE TO 12"–24" BELOW BOTTOM OF NEW AGGREGATE SUBBASE COURSE, PLACE A GEOGRID TENSAR TRIAX TX140 FABRIC AND THEN PLACE AGGREGATE SUBBASE COURSE COMPACTED TO 95% RELATIVE COMPACTION AS SHOWN IN DETAIL THIS SHEET.

4. THE REMAINING NATIVE SOILS SHALL FIRST BE PLACED ON THE SHOULDERS AS REQUIRED COMPACTED TO A RELATIVE COMPACTION OF 90% AND THE REMAINING HAULED, DEPOSITED AND COMPACTED TO A RELATIVE COMPACTION OF 90% IN THE SPECIFIED EXCESS SOIL STOCKPILE AREA.



TYPICAL EDGE OF PAVEMENT DETAIL
NO SCALE

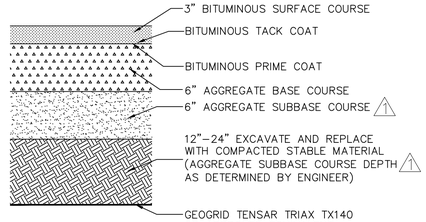


MATCH EXISTING PAVEMENT SECTION
NO SCALE

1. REMOVAL OF EXISTING A.C. SHALL NOT OCCUR UNTIL THE PLACEMENT OF NEW BASE COURSE HAS BEEN COMPLETED.

2. CONTRACTOR SHALL PROTECT SAW CUT FACE FROM DAMAGE. DAMAGED AREAS SHALL BE SAW CUT MAINTAINING A CONTINUOUS STRAIGHT EDGE AT THE CONTRACTORS EXPENSE.

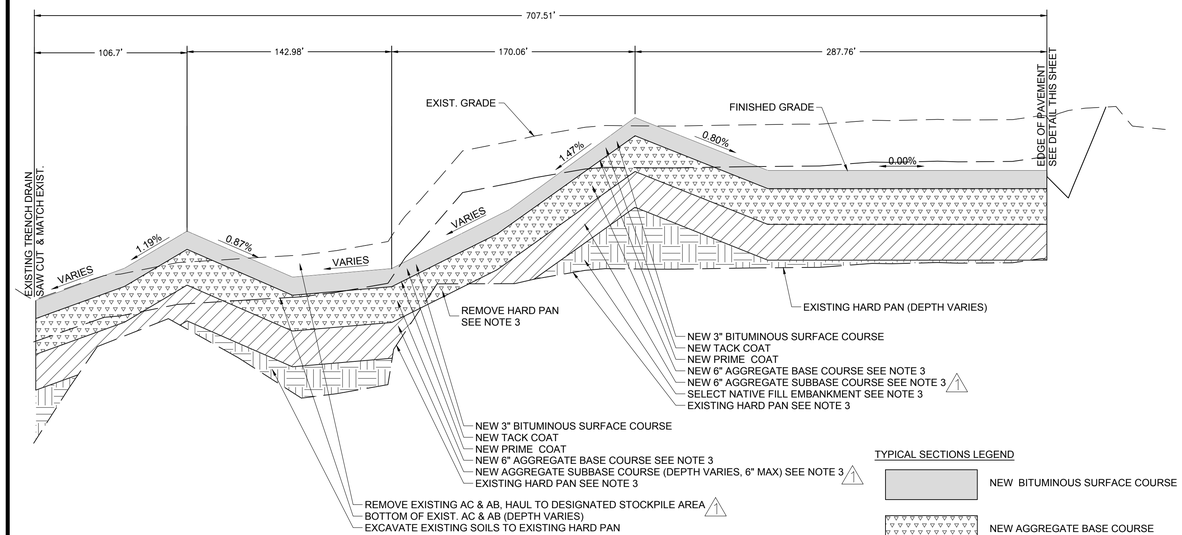
1 3. SAW CUTTING IS CONSIDERED INCIDENTAL TO PAVEMENT REMOVAL. NO EXTRA PAYMENT SHALL BE MADE FOR SAW CUTTING EXISTING AC.



NOTES:

1. SUBGRADE STABILIZATION SECTION SHALL BE USED WHEN HARD PAN DOES NOT EXIST OR IS FOUND AT DEPTH OF MORE THAN 2' BELOW BOTTOM OF AGGREGATE SUBBASE COURSE. 1
2. EXTENT AND LOCATIONS OF POTENTIALLY UNSTABLE SUBGRADE AREA IS UNKNOWN.
2. AREAS TO BE STABILIZED, IF ANY , SHALL BE DESIGNATED BY ENGINEER AS WORK PROGRESSES.

SUBGRADE STABILIZATION SECTION
NO SCALE



SECTION B-B
NO SCALE

TYPICAL SECTIONS LEGEND

- NEW BITUMINOUS SURFACE COURSE
- NEW AGGREGATE BASE COURSE
- NEW AGGREGATE SUBBASE COURSE 1
- SELECT NATIVE FILL EMBANKMENT SEE NOTE 3

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 · Loomis, California 95650 · (916) 652-4725

ENGINEER OF RECORD

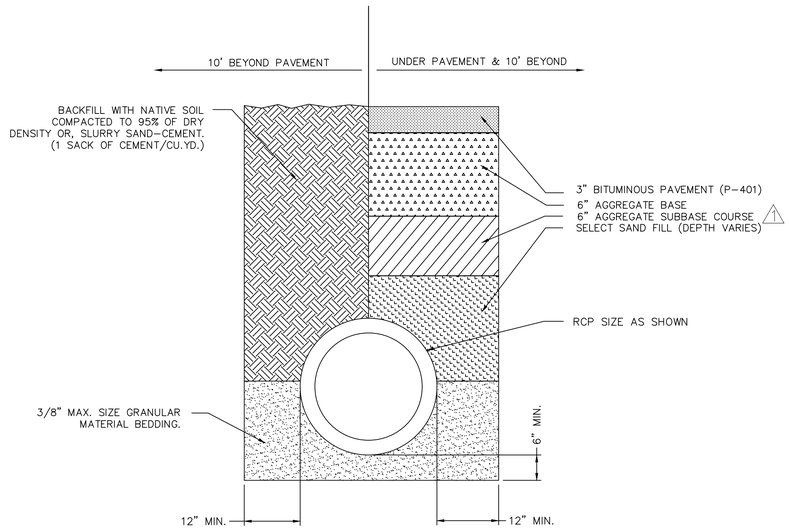
REGISTERED PROFESSIONAL ENGINEER · REINARD W. BRANDLEY · No. C 71139 · Exp. 6-30-17 · CIVIL · STATE OF CALIFORNIA · 4-13-16

No.	REVISIONS	BY	APR	DATE
1	ADDENDUM NO. 2	MSB	RWB	4/13/16

MADERA MUNICIPAL AIRPORT
MADERA CALIFORNIA
RECONSTRUCT GENERAL AVIATION APRON PHASE 2
TYPICAL SECTIONS

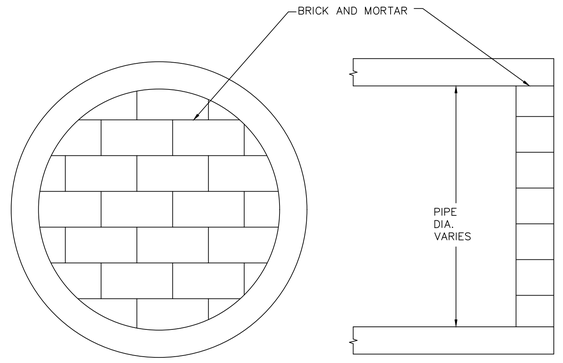
DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s008.A2
SCALE	NO SCALE
SHEET No.	8 OF 19

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TYPICAL PIPE TRENCH DETAIL

NO SCALE



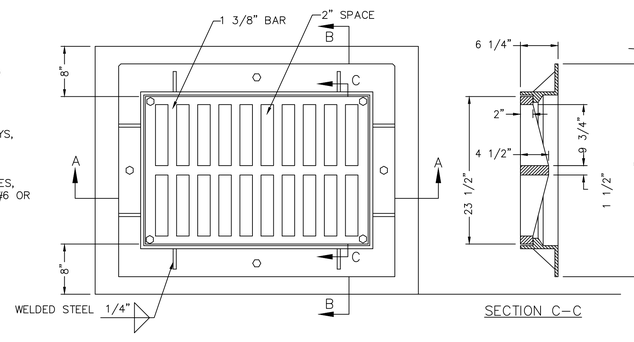
PIPE PLUG DETAIL

NO SCALE

TYPE "P" DROP INLET NOTES

1. STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL BE GALVANIZED AFTER FABRICATION.
2. FRAME AND GRATE SHALL BE MATCH MARKED AND FITTED TO PREVENT ROCKING.
3. NO CONSTRUCTION JOINTS ARE TO BE USED UNLESS APPROVED BY ENGINEER.
4. CONCRETE IS TO BE CLASS "A" F.A.A. SPECIFICATION P-610, 3000 P.S.I. AT 28 DAYS, WITH 3 TO 5% ENTRAINED AIR.
5. WHEN THE DEPTH OF INLET EXCEEDS 4'-6", STEPS WILL BE REQUIRED.
6. WHEN "A" OR "B" DISTANCE EXCEEDS 6 INCHES, THE TOP SLAB SHALL BE REINFORCED WITH #6 OR #7 AT 6" O.C. B W TOP AND BOTTOM.
7. AN ALTERNATE GRATE TO THAT SHOWN IS A NEENAH FOUNDRY GRATE R3475 OR APPROVED EQUIVALENT AND SHALL MEET THE FOLLOWING REQUIREMENTS:
   A. MINIMUM GRATE OPEN AREA 2.7 SQ. FT.
   B. ULTIMATE LOAD CAPACITY 100,000 LB.

   THE INLET SIZE SHALL BE MODIFIED TO MEET GRATE REQUIREMENTS AT NO COST TO THE OWNER.



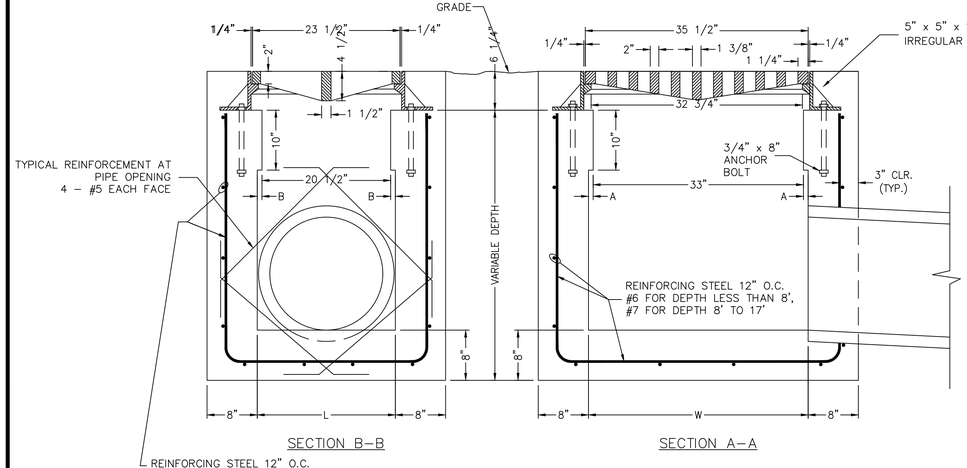
SECTION C-C



NOTES:
1. DECK DETAIL SHOWN SHALL BE USED FOR TYPE P DROP INLETS WHERE "A" OR "B" DIMENSION EXCEEDS 6 INCHES.

DECK DETAIL

NO SCALE



SECTION B-B

SECTION A-A

TYPE "P" DROP INLET AND GRATE

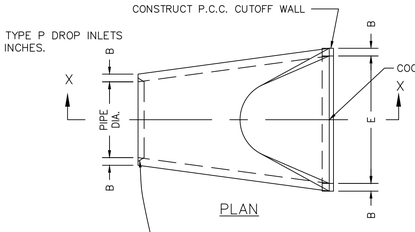
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TABLE OF DIMENSIONS

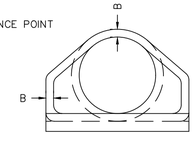
INLET	W	L	A	B
K1	3'-6"	3'-6"	0'-4.5"	0'-10.75"
K2	3'-6"	3'-6"	0'-4.5"	0'-10.75"

CURB INLET NOTES:

1. CURB INLET K1a SHALL CONFORM TO CITY OF MADERA STANDARD ST-18.
2. RECONSTRUCT EXISTING SIDEWALK AROUND NEW CURB INLET AS NEEDED. SIDEWALK SECTION SHALL BE 4" PCC, 6" AB. NO EXTRA PAYMENT FOR RECONSTRUCTING SIDEWALK.

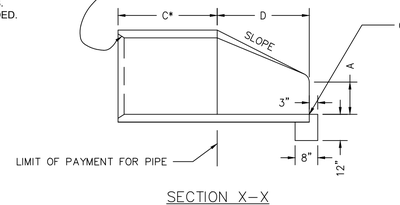


PLAN



END VIEW

*C DIMENSION SHALL BE AS DESIRED BY MANUFACTURER AND WILL BE PAID FOR AT THE PRICE PAID FOR CONCRETE PIPE.



SECTION X-X

MINIMUM DIMENSIONS						
PIPE DIA.	A	B	C*	D	E	SLOPE
12"	4"	2"		2'-0"	2'-0"	2:1 OR LESS

PRECAST CONCRETE FLARED END SECTION TYPE A

NO SCALE

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 - Loomis, California 95650 - (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER MELISSA S. BRANDLEY No. C 71139 Exp. 6-30-17 CIVIL STATE OF CALIFORNIA 4-13-16

No.	REVISIONS	BY	APR	DATE
1	ADDENDUM NO. 2	MSB	RWB	4/13/16

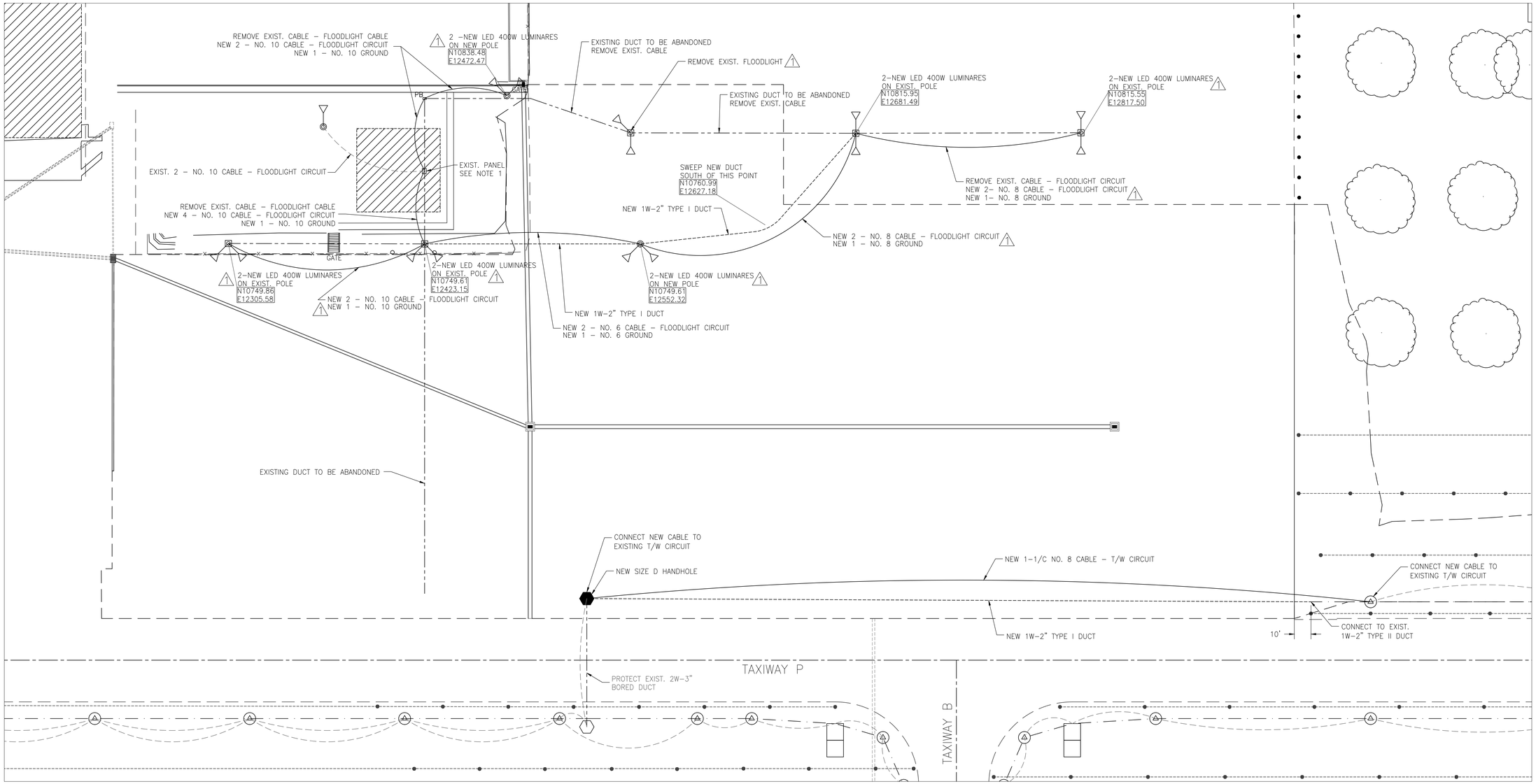
MADERA MUNICIPAL AIRPORT
MADERA CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

DRAINAGE DETAILS

DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s010thru12.A2
SCALE	1"=30'
SHEET No.	12 OF 19

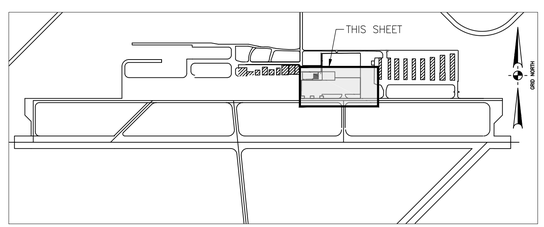
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LEGEND

- N9738.46 E13727.35 — AIRPORT GRID COORDINATE
- 10.00 — FINISHED GRADE ELEVATION
- RECONSTRUCTION SECTION
- CENTERLINE
- EX EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- MATCH EXISTING GRADE
- EXISTING STORM DRAIN
- NEW STORM DRAIN
- EXISTING DROP INLET
- NEW DROP INLET
- EX IRRIGATION LINE & SPRINKLER
- EX 1W–2" TYPE I DUCT
- EX 1W–2" TYPE II DUCT
- NEW 1W–2" TYPE I DUCT
- NEW CABLE SIZE & TYPE AS SHOWN
- EX TAXIWAY LIGHT
- EX ELECTRICAL HANDHOLE
- NEW ELECTRICAL HANDHOLE
- EX TAXIWAY GUIDANCE SIGN
- EX FLOODLIGHT
- NEW OR RELOCATED FLOODLIGHT

NOTES:
1. CONTRACTOR SHALL FURNISH AND INSTALL 2 NEW 2 POLE, 30W BREAKERS IN EXISTING ELECTRICAL PANEL.



LOCATION MAP

GRID NORTH

30 0 15 30

SCALE: 1"=30'

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 · Loomis, California 95650 · (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER MELISSA S. BRANDLEY No. C 71139 Exp. 6-30-17 CIVIL STATE OF CALIFORNIA 4-13-16

No.	REVISIONS	BY	APR	DATE
2	ADDENDUM NO. 2	MSB	RWB	4/13/16

MADERA MUNICIPAL AIRPORT CALIFORNIA
MADERA

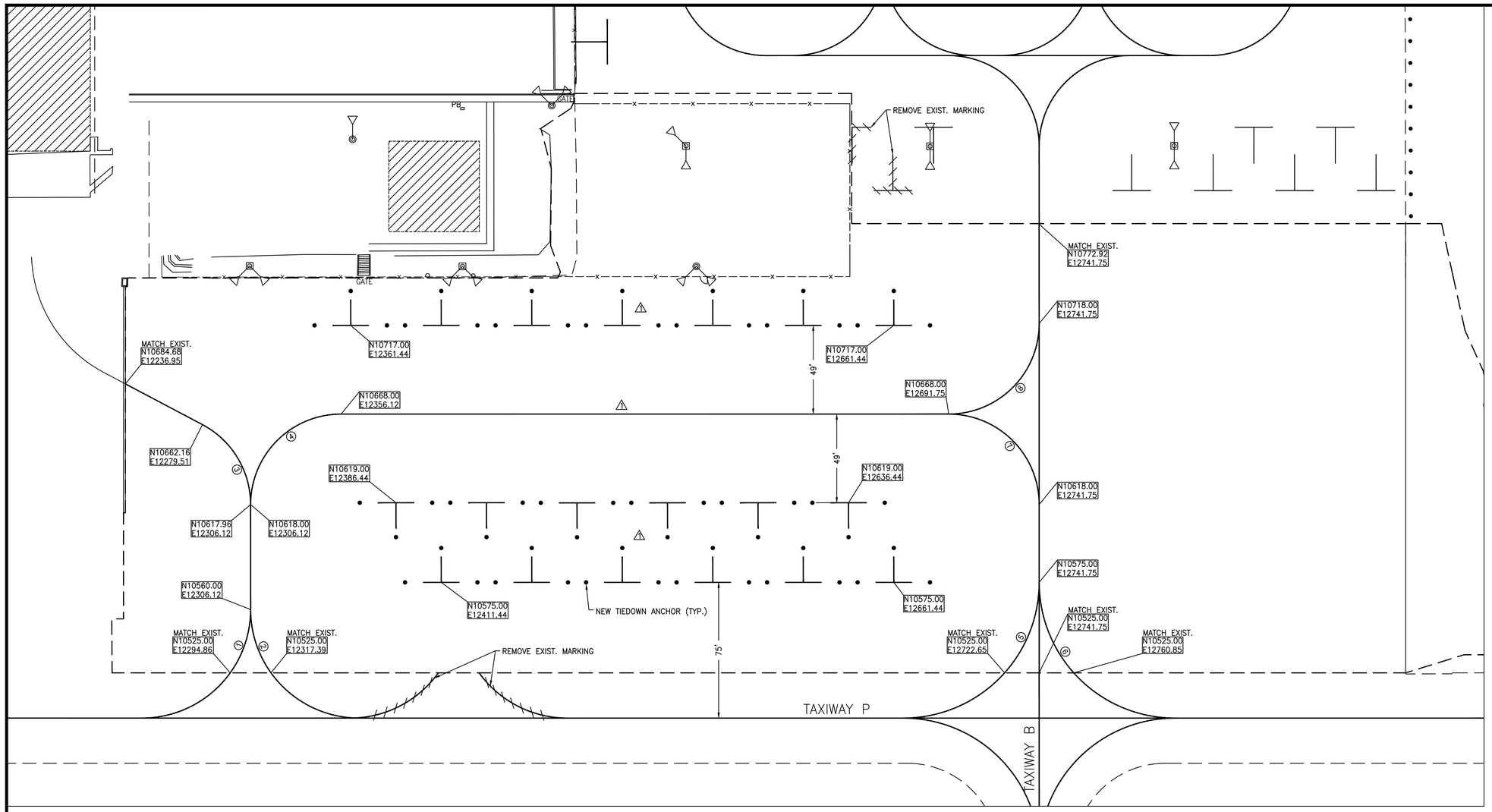
RECONSTRUCT GENERAL AVIATION APRON PHASE 2

ELECTRICAL DUCT & WIRING PLAN

DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s013&14.A2
SCALE	1"=30'
SHEET No.	13 OF 19

PLOTTED BY Melissa Brandley 4/25/2016 9:15 AM

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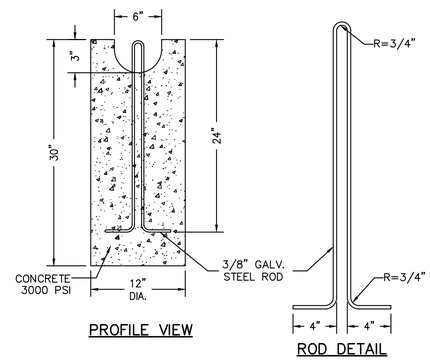


LEGEND

- N9738.46 / E13727.35 — AIRPORT GRID COORDINATE
- <10.00> — FINISHED GRADE ELEVATION
- RECONSTRUCTION SECTION
- CENTERLINE
- EX EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- MATCH EXISTING GRADE
- EX FENCE
- NEW FENCE
- EXISTING MARKING TO REMAIN
- EXISTING MARKING TO BE REMOVED
- NEW MARKING
- NEW TIEDOWN ANCHOR
- EX FLOODLIGHT
- NEW OR RELOCATED FLOODLIGHT

30 0 15 30
SCALE: 1"=30'

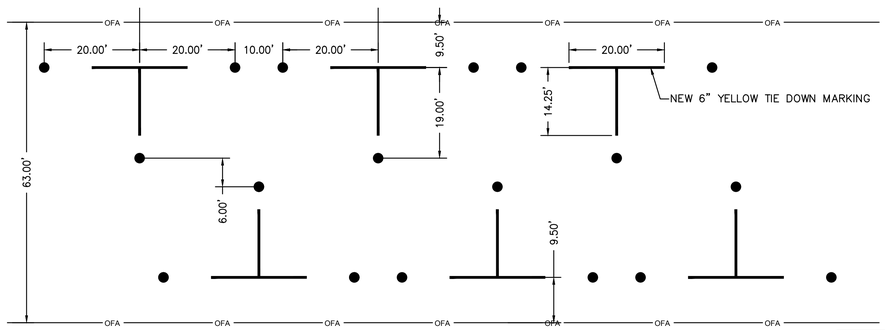
GRID NORTH



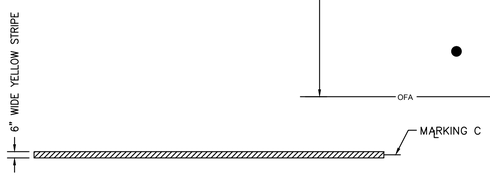
PROFILE VIEW

ROD DETAIL

TIE DOWN ANCHOR DETAIL
NO SCALE

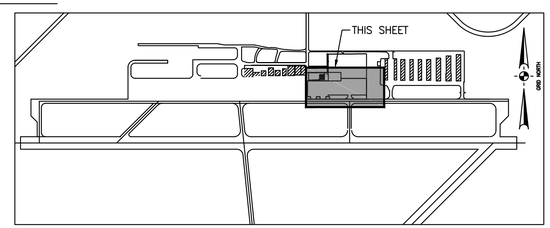


TIE DOWN DETAIL ⚠
NO SCALE



APRON CENTERLINE DETAIL
ASPHALT PAVEMENT AREA (AC)

CURVE DATA TABLE ⚠					
CURVE	LENGTH	RADIUS	Δ	NORTHING	EASTING
1	37.370'	60.00'	35°41'07.20"	10560.000	12246.122
2	37.370'	60.00'	35°41'07.20"	10560.000	12366.122
3	54.204'	50.00'	62°06'49.16"	10617.963	12256.122
4	78.540'	50.00'	90°00'00.00"	10618.000	12356.122
5	54.730'	75.00'	41°48'37.13"	10575.000	12666.752
6	54.730'	75.00'	41°48'37.13"	10575.000	12816.752
7	78.540'	50.00'	90°00'00.00"	10618.000	12691.752
8	78.540'	50.00'	90°00'00.00"	10718.000	12691.752



LOCATION MAP

NOTES:

1. ASPHALTIC CONCRETE PAVEMENT SHALL BE REMOVED BY CORING MACHINE ONLY TO PROVIDE CLEAN STRAIGHT EDGE AT HOLE PERIMETER.
2. CONTRACTOR SHALL NOT RAISE PERIMETER OF AC PAVEMENT DURING EXCAVATION OF TIE DOWN FOUNDATION HOLE.
3. ALL LOOSE SOIL SHALL BE REMOVED FROM BOTTOM OF EXCAVATED TIE DOWN HOLE.
4. TOP OF TIE DOWN ROD SHALL BE FLUSH WITH FINISH GRADE.
5. PERMANENT TIE DOWN ANCHOR DETAIL SHALL GOVERN FOR ALL TIE DOWN ANCHORS PLACED IN THE RECONSTRUCTED APRON.
6. CHECK AND VERIFY LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION OF NEW TIE DOWN ANCHORS.

Reinard W. Brandley
CONSULTING AIRPORT ENGINEER
6125 King Road, Suite 201 · Loomis, California 95650 · (916) 652-4725

ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER · MELISSA S. BRANDLEY · No. C 71139 · Exp. 6-30-2017 · CIVIL · STATE OF CALIFORNIA · 4-13-16

No.	REVISIONS	BY	APR	DATE
⚠	ADDENDUM NO. 2 (REVISE LAYOUT)	MSB	RWB	4/13/16

MADERA MUNICIPAL AIRPORT CALIFORNIA
MADERA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

MARKING & TIEDOWN PLAN & DETAILS

DATE	3-10-16
DRAWN	MSB
CHECKED	RWB
PROJECT No.	83.20
FILE	8320s17.A2
SCALE	1"=30'
SHEET No.	17 OF 19

PLOTTED BY Melissa Brandley 4/25/2016 9:15 AM
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ADDENDUM NO. 3

DATE: May 2, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It responds to bidder questions that have been posed during the bidding period of this project. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 3 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
2	Responses to Questions	8.5x11
9	Bidder's Qualification Statement form (Submit with Bid)	8.5x11

The date of the Bid Opening is Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

for:
Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 3, please fax this sheet to 559-675-6605.

Name of Contractor:_____
Faxed by:_____

MADERA MUNICIPAL AIRPORT
MADERA, CALIFORNIA

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

AIP NO. 3-06-0144-027-2016
PROJECT 216-1

RESPONSES TO CONTRACTOR QUESTIONS

Question received from Teichert Construction on 4/13/16

Question: Will the contractor be required to Hydroseed any area on this project including the stockpile area, graded dirt to the east or future development area?

Response:

Question received from Teichert Construction on 4/13/16

Question: Is the contractor allowed to place the strippings from the existing lawn to be removed in the excess soil stockpile area instead of delivering to a dump site?

Response: Contractor will be required to place strippings from existing lawn area to the upper 2 inches of the embankment located south of the existing administration area provided the strippings are thoroughly mixed with soil.

Question received from Teichert Construction on 4/13/16

Question: Can bid items for Site Surveying and Quality Control be added to the Bid Item List.

Response: No.

Question received from Granite Construction on 4/21/16

Question: For HMA is the 14 VMA for design only?

Response: No. 14 VMA is required for all production.

Question: Will the production VMA requirement apply for the test grid?

Response: Yes. Specified VMA required for total production.

Question received from American Paving Company on 4/21/16

Question: Liquidated Damages are listed as $2,000.00 per calendar day in Section B, Instruction to Bidders, #17. Liquidated Damages, however they are listed as $800.00 per calendar day in Section D, Agreement, Item #6. Please clarify if the Liquidated Damages are $2,000 calendar day or $800 per calendar day.

Response: Liquidated damages are $2,000 per calendar day. $800 per day listed in Section D; Agreement, Item #6, is hereby increased to $2,000 per calendar day.

Questions received from A. Teichert & Son Inc, dba Teichert Construction on 4/28/16.

Question: Division II #7 - In this section you are asking for qualification and financials, which are due 4 days after bid date by the 3 lowest bidders. No form is included in the Bid Documents to complete this request. Please supply financial and competency form with required information.

Response: This form is attached and must be submitted with the bid by all bidders.

Question: Division III, Section 20 FAA - #20-02 Qualification of Bidders - The requirements are the same as Division II, #7 but evidence of competency and evidence of financial responsibility to the Owner is due at time of bid.

Response: This information is due at the time of bid.

Question received from American Paving Company on 4/28/16.

Question: The revised bid forms provided in Addendum 2 sill state the bid opening is May 3, 2016, however Addendum 2 revised the bid date to May 5, 2016. Will the City provide new forms or should we cross out and type in the correct date?

Response: Please cross out and type in the correct date.

Question received from American Paving Company on 4/28/16

Question: Instruction to Bidders, page B-5 states the three lowest bidders shall submit evidence of competency and evidence of financial responsibility to Owner no later than 4PM on the 4th business day following bid opening. FAA General Provisions, page GP-6 states each bidder shall submit "evidence of competency" and "evidence of financial responsibility" at the time of bid opening. Please clarify when Bidder's Qualifications are due.

Response: This information is due at the time of bid.

Question received from Teichert Construction on 4/27/16

Question: Can you please provide a copy of the specs with highlighting the changes? Or please provide a list of specs that changed so we are not trying to find a needle in a hay stack.

Response: This would be a very arduous task since the original technical provisions were discarded and replaced with FAA standards printed verbatim.

MADERA MUNICIPAL AIRPORT

BIDDER'S QUALIFICATION STATEMENT

RECONSTRUCT GENERAL AVIATION APRON PHASE 2

CIP 216-1
AIP NO. 3-06-0144-27-2016

This Qualifications Statement will be used by the City of Madera to determine if a Bidder is qualified to do the work to be performed and therefore to find if the Bidder is a "responsible" bidder. The Qualifications Statement should be completed on behalf of the Bidder by an officer or other individual who is knowledgeable about the Bidder's past and current operations, policies, and practices. A response must be provided to each question. If a particular question does not apply, the response should state "not applicable" or "N/A". **Qualifications statements that contain missing or incomplete answers may render the proposal non-responsive.** The City reserves the right, however, to allow the bidder to submit additional information pertaining to its qualifications after the bid-submission deadline if circumstances warrant and to waive any error or defect in a Bidder's Statement.

Answers may be expanded upon by attaching additional pages. Use 8½" x 11" paper and mark each additional page with the Bidder's name and identification of the particular question to which an answer is being given. For the purposes of this Statement, the terms "company," "firm," "bidder," "proposer," and "contractor" are used interchangeably and have the same meaning.

The following documents or information must be included with your Qualifications Statement for this Bid Proposal (Existing certification and license information on file with the City and current may meet the requirements of this section subject to verification prior to award of any contract):

Insurance: Contractor must provide proof that the firm is insured at least to the limits identified in the Draft Agreement.

Licenses: Copies of all applicable and current trade licenses issued to the Contractor which legally allow the Contractor to perform the work identified for this Project.

Previous Work History: This Statement includes a form titled "Experience on Completed or Ongoing Projects." Please use this form to detail the work that the firm has performed within the last three years. A minimum of three successfully-completed highway and/or roadway rehabilitation construction projects are required. Use one page per project and reproduce copies of the form as necessary. In each project description, identify your firm as a prime contractor, subcontractor, or joint venture partner.

OSHA Violations: If at any time within the past five years the Contractor has received an OSHA serious violation, you must provide copies of the *Citation and Notification of Penalty,* signed *Settlement Agreement,* and narrative which details the specific issue(s) cited, remedial action required and taken by the Contractor, amount of fine initially imposed, and ultimate resolution.

Resumes and Organizational Chart: The Contractor must include current resumes for each Principal and key individual identified in Question 2B below. The statement must also include a copy of the firm's current Organizational Chart.

Equipment: The Contractor must provide a list of equipment that would be available for the work.

SUBMIT THIS SHEET AS PART OF YOUR BID.

Note: This Statement constitutes a part of the proposal, and signature on the signature portion of the proposal constitutes signature on this Statement.

Evidence of Financial Responsibility: Unless submitting evidence that the Contractor is prequalified with the State Highway Division, the Contractor shall provide a confidential statement or report of the bidder's financial resources and liabilities as of the last calendar year or the Contractor's last fiscal year that has been certified by a public accountant.

1. GENERAL INFORMATION:

A. Type of organization: _____

If Corporation, include year and state incorporated
If Partnership, state whether general or limited
If Sole Proprietorship, include name of owner
If Joint Venture*, include name all partnering firms

(*Bidder's submitting a bid as joint venture must obtain a joint venture contractor's license before they may be awarded a contract, per Business and Professions Code §7029.1).

B. Is the firm certified as a Minority Business Enterprise (MBE) or Women Business Enterprise (WBE)?

_____ Yes (attach certification letter) _____ No

2. PERSONNEL:

A. Identify the current number of employees below:

Employee Type	Full-Time	Part-Time
Office		
Field		

B. Principals and Key Personnel: On the chart below, supply the required information. Principals and Key Personnel include proprietors, partners, directors or officers of the firm; any manager or individual who participates in overall policy-making or financial decisions of the firm; any person who makes significant financial contributions to the firm's operations; any person in a position to control and direct the firm's overall operations or any significant part of its operation (including site foremen and superintendents). Resumes for Principals and Key Personnel must be provided herewith. Use additional sheets if necessary to identify all Principals and Key Personnel.

Description	Person 1	Person 2	Person 3
Name			
Title			
% Ownership			

(Use additional sheets if necessary to identify all Principals and Key Personnel)

SUBMIT THIS SHEET AS PART OF YOUR BID.

3. FINANCIAL INFORMATION:

A. Are there any liens outstanding against the Contractor? ☐ Yes ☐ No
(if yes, provide a detailed explanation on an attached sheet)

B. Has the Contractor, Principals or Key Personnel been party to a bankruptcy or reorganization proceeding with the last five years? ☐ Yes ☐ No
(if yes, provide a detailed explanation on an attached sheet)

C. Annual sales dollar volume of Contractor: $_____

A. Has the Contractor's financial responsibility since the confidential Financial statement or report was certified? ☐Yes ☐No

If so, qualify the public accountant's statement or report to reflect Contractor's true financial condition as of bid submission:

_____

_____

_____

_____

_____

4. INTEGRITY OF CONTRACTOR: Please provide an explanation on an attached sheet for any of the following questions with the answer "yes".

A. During the past five years has the Contractor:

i. Been subject of a lien or claim of $25,000 or more by a subcontractor or supplier? ☐ Yes ☐ No

ii. Failed to complete a contract? ☐ Yes ☐ No

iii. Been suspended, debarred, disqualified or otherwise declared ineligible to bid? ☐ Yes ☐ No

iv. Been defaulted on any contract? ☐ Yes ☐ No

v. Had a contract terminated? ☐ Yes ☐ No

vi. Had liquidated damages assessed against it upon completion of a contract? ☐ Yes ☐ No

vii. Been a plaintiff or defendant in any lawsuits arising out of public or private construction contracts? ☐ Yes ☐ No

SUBMIT THIS SHEET AS PART OF YOUR BID.

B. During the past five years has the Contractor, Principals or Key Personnel:

i. Been a plaintiff or defendant in any lawsuits arising out of public or private construction contracts? ☐ Yes ☐ No

ii. Been the subject of an investigation involving any alleged violation of criminal law, civil antitrust law or other federal, state, or local civil law? ☐ Yes ☐ No

iii. Been convicted after trial or by plea of any felony under state or federal law? ☐ Yes ☐ No

iv. Entered a plea of nolo contendere to a charge of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property or violation of an antitrust law? ☐ Yes ☐ No

v. Been the subject of an investigation of any alleged violation of federal, state, or local regulations by any public agency? ☐ Yes ☐ No

vi. Been found to have committed a violation of any labor law or regulation including prevailing wage rates and fair labor practices? ☐ Yes ☐ No

vii. Been found to have committed an OSHA "serious violation"? ☐ Yes ☐ No

viii. Been found to have committed a construction-related violation of federal, state, or local environmental law or regulation? ☐ Yes ☐ No

5. BIDDING CAPABILITY AND PREVIOUS EXPERIENCE:

A. Provide a detailed narrative of the Contractor's experience and involvements in highway and/or roadway rehabilitation construction projects. Previous experience in this field of construction is necessary for the contractor to be found responsible specific to this Project. Additional information can be provided on an attached sheet.

_____

_____

_____

_____

_____

_____

_____

_____

_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

☐ mark if continued on attached sheet

SUBMIT THIS SHEET AS PART OF YOUR BID.

B. Identify Contractor Specialty capabilities (check all appropriate). Bidder must have self-performing capability for each specialty selected by the Bidder.

- ☐ 1. Sitework
- ☐ 2. Concrete
- ☐ 3. Masonry
- ☐ 4. Metals
- ☐ 5. Carpentry
- ☐ 6. Thermal & Moisture Protection
- ☐ 7. Doors & Windows
- ☐ 8. Finishes
- ☐ 9. Specialties
- ☐ 10. Equipment
- ☐ 11. Furnishings
- ☐ 12. Special Construction
- ☐ 13. Conveying Systems
- ☐ 14. Mechanical
- ☐ 15. Electrical
- ☐ 16. Plumbing
- ☐ 17. HVAC
- ☐ 18. Sprinkler
- ☐ 19. ATC
- ☐ 20. Balancing
- ☐ 21. Fire Alarms
- ☐ 22. Security
- ☐ 23. Pre-fabricated Equipment
- ☐ 24. Qualified SWPPP Developer
- ☐ 24. Qualified SWPPP Developer

C. Contract Capability (determined by size of previous work and bonding capacity):

- ☐ 1. $0 - $10,000
- ☐ 2. $0 - $50,000
- ☐ 3. $0 - $100,000
- ☐ 4. $0 - $250,000
- ☐ 5. $0 - $500,000
- ☐ 6. $0 - $1,000,000
- ☐ 7. $0 - $5,000,000
- ☐ 8. $0 - $10,000,000
- ☐ 9. $0 - >$10,000,000

D. Use the following forms (i.e. pages BD-37 – BD-39) to describe bidder's experience on completed or ongoing projects over the last five years (a separate sheet must be completed for each project – three minimum).

SUBMIT THIS SHEET AS PART OF YOUR BID.

PROJECT EXPERIENCE WITH HIGHWAY AND/OR

AIRPORT CONSTRUCTION PROJECTS

Project Status:
☐ Project completed
☐ Work in progress

Contractor's Role*:
☐ Prime Contractor
☐ Subcontractor
☐ Joint Venture Partner

* Entity submitting proposal is considered "Contractor"

Facility / Project Name: _____

Address of Project: _____

Project Owner: _____

Contract Amount (Contractor's Share): $_____ Was project bonded? ☐ Yes ☐ No

% of total project performed by Contractor by Contractor's own forces: _____%

Was Contractor required to possess a Performance Bond and/or Payment Bond? ☐ Yes ☐ No

Start Date:____ Scheduled Completion Date:_____ Actual Completion Date:__

Construction Manager / Project Manager:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Architect / Engineer:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Reference familiar with Contractor's performance:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Description of work performed by Contractor: _____

_____

_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

PROJECT EXPERIENCE WITH HIGHWAY AND/OR

AIRPORT CONSTRUCTION PROJECTS

Project Status:
☐ Project completed
☐ Work in progress

Contractor's Role*:
☐ Prime Contractor
☐ Subcontractor
☐ Joint Venture Partner

* Entity submitting proposal is considered "Contractor"

Facility / Project Name: _____

Address of Project: _____

Project Owner: _____

Contract Amount (Contractor's Share): $_____ Was project bonded? ☐ Yes ☐ No

% of total project performed by Contractor by Contractor's own forces: _____%

Was Contractor required to possess a Performance Bond and/or Payment Bond? ☐ Yes ☐ No

Start Date:____ Scheduled Completion Date:_____ Actual Completion Date:__

Construction Manager / Project Manager:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Architect / Engineer:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Reference familiar with Contractor's performance:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Description of work performed by Contractor: _____

_____

_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

PROJECT EXPERIENCE WITH HIGHWAY AND/OR
AIRPORT CONSTRUCTION PROJECTS

Project Status:
☐ Project completed
☐ Work in progress

Contractor's Role*:
☐ Prime Contractor
☐ Subcontractor
☐ Joint Venture Partner

* Entity submitting proposal is considered "Contractor"

Facility / Project Name: _____

Address of Project: _____

Project Owner: _____

Contract Amount (Contractor's Share): $_____ Was project bonded? ☐ Yes ☐ No

% of total project performed by Contractor by Contractor's own forces: _____%

Was Contractor required to possess a Performance Bond and/or Payment Bond? ☐ Yes ☐ No

Start Date:____ Scheduled Completion Date:_____ Actual Completion Date:__

Construction Manager / Project Manager:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Architect / Engineer:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Reference familiar with Contractor's performance:

Company: _____

Address: _____

Telephone: _____ email: _____

Contact Name: _____ Title: _____

Description of work performed by Contractor: _____

_____

_____

SUBMIT THIS SHEET AS PART OF YOUR BID.

ADDENDUM NO. 4

DATE: May 4, 2016

TO: Planholders

RE: PROJECT 216-1; MADERA MUNICIPAL AIRPORT, RECONSTRUCT GENERAL AVIATION APRON PHASE 2, AIP NO. 3-06-0144-27-2016

This addendum forms a part of the construction documents. It responds to bidder questions that have been posed during the bidding period of this project. Bidders are required to acknowledge receipt of this addendum on the sheet included with bid package. Failure to acknowledge receipt of this addendum may subject bidder to disqualification.

ADDENDUM NO. 4 CONTAINS THE FOLLOWING:

Qty (Sheets)	Description	Size
1	Clarification to submittal of Bidder's Qualification Statement form (Submit with Bid)	8.5x11

The Bidder's Qualification Statement form shall be submitted in a separate envelope to the City with the bid proposal. The Bidder's Qualification Statement form will not be made public and is for internal use only.

The date of the Bid Opening is Thursday, May 5, 2016 at 2:00P.M.

Submit bids to the City of Madera Engineering Annex behind City Hall, located at 205 West 4th Street.

FOR Keith Brent Helmuth, P.E.
City Engineer

To verify receipt of this Addendum No. 4, please fax this sheet to 559-675-6605.

Name of Contractor:_____
Faxed by:_____

Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov

Return to Agenda

Report to City Council

Council Meeting of July 20, 2016
Agenda Item Number B-4

Approved by:

Department Director

City Administrator

Consideration of a Resolution Approving an Agreement for Special Services Between the City of Madera and the Law Firm of Liebert Cassidy Whitmore and Authorizing the Mayor to Execute the Agreement

RECOMMENDATION

Staff recommends Council adopt the resolution approving the Agreement for Special Services with Liebert Cassidy Whitmore and authorize the Mayor to execute the agreement on behalf of the City.

HISTORY

Since 1991, the City has been a member of the Central Valley Employment Relations Consortium along with other public agencies for training and labor law consultation. Specific services provided are five full days of training on various employment related topics selected by consortium members, legal consultation on employment matters by telephone and email, and monthly labor and employment law newsletters.

SITUATION

Continued participation in the consortium requires execution of an agreement for special services with the firm. With our continued participation, the City is able to meet the challenge of providing cost effective and current employment law training to supervisors, managers, and department heads. The training classes for 2016-17 are slated to be:

- Maximizing Supervisory Skills for the First Line Supervisor (Full Day)
- Managing the Marginal Employee (Half Day)
- Difficult Conversations (Half Day)
- Performance Management: Evaluation, Documentation and Discipline (Half Day)

- 12 Steps to Avoiding Liability (Half Day)
- Risk Management Skills for the Front Line Supervisor (Half Day)
- Public Sector Employment Law Update (Half Day)
- File That! Best Practices for Document and Record Management (Half Day)
- A Supervisor's Guide to Labor Relations (Half Day)

FISCAL IMPACT

The cost for continued participation in the Consortium will be $2,245.00 for the 2016-17 year. This fee is the same as paid in the prior year. Participation in the Consortium is paid through the Insurance Reserve Fund and the identified training is made available without charge to all City departments. Adequate funds have been included in the adopted 2016-17 budget for continued participation in the Consortium.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN

Labor law training and consultation for City of Madera employees is not addressed in the vision or action plan; the requested action is also not in conflict with any of the actions or goals contained in that plan.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA APPROVING AN AGREEMENT FOR SPECIAL SERVICES AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT FOR SPECIAL SERVICES BETWEEN THE CITY OF MADERA AND THE LAW FIRM OF LIEBERT CASSIDY WHITMORE

WHEREAS, the City of Madera has a need to secure expert training and consultation services to assist the City in its employee and labor relations; and

WHEREAS, the City wishes to provide timely and cost effective training for supervisory staff relative to employee and labor relations issues; and

WHEREAS, the City desires to continue participation in the Central Valley Employment Relations Consortium.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF MADERA hereby resolves, finds, and orders as follows:

1. The above recitals are true and correct.

2. The Agreement for Special Services between the City and Liebert Cassidy Whitmore, on file with the Office of the City Clerk and referred to for more particulars, is approved.

3. The Mayor is authorized to execute the Agreement for Special Services on behalf of the City of Madera.

4. This resolution is effective immediately upon adoption.

* *

AGREEMENT FOR SPECIAL SERVICES

This Agreement is entered into between the City of Madera, A Municipal Corporation, hereinafter referred to as "Agency," and the law firm of LIEBERT CASSIDY WHITMORE, A Professional Corporation, hereinafter referred to as "Attorney."

WHEREAS Agency has the need to secure expert training and consulting services to assist Agency in its workforce management and employee relations; and

WHEREAS Agency has determined that no less than thirty-nine (39) public agencies in the Central Valley area have the same need and have agreed to enter into identical agreements with Attorney; and

WHEREAS Attorney is specially experienced and qualified to perform the special services desired by the Agency and is willing to perform such services;

NOW, THEREFORE, Agency and Attorney agree as follows:

Attorney's Services:

During the year beginning July 1, 2016, Attorney will provide the following services to Agency (and the other aforesaid public agencies):

1. Five (5) days of group training workshops covering such employment relations subjects as management rights and obligations, negotiation strategies, employment discrimination and affirmative action, employment relations from the perspective of elected officials, performance evaluation (administering evaluations), grievance and discipline administration for supervisors and managers, planning for and responding to concerted job actions, current court, administrative and legislative developments in personnel administration and employment relations, etc., with the specific subjects covered and lengths of individual workshop presentations to be determined by Agency and the other said local agencies.

   It is expressly understood that the material used during these presentations, including written handouts and projected power points are provided solely for the contracted workshops. This agreement warrants there will be no future use of Liebert Cassidy Whitmore material in other trainings or formats without the expressed written permission of Liebert Cassidy Whitmore. Any such use will constitute a violation of this agreement and copyright provisions.

2. Availability of Attorney for Agency to consult by telephone. Consortium calls cover questions that the attorney can answer quickly with little research. They do not include the review of documents, in depth research, written responses (like an opinion letter) or advice on on-going legal matters. The caller will be informed if the question exceeds the scope of consortium calls. Should the caller request, the attorney can assist on items that fall outside the service, but these matters will be billed at the attorney's hourly rate. (See additional services section.)

3. Providing of a monthly newsletter covering employment relations developments.

Fee:

Attorney will provide these special services to Agency for a fee of Two Thousand Two Hundred Forty Five Dollars ($2,245.00) payable in one payment prior to August 1, 2016. The fee, if paid after August 1, 2016 will be $2,345.00.

Said fee will cover Attorney's time in providing said training and consultative services and the development and printing of written materials provided to attendees at the training programs.

Additional Services:

Attorney shall, as and when requested by Agency, make itself available to Agency to provide representational, litigation, and other employment relations services. The Agency will be billed for the actual time such representation services are rendered, including reasonable travel time, plus any necessary costs and expenses authorized by the Agency.

The range of hourly rates for Attorney time is from Two Hundred to Three Hundred Fifty Dollars ($200.00 - $350.00) per hour for attorney staff, One Hundred Ninety-Five Dollars ($195.00) per hour for Labor Relations/HR Consultant and from Seventy-Five to One Hundred Sixty Dollars ($75.00 - $160.00) per hour for services provided by paraprofessional and litigation support staff. Attorneys, paraprofessional and litigation support staff bill their time in minimum units of one-tenth of an hour. Attorney reviews its hourly rates on an annual basis and if appropriate, adjusts them effective July 1.

Independent Contractor:

It is understood and agreed that Attorney is and shall remain an independent contractor under this Agreement.

Term:

The term of this Agreement is twelve (12) months commencing July 1, 2016. The term may be extended for additional periods of time by the written consent of the parties.

Condition Precedent:

It is understood and agreed that the parties' aforesaid rights and obligations are contingent on no less than thirty-nine (39) local agency employers entering into a substantially identical Agreement with Attorney on or about July 1, 2016.

Dated: 6/3/16

LIEBERT CASSIDY WHITMORE
A Professional Corporation

By _____

Dated: _____

CITY OF MADERA
A Municipal Corporation

By _____

Return to Agenda

Report to City Council

Council Meeting of July 20, 2016
Agenda Item Number B-5

Approved by:

Department Director

City Administrator

Consideration of a Resolution Approving an Amendment to the Executive Director of the Successor Agency to the Former Madera Redevelopment Agency At Will Employment Agreement and Authorizing the Mayor to Execute the Amendment

RECOMMENDATION

Should the Council desire to effectuate the proposed Agreement Amendment, staff recommends Council adopt the resolution amending the Executive Director of the Successor Agency to the Former Madera Redevelopment Agency (Executive Director) At Will Employment Agreement and authorizing the Mayor to execute the Agreement.

HISTORY

The City Council negotiated an At Will Employment Agreement with James Taubert to serve as Executive Director. Mr. Taubert requested an ad hoc committee be appointed to negotiate certain changes to said Agreement. Council appointed members Andy Medellin and Will Oliver to negotiate with Mr. Taubert.

SITUATION

Historically, Mr. Taubert has waived participation in the City's health insurance plan. In lieu of the health insurance benefit, Mr. Taubert's Agreement provided a benefit whereby the City made a contribution equal to the City's family health allowance into a 457 deferred compensation plan. Effective July 1, 2016, Mr. Taubert has enrolled on the City's health plan at the employee only level. Mr. Taubert negotiated with the ad hoc committee to add language to his Agreement that would provide for the City to contribute the difference between the employee only health enrollment level and the family level into a 457 deferred compensation plan. The proposed Amendment to the Agreement provides language that would allow for this benefit modification.

FISCAL IMPACT

Adoption of the amendment to the Executive Director's employment agreement is not anticipated to create a fiscal impact.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN

Compensation and benefits for City employees are not addressed in the vision or action plan; the requested action is also not in conflict with any of the actions or goals contained in that plan.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA APPROVING AN AMENDMENT TO THE EXECUTIVE DIRECTOR OF THE SUCCESSOR AGENCY OF THE FORMER MADERA REDEVELOPMENT AGENCY AT WILL EMPLOYMENT AGREEMENT AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT

WHEREAS, the City of Madera wishes to establish reasonable rules, regulations and compensation for its staff and elected officials within the financial limits of the organization; and

WHEREAS, an Amendment to the Executive Director of the Successor Agency of the Former Madera Redevelopment Agency At Will Employment Agreement has been prepared and is amenable to all parties.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF MADERA hereby resolves, finds, and orders as follows:

1. The above recitals are true and correct.

2. The Amendment to the Executive Director of the Successor Agency to the Former Madera Redevelopment Agency's At Will Employment Agreement between the City and James Taubert, on file with the office of the City Clerk and referred to for more particulars, is hereby approved.

3. The Mayor of the City of Madera is authorized to execute the Amendment on behalf of the City of Madera.

4. This resolution is effective immediately upon adoption.

* *

THIRD AMENDMENT TO THE EXECUTIVE DIRECTOR OF THE SUCCESSOR AGENCY TO THE FORMER MADERA REDEVELOPMENT AGENCY AT WILL EMPLOYMENT AGREEMENT

This Amendment, entered into on the 20th day of July, 2016, amends the previous agreement entitled EXECUTIVE DIRECTOR OF THE SUCCESSOR AGENCY TO THE FORMER MADERA REDEVELOPMENT AGENCY AT WILL EMPLOYMENT AGREEMENT dated August 5, 2015 and amended October 21, 2015, and June 15, 2016 by and between the City of Madera, a municipal corporation, hereinafter called "Employer," and James E. Taubert, hereinafter called "Employee," both of whom understand as follows:

WITNESSETH:

WHEREAS, Employee and Employer entered into an agreement dated August 5, 2015, and amended October 21, 2015 and June 15, 2016, to contract with Employee to serve as Executive Director of the Successor Agency to the Former Madera Redevelopment Agency of Employer ("Agreement"); and

WHEREAS, Employer and Employee desire to modify said Agreement to update the contract provisions to reflect changes in the City's contribution toward Employee's health insurance.

NOW THEREFORE, it is hereby agreed that the Agreement between the parties is amended in the following particulars only:

Section 1. Section 6. C. of the Agreement is amended to read as follows:

Section 6: OTHER TERMS AND CONDITIONS OF EMPLOYMENT

C. Disability, Health, and Life Insurance

Employer will provide term life insurance for Employee in the amount of $50,000 which includes accidental death and dismemberment (AD&D) coverage. Employer also will provide dependent life in the amount of $5,000 and Long Term Disability Insurance, which provides salary replacement benefits.

Employer agrees to provide a monthly health benefit allowance for the employee to purchase health insurance (including medical, dental and vision coverage of the Employee and family) through an IRS Section 125 Cafeteria Plan.
Effective July 1, 2016, that contribution will be as follows:

Enrollment Level	Monthly Allowance
Waiver of Coverage	$300.00
EE Only	$790.66
EE+1	$1,441.84
EE+Family	$2,040.84

Upon enrollment in the city's medical benefits, should Employee enroll at a level less than family health benefits, Employer will pay the difference between family enrollment and Employee's enrollment into the deferred compensation plan on Employee's behalf. These payments shall begin the first whole pay period following adoption of this amendment.

Employer will provide teledoc services as part of the medical plan offerings for the July 1, 2016-June 30, 2017 plan year at Employer's expense. Provision of teledoc services shall not renew beyond June 30, 2017 unless an amendment to continue providing said services is executed between the City and Employee effectuating such.

Medicare - 1.45% Employer's contribution matched by an Employee contribution of 1.45% of Employee's salary for mandated Medicare coverage.

Section 2. All other provisions of the Agreement not inconsistent with this Amendment shall continue in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be executed by and through their respective officers duly authorized on the date first written above.

EMPLOYEE

By: _____
James E. Taubert

CITY OF MADERA

By: _____
Robert L. Poythress, Mayor

ATTEST

By: _____
Sonia Alvarez, City Clerk

APPROVED AS TO LEGAL FORM

By: _____
Brent Richardson, City Attorney

Return to Agenda

Report to City Council

Council Meeting of July 20, 2016
Agenda Item Number B-6

Approved by:

Department Director

City Administrator

Consideration of a Resolution Approving the VantageTrust II Multiple Collective Investment Funds Trust Participation Agreement for the VantageCare Retirement Health Savings Plan

RECOMMENDATION

Staff recommends Council adopt the resolution approving the VantageTrust II Multiple Collective Investment Funds Trust Participation Agreement for the VantageCare Retirement Health Savings Plan and authorize the Mayor to execute the agreement on behalf of the City.

HISTORY

In 2005, the City Council approved implementation of a Retirement Health Savings (RHS) Plan as part of the benefit package available for management employees. The RHS Plan is provided by ICMA-RC and allows employees to make an irrevocable election to contribute money into the plan on a pre-tax basis. Money placed into the plan is only disbursable after retirement for medical and/or health related expenses that are compliant with Internal Revenue Service guidelines. The plan was utilized by very few employees and was eventually placed in an inactive status, meaning no employees can contribute additional monies into the plan. The City is the trustee for the plan and is responsible to manage the plan until such time that monies placed on deposit have been expended.

SITUATION

The City has been notified by ICMA-RC that they are restructuring their proprietary investment options available to the RHS Plan. The funds currently available to the City's Plan for participant investment will be liquidated in September 2016. If no action is taken by the City, participant funds will be moved into a default money market account. Alternatively, the City can approve use of ICMA-RC's replacement funds for participants' investment options. The new funds are collectively known as

the VantageTrust II Multiple Collective Investment Funds Trust (VT II Funds). ICMA-RC represents that the new VT II Funds will provide lower-cost investment options for participants and provide a simplified fee structure.

FISCAL IMPACT

The City incurs no cost for the RHS Plan other than administrative oversight.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN

Benefit plans for City of Madera employees are not addressed in the vision or action plan; the requested action is also not in conflict with any of the actions or goals contained in that plan.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA APPROVING THE VANTAGETRUST II MULTIPLE COLLECTIVE INVESTMENT FUNDS TRUST PARTICIPATION AGREEMENT FOR THE VANTAGECARE RETIREMENT HEALTH SAVINGS PLAN AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT

WHEREAS, the City of Madera is Trustee for an ICMA-RC VantageCare Retirement Health Savings Plan; and

WHEREAS, ICMA-RC has notified the City of changes to investment options available to the Plan, specifically the VantageTrust II Multiple Collective Investment Funds Trust (VT II Funds); and

WHEREAS, in order for Plan participants to have access to the new investment options, the City must approve an agreement to participate in the VT II Funds.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF MADERA hereby resolves, finds, and orders as follows:

1. The above recitals are true and correct.

2. The Agreement for participation in the VantageTrust II Multiple Collective Investment Funds Trust, on file with the Office of the City Clerk and referred to for more particulars, is approved.

3. The Mayor is authorized to execute the Agreement on behalf of the City of Madera.

4. This resolution is effective immediately upon adoption.

* *

VantageTrust II Multiple Collective Investment Funds Trust

Participation Agreement

This Participation Agreement is by and between VantageTrust Company, LLC ("Trust Company"), the trustee of the VantageTrust II Multiple Collective Investment Funds Trust (the "Trust"), and the employer executing this Participation Agreement ("Employer") on behalf of the retirement plan(s) or retirement trust(s) identified on the signature page and effective as of the date specified at the end of this Agreement (the "Retirement Trust").

RECITALS

1. The Trust Company maintains the Trust (including each separate investment fund established as a "Fund") under the Declaration of Trust dated January 1, 2015, and all other attachments thereto, as amended and in effect from time to time (the "Declaration of Trust"), as a medium for the collective investment and reinvestment of assets of certain tax-exempt, governmental pension and profit-sharing plans, and retiree welfare plans within the meaning of section 401(a)(24) of the Internal Revenue Code of 1986, as amended, and related trusts, and other eligible investors that become Participating Trusts under the Declaration of Trust (defined as "Eligible Trust" in the Declaration of Trust).

2. The Retirement Trust desires to become a Participating Trust as defined in the Declaration of Trust.

DEFINITIONS

1. Unless otherwise specified herein, any capitalized word or phrase shall have the meaning as set forth in the Declaration of Trust.

AGREEMENT

In consideration of the foregoing and the promises set forth below, the parties agree to the following:

1. **Appointment and Acceptance**. The Employer hereby acknowledges that the Trust Company has appointed ICMA Retirement Corporation ("Investment Adviser"), an investment adviser registered under the Investment Advisers Act of 1940, as an investment adviser, pursuant to the terms of the Declaration of Trust to provide advice and recommendations to the Trust Company in the management of the Funds. The Employer further acknowledges and accepts that the Trust Company is a wholly owned subsidiary of Investment Adviser.

3. **Adoption of Trust.** The Retirement Trust's participation in each Fund will at all times be subject to the terms of the Declaration of Trust, which is hereby adopted as a part of the Retirement Trust and this Participation Agreement. The Retirement Trust's participation in each Fund will also be subject to the terms of the Declaration of Trust.

4. **Acceptance of Plan**. The Trust Company accepts the Retirement Trust (including each plan forming a part thereof) as a Participating Trust as of the date specified on the execution page of this Participation Agreement.

5. **Notice of Disqualification.** In the event that the Retirement Trust ceases to be an Eligible Trust as defined in the Declaration of Trust, then, in the case of any such event, the Employer shall deliver to the Trust Company a written notice of its ceasing to be an Eligible Trust within fifteen (15) calendar days of receipt of any notice, execution of any amendment, receipt of any letter or determination of such cessation. Upon the Trust

Company's receipt of such information, in writing or otherwise, the Retirement Trust's Units shall be redeemed in accordance with the provisions of the Declaration of Trust.

WARRANTIES, REPRESENTATIONS AND COVENANTS OF EMPLOYER AND ELIGIBLE TRUST

1. Employer and Retirement Trust represent and warrant as follows:

   A. The Retirement Trust meets the definition of an "Eligible Trust" under the Declaration of Trust. This means the Retirement Trust is any of the following:

      i. a retirement, pension, profit-sharing, stock bonus, or other employee benefit trust that is exempt from Federal income taxation under Section 501(a) of the Code by reason of qualifying under Section 401(a) of the Code; or

      ii. an eligible governmental plan trust or custodial account under Section 457(b) of the Code that is exempt under Section 457(g) of the Code; or

      iii. Section 401(a)(24) governmental plans; or

      iv. any common, collective, or commingled trust fund the assets of which consist solely of assets of eligible investors in a group trust under Revenue Ruling 81-100; or

      v. an insurance company separate account (i) the assets of which consist solely of assets of eligible investors in a group trust under Revenue Ruling 81-100, (ii) with respect to which the insurance company maintaining the separate account has entered into a written arrangement with the Trust Company consistent with the requirements of Revenue Ruling 2011-1, and (iii) the assets of which are insulated from the claims of the insurance company's general creditors; or

      vi. any other plan, trust, or other entity that is an eligible investor in a group trust under Revenue Ruling 81-100.

   B. The Retirement Trust is established, maintained and administered under one or more documents that authorize part or all of the assets of the Retirement Trust to be transferred to, and commingled for investment purposes in, a Trust that meets the requirements of Revenue Ruling 81-100;

   C. The Declaration of Trust (including each Fund thereunder) is adopted as part of the Retirement Trust;

   D. Authorization or license from any foreign, federal, state or local regulatory authority or agency required on the part of the Employer or the Retirement Trust has been obtained and any necessary filing with any of the foregoing has been duly made.

2. Employer hereby represents and acknowledges the following:

   A. It has the requisite authority to enter into this Participation Agreement on behalf of the Retirement Trust, to authorize investments under the provisions of the documents of the Retirement Trust and to make, on behalf of the Retirement Trust, any and all certifications, covenants, representations or warranties set forth in this Agreement.

B. It has received and reviewed the Declaration of Trust, any addenda thereto, the VantageTrust II Funds Disclosure Memorandum, and any additional materials and information it has requested describing the Trust, and its business and operation, and that in making a prudent investment decision with respect to the contribution of assets to the Trust in exchange for Units, the Employer has relied solely upon independent investigations made, directly or indirectly, by it.

C. It has been given the opportunity to review with the Trust Company the terms and conditions of this Participation Agreement and the Declaration of Trust, and to obtain additional information to verify the accuracy of the information contained in the aforesaid materials, and such other information as it desires to evaluate its investment in the Trust.

D. The Units of the Fund(s) have not been registered under the Securities Act of 1933, or the applicable securities laws of any states or other jurisdictions.

E. Neither the Trust nor any Fund is registered under the Investment Company Act of 1940 and investors are not entitled to the protections of that Act.

F. The Units of the Fund(s) are not insured by the Federal Deposit Insurance Corporation or any other type of deposit insurance coverage.

3. Employer agrees promptly to notify the Trust Company in the event that any of the representations set forth above or any information provided pursuant to the provisions hereof ceases to be accurate during the term of this Participation Agreement. Until such notice is given to the Trust Company, the Trust Company may rely on the representations contained in, and all other information provided pursuant to or as contemplated by, this Participation Agreement in connection with all matters related to the Funds and the Trust.

FEES AND EXPENSES

1. Fees and expenses incurred with respect to the Trust, including compensation of the Trustee, shall be paid in accordance with the Declaration of Trust.

MISCELLANEOUS

1. **Construction**. This Participation Agreement shall be deemed to be executed and delivered in the District of Columbia, and, except to the extent superseded by federal laws, all laws or rules of construction of the District of Columbia shall govern the rights of the parties hereto and the interpretation of provisions of this Participation Agreement.

2. **Counterparts**. This Participation Agreement may be executed in any number of separate counterparts, each of which shall be deemed an original, but the several counterparts shall together constitute one and the same Participation Agreement of the parties hereto.

3. **Amendments**. This Participation Agreement shall be automatically amended by any amendment to the Declaration of Trust, and all such amendments shall be automatically incorporated by reference herein, and any provisions of this Participation Agreement inconsistent with the terms of such amendment shall be null and void on and after the effective date of such amendment.

4. **Agreement Conflicts.** In the event that any terms of this Participation Agreement conflict with or are in addition to the terms of any Administrative Services Agreement ("ASA") between the parties, the terms of this Participation Agreement and the Declaration of Trust shall prevail. In the event that the terms of this

Participation Agreement conflict with the terms of the Declaration of Trust, the terms of the Declaration of Trust shall prevail.

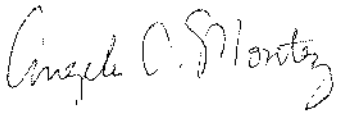
5. **Prohibited Transactions**. If the Trust Company determines that the Retirement Trust's involvement with certain assets, liabilities or transactions will result, or has resulted, in the Trust engaging in a transaction that is prohibited by the Internal Revenue Code, Securities Act of 1933, Investment Company Act of 1940 or other applicable law, the Trust Company, in its sole discretion, may take action to correct such prohibited transaction, or may treat the Retirement Trust as having withdrawn from participation and shall redeem the Retirement Trust's Units, all in accordance with the Declaration of Trust.

6. **Severability**. Each clause or term of this Participation Agreement is severable from the entire Participation Agreement, and if any clause or term is declared invalid, the remaining clauses or terms shall remain in effect.

[Space Intentionally Blank]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date specified below.

VantageTrust II Multiple Collective Investment Funds Trust
By: VantageTrust Company, LLC, as Trustee,

By: 

Angela Montez
Secretary

Plan/Retirement Trust:

City of Madera	801254
Plan/Retirement Trust Name	ICMA-RC Plan Number
Plan/Retirement Trust Name	ICMA-RC Plan Number

By: City of Madera — Name of Employer or Fiduciary

C4525 — Customer Number

By: _____ — Authorized Officer Signature

_____ — Date

Robert L. Poythress, Mayor
Printed Name and Title

205 W. 4th Street
Address Line 1

Madera, CA 93637
Address Line 2

(559) 661-5481
Telephone Number

VantageTrust II Multiple Collective Investment Funds Trust
Declaration of Trust

WHEREAS, VantageTrust Company, LLC, a trust company organized under the laws of the State of New Hampshire (the "Trustee"), hereby establishes the **VantageTrust II Multiple Collective Investment Funds Trust** (the "Trust") pursuant to this Declaration of Trust effective January 1, 2015; and

WHEREAS, the Trust is intended to provide for the collective investment and reinvestment of assets of certain tax-exempt, governmental pension and profit-sharing plans, and retiree welfare plans within the meaning of section 401(a)(24) of the Internal Revenue Code of 1986, as amended ("Code"), and related trusts, and other eligible investors that become Participating Trusts hereunder; and

WHEREAS, it is intended that the Trust established hereunder shall be exempt from taxation under Code Section 501(a) and qualify as a group trust under Revenue Ruling 81-100 (and any successor ruling, regulation, or similar pronouncement), and that this Declaration of Trust shall be construed, and shall be administered, to give effect to that intention.

NOW, THEREFORE, the Trustee declares that it will hold and administer in trust all money and property acceptable to it and received or purchased by it as Trustee hereunder, together with the income and proceeds thereof upon the following terms and conditions.

ARTICLE 1
DEFINITIONS

1.01 "**Affiliate**" means any entity controlling, controlled by, or under common control with the Trustee.

1.02 "**Business Day**" means any day in which the New York Stock Exchange is open for trading.

1.03 "**Class**" means a class of a Fund established and maintained pursuant to the provisions of Article 2.

1.04 "**Code**" means the Internal Revenue Code of 1986, as amended from time to time. Any reference to a provision of the Code in the Declaration of Trust also shall be deemed to refer to any successor provision.

1.05 "**Declaration of Trust**" means this Declaration of Trust.

1.06 "**Dedicated Account**" means a segregated account established and maintained in accordance with Article 8 to hold cash, securities, or other assets received from, and other investments made for the benefit of, one or more Participating Trusts pending the investment of such assets in a Fund, or in connection with the distribution or withdrawal of such assets.

1.07 "**Description of Classes**" has the meaning ascribed to it in Section 2.02.

1.08 "**Eligible Trust**" means any of the following:

(a) a retirement, pension, profit-sharing, stock bonus, or other employee benefit trust that is exempt from Federal income taxation under Section 501(a) of the Code by reason of qualifying under Section 401(a) of the Code; or

(b) an eligible governmental plan trust or custodial account under Section 457(b) of the Code that is exempt under Section 457(g) of the Code; or

(c) Section 401(a)(24) governmental plans; or

(d) any common, collective, or commingled trust fund the assets of which consist solely of assets of eligible investors in a group trust under Revenue Ruling 81-100; or

(e) an insurance company separate account (i) the assets of which consist solely of assets of eligible investors in a group trust under Revenue Ruling 81-100, (ii) with respect to which the insurance company maintaining the separate account has entered into a written arrangement with the Trustee consistent with the requirements of Revenue Ruling 2011-1, and (iii) the assets of which are insulated from the claims of the insurance company's general creditors; or

(f) any other plan, trust, or other entity that is an eligible investor in a group trust under Revenue Ruling 81-100.

1.09 "**Fund**" means a fund of the Trust established and maintained pursuant to the provisions of Article 2. The Funds so established shall be known as the "VantageTrust II Funds."

1.10 "**Investment Guidelines**" has the meaning ascribed to it in Section 4.01.

1.11 "**Investment Adviser**" means, for purposes of this Agreement, International City Management Association Retirement Corporation, as of the date of this Declaration of Trust, and any successor appointed hereunder to provide investment advice and services to the Trust or Trustee.

1.12 "**Liquidating Account**" means a segregated account established and maintained in accordance with Article 8 to facilitate the liquidation and pricing of the assets contained therein for the benefit of any Participating Trust holding a beneficial interest therein.

1.13 "**Local Currency**" has the meaning ascribed to it in Section 5.02(c).

1.14 "**Participating Trust**" means an Eligible Trust which has executed a Participation Agreement, has been accepted to the Trust by the Trustee, has transferred assets to the Trust, and has a beneficial interest in the Trust.

1.15 "**Participation Agreement**" means an agreement entered into by the Trustee and an Eligible Trust pursuant to which such Eligible Trust will become a Participating Trust upon acceptance to the Trust by the Trustee, and certain assets of such Participating Trust will be invested in the Trust.

1.16 "**Plan Fiduciary**" means the person or persons, or his, her, its or their duly authorized agent, who directs the investments of the assets of a Participating Trust in the Trust, but shall not include the Trustee in its capacity as Trustee of the Trust or the Investment Adviser in its capacity as investment adviser to the Trustee and the Trust. If the person who directs the investments of any assets of a Participating Trust in the Fund is a participant or beneficiary, or the duly authorized agent of such participant of beneficiary, entitled to benefit from the Participating Trust and is acting in his capacity as such, then Plan Fiduciary shall mean the plan sponsor or appropriate plan fiduciary, or any duly authorized agent thereof, which has authorized the use of the Fund as an investment option for participants and beneficiaries of the relevant Participating Trust.

1.17 "**Revenue Ruling 81-100**" means Internal Revenue Service Revenue Ruling 81-100, 1981-1 C.B. 326, as amended by and clarified in Revenue Ruling 2004-67, 2004-2 C.B. 28, Revenue Ruling 2011-1, 2011-2 C.B. 251, Revenue Ruling 2014-24, 2014-37 I.R.B. 529, and Notice 2012-6, 2012-3 I.R.B. 293, and as may be further amended or clarified from time to time, including any applicable rules or interpretations of the Department of the Treasury or the Internal Revenue Service, or any other subsequent corresponding Internal Revenue Service Revenue Ruling or other guidance regarding a tax-exempt "group trust."

1.18 "**Trust**" has the meaning ascribed to it in the Recitals.

1.19 "**Trustee**" has the meaning ascribed to it in the Recitals.

1.20 "**Unit**" means a book-entry record used to determine the value of an undivided beneficial interest in a Fund or a Class of a Fund calculated as provided in Section 5.01.

1.21 "**Valuation Date**" means each Business Day upon which the Trustee is open for business unless the Trustee shall determine otherwise, in accordance with Section 5.03.

ARTICLE 2
ESTABLISHMENT OF FUNDS AND CLASSES OF FUNDS

2.01 **Establishment of Funds.** The Trustee may from time to time establish such Funds as it deems necessary and advisable to provide for the collective investment and reinvestment of assets of Participating Trusts. Each Fund shall be administered, managed, and invested separately. The Investment Guidelines, including the applicable investment objectives, guidelines, and policies, for each Fund are set forth in Appendix A hereto. There is no assurance that any of the Funds will achieve its investment objectives.

2.02 **Establishment of Classes.** The Trustee, in its sole discretion and at any time, may divide a Fund into one or more Classes with differing fee and expense obligations or liabilities. The beneficial interest of each Participating Trust in a Class will be represented by Units. The Trustee may establish a Class by attaching a written description of Classes as Appendix B to this Declaration of Trust (the "Description of Classes"), which will specify the Trustee's rate of compensation and other expenses, costs, charges, and liabilities allocable to each Class of Units, as well as any conditions that must be satisfied to participate in such Class. Each Unit of a Class of a Fund shall represent an undivided proportionate interest in all the assets of the Fund.

2.03 **Change in the Units.** As of any Valuation Date, the Trustee, in its sole discretion, may make a uniform change in the Units of any Class of a Fund either by dividing such Units into a greater number of Units of lesser value, or combining such Units to produce a lesser number of Units of greater value, provided that the proportionate interest of each Participating Trust in a Fund or Class of a Fund, as the case may be, shall not thereby be changed.

2.04 **No Certificates.** No certificates shall be issued to evidence any Participating Trust's interest in the Trust, but the Trustee shall keep a record of the number of Units held by each Participating Trust.

ARTICLE 3
PARTICIPATION

3.01 **Conditions of Participation.** The Trustee shall accept assets under this Declaration of Trust only from an Eligible Trust that:

(a) will not jeopardize the Trust's exemption from the registration requirements of the Federal and state securities law by virtue of the Eligible Trust's investment of assets in the Trust; and

(b) is governed by one or more instruments that authorize the investment of the Eligible Trust's assets in collective or commingled trust funds generally, or in the Trust specifically, and that provide that the Trust will become a part of the Eligible Trust upon adoption by such Eligible Plan.

Each Eligible Trust that desires to become a Participating Trust shall establish to the Trustee's satisfaction that it meets the conditions of participation set forth in this Section 3.01, including that it satisfies the definition of Eligible Trust in Section 1.08. Upon the Trustee's request, such Eligible Trusts shall provide such written evidence or other assurances that the Trustee may deem necessary or advisable.

3.02 **Commencement and Continuation of Participation.** An Eligible Trust shall become a Participating Trust in a Fund upon the Trustee's acceptance, in the Trustee's sole discretion, of such Eligible Trust's application to become a Participating Trust, and as of the Valuation Date specified in the applicable Participation Agreement. An Eligible Trust that has been accepted as a Participating Trust shall continue to be eligible to participate in the Trust, subject to the following conditions:

(a) During such time as any assets of a Participating Trust are held in the Trust, (i) this Declaration of Trust shall govern the management and administration of such assets, and (ii) any inconsistency between the governing instrument of the Participating Trust and this Declaration of Trust relating to the management or administration of the Participating Trust's assets held hereunder, or to the rights, powers, responsibilities or liabilities of the Trustee with respect thereto, shall be resolved in favor of this Declaration of Trust.

(b) If at any time a Participating Trust shall fail to satisfy all of the conditions of participation set forth in this Section 3.02, including that it satisfies the definition of Eligible Trust in Section 1.08, such Participating Trust shall promptly notify the Trustee. Notwithstanding

any provision herein to the contrary, if the Trustee receives actual notice that a Participating Trust has ceased to be an Eligible Trust, or if the Trustee determines in its sole discretion that a Participating Trust should withdraw for any reason, the Trustee shall take all steps necessary to distribute to such Participating Trust its entire interest in the Trust in accordance with Section 3.06 below as soon as practicable after the Trustee receives such notice or makes such determination.

3.03 **Other Conditions of Participation.** The Trustee may establish other conditions for eligibility to participate in any particular Fund or Class of a Fund by setting forth such conditions in the applicable Description of Classes for such Fund.

3.04 **Investments.**

(a) Subject to the Trustee's discretion, and in accordance with such procedures as the Trustee shall prescribe from time to time, a Participating Trust may, as of any Valuation Date, acquire a beneficial interest in any Class of a Fund by transferring to the Trustee, either directly or with such other trade delivery mechanisms as the Trustee in its sole discretion may permit, such assets as (i) the Plan Fiduciary of such Participating Trust shall instruct, or (ii) if such Participating Trust permits participants and beneficiaries thereof to direct investment of their accounts, and such instructions are communicated to the Trustee by such participants and beneficiaries, as such participants and beneficiaries shall instruct.

(b) A Participating Trust may invest in the Trust in cash or in-kind, or partly in cash and partly in-kind, as the Trustee in its sole discretion determines. Only cash and such other assets as are permissible investments for a Fund, and which are acceptable to the Trustee, may be invested in the Trust. The Trustee shall value assets transferred in-kind in accordance with Section 5.02 as of the Valuation Date on which such transfer is made, subject to Section 3.07 below.

(c) The Trustee shall credit the account of each Participating Trust that transfers assets to the Trust the number of Units that such assets will purchase at the value of each Unit of the Class in which the Participating Trust will acquire an interest on the Valuation Date on which the transfer is made.

3.05 **Withdrawals.** Subject to the Trustee's discretion and Section 5.03, and in accordance with such procedures as the Trustee shall prescribe from time to

time, a Participating Trust may, as of any Valuation Date, request to withdraw any number of Units of any Class of the Fund in which it has invested and has an interest.

Unless the Plan Fiduciary specifies a different Valuation Date, withdrawals will normally be effective no later than the Valuation Date following the date on which the Trustee receives the withdrawal instructions, provided that the Trustee receives such withdrawal instructions on or before 12:00 p.m. Eastern Time on such date. If the Trustee receives withdrawal instructions after 12:00 p.m., such withdrawal shall normally be effective no later than two (2) Business Days following the Trustee's receipt of such withdrawal instructions.

3.06 **Distributions upon Withdrawal.** Upon the withdrawal of Units of any Class of a Fund by a Participating Trust, subject to the provisions of Section 3.07 below, the Trustee shall distribute from such Fund to the Participating Trust making such withdrawal a sum arrived at by multiplying the number of Units withdrawn by the value of each Unit of such Class of such Fund as of the close of business on the effective date of the withdrawal.

Such sum shall be distributed in cash or in-kind, or partly in cash and partly in-kind (including, but not limited to, an in-kind distribution of beneficial interests in a Liquidating Account or Dedicated Account), as the Trustee in its sole discretion determines. Distributions to individual participants in a Participating Plan will normally be paid in cash, but the Trustee reserves the right to pay such distributions in-kind, in whole or in part, to the extent permitted under applicable law. The Trustee shall determine the value of any asset that is distributed in-kind in accordance with the procedures set forth in Section 5.02 as of the close of business on the effective date of the withdrawal.

Distributions shall be paid within a reasonable time following the effective date of the applicable withdrawal. The Trustee may, however, delay distribution of any withdrawal for up to an additional ninety (90) calendar days in the event that the Trustee determines, in good faith and in its discretion, that an earlier distribution may have an adverse impact on the Fund. Further, any distribution payment may be delayed if the Trustee determines that it cannot reasonably make such distribution payment on account of an order, directive, or other interference by an official or agency of any government, or on account of any other cause reasonably beyond its control, including, but not limited to, illiquid markets or illiquid securities. If a distribution is delayed, if permitted under applicable law, the Participating

Trust will not receive any interest or other income for the period between the effective date of the withdrawal and the date the distribution is paid.

In the absence of a proper direction from the withdrawing Participating Trust, the Trustee may in its discretion move the assets of such Participating Plan to a general trust account established by the Trustee or an Affiliate, and may charge reasonable fees for services against the Participating Trust's assets.

3.07 **Investment and Withdrawal Expenses.** The Trustee may, in its sole discretion and to the extent permissible under applicable law, determine that the actual expenses incurred, or estimated expenses expected to be incurred, in connection with a Participating Trust's investment in, or withdrawal from, a Fund should be borne by the Participating Trust making such investments or withdrawals. Such expenses shall be collected by the Trust for the exclusive benefit of the applicable Fund and be charged to such Participating Trust by reducing the number of Units issued or to be issued to any such Participating Trust or the amount of cash or securities to be distributed to any Participating Trust, as the case may be, by the amount of such expenses, which amount the Trustee shall determine in good faith and in its sole discretion.

ARTICLE 4
INVESTMENTS AND ADMINISTRATION

4.01 **Fund Investment Guidelines.** Subject to the provisions of this Article 4, the Trustee shall invest and reinvest the assets of each Fund in accordance with the Investment Guidelines of such Fund. The decision of the Trustee as to whether an investment is of a type which may be purchased by a Fund under a Fund's Investment Guidelines shall be conclusive and binding on all persons having an interest in the Fund. In the case of any conflict between the specific terms of the Investment Guidelines, and this Declaration of Trust, the Investment Guidelines shall control, except that no term of the Investment Guidelines may vary any term or condition of this Declaration of Trust that would cause the Trust to fail to qualify as a group trust under Revenue Ruling 81-100.

4.02 **Temporary Net Cash Overdrafts.** The Trustee may, to the extent permitted by law, extend credit to the Trust to cover temporary net cash overdrafts of the Trust, or for other permissible purposes, but shall not otherwise lend money or sell property to, or borrow money or buy property from the Trust or a Fund, nor shall the Trustee have any interest in the Trust or a Fund, other than in its fiduciary capacity.

4.03 **Ownership of Assets.** The ownership of all assets of the Trust and of each Fund shall at all times be considered as vested in the Trustee in its fiduciary capacity. No Participating Trust shall be deemed to have an ownership interest in any asset of any Fund, but each Participating Trust invested in a Fund shall have an undivided beneficial interest in such Fund and shall share proportionately with all other Participating Trusts invested in such Fund in the net income, profits, and losses thereof, to the extent permissible under applicable law and subject to the allocation of certain fees and expenses with respect to the various Classes, if any, of the Fund.

4.04 **Cash Balances.** The Trustee may hold such part of a Fund un-invested as may be reasonably necessary for orderly administration of the Fund, and may deposit cash awaiting investment or distribution in short-term investments which it determines bear a reasonable rate of interest, or in interest-bearing accounts maintained by any bank or savings association, so long as the deposits of such bank or savings association are insured by the Federal Deposit Insurance Corporation up to the applicable limits.

4.05 **Dealings with the Funds.** All persons extending credit to the Trust for a particular Fund, contracting with the Trustee with respect to a Fund, or having any claim of any type related to a Fund hereunder (including, but not

limited to, contract, tort and statutory claims) shall look only to the assets of such Fund (and not to the assets of any other Fund) for payment under such credit, contract or claim. No Participating Trust, or any beneficiary, trustee, employee or agent thereof, or the Trustee (or any Affiliate), or any of the officers, directors, shareholders, partners, employees or agents of the Trustee (or any Affiliate) shall be personally liable for any obligation of any Fund. Every act or thing whatsoever executed or done by or on behalf of any Fund shall be conclusively deemed to have been executed or done only by or for such Fund, and no Fund shall be answerable for any obligation assumed or liability incurred by another Fund established hereunder.

4.06 **Management Authority.** The Trustee shall have exclusive management and investment authority with respect to any Fund established pursuant to this Declaration of Trust. Subject to the foregoing, the Trustee may retain and consult with such investment advisers or other consultants, including, but not limited to, any Affiliate of the Trustee, as the Trustee in its sole discretion may deem advisable, to assist it in carrying out its responsibilities under this Declaration of Trust pursuant to Section 4.07(v) below. The Trustee may, in its sole discretion, incorporate the advice of such investment advisers and other consultants into any Investment Guidelines, investment objectives, or restrictions. Notwithstanding the appointment of an investment adviser or consultant, all final investment decisions for a Fund shall be made by the Trustee.

4.07 **Management and Administrative Powers.** The Trustee shall have the rights, powers, and privileges of an absolute owner in the management and administration of each Fund established pursuant to this Declaration of Trust. In addition to and without limiting the powers and discretion conferred upon the Trustee elsewhere in this Declaration of Trust, but subject to any restrictions in the Investment Guidelines with respect to the Fund(s), or by applicable law, the Trustee shall have the following discretionary powers with respect to the Trust:

(a) To subscribe for and to invest and reinvest Trust assets in, to enter into contracts with respect to, and to hold for investment and to sell or otherwise dispose of any property whatsoever and wherever situated, and whether or not productive of income or consisting of wasting assets, including, but not limited to: (i) asset-backed securities, bankers' acceptances, bonds, commercial paper, debentures, mortgages, notes, and all other evidences of indebtedness; (ii) beneficial interests in any trusts; (iii) calls, puts, spreads, straddles or any combination thereof; (iv) certificates of

demand, demand or time deposits, (v) commodity or security futures, including contracts for the future delivery of currency or money market instruments; (vi) common and preferred stocks; (vii) convertible securities, limited partnership interests, participations or profit-sharing interests, subscription rights, warrants and all other contracts for or evidences of equity interests; (viii) direct or indirect interests in mortgages on real estate and real estate; (ix) foreign currencies; (x) forward and spot contracts; (xi) indexed and variable interest notes and investment contracts; (xii) individual securities, both domestic and foreign; (xiii) interests in collective investment funds that are exempt from tax under the Code (including but not limited to interests in any collective investment fund the Trustee or any of its Affiliates maintain (and while the assets are so invested, such collective investment funds and the instruments pursuant to which such collective investment funds are established shall constitute a part of this Declaration of Trust with respect to the Fund that holds such interest)); (xiv) obligations guaranteed or issued by foreign sovereign governments; (xv) obligations guaranteed or issued by state or local governments or instrumentalities; (xvi) obligations guaranteed or issued by the U.S. Government and its agencies and instrumentalities; (xvii) options on futures contracts; (xviii) options on indexes and securities; participation and trust certificates; (xix) repurchase agreements; (xx) securities issued by registered or unregistered investment companies (including but not limited to such companies that the Investment Adviser, the Trustee or any of their respective Affiliates maintains or advises); (xxi) security-based and non-security-based swap agreements; and (xxii) uninvested cash, pending investment or distribution.

(b) To lend, pledge, mortgage, hypothecate, write options on and lease any of the securities, instruments or assets referred to in Section 4.07(a) above, and without limiting the foregoing, to engage in any securities lending program on behalf of the Trust in compliance with applicable law (and in connection therewith, to direct the investment of cash collateral and other assets received as collateral in connection therewith), and during the term of such loan of securities to permit the securities so lent to be transferred in the name of and voted by the borrower, or others;

(c) To make distributions to the Participating Trusts, payable in cash, property or any combination of cash and property as determined by the Trustee in its sole discretion, out of the assets of the Trust;

(d) To establish and maintain bank, brokerage, commodity, currency, and other similar accounts, whether domestic or foreign, to enter into agreements in connection therewith, and, from time to time, to deposit securities or other Trust assets in such accounts;

(e) To sell securities and other assets for cash or upon credit, to convert, redeem, or exchange securities or property, to tender securities pursuant to tender offers, or otherwise to dispose of any securities or other assets at any time held by a Fund, or by the Trustee on behalf of a Fund;

(f) Subject to Section 4.05 above, to borrow money and in connection with any such borrowing, to issue notes or other evidences of indebtedness to secure such borrowing by mortgaging, pledging, or otherwise subjecting the Trust assets to security interests, to lend Trust assets, to endorse or guarantee the payment of any notes or other obligations of any person, and to make contracts of guaranty or suretyship, or otherwise assume liability for payment thereof;

(g) To incur and pay out of the assets of a Fund any charges, taxes, and expenses which in the opinion of the Trustee are necessary or incidental to, or in support of, the carrying out of any of the purposes of this Declaration of Trust or the Investment Guidelines applicable to such Fund (including, but not limited to, the compensation and fees for the Trustee, custodians, the valuation committees or agents, depositories, pricing agents, transfer agents, accountants, attorneys, brokers and broker-dealers, proxy voting agents and other independent contractors or agents);

(h) To join with other holders of any securities or debt instruments in acting through a committee, depositary, voting trustee or otherwise, and in that connection to deposit any security or debt instrument with, or transfer any security or debt instrument to, any such committee, depositary or trustee, and to delegate to them such power and authority with relation to any security or debt instrument (whether or not so deposited or transferred) as the Trustee shall deem proper, and to agree to pay, and to pay, such portion of the expenses and compensation of such committee, depositary or trustee as the Trustee shall deem proper;

(i) To enter into joint ventures, general or limited partnerships, limited liability companies, and any other combinations or associations formed for investment purposes;

(j) To collect and receive any and all money and other property due to the Trust and to give full discharge thereof;

(k) To maintain the indicia of ownership of assets outside the United States to the extent permitted by applicable law;

(l) To transfer any assets of the Trust to a custodian or sub-custodian employed by the Trustee;

(m) To retain any property received by the Trust at any time, and to sell or exchange any property for cash, on credit or for other consideration, at public or private sale;

(n) To exercise or dispose of any conversion, subscription, or other rights, discretionary or otherwise, including but not limited to the right to vote and grant proxies appurtenant to any property held by the Trust at any time, and to vote and grant proxies with respect to all investments held by the Trust at any time;

(o) To renew or extend any obligation held by the Trust;

(p) To register or cause to be registered such property in the name of a nominee of the Trustee or any custodian or sub-custodian appointed by the Trustee, provided that the records of the Trustee and any such custodian or sub-custodian shall show that such property belongs to the Trust;

(q) To deposit securities with a securities depository and to permit the securities so deposited to be held in the name of the depository's nominee, and to deposit securities issued or guaranteed by the U.S. government or any agency or instrumentality thereof, including but not limited to securities evidenced by book-entry rather than by certificate, with the U.S. Department of the Treasury, a Federal Reserve Bank, or other appropriate custodial entity, provided that the records of the Trustee or any custodian or sub-custodian appointed by the Trustee shall show that such securities belong to the Trust;

(r) To settle, compromise, or submit to arbitration any claims, debts, or damages due or owing to or from the Trust to commence or defend suits or legal proceedings whenever, in the Trustee's judgment, any interest of the Trust so requires, to represent the Trust in all suits or

legal proceedings in any court or before any other body or tribunal, and to pay from the Trust all costs and reasonable attorneys' fees in connection therewith;

(s) To organize or acquire one or more corporations, wholly or partly owned by the Trust, each of which may be exempt from Federal income taxation under the Code, to appoint ancillary or subordinate trustees, custodians, or sub-custodians to hold title to or other indicia of ownership of property of the Trust in those jurisdictions, domestic or foreign, in which the Trustee is not authorized to do business, and to define the scope of the responsibilities of such trustee, custodian, or sub-custodian;

(t) Subject to Section 4.06 above, to employ suitable agents, including but not limited to agents or pricing services, to perform valuations of the assets of the Trust, custodians and sub-custodians, transfer agents, investment advisers, consultants, auditors, depositories, and counsel, domestic or foreign (including but not limited to entities which are Affiliates of the Trustee), and subject to applicable law, to pay their reasonable expenses and compensation from the Trust;

(u) To establish and terminate Funds and Classes, and to allocate the assets of the Trust among such Funds and Classes (subject to the Description of Classes applicable to any such Fund);

(v) To make, execute, and deliver any and all contracts and documents deemed necessary and proper for the accomplishment of the Trustee's powers and responsibilities under this Declaration of Trust; and

(w) To do all other acts in its judgment necessary or desirable for the proper administration of the Trust, including without limitation, modifying, amending or terminating this Declaration of Trust in the manner provided in Article 7, or with respect to the investment, disposition, or liquidation of any assets of the Trust, although the power to do such acts is not specifically set forth herein.

In construing the provisions of this Declaration of Trust, the presumption shall be in favor of a grant of power to the Trustee. Such powers of the Trustee may be exercised without order of or resort to any court or governmental authority or agency.

ARTICLE 5
VALUATION, DIVIDENDS, ACCOUNTING, RECORDS AND REPORTS

5.01 **Valuation of Units.** As of each Valuation Date, the Trustee shall determine the value of the Units of each Class of each Fund established pursuant to this Declaration of Trust in accordance with the following procedures:

(a) The Trustee shall determine the value of the assets of a Fund in accordance with the rules set forth in Section 5.02 below. The Trustee shall reflect any changes in security positions no later than on the second (2nd) Business Day following the trade date.

(b) The Trustee shall subtract from the value determined under Section 5.01(a) above any expenses, charges, or other liabilities incurred or accrued by the Fund and not allocated to a particular Class of the Fund in the Description of Classes, as determined by the Trustee in good faith in accordance with procedures consistently followed and uniformly applied. Such charges shall be allocated to Units of all Classes, and to Participating Trusts within a Class, proportionately according to the aggregate number of Units of the Fund represented by each Class immediately prior to the allocation under this Section 5.01.

(c) The Trustee shall subtract from the value determined under Sections 5.01(a) and (b) above with respect to each Class any expenses, charges or other liabilities incurred or accrued by the Fund with respect to such Class in accordance with the Description of Classes. Such charges shall be allocated to Units of the applicable Class proportionately according to the aggregate number of Units of the Class immediately prior to the allocation under this Section 5.01.

(d) The Trustee shall divide the net value determined under Section 5.01(c) above by the total number of Units of such Class in existence as of the relevant Valuation Date.

Except where provided to the contrary in Section 5.03 below, the Trustee shall value the Units of each Class of each Fund after the close of business of each Business Day.

5.02 **Valuation of Assets.** The assets of each Fund shall be valued using the following valuation rules. The Trustee shall have the power and duty to determine the value of the assets of each Fund.

(a) Unless otherwise determined by the Trustee, in determining the value of the assets of a Fund on a Valuation Date, the Trustee shall, except as provided in Section 5.02(b) below, value all securities and other assets of the Fund for which market quotations are readily available at their market value, and for all other securities and other assets of the Fund for which market quotations are not readily available at prices that, in the opinion of the Trustee, represent the fair value of such securities or assets. Certain or all of the securities and other investments shall be stated at the fair value based on valuations furnished by one or more pricing services or agents approved by the Trustee.

(b) Short-term investments having a maturity of up to one hundred eighty (180) days may, if market quotations are not readily available and in the sole discretion of the Trustee, be valued at cost with accrued interest, discount earned or premium amortized included or reflected, as the case may be, in interest receivable.

(c) Following the valuations of securities or other portfolio assets in terms of the currency in which the valuation is expressed ("Local Currency"), the Trustee shall convert the valuation of these assets to U.S. dollars on the basis of conversion of the Local Currencies into U.S. dollars at the prevailing currency exchange rates as determined by the Trustee on the applicable Valuation Date. The Trustee and any pricing agents or services approved by the Trustee may, in its or their sole discretion, consider and rely upon any regularly published reports of sales, bid, asked and closing prices, and over-the-counter quotations for the values of any listed or unlisted securities, assets, or currencies. The reasonable and equitable decision of the Trustee regarding whether a method of valuation fairly indicates fair value, and the selection of a pricing agent or service, shall be conclusive and binding upon all persons, Participating Trusts, and the Trust.

5.03 **Suspension of Valuations, and Investment and Withdrawal Rights.** Notwithstanding anything to the contrary elsewhere in this Declaration of Trust, the Trustee, in its sole discretion, may suspend (a) the valuation of the assets or Units of any Fund, (b) the right to make investments in or additions to any Fund, or (c) the right to make withdrawals from any Fund. The Trustee may make such suspensions for the whole or any part of any period when: (i) any market or stock exchange on which a significant portion of the investments of such Fund are quoted is closed (other than for ordinary holidays), or dealings therein are restricted or suspended, or a closing of any

such market or stock exchange or a suspension or restriction of dealings is threatened; (ii) there exists any state of affairs which, in the opinion of the Trustee, constitutes an emergency as a result of which disposition of the assets of such Fund would not be reasonably practicable or would be seriously prejudicial to the Participating Trusts; (iii) there has been a breakdown in the means of communication normally employed in determining the price or value of any of the investments of such Fund or of current prices on any stock exchange on which a significant portion of the investments of such Fund are quoted, or for any reason the prices or values of any investments owned by such Fund cannot reasonably be promptly and accurately ascertained; (iv) the transfer of funds involved in the realization or acquisition of any investment cannot, in the opinion of the Trustee, be effected at normal rates of exchange; or (v) the normal settlement procedures for the purchase or sale of securities or other assets cannot be effected in the customary manner or in accordance with generally applicable time periods.

5.04 **Accounting Rules and Fiscal Year.** The Trustee shall account for the financial operations of the Trust on an accrual basis and for any Dedicated or Liquidating Account on a cash basis, in accordance with generally accepted accounting principles. The fiscal year of the Trust initially shall be the calendar year.

5.05 **Expenses and Taxes.** The Trustee may charge to a Fund (a) the cost of money borrowed, (b) costs, commissions, income taxes, withholding taxes, transfer and other taxes and expenses associated with the holding, purchase, and sale, and receipt of income from investments, (c) the reasonable expenses of an audit of the Fund and the proportionate expenses of an audit of the Trust, (d) reasonable attorneys' fees and litigation expenses, (e) the Trustee's compensation as provided in Section 6.03, subject to any special allocation to any Class or Classes as provided in Section 2.02, (f) the fees and expenses of any investment adviser or consultant engaged by the Trustee in accordance with Sections 4.06 and 4.07(t) pursuant to the terms of the applicable Investment Guidelines, and (g) any other expense, claim, or charge properly payable from a Fund under this Declaration of Trust and applicable law. The Trustee may also charge to a particular Class of a Fund any other expense, claim or charge that is specifically allocated to such Class under the Description of Classes. The Trustee shall allocate among the Funds (and Classes therein) established pursuant to this Declaration of Trust the charges and expenses described in this Section 5.05 and in Section 6.10 in such manner as it shall deem equitable, and such allocation shall be conclusive

and binding upon all persons, Participating Trusts, and the Trust. Notwithstanding the foregoing, the compensation to be received by the Trustee and the Investment Adviser for their services with respect to a Fund (and, if applicable, a particular Class of a Fund) may be paid by the individual Participating Trusts pursuant to an arrangement that the Trustee may make with each such Participating Trust independently of this Declaration of Trust.

5.06 **Books, Records, Accounts, and Audits.** The Trustee shall keep such books, records, and accounts as it deems necessary or advisable in its sole discretion to account properly for the operation and administration of the Trust or any Fund thereof. The Trustee shall preserve such records for the periods and in the manner required by applicable law, including records of the beneficial ownership of Units (at the Participating Trust, but not at the individual participant, level) and of all distributions of such Units. At least once during each 12-month period, the Trustee shall cause a suitable audit, conducted by a competent and independent accounting firm, to be made of the Trust and each Fund by auditors responsible only to the Trustee's Board of Directors, who by proper resolution shall formally appoint them for such audit. The reasonable compensation and expenses of the auditors for their services with respect to a Fund shall be charged to the Fund in accordance with Section 5.05 above.

5.07 **Financial Reports.** Within ninety (90) days after the close of each fiscal year of the Trust and after the termination of a Fund, the Trustee shall prepare a written financial report, based on the audit referred to in Section 5.06 above, containing such information as may be required by applicable law and regulations.

(a) A copy of the report shall be furnished, or notice given that a copy thereof is available and will be furnished, without charge upon request to each person to whom a regular periodic accounting would ordinarily be rendered with respect to each Participating Trust. In addition, a copy of the report shall be furnished on request to any person, and the Trustee may make a reasonable charge therefore.

(b) If no written objections to specific items in the financial report are filed with the Trustee within sixty (60) days after the report is sent by the Trustee, the report shall be deemed, to the fullest extent permitted under applicable law, to have been approved with the same effect as though judicially approved by a court of competent jurisdiction in a proceeding in which all persons interested were made parties and were properly represented before such court, and to the fullest extent

permitted by applicable law, the Trustee shall be released and discharged from liability and accountability with respect to the propriety of its acts and transactions disclosed in the report. Any such written objection shall apply only to the proportionate share of the Participating Trust on whose behalf the objection is filed and shall not affect the proportionate share of any other Participating Trust. The Trustee shall, in any event, have the right to a settlement of its accounts in a judicial proceeding if it so elects.

(c) Except as otherwise required by this Declaration of Trust or applicable law, the Trustee shall have no obligation to render an accounting to any Participating Trust or beneficiary thereof.

5.08 **Judicial Accounting.** Except to the extent otherwise provided by applicable law, only the Trustee and any person entitled to a regular periodic accounting under the provisions of any Participating Trust may require the judicial settlement of the Trustee's account, or bring any other action against the Trustee with respect to a Fund or the Trustee's action as Trustee. In any such action or proceeding it shall be necessary to join as parties only the Trustee and such persons, and any judgment or decree which may be entered therein shall be conclusive.

ARTICLE 6
CONCERNING THE TRUSTEE

6.01 **Merger, Consolidation of Trustee.** Any corporation or association (a) into which the Trustee may be merged or with which it may be consolidated, (b) resulting from any merger, consolidation, or reorganization to which the Trustee may be a party, or (c) to which all or any part of the Trustee's fiduciary business which includes the Trust may be transferred shall become successor Trustee, and shall have all the rights, powers, and obligations of the Trustee under this Declaration of Trust, without the necessity of executing any instrument or performing any further act.

6.02 **Limitation of Liability; Indemnification.** Except as otherwise provided by applicable law, (a) the Trustee shall not be liable for any act or omission, or for any loss in connection therewith or resulting therefrom, except to the extent such loss shall have been caused by its own negligence, willful misconduct, lack of good faith, or breach of fiduciary duty, and (b) the Trustee shall be indemnified, protected and held harmless by the Trust with respect to any loss, liability, or claim in connection with or resulting from any act or omission made in good faith and without willful misconduct, negligence or breach of fiduciary duty in the administration of the Trust or the investment of Trust assets, including all reasonable fees and expenses of counsel and all other fees and expenses reasonably incurred in the its defense.

Whenever in this Declaration of Trust it is provided that the Trustee may exercise any power or the Trustee may do any act or thing at its discretion, the discretion of the Trustee shall be absolute and unconditional, and its determination to act or refrain from acting, or to exercise such power or refrain from so doing, shall be binding upon each Participating Trust and each corporation, firm or person having or claiming any interest therein. No mistake made in good faith and in the exercise of due care in connection with the administration of the Trust shall be deemed to be a violation of the Trustee's duties if, promptly after the discovery of the mistake, the Trustee takes whatever action may be practicable in the circumstances to remedy the mistake.

The Trustee shall not have any liability or responsibility for any act or omission on the part of any other fiduciary of any Participating Trust, except as may otherwise be required by law.

6.03 **Trustee Compensation.** The Trustee shall be entitled to receive reasonable compensation for its services in managing and administering the Trust. The

compensation, custodial fees and expenses of the Trustee shall be paid from the Trust, except to the extent that Plan Fiduciaries have arranged for payment from other sources. Notwithstanding the foregoing, the Trust shall pay or bear any fees charged to any pooled investment fund or other entity in which the Trust may have invested, to the extent permitted by applicable law. If the Trust purchases shares of mutual funds or other collective investment trusts with respect to which the Trustee or any Affiliate may receive additional compensation, the Trustee will comply as necessary with the terms of applicable law.

6.04 **Trustee's Authority.** No person dealing with the Trustee shall be under any obligation to inquire regarding the authority of the Trustee, the validity or propriety of any transaction, or the application of a payment made to the Trustee.

6.05 **Reliance on Experts and Others.** The Trustee shall be, in the performance of its duties and to the extent permitted by applicable law, fully indemnified, protected and held harmless by the Trust in relying in good faith upon the books of account or other records of the Trust, or upon reports made to the Trustee by (a) the custodians, depositories, pricing agents, or transfer agents of the Trust, or (b) any investment advisers, accountants, or attorneys of the Trustee. Officers, employees, and agents of the Trustee may take advice of counsel with respect to the meaning and operation of this Declaration of Trust, the Investment Guidelines, or a Description of Classes, and shall be under no liability for any act or omission in accordance with such advice or for failing to follow such advice, except as provided by law. The exercise by the Trustee of its powers and discretion hereunder and the interpretation in good faith by the Trustee of the meaning or effect of any provisions of this Declaration of Trust, the Investment Guidelines, or a Description of Classes shall be binding upon everyone interested.

6.06 **Reliance on Communications.** The Trustee shall be, to the extent permitted by applicable law, fully indemnified, protected and held harmless by the Trust in acting upon any instrument, certificate, or document believed by it to be genuine and to be signed or presented by the proper person or persons. The Trustee shall have no duty to make an investigation or inquiry as to any statement contained in any such writing, but may accept the same as conclusive evidence of the truth and accuracy of the statements therein contained.

6.07 **Action by Trustee.** The Trustee may exercise its rights and powers and perform its duties hereunder through such of its officers and employees as

shall be authorized to perform such functions by the Trustee's Board of Directors through general or specific resolutions. However, the Trustee solely shall be responsible for the performance of all rights and responsibilities conferred on it as Trustee hereunder, and no such officer or employee individually shall be deemed to have any fiduciary authority or responsibility with respect to the Fund, except as otherwise provided by applicable law.

6.08 **Discretion of the Trustee.** The discretion of the Trustee, when exercised in good faith and with reasonable care under the circumstances then prevailing, shall be final and conclusive and binding upon each Participating Trust and all persons interested therein.

6.09 **Situs.** The Trust shall be maintained at all times as a domestic trust in the United States of America, and the Trustee shall at all times be a "bank" within the meanings of Section 202(a)(2) of the Investment Advisers Act of 1940, as amended, and within the meaning of Section 2(a)(5) of the Investment Company Act of 1940, as amended.

6.10 **Payment of Expenses and Taxes.**

(a) To the extent permitted under applicable law, all direct expenses incurred by the Trustee in the performance of its duties hereunder, including (i) all brokerage commissions, transfer taxes and all other transaction costs incurred in connection with the operation of any Fund of the Trust, (ii) all expenses directly incurred in connection with the acquisition or holding of real or personal property, any interest therein or mortgage thereon, or any interest which may be payable on money borrowed by the Trustee for the purposes of a Fund of the Trust and any other investment expense directly related to the management of a Fund's investments or assets (including printing, wiring, mailing, agents' fees, filing fees and pricing services, and fees for legal and auditing services rendered to the Trustee), (iii) all taxes of any and all kinds whatsoever that may be levied or assessed under existing or future laws upon or in respect of the Funds or the income thereof which the Trustee in its sole discretion deems applicable, (iv) expenses of litigation, and (v) all other proper charges and disbursements (including fees and expenses of counsel) of the Trustee (including extraordinary expenses), unless otherwise paid, shall be withdrawn by the Trustee and paid from the Trust and shall be allocated among the Funds and Classes thereof in the proportions

in which they are properly so allocable in accordance with Section 5.05, and such allocation shall be deemed conclusive and binding.

(b) In the event that a tax that is generally assessed against the Trust is not payable with respect to assets beneficially owned by one or more Participating Trusts, any reduction in the tax payable, or any refund of the tax previously paid, will be paid to the Participating Trust or trust involved in the appropriate amounts as determined by the Trustee. The Trustee shall not be required to institute any claim for refund of any such tax (other than tax reclaims of foreign tax, subject to the provision to the Trustee of information necessary to prepare such tax reclaims), but may do so if the Participating Trusts to benefit therefrom agree to bear the expense thereof.

6.11 **Resignation.** The Trustee shall serve as such until its resignation. The Trustee may resign upon one hundred eighty (180) days' written notice to the Plan Fiduciaries. In the event of a vacancy in the office of Trustee, a successor Trustee shall be appointed by a majority-in-interest of the Participating Trusts; provided, however, that any successor Trustee shall be a "bank" as defined in Section 202(a)(2) of the Investment Advisers Act of 1940, as amended, and section 2(a)(5) of the Investment Company Act of 1940, as amended. The successor Trustee shall provide its predecessor with its written acceptance of the trusteeship. In such an event, the Investment Adviser may suggest a successor Trustee, at which point the Trustee will request that the Participating Trusts promptly vote on the appointment of such successor Trustee.

6.12 **Other Collective Trust Funds.** The Trustee shall have the absolute right to establish other collective investment funds, including such funds that have investment objectives and policies similar to those of this Trust and any Fund.

ARTICLE 7
AMENDMENT AND TERMINATION

7.01 **Amendment.** The Trustee may, by action of its board of directors, amend or restate this Declaration of Trust at any time to conform to applicable law, including the applicable provisions of the Code, and written notice of any such amendment shall be furnished to Participating Trusts promptly after the execution of such amendment. The Trustee, by action of its board of directors, may amend the Description of Classes and the Investment Guidelines (either with respect to an existing Class or Fund or to create additional Classes or Funds) at any time. The Trustee may, by action of its board of directors, make other amendments to this Declaration of Trust after notifying all Participating Trusts in advance, and no such amendment shall take effect until thirty (30) days after notice thereof shall have been delivered to each Plan Fiduciary, unless all Participating Trusts expressly consent to an earlier effective date. Any amendment adopted by the Trustee shall be binding upon each Participating Trust and all persons interested therein.

7.02 **Termination.** The Trustee may, by action of its board of directors, terminate the Trust, any Fund or any Class thereof upon thirty (30) days' advance written notice to the Plan Fiduciaries of Participating Trusts invested in the Trust or the applicable Fund or Class; provided, however, that the Trust shall be terminated as promptly as practicable in the event the Internal Revenue Service takes any action to deny tax-exempt status to the Trust. In such event, the assets of the Trust or the assets represented by such liquidated Fund or Class thereof, as applicable, shall be administered and distributed as if it were a Liquidating Account. No withdrawal of any amounts from this Trust by any Participating Trust shall operate to terminate this Declaration of Trust, or entitle such Participating Trust to claim an accounting or to take any action or proceeding in any court of competent jurisdiction for a partition or winding up of the Trust created hereunder, or otherwise affect the rights, obligations and liabilities of any Participating Trust or the parties hereto.

7.03 **Notices.** The Trustee shall give written notice of any material amendment, or of the termination of a Fund or of the Trust, to each person to whom a regular periodic accounting would ordinarily be rendered with respect to each affected Participating Trust. Any such notice or other notice or communication required or permitted hereunder shall be deemed to have been given at the time the Trustee delivers the notice personally or mails the

notice first class, postage prepaid, registered, or certified to the address of the appropriate recipient as shown on the Trustee's records.

ARTICLE 8
LIQUIDATING ACCOUNTS AND DEDICATED ACCOUNTS

8.01 Establishment of Liquidating Accounts and Dedicated Accounts.

(a) The Trustee may in its sole discretion, from time to time, transfer any illiquid, impaired, or defaulted investment of any Fund to a Liquidating Account. The primary purpose of each Liquidating Account shall be to facilitate the liquidation and pricing of the assets contained therein for the benefit of the Participating Trusts holding a beneficial interest therein. The period during which the Trustee may continue to hold any such assets shall rest in its sole discretion.

(b) The Trustee may in its sole discretion, from time to time, establish one or more Dedicated Accounts related to a Fund to hold cash, securities, or other assets received from, and other investments made for the benefit of, one or more specific Participating Trusts, pending the investment of such deposits in securities or other investments which the Trustee considers suitable for such Fund, or in connection with the distribution or withdrawal of cash, securities or other investments held for the benefit of the Participating Trusts holding a beneficial interest in such Dedicated Account, or for such other purposes as the Trustee shall deem appropriate.

(c) Each Liquidating Account or Dedicated Account shall be maintained and administered solely for the ratable benefit of the Participating Trusts whose cash, securities or other assets has been transferred thereto or deposited therein, and each Participating Trust whose cash, securities or other assets have been transferred thereto or deposited therein shall have a beneficial interest therein equal to the portion of such account represented by such transfer or deposit.

8.02 Additional Powers and Duties of Trustee. The Trustee shall have, in addition to all of the powers granted to it by law and by the terms of this Declaration of Trust, each and every discretionary power of management of the assets contained in a Liquidating Account or a Dedicated Account (and of all proceeds of such assets) which the Trustee shall deem necessary or convenient to accomplish the purposes of such Liquidating Account or Dedicated Account. At the time of the establishment of a Liquidating Account or a Dedicated Account, and upon each deposit of additional money to such Liquidating Account or Dedicated Account, the Trustee shall prepare a schedule showing the interest of each Participating Trust therein. When the assets of such Liquidating Account or Dedicated Account shall have been

completely distributed, such schedule shall be held thereafter as part of the permanent records of the Fund to which the Liquidating Account or Dedicated Account relates. The Trustee shall include in any report of audit for a Fund a report for each related Liquidating Account and Dedicated Account established hereunder. For purposes hereof, the value of assets transferred to or held in a Liquidating Account or Dedicated Account (and the beneficial interest of any Participating Trust therein) may be based upon value as provided in Section 5.02, or amortized cost, or book value, as determined by the Trustee in its sole discretion.

8.03 **Borrowings.** If in the Trustee's reasonable opinion such action is advisable for the protection of any asset held therein, the Trustee may borrow from others (to be secured by the assets held in a Liquidating Account) and to make and renew such note or notes therefore as the Trustee may determine.

8.04 **Distributions.** The Trustee may make distributions from a Liquidating Account or Dedicated Account in cash or in-kind or partly in cash and partly in-kind, and the time and manner of making all such distributions shall rest in the sole discretion of the Trustee; provided that all such distributions as of any one time shall be made ratably and on the same basis among the Participating Trusts which hold a beneficial interest in such Liquidating Account or Dedicated Account. Income, gains, and losses attributable to a Liquidating Account or Dedicated Account shall be allocated among the Participating Trusts that hold a beneficial interest in such Liquidating Account or Dedicated Account in proportion to such respective beneficial interests.

Notwithstanding anything herein to the contrary, with respect to a Dedicated Account established to pay the Participating Trusts for the withdrawal of Units from the Fund pursuant to Section 3.05, the Trustee shall have satisfied its obligation to the Participating Trusts to pay the amount due upon redemption, so long as (a) the Trustee has transferred to the Dedicated Account, as soon as reasonably practicable after the applicable Valuation Date which has established the value of the Units of the Fund so redeemed, securities and other assets with a value (determined in accordance with Section 5.02) as of the applicable Valuation Date before consideration of applicable transaction expenses (as described in Section 3.06) equal to the value of the Units so redeemed, and (b) the Trustee pays out to the Participating Trusts the net proceeds realized upon the sale, disposition, or liquidation of the securities and assets in such Dedicated Account as provided in this Section 8.04 within a reasonable time after the transfer of such securities and other assets to such Dedicated Account.

8.05 **Effect of Establishing Liquidating Accounts and Dedicated Accounts.** After an asset of a Fund has been set apart in a Liquidating Account or when assets of one or more Participating Trusts are held in a Dedicated Account, such assets shall be subject to the provisions of this Article 8, but such assets shall also be subject to all other provisions of this Declaration of Trust insofar as the same shall be applicable thereto and not inconsistent with the provisions of this Article 8. For the purpose of investments in and additions to and withdrawals from a Fund, and for purposes of determining the value of the Units of a Fund and the income, gains, or losses of a Fund that are allocated among Participating Trusts pursuant to the other provisions of this Declaration of Trust, the value, income, gains, or losses of any assets held in any Liquidating Account or Dedicated Account shall be excluded. As of any subsequent Valuation Date selected by the Trustee in its sole discretion, any assets held in a Dedicated Account may be valued in accordance with Section 5.02 and transferred by the Trustee to the appropriate Fund, in which event the Participating Trusts which hold a beneficial interest in such Dedicated Account shall be allocated in proportion to their respective beneficial interests such number of Units of such Fund as would be issued if assets of the Dedicated Account were treated as an investment in the Fund pursuant to Section 3.04.

8.06 **Fees and Expenses.** Each Liquidating Account and Dedicated Account shall be charged with the expenses attributable to the administration and management of such account (including but not limited to brokerage fees, settlement charges, stamp taxes, duty, stock listing and related expenses, attorneys' fees and auditing fees). Such Liquidating Accounts and Dedicated Accounts shall remain as part of the assets of the applicable Fund for purposes of determining the fee payable to the Trustee in accordance with its fee schedule as may apply from time to time.

ARTICLE 9
NONDIVERSION; PROHIBITED TRANSACTIONS; BONDING

9.01 **Diversion, Assignment Prohibited.** The following provisions shall apply, notwithstanding any provision of this Declaration of Trust or any amendment hereto to the contrary.

(a) This Declaration of Trust (and any amendment hereto) is adopted as part of the Participating Trust.

(b) Only Eligible Trusts may be admitted as Participating Trusts

(c) No part of the corpus or income of the Trust which equitably belongs to a Participating Trust, other than such part as is required to pay taxes and the expenses of the Trust as provided in this Declaration of Trust, shall be used or diverted to any purposes other than for the exclusive benefit (as that term is used in Section 401(a) of the Code) of the Participating Trust, or its participants or their beneficiaries who are entitled to benefits under such Participating Trust.

(d) Each Participating Trust shall be exempt from Federal income taxation.

(e) A separate account will be maintained to reflect the interest of each Participating Trust, including separate accounting for contributions to the Trust by such Participating Trust, disbursements made from each such Participating Trust's account and the investment experience of the Trust (or Fund) allocable to that account.

(f) No part of the Trust which equitably belongs to a Participating Trust shall be subject to any legal process, levy of execution, receivership, or attachment or garnishment proceedings for payment of any claim against any such Participating Trust or any employee or beneficiary thereof, and such interests shall not pass to any trustee in bankruptcy or be reached or applied by any legal process for the payment of any obligation of any Participating Trust.

(g) Each Participating Trust shall expressly provide in its governing document that it is impossible, prior to the satisfaction of all liabilities with respect to participants and their beneficiaries, for any part of the corpus or income of the Participating Trust to be used for, or diverted to, purposes other than for the exclusive benefit (as that term is used in Section 401(a) of the Code) of the Participating Trust, or its

participants or their beneficiaries who are entitled to benefits under such Participating Trust.

(h) No Participating Trust may assign all or any portion of its equity or interest in the Trust

9.02 **Amendments to this Article.** The provisions of this Article 9 may only be amended on such terms as will permit the Trust to continue as a tax-exempt trust under Section 501(a) of the Code.

9.03 **9.04 Bonding.** The Trustee will comply with any applicable bonding requirements.

ARTICLE 10
GENERAL PROVISIONS

10.01 **Governing Law.** This Declaration of Trust shall be construed, and the Fund shall be administered, in accordance with the internal laws of the State of New Hampshire, except to the extent that such laws have been preempted by applicable Federal law.

10.02 **Inspection.** A copy of this Declaration of Trust shall be kept on file at the principal office of the Trustee, available for inspection during normal business hours. A copy of this Declaration of Trust shall be sent upon request to each person to whom a regular periodic accounting would be rendered with respect to each Participating Trust, and shall be furnished to any other person upon request for a reasonable charge.

10.03 **Titles.** The titles and headings in this Declaration of Trust are for convenience and reference only, and shall not limit or affect in any manner any provision contained therein.

10.04 **Successors and Assigns.** This Declaration of Trust shall be binding upon the respective successors and assigns of the Trustee and the Participating Trusts.

10.05 **Invalid Provisions.** If any paragraph, Section, sentence, clause or phrase contained in this Declaration of Trust is illegal, null, or void, or against public policy, the remaining provisions thereof shall not be affected.

IN WITNESS WHEREOF, VantageTrust Company, LLC has caused this Declaration of Trust to be executed and delivered on the date first written above.

By: _____

Name: Angela C. Montez

Title: Assistant Secretary

Date:

VANTAGETRUST FUNDS

VANTAGECARE RETIREMENT HEALTH SAVINGS PLAN
VANTAGETRUST II INVESTMENT OPTIONS

The table below shows the VantageTrust II Multiple Collective Investment Funds Trust ("VantageTrust II") investment options that may be available through your VantageCare Retirement Health Savings Plan. VantageTrust II is a group trust established and maintained by VantageTrust Company, LLC, a wholly owned subsidiary of ICMA-RC. VantageTrust II provides for the commingling of assets of certain benefit trusts and benefit plans as defined in its Declaration of Trust and Participation Agreement, and is only available for investment by such eligible benefit trusts and benefit plans.

The VantageTrust II Funds are not mutual funds. Fund units are not deposits of VantageTrust Company and are not insured by the Federal Deposit Insurance Corporation or any other agency. The VantageTrust II Funds are securities that have not been registered under the Securities Act of 1933 and are exempt from investment company registration under the Investment Company Act of 1940.

Each VantageTrust II Fund, except for the VT II Cash Management Fund, invests substantially all of its assets in a series of The Vantagepoint Funds, a registered mutual fund that is sponsored by ICMA-RC and managed by its affiliate. Additional information about The Vantagepoint Funds can be found in the prospectus that is available online at www.icmarc.org/investments or by calling 800-669-7400.

Before investing in a VantageTrust II Fund you should carefully consider your investment goals, tolerance for risk, investment time horizon, and personal circumstances. There is no guarantee that a VantageTrust II Fund will meet its investment objective and you can lose money.

To ensure that you have the most current fund information, please log on to Account Access at www.icmarc.org for a complete list of investment options available in your plan or call ICMA-RC Investor Services at 800-669-7400.

For additional information regarding the VantageTrust II Funds, including a description of the principal risks, please consult the VantageTrust II Funds Disclosure Memorandum, which is available when you log in at www.icmarc.org, or upon request by calling Investor Services at 800-669-7400.

CASH MANAGEMENT FUND

VT II Cash Management Fund

Fund Code 8856

Investment Objective	To seek as high a level of current income as is consistent with the preservation of capital and the maintenance of liquidity.
Principal Investment Strategies	The Fund invests substantially all of its assets in a single third-party fund. The underlying fund normally invests in a diversified portfolio of high quality, dollar-denominated short-term debt securities, including: securities issued or guaranteed as to principal and interest by the U.S. government or its agencies or instrumentalities; certificates of deposit, time deposits, bankers' acceptances, and other short-term securities issued by domestic or foreign banks or their subsidiaries or branches; repurchase agreements, including tri-party repurchase agreements; asset-backed securities; and commercial paper and other short-term corporate obligations, including those with floating or variable rates of interest. Normally, the underlying fund invests at least 25% of its net assets in bank obligations.
Principal Risks	Interest Rate Risk, Credit Risk, Liquidity Risk, Banking Industry Risk, Foreign Securities Risk, U.S. Government Agency Risk, U.S. Treasury Securities Risk, Repurchase Agreement Counterparty Risk, Municipal Securities Risk
Expense Ratio	0.83%

FIXED INCOME FUNDS

VT II Vantagepoint Low Duration Bond Fund

Fund Code 8624

Investment Objective	To seek total return that is consistent with preservation of capital.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 80% of its net assets in bonds and other fixed income securities of varying maturities, and normally invests at least 65% of its net assets in bonds and other fixed income securities with more than one year to maturity. The underlying fund seeks to maintain a portfolio effective duration of no greater than three years. It may invest in high yield securities ("junk bonds") and floating rate loans, as well as foreign securities and derivative instruments.
Principal Risks	Credit Risk, Interest Rate Risk, Asset-Backed Securities Risk, Mortgage-Backed Securities Risk, Prepayment and Extension Risk, Municipal Securities Risk, Call Risk, U.S. Government Agency Securities Risk, Foreign Securities Risk, Foreign Currency Risk, Floating Rate Loans Risk, High Yield Securities Risk, Derivative Instruments Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	0.84%

VT II Vantagepoint Inflation Focused Fund

Fund Code 8675

Investment Objective	To offer inflation protection and income.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, in a combination of (1) inflation-indexed fixed income securities or instruments, (2) other fixed income securities or instruments, and (3) inflation-linked derivatives. To the extent that the underlying fund's subadvisers invest in fixed income securities that are not inflation-indexed, they may use inflation-linked derivatives in connection with such investments to seek to achieve the investment objective. The underlying fund generally invests in investment grade fixed income securities.
Principal Risks	Inflation-Adjusted Securities Risk, Interest Rate Risk, Credit Risk, Foreign Securities Risk, Foreign Currency Risk, U.S. Government Agency Securities Risk, Derivative Instruments Risk, Call Risk, Mortgage-Backed Securities Risk, Asset-Backed Securities Risk, Municipal Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	0.87%

U.S. STOCK FUNDS

VT II Vantagepoint Equity Income Fund

Fund Code 8625

Investment Objective	To offer long-term capital growth with consistency derived from dividend yield.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 80% of its net assets in equity securities. The underlying fund seeks to invest primarily in the common stocks of U.S. companies that its subadvisers believe will pay dividends. As a result of its income focus, certain sectors or industries may be emphasized. The underlying fund may exhibit greater sensitivity to certain economic factors (e.g., changing interest rates) than will the general stock market. It may invest in companies of all sizes, but generally focuses on larger capitalization companies. A portion of the underlying fund invests in (or obtains exposure to) stocks included in a custom version of the Russell 1000® Value Index, following an indexed or passively managed approach to investing.
Principal Risks	Stock Market Risk, Preferred Stock Risk, Style Risk, Equity Income/Interest Rate Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Indexing Risk, Foreign Securities Risk, Foreign Currency Risk, Convertible Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	0.99%

VT II Vantagepoint Growth & Income Fund

Fund Code 8647

Investment Objective	To offer long-term capital growth and current income.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, primarily in U.S. common stocks that its subadvisers believe offer the potential for capital appreciation or that may provide current income by paying dividends. Strategies used by its subadvisers include 1) focusing on large-capitalization U.S. companies whose common stocks are believed to offer potential for price appreciation because of undervaluation, earnings growth, or both; and 2) emphasizing U.S. stocks that may pay dividends.
Principal Risks	Stock Market Risk, Preferred Stock Risk, Mid-Cap Securities Risk, Foreign Securities Risk, Equity Income/Interest Rate Risk, Foreign Currency Risk, Convertible Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	1.04%

VT II Vantagepoint Growth Fund

Fund Code 8620

Investment Objective	To offer long-term capital growth.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, primarily in U.S. common stocks that are considered by its subadvisers to have above-average potential for growth. Its subadvisers emphasize stocks of well established medium- and large-capitalization firms. The underlying fund also may invest in foreign equity securities, small-capitalization equity securities, U.S. preferred securities, and U.S. convertible securities.
Principal Risks	Stock Market Risk, Preferred Stock Risk, Foreign Securities Risk, Foreign Currency Risk, Style Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Convertible Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	1.03%

VT II Vantagepoint Select Value Fund

Fund Code 8622

Investment Objective	To offer long-term growth from dividend income and capital appreciation.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, primarily in common stocks of mid-capitalization U.S. companies that its subadvisers believe present attractive investment opportunities at favorable prices in relation to the intrinsic worth of the issuer and may offer the possibility for growth through the reinvestment of dividends. The underlying fund generally seeks to invest in common stocks of companies with market capitalizations that fall within the range of companies in the Russell Midcap® Value Index. It also may invest in foreign equity securities, U.S. preferred stock, U.S. convertible securities, and small-capitalization equity securities and may invest up to 10% of its net assets in REITs.
Principal Risks	Stock Market Risk, Mid-Cap Securities Risk, Small-Cap Securities Risk, Equity Income/Interest Rate Risk, Style Risk, REITs Risk, Foreign Securities Risk, Foreign Currency Risk, Preferred Stock Risk, Convertible Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	1.19%

VT II Vantagepoint Aggressive Opportunities Fund

Fund Code 8626

Investment Objective	To offer high long-term capital appreciation.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, primarily in common stocks of small- to mid-capitalization U.S. and foreign companies. One or more of its subadvisers employing an actively managed strategy seeks to select common stocks it believes offer the opportunity for high capital appreciation. In addition, a portion of the underlying fund invests in (or obtains exposure to) stocks included in a custom version of the Russell Midcap® Growth Index, following an indexed or "passively managed" approach to investing. The range of stocks in which the underlying fund generally invests is expected to be that of the Russell Midcap® Index.
Principal Risks	Stock Market Risk, Mid-Cap Securities Risk, Style Risk, Small-Cap Securities Risk, Indexing Risk, Foreign Securities Risk, Foreign Currency Risk, Derivative Instruments Risk, Preferred Stock Risk, Convertible Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	1.05%

VT II Vantagepoint Discovery Fund

Fund Code 8623

Investment Objective	To offer long-term capital growth.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, primarily in a combination of common stocks of U.S. small-capitalization companies, Russell 2000® Index futures contracts, and U.S. and foreign fixed income securities. Its subadvisers select stocks that they believe have above average potential for growth and that generally have market capitalizations that fall within the range of companies in the Russell 2000® Index. The underlying fund's U.S. and foreign fixed income securities (1) are held, in part, as collateral in conjunction with its use of futures contracts; (2) may include government and agency securities, corporate bonds, mortgage-backed securities, asset-backed securities, and municipal securities; and (3) at all times have a portfolio effective duration no greater than three years. In addition to using Russell 2000® Index futures contracts, the underlying mutual fund's subadvisers also may use other derivative instruments. The underlying fund also may invest in foreign equity securities (including those of issuers located in emerging market countries), U.S. preferred stock, and U.S. and foreign convertible stock.
Principal Risks	Stock Market Risk, Small-Cap Securities Risk, Preferred Stock Risk, Foreign Securities Risk, Foreign Currency Risk, Convertible Securities Risk, High Yield Securities Risk, Municipal Securities Risk, Derivative Instruments Risk, Interest Rate Risk, Credit Risk, Call Risk, Mortgage-Backed Securities Risk, Asset-Backed Securities Risk, U.S. Government Agency Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	1.09%

INTERNATIONAL FUND

VT II Vantagepoint International Fund

Fund Code 8645

Investment Objective	To offer long-term capital growth and diversification by country.
Principal Investment Strategies	The underlying fund invests primarily in the common stocks of companies headquartered outside the United States. Under normal circumstances, the underlying fund invests at least 80% of its net assets in foreign equity securities (common and preferred stock), including securities of issuers located in emerging market countries. It also may invest in U.S. or foreign fixed income securities of any maturity, U.S. equity securities, and U.S. or foreign convertible securities.
Principal Risks	Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Foreign Currency Risk, Preferred Stock Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Derivative Instruments Risk, Credit Risk, Interest Rate Risk, Convertible Securities Risk, Multi-Manager Risk, Large Investor Risk
Expense Ratio	1.19%

INDEX FUNDS

VT II Vantagepoint Core Bond Index Fund

Fund Code 8630

Investment Objective	To offer current income by approximating the performance of the Barclays U.S. Aggregate Bond Index.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 80% of its net assets in bonds and other fixed income securities included in the Barclays U.S. Aggregate Bond Index, selected and weighted to seek to result in investment characteristics comparable to those of that index and performance that correlates with the performance of that index. It considers To-Be-Announced ("TBA") transactions that provide substantially similar exposure to securities in the Barclays U.S. Aggregate Bond Index to be investments included within the index. The underlying fund follows an indexed or "passively managed" approach to investing. A sampling technique is employed to approximate index characteristics, using fewer securities than are contained in the index.
Principal Risks	Interest Rate Risk, U.S. Government Agency Securities Risk, Mortgage-Backed Securities Risk, TBA Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, Credit Risk, Indexing Risk, Large Investor Risk
Expense Ratio	0.62%

VT II Vantagepoint 500 Stock Index Fund

Fund Code 8637

Investment Objective	To offer long-term capital growth by approximating the performance of the S&P 500 Index.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 90% of its net assets in stocks included in the S&P 500 Index, weighted to seek to replicate the investment characteristics of the S&P 500 Index and performance that correlates with that of the index. The underlying fund follows an indexed or "passively managed" approach to investing.
Principal Risks	Stock Market Risk, Indexing Risk, Large Investor Risk
Expense Ratio	0.62%

VT II Vantagepoint Broad Market Index Fund

Fund Code 8650

Investment Objective	To offer long-term capital growth by approximating the performance of the Russell 3000® Index.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 90% of its net assets in equity issuers included in the Russell 3000® Index, selected and weighted to seek to result in investment characteristics comparable to those of that index and performance that correlates with the performance of that index. The underlying fund follows an indexed or "passively managed" approach to investing.
Principal Risks	Stock Market Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Indexing Risk, Large Investor Risk
Expense Ratio	0.62%

VT II Vantagepoint Mid/Small Company Index Fund

Fund Code 8638

Investment Objective	To offer long-term capital growth by approximating the performance of the Russell 2500™ Index.
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 90% of its net assets in equity issuers included in the Russell 2500™ Index, selected and weighted to seek to replicate the investment characteristics of the Russell 2500™ Index and performance that correlates with the performance of that index. The underlying fund follows an indexed or "passively managed" approach to investing.
Principal Risks	Stock Market Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, REITs Risk, Indexing Risk, Large Investor Risk
Expense Ratio	0.62%

VT II Vantagepoint Overseas Equity Index Fund

Fund Code 8636

Investment Objective	To offer long-term capital growth and diversification by approximating the performance of the MSCI Europe Australasia Far East (EAFE) Index (Net).
Principal Investment Strategies	The underlying fund invests, under normal circumstances, at least 90% of its net assets in a portfolio of the equity securities (common and preferred stock) in the MSCI Europe Australasia Far East (EAFE) Index (Net), weighted to seek to replicate the investment characteristics of that index and performance that correlates with that of the index. The underlying fund follows an indexed or "passively managed" approach to investing.
Principal Risks	Stock Market Risk, Foreign Securities Risk, Mid-Cap Securities Risk, Foreign Currency Risk, Indexing Risk, Large Investor Risk
Expense Ratio	0.71%

VT II Vantagepoint Milestone Funds and VT II Vantagepoint Model Portfolio Funds

The VT II Vantagepoint Milestone Funds are target date funds and the VT II Vantagepoint Model Portfolio Funds are target risk funds. Each invests substantially all of its assets in the single Vantagepoint Milestone Fund ("Milestone Fund") or Vantagepoint Model Portfolio Fund ("Model Portfolio Fund") that shares its investment objective. In turn, each underlying Milestone Fund or Model Portfolio Fund is a "fund of funds" that invests substantially all of its assets in other Vantagepoint Funds and one or more third party ETFs. By investing in this way, each Milestone Fund or Model Portfolio Fund is exposed to the risks as well as the potential rewards of its underlying funds and of the portfolio holdings and strategies of those funds.

TARGET RISK FUNDS

VT II Vantagepoint Model Portfolio Conservative Growth Fund

FUND CODE 8852

INVESTMENT OBJECTIVE	To offer reasonable current income and capital preservation, with modest potential for capital growth.
PRINCIPAL INVESTMENT STRATEGIES	The underlying fund invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs") to seek to obtain exposure to approximately 61% fixed income investments, 30% equity investments, and 9% multi-strategy investments. Multi-strategy investments generally include asset classes and strategies that seek to provide additional diversification from traditional stocks and bonds. Examples may include convertible securities, derivative-based strategies, and real estate investment trusts ("REITs").
PRINCIPAL RISKS	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Interest Rate Risk, Credit Risk, Convertible Securities Risk, High Yield Securities Risk, Mortgage- Backed Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, U.S. Government Agency Securities Risk, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Derivative Instruments Risk, Indexing Risk, Large Investor Risk
EXPENSE RATIO	1.05%

VT II Vantagepoint Model Portfolio Traditional Growth Fund

FUND CODE 8853

INVESTMENT OBJECTIVE	To offer moderate capital growth and reasonable current income.
PRINCIPAL INVESTMENT STRATEGIES	The underlying fund invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs") to seek to obtain exposure to approximately 34% fixed income investments, 54% equity investments, and 12% multi-strategy investments. Multi-strategy investments generally include asset classes and strategies that seek to provide additional diversification from traditional stocks and bonds. Examples may include convertible securities, derivative-based strategies, and real estate investment trusts ("REITs").
PRINCIPAL RISKS	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Equity Income/Interest Rate Risk, Convertible Securities Risk, High Yield Securities Risk, Interest Rate Risk, Credit Risk, Mortgage-Backed Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, U.S. Government Agency Securities Risk, Derivative Instruments Risk, Indexing Risk, Large Investor Risk
EXPENSE RATIO	1.07%

VT II Vantagepoint Model Portfolio Long-Term Growth Fund

FUND CODE 8854

INVESTMENT OBJECTIVE	To offer high long-term capital growth and modest current income.
PRINCIPAL INVESTMENT STRATEGIES	The underlying fund invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs") to seek to obtain exposure to approximately 15% fixed income investments, 72% equity investments, and 13% multi-strategy investments. Multi-strategy investments generally include asset classes and strategies that seek to provide additional diversification from traditional stocks and bonds. Examples may include convertible securities, derivative-based strategies, and real estate investment trusts ("REITs").
PRINCIPAL RISKS	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Equity Income/Interest Rate Risk, Convertible Securities Risk, High Yield Securities Risk, Interest Rate Risk, Credit Risk, Mortgage-Backed Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, Derivative Instruments Risk, Indexing Risk, Large Investor Risk
EXPENSE RATIO	1.12%

VT II Vantagepoint Model Portfolio Global Equity Growth Fund

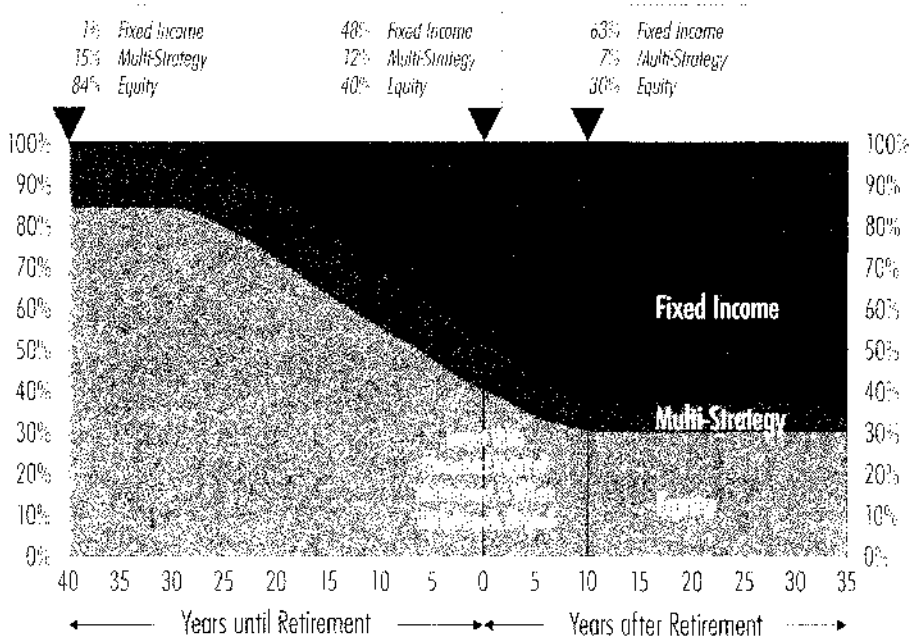
FUND CODE 8855

INVESTMENT OBJECTIVE	To offer high long-term capital growth.
PRINCIPAL INVESTMENT STRATEGIES	The underlying fund invests, under normal circumstances, 100% of its net assets in equity funds by investing in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs") whose assets are invested, under normal circumstances, at least 80% in equity securities (common and preferred stock) or instruments that provide equity exposure. The underlying fund expects to have significant exposure to non-U.S. securities.
PRINCIPAL RISKS	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Preferred Stock Risk, Equity Income/Interest Rate Risk, Indexing Risk, Large Investor Risk
EXPENSE RATIO	1.15%

TARGET DATE FUNDS

The targeted allocation of each Milestone Fund's assets among underlying funds and the asset classes they represent is determined by Vantagepoint Investment Advisers, LLC ("VIA"), the investment adviser to The Vantagepoint Funds. Over time, VIA will adjust the asset allocation of each "dated" Milestone Fund to seek to become more conservative as the year designated in its name approaches and for approximately 10 years beyond the designated year. This is intended to reduce investment risk as investors move toward and into retirement. However, there is no guarantee that this goal will be achieved, and investors may lose money investing in the Milestone Funds. Ten years after the date in the Milestone Fund's name, it will reach its "landing point" and its target asset allocation becomes constant. The sequence of asset allocation changes that the dated Milestone Funds are expected to follow is known as the "glide path" and is illustrated in the chart below.

All dated Milestone Funds expect to follow the same glide path, regardless of target year.



VT II Vantagepoint Milestone Retirement Income Fund

Fund Code 8850

Investment Objective	To offer current income and opportunities for capital growth that have limited risk.
Principal Investment Strategies	The underlying fund invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs") to seek to obtain exposure to approximately 63% fixed income funds, 30% equity investments, and 7% multi-strategy fund. Multi-strategy investments generally include asset classes and strategies that seek to provide additional diversification from traditional stocks and bonds. Examples may include convertible securities, derivative-based strategies, and real estate investment trusts ("REITs").
Principal Risks	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Interest Rate Risk, Credit Risk, Convertible Securities Risk, High Yield Securities Risk, Mortgage-Backed Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, U.S. Government Agency Securities Risk, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Derivative Instruments Risk, Mid-Cap Securities Risk, Indexing Risk, Large Investor Risk
Expense Ratio	1.02%

VT II Vantagepoint Milestone 2010 Fund

Fund Code 8857

Investment Objective	To offer high total return consistent with the Fund's current asset allocation.
Principal Investment Strategies	The underlying fund invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs"). The underlying fund uses an asset allocation strategy designed for investors who retired in or around the year 2010 and would like to make gradual withdrawals from their investment. As time elapses, the underlying fund's allocation to equity and multi-strategy investments decreases and its allocation to fixed income investments increases such that the asset allocation becomes more conservative over time until it reaches a final constant asset allocation approximately 10 years after the year in its name. The underlying fund invests in a combination of equity, fixed income, and multi-strategy investments that its investment adviser believes to be appropriate.
Principal Risks	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Interest Rate Risk, Credit Risk, Mortgage-Backed Securities Risk, Convertible Securities Risk, High Yield Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, U.S. Government Agency Securities Risk, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Mid-Cap Securities Risk, Derivative Instruments Risk, Indexing Risk, Large Investor Risk
Expense Ratio	1.02%

VT II Vantagepoint Milestone 2015 Fund

Fund Code 8858

Investment Objective	To offer high total return consistent with the Fund's current asset allocation.
Principal Investment Strategies	The underlying fund invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs"). The underlying fund uses an asset allocation strategy designed for investors who retired in or around the year 2015 and would like to make gradual withdrawals from their investment. As time elapses, the underlying fund's allocation to equity and multi-strategy investments decreases and its allocation to fixed income investments increases such that the asset allocation becomes more conservative over time until it reaches a final constant asset allocation approximately 10 years after the year in its name. The underlying fund invests in a combination of equity, fixed income, and multi-strategy investments that its investment adviser believes to be appropriate.
Principal Risks	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Interest Rate Risk, Credit Risk, Mortgage-Backed Securities Risk, Convertible Securities Risk, High Yield Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, U.S. Government Agency Securities Risk, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Mid-Cap Securities Risk, Derivative Instruments Risk, Indexing Risk, Large Investor Risk
Expense Ratio	1.03%

VT II Vantagepoint Milestone Funds	2020 Fund Code 8859	2025 Fund Code 8860	2030 Fund Code 8861	2035 Fund Code 8862	2040 Fund Code 8863	2045 Fund Code 8864	2050 Fund Code 8865
Investment Objective	To offer high total return consistent with the Fund's current asset allocation.						
Principal Investment Strategies	Each Fund invests in a corresponding Vantagepoint Milestone Fund which invests in a combination of other Vantagepoint Funds and one or more third party exchange-traded funds ("ETFs"). The underlying fund uses an asset allocation strategy designed for investors who expect to begin making withdrawals from their investment, typically at or after retirement (assumed to occur at age 60), in or around the year stated in the Fund's name. As time elapses, the underlying fund's allocation to equity and multi-strategy investments decreases and its allocation to fixed income investments increases such that the asset allocation becomes more conservative over time until it reaches a final constant asset allocation approximately ten years after the year in its name. The underlying fund invests in a combination of equity, fixed income, and multi-strategy investments that its investment adviser believes to be appropriate.						
Principal Risks	Asset Allocation Risk, Investing in Other Investment Companies, ETF Risks, Stock Market Risk, Foreign Securities Risk, Emerging Markets Securities Risk, Small-Cap Securities Risk, Mid-Cap Securities Risk, Equity Income/Interest Rate Risk, Convertible Securities Risk, High Yield Securities Risk, Interest Rate Risk, Credit Risk, Mortgage-Backed Securities Risk, Asset-Backed Securities Risk, Prepayment and Extension Risk, U.S. Government Agency Securities Risk, Derivative Instruments Risk, Indexing Risk, Large Investor Risk						
Expense Ratio	2020	2025	2030	2035	2040	2045	2050
	1.04%	1.06%	1.08%	1.09%	1.12%	1.16%	1.20%

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INVESTMENTS MAPPING CHART

The chart below shows the current Vantagepoint Funds and Dreyfus Cash Management Fund lineup and the proposed VantageTrust II Funds lineup by comparable fund. Upon adoption of VantageTrust II, RHS plans that include a fund listed in Column A will have existing assets moved to and future contributions directed to corresponding funds in Column B.

Current Fund Name (Column A)	Current Fund Code	New VantageTrust II Fund Name (Column B)	New VT II Fund Code
Vantagepoint Growth Fund	0020	VT II Vantagepoint Growth Fund	8620
Vantagepoint Select Value Fund	0022	VT II Vantagepoint Select Value Fund	8622
Vantagepoint Discovery Fund	0023	VT II Vantagepoint Discovery Fund	8623
Vantagepoint Low Duration Bond Fund	0024	VT II Vantagepoint Low Duration Bond Fund	8624
Vantagepoint Equity Income Fund	0025	VT II Vantagepoint Equity Income Fund	8625
Vantagepoint Aggressive Opportunities Fund	0026	VT II Vantagepoint Aggressive Opportunities Fund	8626
Vantagepoint Core Bond Index Fund	0030 / 0060	VT II Vantagepoint Core Bond Index Fund	8630
Vantagepoint Overseas Equity Index Fund	0036 / 0066	VT II Vantagepoint Overseas Equity Index Fund	8636
Vantagepoint 500 Stock Index Fund	0037 / 0067	VT II Vantagepoint 500 Stock Index Fund	8637
Vantagepoint Mid/Small Company Index Fund	0038 / 0068	VT II Vantagepoint Mid/Small Company Index Fund	8638
Vantagepoint International Fund	0045	VT II Vantagepoint International Fund	8645
Vantagepoint Growth & Income Fund	0047	VT II Vantagepoint Growth & Income Fund	8647
Vantagepoint Broad Market Index Fund	0050 / 0080	VT II Vantagepoint Broad Market Index Fund	8650
Vantagepoint Inflation Focused Fund	0075	VT II Vantagepoint Inflation Focused Fund	8675
Vantagepoint Milestone Retirement Income Fund	0250	VT II Vantagepoint Milestone Retirement Income Fund	8850
Vantagepoint Model Portfolio Conservative Growth Fund	0252	VT II Vantagepoint Model Portfolio Conservative Growth Fund	8852
Vantagepoint Model Portfolio Traditional Growth Fund	0253	VT II Vantagepoint Model Portfolio Traditional Growth Fund	8853
Vantagepoint Model Portfolio Long-Term Growth Fund	0254	VT II Vantagepoint Model Portfolio Long-Term Growth Fund	8854
Vantagepoint Model Portfolio Global Equity Growth Fund	0255	VT II Vantagepoint Model Portfolio Global Equity Growth Fund	8855
Vantagepoint Milestone 2010 Fund	0257	VT II Vantagepoint Milestone 2010 Fund	8857
Vantagepoint Milestone 2015 Fund	0258	VT II Vantagepoint Milestone 2015 Fund	8858
Vantagepoint Milestone 2020 Fund	0259	VT II Vantagepoint Milestone 2020 Fund	8859

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Current Fund Name (Column A)	**Current Fund Code**	New VantageTrust II Fund Name (Column B)	**New VT II Fund Code**
Vantagepoint Milestone 2025 Fund	0260	VT II Vantagepoint Milestone 2025 Fund	8860
Vantagepoint Milestone 2030 Fund	0261	VT II Vantagepoint Milestone 2030 Fund	8861
Vantagepoint Milestone 2035 Fund	0262	VT II Vantagepoint Milestone 2035 Fund	8862
Vantagepoint Milestone 2040 Fund	0263	VT II Vantagepoint Milestone 2040 Fund	8863
Vantagepoint Milestone 2045 Fund	0264	VT II Vantagepoint Milestone 2045 Fund	8864
Vantagepoint Milestone 2050 Fund	0265	VT II Vantagepoint Milestone 2050 Fund	8865
Dreyfus Cash Management Fund	4591	VT II Cash Management Fund	8856

VANTAGETRUST II FUNDS

DISCLOSURE MEMORANDUM

January 13, 2016

THIS OFFERING IS BEING MADE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED, FOR AN INTEREST IN THE VANTAGETRUST II MULTIPLE COLLECTIVE INVESTMENT FUNDS TRUST ("TRUST"). NO PUBLIC MARKET WILL DEVELOP FOR THE UNITS OF PARTICIPATION IN ONE OR MORE SERIES (EACH A "FUND," AND COLLECTIVELY, THE "FUNDS") OF THE TRUST. THE UNITS ARE NOT TRANSFERABLE OR REDEEMABLE EXCEPT UPON SATISFACTION OF CERTAIN CONDITIONS DESCRIBED IN THIS DISCLOSURE MEMORANDUM AND THE TRUST'S DECLARATION OF TRUST.

THE UNITS OF PARTICIPATION OFFERED HEREBY HAVE NOT BEEN REGISTERED WITH OR APPROVED BY THE UNITED STATES SECURITIES AND EXCHANGE COMMISSION OR ANY SECURITIES REGULATORY AUTHORITY OF ANY STATE, NOR HAS ANY SUCH COMMISSION OR REGULATORY AUTHORITY PASSED UPON THE ACCURACY OR ADEQUACY OF THIS DISCLOSURE MEMORANDUM.

THE TRUST AND THE FUNDS ARE NOT REGISTERED AS AN INVESTMENT COMPANY UNDER THE INVESTMENT COMPANY ACT OF 1940, AS AMENDED, IN RELIANCE UPON AN EXEMPTION FROM SUCH REGISTRATION.

PROSPECTIVE INVESTORS ARE NOT TO CONSTRUE THE CONTENTS OF THIS DISCLOSURE MEMORANDUM AS INVESTMENT, TAX, OR LEGAL ADVICE. THIS DISCLOSURE MEMORANDUM, AS WELL AS THE NATURE OF THE INVESTMENT, SHOULD BE REVIEWED BY EACH PROSPECTIVE INVESTOR WITH ITS INVESTMENT ADVISERS, ACCOUNTANTS, OR LEGAL COUNSEL.

NO PERSON IS AUTHORIZED TO GIVE ANY INFORMATION OR TO MAKE ANY REPRESENTATION NOT CONTAINED IN THIS DISCLOSURE MEMORANDUM, AND, IF GIVEN OR MADE, SUCH OTHER INFORMATION OR REPRESENTATION MUST NOT BE RELIED UPON.

THIS DISCLOSURE MEMORANDUM CONTAINS SUMMARIES, BELIEVED TO BE ACCURATE, OF CERTAIN TERMS OF THE TRUST'S DECLARATION OF TRUST. FOR COMPLETE INFORMATION CONCERNING THE RIGHTS AND OBLIGATIONS OF THE PARTIES THERETO, REFERENCE IS HEREBY MADE TO THE ACTUAL DOCUMENTS, COPIES OF WHICH WILL BE FURNISHED TO PROSPECTIVE INVESTORS, UPON REQUEST. IN THE EVENT OF ANY INCONSISTENCIES BETWEEN THIS MEMORANDUM AND THE DECLARATION OF TRUST, THE PROVISIONS OF THE DECLARATION OF TRUST SHALL BE CONTROLLING. ALL SUCH SUMMARIES ARE QUALIFIED IN THEIR ENTIRETY BY THIS REFERENCE.

THE FUNDS AND OTHER INVESTMENT OPTIONS MADE AVAILABLE BY THE TRUST ARE NOT GUARANTEED OR INSURED BY THE FEDERAL DEPOSIT INSURANCE CORPORATION ("FDIC"), ANY OTHER GOVERNMENT AGENCY, THE VANTAGETRUST COMPANY, OR ICMA-RC.

BEFORE INVESTING IN A FUND THE FOLLOWING SHOULD BE CAREFULLY CONSIDERED:

- INVESTMENT GOALS, TOLERANCE FOR RISK, INVESTMENT TIME HORIZON, AND PERSONAL FINANCIAL CIRCUMSTANCES;
- THERE IS NO GUARANTEE THAT A FUND WILL MEET ITS INVESTMENT OBJECTIVE;
- PAST PERFORMANCE DOES NOT INDICATE OR GUARANTEE FUTURE PERFORMANCE; AND
- AN INVESTOR CAN LOSE MONEY INVESTING IN THE FUNDS.

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I. INTRODUCTION

This *Disclosure Memorandum* ("Memorandum") provides information about the VantageTrust II Funds ("Funds"). Each Fund is a series of the VantageTrust II Multiple Collective Investments Funds Trust ("Trust").

In addition to this Memorandum, please refer to the appropriate "Fact Sheet" or "Investment Options Sheet" for information about each Fund and class. The Fact Sheet provides information including performance, risks, objectives, investment strategies, expenses, and restrictions. The Investment Options Sheet provides information including, risks, objectives, investment strategies and expenses.

II. MANAGEMENT OF THE TRUST

A. Trustee

The VantageTrust Company, LLC ("Trust Company") is the trustee of the Trust. It is a New Hampshire non-depository banking institution founded in 2001. It makes the Funds available through the Trust to public sector plans and participants. The Trust Company is a wholly owned subsidiary of ICMA Retirement Corporation ("ICMA-RC"), the investment adviser to the Trust Company.

The Trust Company has exclusive management and investment authority with respect to any Fund established pursuant to the Trust's Declaration of Trust ("Declaration of Trust"). The Trust Company may retain and consult with such investment advisers or other consultants, including, but not limited to, any affiliate of the Trust Company, as the Trust Company in its sole discretion may deem advisable, to assist it in carrying out its responsibilities under the Declaration of Trust. The Trust Company may, in its sole discretion, incorporate the advice of such investment advisers and other consultants into any investment guidelines, investment objectives, or restrictions.

B. Investment Adviser

ICMA-RC is a Delaware non-profit independent financial services corporation established in 1972 to assist state and local governments and their agencies and instrumentalities in the establishment and maintenance of deferred compensation and qualified retirement plans. ICMA-RC serves as the investment adviser and provides administrative support to the Trust Company. It is registered as an investment adviser with the Securities and Exchange Commission.

C. Trust

The Trust is a group trust established and maintained by the Trust Company and is intended to provide for the collective investment and reinvestment of assets of certain Eligible Trusts ("Plans") as that term is defined in the Declaration of Trust. The Trust Company is the sole

trustee of the Trust. The Trust property allocable to the Plans is held for the trustees of those Plans for the exclusive benefit of that Plan's investors and beneficiaries.

The Board of Directors of the Trust Company ("Board") is responsible for investing Trust property and overseeing the investments, operations, and administration of the Trust, including the supervision and periodic review of ICMA-RC's services as investment adviser and administrator to the Trust Company and the Funds.

III. EXEMPTION FROM REGISTRATION UNDER FEDERAL SECURITIES LAWS

Interests in the Funds are not registered under the Securities Act of 1933, in reliance on the exemption under Section 3(a)(2) of that Act, nor are they registered under the Investment Company Act of 1940, in reliance on the exemption under Section 3(c)(11) of that Act.

IV. FEDERAL TAX STATUS

Sections 501(a) and 401(a) of the Internal Revenue Code provide that a group trust for the commingled investment of assets of qualified plans and other employee benefit plans, such as the Trust, is exempt from taxation.

V. ADOPTION OF TRUST AGREEMENT - ELIGIBLE TRUSTS

Admission to the Trust is governed by the terms of the Declaration of Trust. Each plan that desires to participate in the Trust shall establish to the Trust Company's satisfaction that it meets the conditions of participation set forth in the Declaration of Trust, including that it satisfies the definition of Eligible Trust as defined in the Declaration of Trust.

The following are considered Eligible Trusts as that term is defined in the Declaration of Trust:

(a) a retirement, pension, profit-sharing, stock bonus, or other employee benefit trust that is exempt from Federal income taxation under Section 501(a) of the Code by reason of qualifying under Section 401(a) of the Code;

(b) an eligible governmental plan trust or custodial account under Section 457(b) of the Code that is exempt under Section 457(g) of the Code;

(c) Section 401(a)(24) governmental plans;

(d) any common, collective, or commingled trust fund the assets of which consist solely of assets of eligible investors in a group trust under Revenue Ruling 81-100

(e) an insurance company separate account (i) the assets of which consist solely of assets of eligible investors in a group trust under Revenue Ruling 81-100, (ii) with respect to which the insurance company maintaining the separate account has entered into a written arrangement with the Trust Company consistent with the requirements of Revenue Ruling 2011-1, and (iii) the assets of which are insulated from the claims of the insurance company's general creditors; or

(f) any other plan, trust, or other entity that is an eligible investor in a group trust under Revenue Ruling 81-100.

VI. THE VANTAGETRUST II FUNDS

Following is an overview of each category of Funds of the Trust that the Trust Company has established. Please refer to each individual Fund Fact Sheet or Investment Options Sheet for additional information about the Fund and class, including performance, objectives, investment strategies, expenses and restrictions. See Appendix A for a list of the current VantageTrust II Funds.

A. VantageTrust II Model Portfolio Funds Overview

The VantageTrust II Model Portfolio Funds ("VT II Model Portfolio Funds") are target risk funds. This means that each of the Model Portfolio Funds is a fund of funds that invests in certain of The Vantagepoint Funds and may also invest in third party exchange-traded funds ("underlying funds") rather than investing directly in a portfolio of securities.

Each VT II Model Portfolio Fund has a different degree of potential risk and reward and is diversified among the underlying funds in differing allocations. By investing in this way, each VT II Model Portfolio Fund is exposed to the risks as well as the potential rewards of its underlying funds and the portfolio holdings and strategies of those funds.

Asset Allocation: The targeted allocation of each VT II Model Portfolio Fund among the underlying funds and the asset classes they represent is established by ICMA-RC as the investment adviser to the Trust Company.

Rebalancing: If one component of a particular VT II Model Portfolio Fund outperforms another component over any given time period, the VT II Model Portfolio Fund will become "out of balance." For example, if the equity component of a VT II Model Portfolio Fund outperforms the fixed income portion, the amount of the equity portion may increase beyond its intended allocation. A significant change in the allocation can affect both the level of risk and the potential for gain or loss. ICMA-RC, as investment adviser, monitors the performance and underlying fund allocations of each VT II Model Portfolio Fund on a regular basis. When a fund becomes out of balance, ICMA-RC will transfer assets between underlying funds in order to rebalance a VT II Model Portfolio Fund.

Changes to the Underlying Funds: Any changes in the underlying funds, such as changes in investment objectives or strategies, may affect the performance of the VT II Model Portfolio Funds. ICMA-RC may alter the asset class allocations or underlying fund-level allocations of a VT II Model Portfolio Fund at its discretion.

B. VT II Vantagepoint Funds

Each VT II Vantagepoint Fund invests substantially all of its assets in a single underlying Vantagepoint Fund (which are funds sponsored by ICMA-RC and managed by its subsidiary, Vantagepoint Investment Advisers, LLC ("VIA")).

1. VT II Vantagepoint Milestone Funds and VT II Vantagepoint Model Portfolio Funds:

The VT II Vantagepoint Milestone Funds are target date funds and the VT II Vantagepoint Model Portfolio Funds are target risk funds. Each invests substantially all of its assets in the single Vantagepoint Milestone Fund ("VP Milestone Fund") or Vantagepoint Model Portfolio Fund ("VP Model Portfolio Fund") that shares its name and investment objective. In turn, each underlying VP Milestone Fund or VP Model Portfolio Fund is a "fund of funds" that invests substantially all of its assets in other Vantagepoint Funds and may also invest in one or more third party exchange-traded funds. By investing in this way, each VP Milestone Fund or VP Model Portfolio Fund is exposed to the risks as well as the potential rewards of its underlying funds and of the portfolio holdings and strategies of those funds.

Changes to the Underlying Funds: Any changes in the underlying funds, such as changes in investment objectives or strategies, may affect the performance of the VT II Vantagepoint Milestone Funds and VT II Vantagepoint Model Portfolio Funds. VIA may alter the asset class allocations or underlying fund-level allocations of a VP Milestone Fund or VP Model Portfolio Fund at its discretion.

VP Milestone Funds: The targeted allocation of each VP Milestone Fund's assets among underlying funds and the asset classes they represent is determined by VIA. Over time, VIA will adjust the asset allocation of each "dated" VP Milestone Fund to seek to become more conservative as the year designated in its name approaches and for approximately 10 years beyond the designated year. This is intended to reduce investment risk as investors move toward and into retirement. However, there is no guarantee that this goal will be achieved, and investors may lose money investing in the VP Milestone Funds. Ten years after the date in the Milestone Fund's name, it will reach its "landing point" and its target allocation becomes constant.

Unlike the dated VP Milestone Funds whose asset allocations change over time, the Vantagepoint Milestone Retirement Income Fund maintains a constant asset allocation and is designed for investors who have begun to make gradual withdrawals or are seeking to preserve principal with some opportunity for inflation protection and capital growth, or who have a low tolerance for price fluctuations or wish to invest for the shorter-term.

VP Model Portfolio Funds: Each VP Model Portfolio Fund has a different degree of potential risk and reward and is diversified among the underlying funds in differing

allocations. By investing in this way, each VP Model Portfolio Fund is exposed to the risks as well as the potential rewards of its underlying funds and the portfolio holdings and strategies of those funds.

Asset Allocation: The targeted allocation of each VP Model Portfolio Fund among the underlying funds and the asset classes they represent is established by VIA.

Rebalancing: If one component of a particular VP Model Portfolio Fund outperforms another component over any given time period, the VP Model Portfolio Fund will become "out of balance." For example, if the equity component of a VP Model Portfolio Fund outperforms the fixed income portion, the amount of the equity portion may increase beyond its intended allocation. A significant change in the allocation can affect both the level of risk and the potential for gain or loss. VIA, as investment adviser, monitors the performance and underlying fund allocations of each VP Model Portfolio Fund on a regular basis. When a fund becomes out of balance, VIA will transfer assets between underlying funds in order to rebalance a VP Model Portfolio Fund.

C. VT II Cash Management Fund

The VT II Cash Management Fund invests substantially all of its assets in a single underlying third-party fund. The underlying fund generally invests in a diversified portfolio of high quality, short-term debt securities.

VII. INVESTMENT RISKS

Key risks of investing in the Funds and any underlying funds are summarized below. This is not an exhaustive list. Please refer to each individual Fund Fact Sheet or Investment Options Sheet which identifies the key risks applicable to that Fund.

Asset Allocation Risk—Asset allocation risk is the risk that the selection of the underlying funds and the allocation of Fund assets among them will cause a Fund to lose money or to underperform other funds with similar investment objectives. In addition, there is the risk that the asset classes favored by the allocations will not perform as expected. Any changes made in the underlying funds, such as changes in investment objectives or strategies, may affect the Fund's performance. Similarly, if the Fund's asset allocations become "out of balance," this could affect both the Fund's level of risk and the Fund's potential for gain or loss.

Asset-Backed Securities Risk—Defaults on the assets underlying asset-backed securities may adversely affect the value of these securities. These securities are subject to risks associated with the nature of the underlying assets and are also subject to interest rate risk, credit risk, prepayment risk, and extension risk. Certain asset-backed securities may be more volatile and less liquid than other traditional types of fixed income securities.

Banking Industry Risk—The risks generally associated with concentrating investment in the banking industry, such as interest rate risk, credit risk, and regulatory developments relating to the banking industry.

Call Risk—A fixed income security may include a provision that allows the issuer to purchase the security back from its holder earlier than the final maturity date of the security, known as a "call feature." Issuers often exercise this right when interest rates have declined, in which case, the Fund may be forced to reinvest the proceeds received at a lower interest rate

Convertible Securities Risk—The value of a convertible security generally increases and decreases with the value of the underlying common stock, but may also be sensitive to changes in interest rates. Convertible securities generally have a higher risk of default and tend to be less liquid than traditional non-convertible securities. In addition, the convertible securities a Fund invests in may be rated below investment grade or may be unrated, which could increase their risks. Below investment grade securities are speculative and involve a greater risk of default than investment grade securities. The market prices of lower rated convertible securities also may experience greater volatility than the market prices of higher quality securities and may decline significantly in periods of general economic difficulty. A Fund could lose money if the issuer of a convertible security is unable to meet its financial obligations or declares bankruptcy.

Credit Risk—An issuer of a fixed income security may be unable or unwilling to make payments of principal or interest to the holders of such securities or may declare bankruptcy. These events could cause a Fund to lose money.

Derivative Instruments Risk—Use of derivative instruments involves risks different from, or possibly greater than, the risks associated with more traditional investments, and may involve a small amount of investment relative to the amount of risk assumed. Risks associated with derivative instruments include: the risk that the other party to a derivative contract may not fulfill its obligations (counterparty risk); the risk that a particular derivative instrument, such as over-the-counter derivative instruments, may be difficult to purchase or sell (liquidity risk); the risk that certain derivative instruments are more sensitive to interest rate changes and market price fluctuations (interest rate and market risks); the risk of mispricing or improper valuation of the derivative instrument (valuation risk); the inability of the derivative instrument to correlate in value with its underlying asset, reference rate, or index (basis risk); the risk that the Fund may lose substantially more than the amount invested in the derivative instrument, and that the Fund may be forced to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet segregation requirements (leverage risk). There is no assurance that the Fund's use of any derivatives strategy will succeed, or that the Fund will not lose money.

Emerging Markets Securities Risk—Investments in securities issued by companies located in emerging market countries may present risks different from, or greater than, the risks of investing in securities issued by companies located in developed foreign countries. Emerging

market countries may be more likely to experience political turmoil or rapid changes in market or economic conditions than more developed countries. It is sometimes difficult to obtain and enforce court judgments in such countries and there is often a greater potential for nationalization or expropriation of assets by the government of an emerging market country. In addition, the financial stability of issuers (including governments) in emerging market countries may be more precarious than in developed countries. Investments in securities issued by companies located in emerging market countries tend to be more volatile than investments in securities issued by companies located in developed foreign countries and may be more difficult to value.

Equity Income/Interest Rate Risk—A Fund's distributions to shareholders may decline when interest rates fall or when dividend income from investments in stocks declines.

Exchange-Traded Fund ("ETF") Risks—In addition to the risks associated with investing in other investment companies, an investment in an ETF may be subject to the following risks: (1) an ETF's shares may trade above or below their net asset value; (2) an active trading market for the ETF's shares may not develop or be maintained; (3) secondary market trading in an ETF's shares may be halted; (4) an ETF may not accurately track the performance of the reference index; and (5) an ETF might hold troubled securities if those securities are held in the reference index.

Floating Rate Loans Risk—Investments in floating rate loans have risks that are similar to those of fixed income securities, and carry the risk of impairment of collateral. The value of the collateral securing a floating rate loan can decline, be insufficient to meet the obligations of the borrower, or be difficult to liquidate. As such, a floating rate loan may not be fully collateralized and can decline significantly in value.

Foreign Currency Risk—Investments in foreign currencies or securities denominated in foreign currencies (including derivative instruments that provide exposure to foreign currencies) may experience gains or losses solely based on changes in the exchange rate between foreign currencies and the U.S. dollar.

Foreign Securities Risk—Investments in foreign securities may involve the risk of loss due to political, economic, legal, regulatory, and operational uncertainties; differing accounting and financial reporting standards; limited availability of information; currency fluctuations; and higher transaction costs.

High Yield Securities Risk—Securities that are rated below "investment grade" (commonly known as "high yield securities" or "junk bonds") or, if unrated, are considered by a subadviser to be of equivalent quality, are speculative and involve a greater risk of default than "investment grade" securities. The values of these securities are particularly sensitive to changes in issuer creditworthiness, and economic and political conditions. The market prices of these securities may decline significantly in periods of general economic difficulty, may be harder to value, and may be less liquid than higher rated securities.

Inflation-Adjusted Securities Risk—Investments in inflation-adjusted securities are affected by changes in interest and inflation rates. Interest payments on inflation-adjusted securities will vary as the principal or interest is adjusted for inflation and may be more volatile than interest paid on ordinary fixed income securities. Inflation-adjusted securities may not produce a steady income stream, particularly during deflationary periods, and during periods of extreme deflation these securities may not provide any income.

Indexing Risk—Unlike an actively managed strategy, an index or passively managed strategy does not rely on a portfolio manager's decision making with respect to which individual securities may outperform others. Securities in an index or passively managed strategy may be purchased, held, and sold by such underlying funds at times when an actively managed portfolio would not do so. In addition, performance of underlying funds using an index or passively managed strategy will deviate from the performance of the specified index, which is known as tracking error. Tracking error may be caused by: (i) fees and expenses associated with managing the underlying index strategy funds (whereas the benchmark index has no management fees or transaction expenses); (ii) changes to the index and the timing of the rebalancing of the underlying index strategy funds; and (iii) the timing of cash flows into and out of the underlying index strategy funds.

Interest Rate Risk—Fixed income securities fluctuate in value as interest rates change. When interest rates rise, the market prices of fixed income securities will usually decrease; when interest rates fall, the market prices of fixed income securities usually will increase. Investments in fixed income securities may be subject to a greater risk of rising interest rates due to the current period of historically low rates and the effect of potential government fiscal policy initiatives and resulting market reaction to those initiatives.

Investing in Other Investment Companies—A Fund's investment in another investment company is subject to the risks associated with that investment company's portfolio securities. For example, if the investment company holds common stocks, the Fund also would be exposed to the risk of investing in common stocks. In addition, when a Fund purchases shares of another investment company (including another fund), the Fund will indirectly bear its proportionate share of the advisory fees and other operating expenses of such investment company. The fees and expenses of the other investment company are in addition to the Fund's own fees and expenses.

Large Investor Risk—A Fund or an underlying fund may experience large investments or redemptions. While it is impossible to predict the overall impact of these transactions over time, there could be adverse effects on portfolio management. For example, a Fund or an underlying fund may be required to sell securities or invest cash at times when it would not otherwise do so. These transactions can increase transactions costs.

Liquidity Risk—Liquidity risk exists when a particular security or other instrument is difficult to trade. An investment is illiquid assets may reduce the returns of the investment because the

holder of such assets may not be able to sell the assets at the time desired for an acceptable price or might not be able to sell the assets at all. Illiquid assets may also be difficult to value.

Mid-Cap Securities Risk—Investments in mid-capitalization companies involve greater risk than is customarily associated with investments in larger, more established companies. Equity securities of mid-capitalization companies generally trade in lower volume and are generally subject to greater and less predictable price changes than the securities of larger companies.

Mortgage-Backed Securities Risk—Defaults on the mortgages underlying mortgage-backed securities may adversely affect the value of these securities. These securities are also subject to interest rate risk, credit risk, prepayment risk, and extension risk. Certain mortgage-backed securities may be more volatile and less liquid than other traditional types of fixed income securities.

Multi-Manager Risk—While VIA monitors each subadviser and the overall management of the The Vantagepoint Funds that are the underlying mutual funds to certain VantageTrust II Funds, each subadviser makes investment decisions independently from VIA and the other subadvisers. It is possible that the security selection process of one subadviser will not complement that of the other subadvisers. As a result, the fund's exposure to a given security, industry, sector or market capitalization could be smaller or larger than if the fund were managed by a single subadviser, which could affect the fund's performance.

Municipal Securities Risk—The value of, payment of interest and repayment of principal with respect to, and the ability of the fund to sell, a municipal security may be affected by constitutional amendments, legislative enactments, executive orders, administrative regulations and voter initiatives as well as the economics of the regions where the issuer is located. Certain municipal securities may be difficult to value or sell at a fair price.

Preferred Stock Risk—Preferred stockholders may have more limited voting rights than common stockholders. Holders of a company's debt securities are generally paid before holders of the company's preferred stock. The value and volatility of preferred stock may be dependent on factors that affect both fixed income securities and equity securities.

Prepayment and Extension Risk—Mortgage-backed and asset-backed securities are exposed to prepayment risk and extension risk. Prepayment risk may occur when borrowers pay their mortgages or loans more quickly than required under the terms of the mortgage or loan. Most borrowers are likely to prepay their mortgage or loan at a time when it may be least advantageous to a holder of these securities (e.g., during periods of falling interest rates), which may force the holder to reinvest the proceeds of prepayments in lower-yielding instruments and result in a decline in the holder's income. Extension risk may occur when rising interest rates result in decreased prepayments, which could extend the average life of the security, cause its value to decline more than traditional fixed-income securities and increase its volatility.

Portfolio Turnover Risk—The Fund may engage in a significant number of short-term transactions, which may adversely affect performance. Increased portfolio turnover may result in higher brokerage costs or other transactions fees and expenses. These costs are ultimately passed on to shareholders.

REITs Risk—Real estate investment trusts ("REITs") are subject to risks generally associated with investing in real estate, such as declining real estate values, over-building, property tax increases, increases in operating expenses and interest rates, insufficient levels of occupancy, the inability to obtain financing (at all or on acceptable terms), and the national, regional and local economic conditions affecting the real estate market.

Repurchase Agreement Counterparty Risk—The risk that a counterparty in a repurchase agreement could fail to honor the terms of its agreement.

Small-Cap Securities Risk—Investments in small-capitalization companies involve greater risk than is customarily associated with investments in larger, more established companies. Equity securities of small-capitalization companies are generally subject to greater price volatility than those of larger companies due to: less certain growth prospects, the lower degree of liquidity in the markets for their securities, and the greater sensitivity of smaller companies to changing economic conditions. Also, small-capitalization companies may have more limited product lines, fewer capital resources and less experienced management than larger companies.

Stock Market Risk—Stock market risk is the possibility that the prices of equity securities overall will experience increased volatility and decline over short or extended periods. Markets tend to move in cycles, with periods of rising prices and periods of falling prices.

Style Risk—All of the funds are subject, in varying degrees, to style risk, which is the possibility that returns from a specific type of security in which a fund invests or the investment style of a fund's adviser will trail the returns of the overall market. In the past, different types of securities have experienced cycles of outperformance and underperformance in comparison to the market in general. Therefore, investing in a fund with a specific style will create exposure to this risk. For example, growth stocks have performed best during the later stages of economic expansion and value stocks have performed best during periods of economic recovery. Therefore, both the growth and value investing styles may, over time, go in and out of favor. At times when the investing style used by a fund is out of favor, that fund may underperform other funds that use different investing styles.

TBA Risk—In To-Be-Announced ("TBA") transactions, the fund commits to purchase certain mortgage-backed securities for a fixed price at a future date. TBA transactions involve the risk that the actual securities received by the Fund may be less favorable than what was anticipated when entering into the transaction. TBA transactions also involve the risk that a counterparty will fail to deliver the securities, exposing the Fund to further losses.

U.S. Government Agency Securities Risk—Securities issued by U.S. Government agencies or government-sponsored enterprises may not be guaranteed by the U.S. Treasury. Further, there is no assurance that the U.S. Government will provide financial support to its agencies or instrumentalities (including government-sponsored enterprises) that issue or guarantee certain securities. If a government agency or a government-sponsored enterprise is unable to meet its obligations, the Fund may experience a loss.

U.S. Treasury Securities Risk—A security backed by the U.S. Treasury or the full faith and credit of the United States is guaranteed only as to the timely payment of interest and principal when held to maturity, the market prices for such securities are not guaranteed and will fluctuate.

VIII. SERVICES PROVIDED BY ICMA-RC TO THE TRUST COMPANY

The Trust Company has appointed ICMA-RC to act as the investment adviser to the Trust Company in respect to the Funds. As investment adviser, ICMA-RC advises the Trust Company on the composition and design of investment programs and options. It also advises the Trust Company with respect to investments by the Funds.

ICMA-RC provides administrative support to the Trust Company as may be required to exercise recordkeeping, reporting, disclosure and other support functions in respect to the Funds.

IX. FEES AND EXPENSES

The Trust Company is entitled under the Declaration of Trust to receive reasonable compensation for its services in managing and administering the Trust. The compensation, custodial fees and expenses of the Trust Company are paid from the Trust, except to the extent that plan fiduciaries have arranged for payment from other sources.

The Trust charges the fees and expenses of ICMA-RC, as investment adviser, to the Funds. ICMA-RC also charges a combined fee for providing investment advisory, administrative, and management services to the Trust Company. The fees charged vary depending on the particular type and level of services required and are part of the negotiated investment management contract between the Trust Company and ICMA-RC.

The Trust Company may also charge to a particular class of a Fund any other expense, claim or charge that is specifically allocated to such class.

Please refer to each Fund's Fact Sheet or Investment Options Sheet for the expenses applicable to that Fund and class.

X. CONFLICTS OF INTEREST

ICMA-RC provides investment advice with respect to certain investment options available through the Trust in which ICMA-RC has a financial interest. ICMA-RC is the sponsor of The Vantagepoint Funds, which comprise the underlying investments of certain of the Funds. When

ICMA-RC recommends that a Fund invest in a Vantagepoint Fund, a potential conflict of interest exists because either ICMA-RC or one of its affiliates receives compensation in the form of advisory fees, transfer agent, shareholder servicing, or other administrative fees based on the assets invested in the Vantagepoint Fund. Similarly, when ICMA-RC recommends that a Fund invests in a third-party mutual fund, a potential conflict of interest exists because ICMA-RC or its affiliate, ICMA-RC Services, LLC receives payments from third-party mutual fund families or their service providers in the form of 12b-1 fees, service fees, compensation for sub-accounting and other services provided by ICMA-RC Services and/or ICMA-RC based on assets in the underlying third-party mutual fund.

All of these payments from other parties are expressly disclosed to and acknowledged by the Trust Company in its investment management agreement with ICMA-RC.

XI. UNIT ACCOUNTING FOR FUNDS

The beneficial interest in a class of a Fund is represented by units. Plans purchase units in the Fund for the benefit of their participants and beneficiaries. These units represent a proportional ownership interest in each Fund in which the Plan is invested. The worth of a unit is known as its Unit Value. The daily Unit Value is determined at the close of each business day by adding the value of all of a Fund's investments, plus cash and other assets, deducting liabilities, and then dividing the result by the number of outstanding units in the Fund as of the end of the prior day and rounding the results to the nearest cent. The Unit Value of a Model Portfolio Fund is calculated based upon the net asset value of the underlying funds in which it invests.

The value of an investment in a Fund equals the number of units held multiplied by the current day's Unit Value. Because Unit Values and investment returns will fluctuate, a transfer or disbursement will normally result in the receipt of more or less than the original cost of an investment.

Fees and expenses charged by ICMA-RC are deducted before the Unit Value is calculated. The Unit Value takes into account the net asset value of the underlying mutual funds in the Model Portfolio Funds and any applicable fees and expenses charged by ICMA-RC.

XII. SHARE CLASSES

All Funds may be made available through different classes and sub-classes. These classes and sub-classes may have different fee structures for the services provided, including but not limited to, advisory, administration, record keeping and participant education services. The Trust Company may divide a Fund or its share class into different sub-share classes that reflect a different combination of fees or a lower fee structure that the Trust Company may then make available to certain Plans. Plans may qualify for a class or sub-class based upon a number of factors that reflect savings from economies of scale or other cost savings with respect to services provided. These include, but are not limited to: the asset size, average account balance, the type and scope of services provided, or other features of the Plan.

The Trust Company reserves the right to open additional classes and adopt eligibility criteria. Individuals do not independently qualify for separate classes or sub-classes in a Plan.

XIII. INVESTING IN THE FUNDS

The following explains how an investment can be made into a Fund, as well as information about when investments can be made, how funds can be transferred, and other policies relating to an investment in the Funds.

Definition of a Business Day – The Funds are available on any business day, which is any day when the New York Stock Exchange ("NYSE") is open for business. "Close of business" means 4:00 p.m. Eastern Time, or the final close of trading on any day when trading on the NYSE closes at a time other than 4:00 p.m. Eastern Time.

Transfer, Withdrawal and Allocation Changes – Generally, unless restricted by a plan sponsor, transfer, withdrawal and allocation changes among the Funds may be made on a daily basis by Internet (Account Access), or by speaking to an Investor Services representative at ICMA-RC. Account Access is normally available 24 hours a day, seven days a week. Instructions sent by email correspondence will not be accepted.

RHS Employer Investment Program - Transfer, withdrawal and allocation changes may generally be made on a daily basis via fax or mail using the appropriate form. The forms may be obtained by logging into EZLink or by contacting a Plan Sponsor Services representative at the number provided below.

Transfer and Withdrawal Restrictions – Under the terms of the Declaration of Trust, the Trust Company has full discretion to defer withdrawals or transfers. Class specific restrictions or limitations will be disclosed on the applicable Fact Sheet or Investment Options Sheet.

Automatic Rebalance – Certain Plan and participant accounts may be eligible for an auto-rebalance feature. This feature periodically returns the account to the plan's or participant's desired asset allocation. Rebalancing strategies do not ensure a profit and do not protect against losses in declining markets.

Confirmations and Statements – Investors in the Funds will receive confirmation after each transaction and a quarterly statement that shows quarterly activity. Part-time employees may receive only annual statements. Please review this information carefully and contact ICMA-RC immediately if you see any discrepancies.

Account Access – Account Access is an internet site that is available to plan participants. It can be reached via ICMA-RC's website at www.icmarc.org. Information available includes plan fund lineups, ICMA-RC administered account balances, investment allocations, and investment performance.

EZLink – EZLink is an internet site that is available to plan sponsors and provides access to plan and participant data. It can be reached via ICMA-RC's website at www.icmarc.org. EZLink consists of a number of different online services enabling faster processing of information and greater control over data submission.

Participant Telephone Access – Self-service phone access as well as Investor Services representatives are available to participants by calling 800-669-7400.

Plan Sponsor Telephone Access – Phone access to Plan Sponsor Services representatives is available to plan sponsors by calling 800-326-7272.

Contributions – Plan fiduciaries generally may make contributions to their Plans as often as weekly. Contributions received in good order prior to the close of business on any business day are posted that business day. Contributions received in good order after the close of business are treated as if received the next business day.

"Good order" means that contribution deposits must be accompanied by sufficient detail and in ICMA-RC's standard format so that ICMA-RC is able to allocate contributions properly. If a contribution is not received in good order, the deposit is held in a non-interest bearing account until all necessary information is received. If a contribution is not in good order after three business days, ICMA-RC will coordinate with the plan sponsor and may return the contribution to the plan sponsor.

Contributions received for an identified participant account that does not have complete allocation instructions will be invested in the Plan's default option.

Distributions and Reinvestment of Earnings – There is not expected to be distribution of income, dividends or capital gains to holders of units of a Fund. Rather, it is anticipated that such items will be reflected in the net asset value of the Fund.

XIV. FREQUENT TRADING RESTRICTIONS

The Funds are meant for long-term investment purposes. Frequent trading of the Funds may cause additional costs to be incurred by the Funds, and these costs will affect all investors. Also, the rate of return long-term investors realize from their investments may be impacted by any frequent trading activity of other investors. ICMA-RC is committed to curbing frequent trading to protect long-term investors.

ICMA-RC defines frequent trading as a buy followed by a sell three times in the same fund during a 90-calendar-day period or a buy followed by a sell ten times in the same fund during a 365-calendar-day period. Systematic participant withdrawals, contributions, and distributions are not considered frequent trading. If frequent trading and/or market timing activity are detected in an account with ICMA-RC, ICMA-RC may communicate by telephone or in writing about these trading activities in an effort to deter such activities. If such communications fail to deter the frequent trading activity, further action may be taken on the account including restricting future purchases in the ICMA-RC administered account.

ICMA-RC's aim is to monitor and enforce this frequent trading policy consistently. ICMA-RC cannot guarantee that all the risks associated with frequent trading will be completely eliminated by this policy and/or restrictions.

XV. INABILITY TO CONDUCT BUSINESS

ICMA-RC is normally open for business and operating when the New York Stock Exchange ("NYSE") is open for business. However, unusual circumstances or emergencies including, but not limited to, severe and extraordinary weather conditions, flooding, other natural disasters, pandemic flu or other health epidemics, regional power failures, fires, market disruption, civil disturbances or other events may prevent ICMA-RC from conducting business on a given day or for longer periods of time. In such an event, transactions in the investment options offered through the Trust may be delayed and not effected until ICMA-RC resumes normal business operations.

In addition, in some cases, ICMA-RC may be open for business but operating on a limited basis and may require that the submission of investment transactions and other orders or directions be made via the Internet.

Account Access and EZLink, the internet platforms available to investors and Plans, are normally available 24 hours a day, seven days a week, except during scheduled maintenance periods. Service availability is not guaranteed. ICMA-RC, the Trust Company, and their affiliates will not be responsible for any loss (or foregone gain) that may be incurred as a result of the service being unavailable. ICMA-RC cannot and does not accept any financial responsibility or liability for market fluctuations in the value of an investor's investment that may occur while ICMA-RC is unable to conduct business as described above.

Appendix A

Stable Value / Cash Management Funds
VT II Cash Management Fund

VantageTrust II Model Portfolio Funds
VantageTrust II Model Portfolio Aggressive Fund
VantageTrust II Model Portfolio Conservative Fund
VantageTrust II Model Portfolio Moderate Fund

VantageTrust II Vantagepoint Model Portfolio Funds
VT II Vantagepoint Model Portfolio Conservative Growth Fund
VT II Vantagepoint Model Portfolio Traditional Growth Fund
VT II Vantagepoint Model Portfolio Long-Term Growth Fund
VT II Vantagepoint Model Portfolio Global Equity Growth Fund

VantageTrust II Vantagepoint Funds
VT II Vantagepoint Core Bond Index Fund
VT II Vantagepoint Inflation Focused Fund
VT II Vantagepoint Low Duration Bond Fund
VT II Vantagepoint Equity Income Fund
VT II Vantagepoint 500 Stock Index Fund
VT II Vantagepoint Broad Market Index Fund
VT II Vantagepoint Growth & Income Fund
VT II Vantagepoint Growth Fund
VT II Vantagepoint Select Value Fund
VT II Vantagepoint Aggressive Opportunities Fund
VT II Vantagepoint Mid/Small Company Index Fund
VT II Vantagepoint Discovery Fund
VT II Vantagepoint International Fund
VT II Vantagepoint Overseas Equity Index Fund

VantageTrust II Vantagepoint Milestone Funds
VT II Vantagepoint Milestone Retirement Income Fund
VT II Vantagepoint Milestone 2010 Fund
VT II Vantagepoint Milestone 2015 Fund
VT II Vantagepoint Milestone 2020 Fund
VT II Vantagepoint Milestone 2025 Fund
VT II Vantagepoint Milestone 2030 Fund
VT II Vantagepoint Milestone 2035 Fund
VT II Vantagepoint Milestone 2040 Fund
VT II Vantagepoint Milestone 2045 Fund
VT II Vantagepoint Milestone 2050 Fund

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REPORT TO CITY COUNCIL

Approved By:

Department Director

City Administrator

Council Meeting of July 20, 2016
Agenda Item Number B-7

SUBJECT: CONSIDERATION OF A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA, APPROVING AN AGREEMENT WITH JAMES G. PALMER APPRAISALS, INC. FOR PROFESSIONAL APPRAISAL SERVICES FOR EASEMENTS AND LAND ACQUISITION ON THE SHARON BOULEVARD INFRASTRUCTURE PROJECT AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT.

RECOMMENDATION:

That the City Council approves Resolution No. 16-_____:

1. Approving the Agreement with James G. Palmer Appraisals, Inc.
2. Authorizing the Mayor to execute the Agreement.

SUMMARY:

The Agreement with James G. Palmer Appraisals, Inc. (the Appraiser) is for determining the fair market value of permanent and construction easements for a sewer pipeline and of land acquisition for a water well site. The agreement for the three appraisals is for a fixed amount of $3,750. The agreement can be amended for services beyond the original scope of services, in an amount not to exceed $1500, as approved by the City Engineer. The agreement can also be amended for expert services in conjunction with court proceedings, at a rate of $425 per hour with approval of the City Council and executed by the Mayor.

DISCUSSION:

The current phase of the Sharon Boulevard Infrastructure Project consists of obtaining a permanent easement for a sewer main pipeline, a temporary construction easement for the sewer main pipeline and a small parcel of land for a water well site. The easements are within a proposed street plan line on a new alignment of Sharon Boulevard in the vicinity between Ellis Street and Avenue 17. The proposed well site is adjacent to Sharon Boulevard.

A Request for Proposal (RFP) for Professional Appraisal Services was sent to five local firms selected from our list of qualified local firms. Four of the firms did not submit a proposal due to their backlog of work. James G. Palmer Appraisals, Inc. was the only firm available to complete the requested services within 45 calendar days.

FISCAL IMPACT:
There is no fiscal impact to the City's General Fund. The Project is included in the adopted Capital Improvement Program and funding is included in the FY 2016/17 City Budget, Account No. 0661-5099.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN

Managed Growth: Strategy 101.6 - Ensure infrastructure can sustain population growth in the development of the General Plan.

Action 126 - This project supports this strategy for providing clean, attractive streets that are safe and aesthetically pleasing. The requested action is for improvement of infrastructure and is not in conflict with any of the actions or goals contained in the plan.

RESOLUTION NO. 16-___

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA, CALIFORNIA, APPROVING AN AGREEMENT WITH JAMES G. PALMER APPRAISALS, INC. FOR PROFESSIONAL APPRAISAL SERVICES FOR EASEMENT AND LAND ACQUISITION ON THE SHARON BOULEVARD INFRASTRUCTURE PROJECT AND AUTHORIZING THE MAYOR TO EXECUTE THE AGREEMENT.

WHEREAS, the City of Madera has initiated the design and right of way phase of the Sharon Boulevard Infrastructure Project, (the Project); and

WHEREAS, the funding for design and right of way work on the Project is included in the FY 2016/17 City Budget; and

WHEREAS, professional land appraisal services are required to determine the fair market value of the easements for the sewer pipeline and land for the water well site in the Project; and

WHEREAS, James G. Palmer Appraisals, Inc. has the professional skills to perform the necessary appraisal services, and City desires to retain James G. Palmer Appraisals, Inc.; and

WHEREAS, the Agreement with James G. Palmer Appraisals, Inc. for such professional appraisal services is recommended for approval and a copy of such agreement is on file in the Office of the City Clerk.

NOW THEREFORE, THE COUNCIL OF THE CITY OF MADERA, HEREBY, finds, orders and resolves as follows:

1. The above recitals are true and correct.
2. The Agreement with James G. Palmer Appraisals, Inc. for professional appraisal services for an amount not to exceed $5,250, a copy of which is on file in the Office of the City Clerk and referred to for particulars, is hereby approved.
3. The Mayor is authorized to execute the Agreement.
4. This resolution is effective immediately upon adoption.

* * * * * * * *

AGREEMENT FOR APPRAISAL SERVICES (EASEMENTS AND LAND ACQUISITION)

RECITALS

A. The City desires to engage the Appraiser, James G. Palmer MAI, to render appraisal services for the Sharon Boulevard Infrastructure Project.

B. The Appraiser has agreed to prepare and deliver such appraisals as described in City's request for Proposal shown in Exhibit "A" attached hereto.

SCOPE OF SERVICE

1. The parcel to be appraised hereunder is to be appraised at its Fair Market Value; "The fair market value of the property taken is the highest price on the date of valuation considering the potential increase in value of the parcel that would be agreed to by a seller, being willing to sell but under no particular or urgent necessity for so doing, nor obliged to sell, and a buyer, being ready, willing, and able to buy but under no particular necessity for so doing, each dealing with the other with full knowledge of all the uses and purposes for which the property is reasonably adaptable and available."

2. The Appraiser shall provide the City with a narrative-type appraisal, in duplicate, for the parcel and easements designated herein and containing information on, but not limited to, the following items:

a. Plat of property
b. Legal description
c. Current ownership
d. Assessed value and taxes
e. Zoning
f. Highest and best use of property
g. General description of immediate neighborhood
h. General description of property
i. Photograph(s) of property
j. Date of Valuation
k. Method of approach to estimation of value
l. Opinion of market value
m. Severance damages
n. Comparable sales
o. Photograph of each comparable sale
p. Affidavit indicating owner(s) contacted
q. Appraisal Summary Sheet

In any case, estimated values will be determined according to generally accepted appraisal practices, reported individually separately for each take or easement.

3. The Appraiser shall be responsible for the cost and accuracy of any portion or supplement of the appraisal report prepared by others at the request of or under the supervision of the Appraiser.

4. The Appraiser shall complete services and deliver the report within forty-five (45) days of the execution date of this agreement. Time is of the essence in this Agreement; therefore, failure to deliver the appraisal report within the time specified will result in the sum indicated in paragraph 5, below, being reduced by liquidated damages of $100 for each day the report is late.

5. Compensation for the services to be performed hereunder shall be for a total of $3,750.00, less the amount of reduction, if any, pursuant to paragraph 4 above. In no event shall the total compensation exceed the amount shown in this paragraph 5, unless:

a. The City may request additional information outside the scope of this Agreement in an amount not to exceed $1,500 as approved by City Engineer.

b. The City may request the Appraiser to perform further expert services in connection with court proceedings. Payment for court services shall be in addition to this contract price at the rate of $425.00 per hour for preparation and testimony. Such additions, if any, shall be stated in a written amendment to this Agreement, approved by the City Council and executed by the Mayor and the Appraiser. Any such additions shall not exceed $15,000.00.

The compensation stated herein shall be paid to the Appraiser within 30 days after completion and delivery of the appraisal report, in duplicate, within the time limitation specified in Paragraph 4 and acceptance of the appraisal report by the City. Such payment shall constitute payment in full for all services rendered, including without limitation all professional services, clerical assistance, and expenses for travel, reproduction, supplies, insurance and overhead. The City retains the right to pay any and all monies due Appraiser directly to Appraiser.

6. The Appraiser shall not assign, convey or otherwise transfer any of its rights or obligations hereunder, including any right to receive compensation from the City pursuant to Paragraph 5, to any other individual(s), corporation(s) or entity(ies) without the prior written consent of the City.

7. The Appraiser shall be deemed an independent contractor for all purposes under this Agreement. Nothing in this Agreement creates an employment relationship between the City and the Appraiser or any of the Appraiser's officers, employees or subcontractors.

8. Appraiser shall hold harmless, indemnify and defend the City of Madera, its officials, members, agents and employees against any claims, costs, damages, demands, liability and notices, or any of these, arising out of performance under this agreement, regardless of whether the City of Madera is actively negligent or passively negligent, except for those claims, costs, damages, demands, liability and notices, or any of these, caused solely by the negligence or willful misconduct of the City of Madera.

9. **LIABILITY INSURANCE:**

Appraiser shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Appraiser, his agents, representatives, or employees.

A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG0001).

2. Insurance Service Office form number CA 0001 (Ed. 10/01) covering Automobile Liability, Code 1 (any auto).

3. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

4. Errors and Omissions liability insurance appropriate to the consultant's profession. CONSULTANT'S coverage is to be endorsed to include contractual liability.

B. Minimum Limits of Insurance

Appraiser shall maintain limits no less than:

1. General Liability: $1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

2. Automobile Insurance: $1,000,000 per accident for bodily injury and property damage.

3. Employer's Liability: $1,000,000 per accident for bodily injury or disease.

4. Professional Liability (Errors & Omissions): $250,000 per claim and $1,000,000 aggregate with a deductible not to exceed $75,000, except that a higher

deductible may be approved with appropriate documentation acceptable to the City's Risk Manager.

C. Deductibles and Self Insured Retentions

Any deductibles or self insured retentions must be declared to and approved by the CITY. At the option of the CITY, either: the insurer shall reduce or eliminate such deductibles or self insured retentions as respects the CITY, its officers, officials, employees, and designated volunteers; or the Appraiser shall provide a financial guarantee satisfactory to the CITY guaranteeing payment of losses and related investigations, claim administration and defense expense.

D. Other Insurance Provisions

The commercial general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The City, its officers, officials, employees and designated volunteers are to be covered as additional insureds with respect to liability arising out of work or operations performed by or on behalf of the Appraiser including materials, parts or equipment furnished in connection with such work or operations or automobiles owned, leased, hired or borrowed by the Appraiser. General liability coverage shall be provided with the following endorsement forms: 1) CG 20 10 XX and 2) a CG 20 37 XX or substitute forms with identical language and coverages.

2. For any claims related to this project, the Appraiser's insurance coverage shall be primary insurance as respects the CITY, its officers, officials, employees and designated volunteers. Any insurance or self-insurance maintained by the CITY, its officers, officials, employees or designated volunteers shall be excess of the Appraiser's insurance and shall not contribute to it.

3. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be cancelled by either party, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the CITY.

4. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify theadditional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code.

E. Acceptability of Insurers

Appraiser shall furnish the CITY with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on forms provided by the CITY or on other than the CITY'S forms provided those endorsements conform to CITY requirements. All certificates and endorsements are to be received and approved by the CITY before work commences. The CITY reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications at any time.

CITY OF MADERA

Robert L. Poythress, Mayor

APPROVED AS TO FORM

Brent Richardson, City Attorney

ATTEST

Sonia, Alvarez, City Clerk

APPRAISER

James G. Palmer, MAI

EXHIBIT "A"

June 23, 2016

RE: REQUEST FOR PROPOSAL
APPRAISAL SERVICES FOR LAND ACQUISITION AND
SEWER LINE EASEMENT FOR SCHNOOR BOULVARD

Gentlemen:

Your firm is one of the firms that have expressed an interest in performing appraisal services for the City of Madera by submitting proposals on previous projects. The City is now in need of appraisal services for land acquisition of one parcel and for two sewer line easements on the subject project. Since you are a Member of American Institute of Real Estate Appraisers, MAI, and have experience in street and utility right-of-way appraisals for cities and counties in the area, have a statement of qualifications on file with the City, a proposal for appraisal services is hereby requested.

The contents of the proposal shall include: (1) a proposal letter identifying the responsible MAI appraiser, (2) a "not to exceed" cost for the three appraisals on this single parcel; (3) confirm that the appraisal report can be submitted within 45 days of the agreement date and if not submit the number or days required; (4) the hourly rate and/or daily minimums for court preparation work and for testimony in court relating to eminent domain; (5) an offer to perform these services consistent with the Appraisal Institute signed by an official of your firm and valid for thirty days.

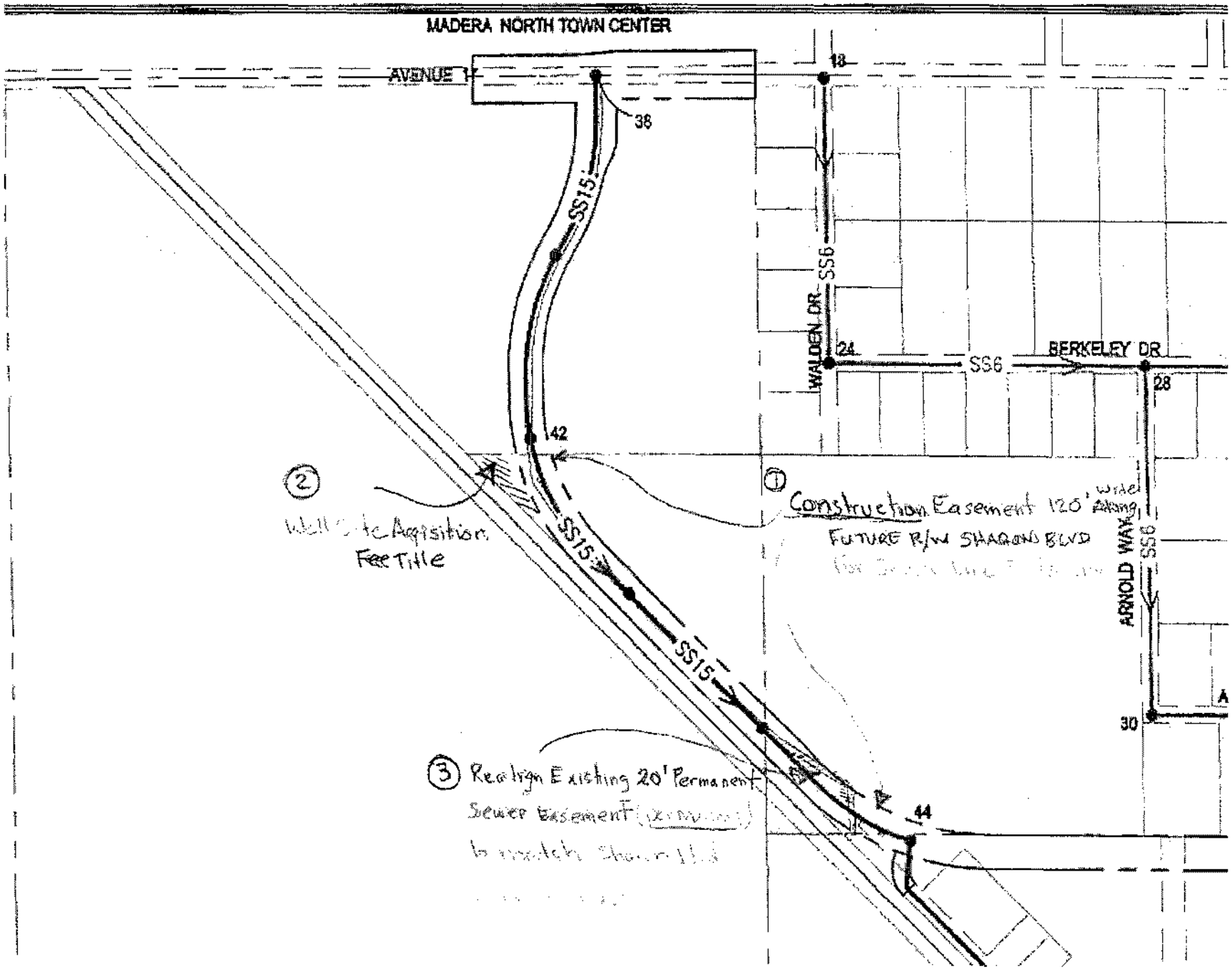
Enclosed herein are the drawings showing the proposed acquisition and easements and our standard agreement and liability insurance requirements. The City will provide the Preliminary Title Report and Legal Descriptions. Two copies of the Appraisal Report with general data, an analysis for the parcels and Appraisal Summary Sheet will be acceptable.

Please submit your proposal on or before **Friday, July 1, 2016**. A proposal submitted by mail with a July 1, 2016 postmark is acceptable. You may call me at (559) 661-5429 should you have any questions.

Sincerely,

Lester Jorgensen, P.E.
Director of Special Transportation Projects

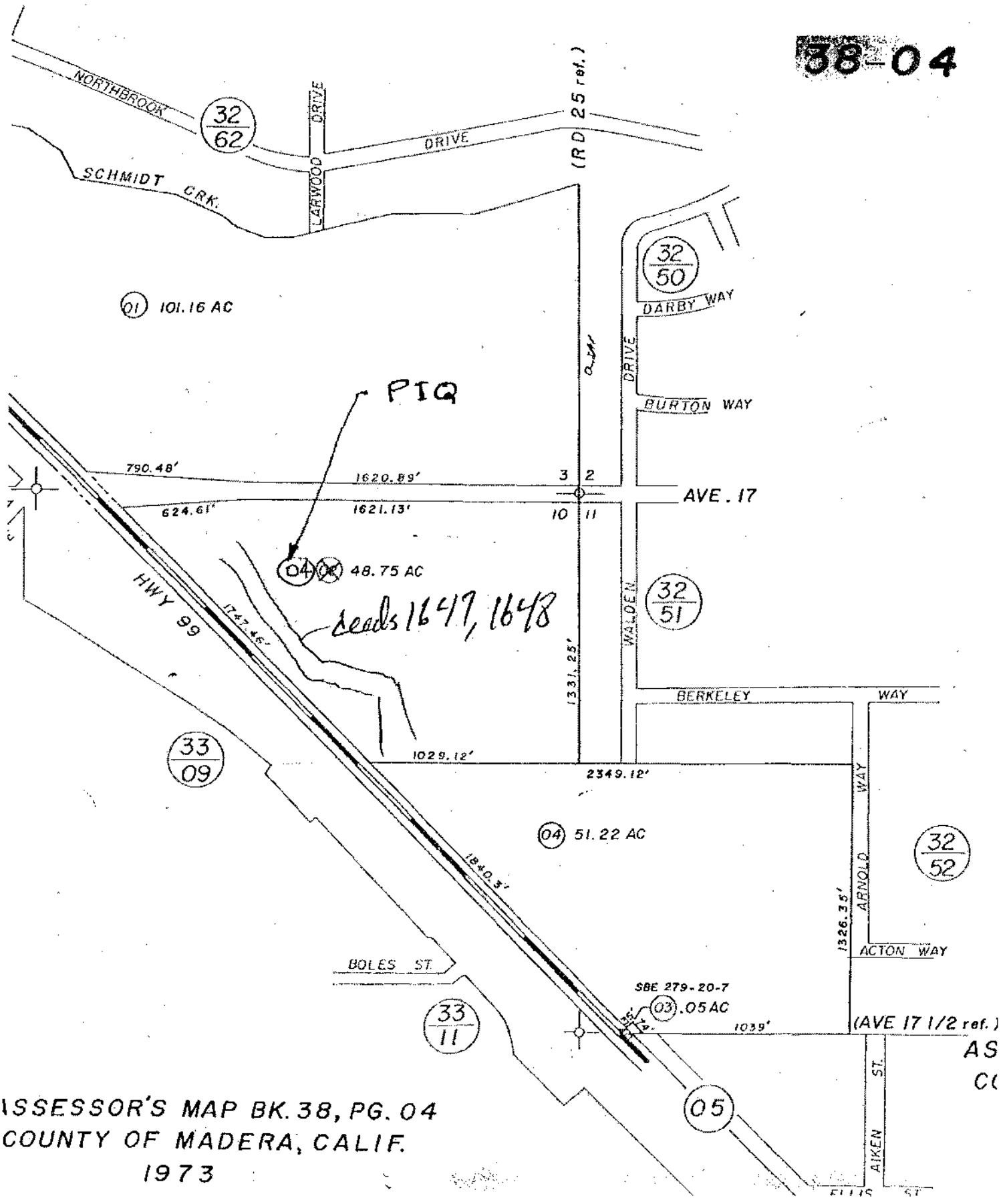
Engineering
205 W. Fourth Street • Madera, CA 93637 • TEL (559) 661-5418 • FAX (559) 675-6605
www.madera-ca.gov


MADERA NORTH TOWN CENTER
AVENUE 17
38
SS15
18
SS6
WALDEN DR.
24
SS6
BERKELEY DR.
28
42
SS15
SS15
SS15
ARNOLD WAY
SS6
30
44
2
Fee Title
1
Construction Easement 120' wide along
FUTURE R/W SHARON BLVD
3
Realign Existing 20' Permanent
Sewer Easement

OR. SEC'S. 3, 10 T. 11 R. 17

TAX AREA CO
61 04

38-04



ASSESSOR'S MAP BK. 38, PG. 04
COUNTY OF MADERA, CALIF.
1973

Return to Agenda

Report to City Council

Council Meeting of July 20, 2016
Agenda Item Number B-8

Approved by:

Department Director

City Administrator

Consideration of a Resolution Approving an Amendment to the Chief of Police At Will Employment Agreement to Capture Existing Benefits and Authorizing the City Administrator to Execute the Amendment

RECOMMENDATION

Staff recommends Council adopt the resolution amending the Chief of Police At Will Employment Agreement and authorizing the City Administrator to execute the Agreement.

HISTORY

The City initially entered into an At Will Employment Agreement with Steve Frazier to serve as Chief of Police in 2013. That Agreement was subsequently amended in 2013 to add additional benefits that were provided to all management employees. In 2015, the City entered into new Employment Agreements with all management employees. It has come to staff's attention that when Mr. Frazier's 2015 Agreement was drafted, certain benefits in the 2013 Amendment were erroneously omitted through clerical error.

SITUATION

When drafting the changes to Mr. Frazier's 2015 Employment Agreement, staff erroneously failed to copy and paste certain portions of Mr. Frazier's 2013 Amendment to the main body of the new Agreement. The specific language relates to additional leave time based on years of service with the City, the ability to carry forward a certain number of hours of leave and the technology allowance. These benefits are available to all management employees and there was no intent to remove these benefits from Mr. Frazier's Agreement. The proposed Amendment to Mr. Frazier's Agreement memorializes the benefits that were erroneously omitted and provides a one-time credit for the unrealized leave time.

FISCAL IMPACT

Adoption of the amendment will not create any additional fiscal impact over currently budgeted benefits.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN

Compensation and benefits for City employees are not addressed in the vision or action plan; the requested action is also not in conflict with any of the actions or goals contained in that plan.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA
APPROVING AN AMENDMENT TO THE CHIEF OF POLICE AT WILL EMPLOYMENT
AGREEMENT AND AUTHORIZING THE CITY ADMINISTRATOR TO
EXECUTE THE AGREEMENT

WHEREAS, the City of Madera wishes to establish reasonable rules, regulations and compensation for its staff and elected officials within the financial limits of the organization; and

WHEREAS, an Amendment to the Chief of Police At Will Employment Agreement has been prepared and is amenable to all parties.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF MADERA hereby resolves, finds, and orders as follows:

1. The above recitals are true and correct.

2. The Amendment to the Chief of Police At Will Employment Agreement between the City and Steve Frazier, on file with the office of the City Clerk and referred to for more particulars, is hereby approved.

3. The City Administrator is authorized to execute the Amendment on behalf of the City of Madera.

4. This resolution is effective immediately upon adoption.

* *

SECOND AMENDMENT TO THE
CHIEF OF POLICE
AT-WILL EMPLOYMENT AGREEMENT

This Amendment, entered into on the 20th day of July, 2016, amends the previous agreement entitled CHIEF OF POLICE AT-WILL EMPLOYMENT AGREEMENT dated August 5, 2015, and amended June 15, 2016, by and between the City of Madera, a municipal corporation, hereinafter called "Employer," and Steve Frazier, hereinafter called "Employee," both of whom understand as follows:

WITNESSETH:

WHEREAS, Employee and Employer entered into an agreement dated August 5, 2015, and amended June 15, 2016, to contract with Employee to serve as Chief of Police ("Agreement"); and

WHEREAS, Employer and Employee desire to modify said Agreement to update the contract provisions to reflect intended benefits; and

WHEREAS, there was no intent to remove benefits upon adoption of the August 5, 2015 Agreement, therefore this Amendment is made retroactive to August 5, 2015.

NOW THEREFORE, it is hereby agreed that the Agreement between the parties is amended in the following particulars only:

Section 1. Effective August 5, 2015, Section 6. A. of the Agreement is amended to read as follows:

Section 6: OTHER TERMS AND CONDITIONS OF EMPLOYMENT

A. Vacation, Sick, and Administrative Leave

Effective July 1, 2015, the Chief of Police shall annually be entitled to receive 248 hours of Annual Leave to be credited to his account on July 1 of each year of the contract. Employee will be credited with 1 hour of additional leave for each hour of leave actually taken in said period up to a total of 160 additional hours credited. Any annual leave not taken on or before the following June 30, of the following year shall be paid to the Employee as additional salary at the end of each fiscal year at the hourly rate then in effect. This benefit shall be in lieu of receiving any vacation, holiday, administrative, or sick leave.

Employee will receive an additional 3 days of annual leave for each 5 years of City service, up to a maximum of 12 additional days (20 years of service). Leave will be added to the "additional hours credited" bank and will not be available for cash-out.

Due to a clerical error and through no fault of Employee during Fiscal Year 2015-16 Employee did not realize the maximum amount of leave allowable had the August 5, 2015 Employment Agreement have been prepared as intended by the parties. Accordingly, Employee is credited with 92 hours of leave to be added to the

"additional hours credited" bank for the 2016-17 Fiscal Year. This is a one-time credit available only in Fiscal Year 2016-17 and not intended to carry forward into future years.

In lieu of cashing out all leave at the end of the fiscal year, Employee will have the option to roll over up to 80 hours of leave each year. This leave will be added to the "additional hours credited" bank and will no longer be available for cash-out. Written notice of the desire to roll-time over must be provided to the payroll department no later than June 15 of each year.

Employee's sick leave balance as of August 5, 2015, shall be frozen and not increased. Such leave shall remain on the books as Employee sick leave to be used when and if Employee is ill, and has exhausted all other Annual Leave.

Section 2. Effective August 5, 2015, Section 6. J. is hereby added to the Agreement to read as follows:

Section 6: OTHER TERMS AND CONDITIONS OF EMPLOYMENT

J. Technology Allowance

Employee will receive a monthly technology allowance of $75. Employee will not receive a City-issued cell phone or be provided with any type of wireless or data plan through the City's wireless carrier and will be expected to utilize his personal cell phone for City business. Employee's personal cell phone number must be available to the public.

Section 3. All other provisions of the Agreement not inconsistent with this Amendment shall continue in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be executed by and through their respective officers duly authorized on the date first written above.

EMPLOYEE

By: Steve Frazier
Steve Frazier

CITY OF MADERA

By: _____
David R. Tooley, City Administrator

ATTEST

By: _____
Sonia Alvarez, City Clerk

APPROVED AS TO LEGAL FORM

By: _____
Brent Richardson, City Attorney

REPORT TO CITY COUNCIL

Return to Agenda

Approved by:

Department Director

City Administrator

Council Meeting of: July 20, 2016

Agenda Number: C-1

SUBJECT: **Public Hearing and Consideration of a Resolution Establishing Appropriation Limits for Fiscal Year 2016-2017**

RECOMMENDATION: After review and consideration of the information presented in this calculation, Staff recommends that the Council adopt the resolution establishing an appropriation limit for Fiscal Year 2016-2017.

BACKGROUND: State law requires the City to set an appropriations limit (also known as the "Gann Limit") after budget adoption each year, in accordance with Section 1.5 of Article XIIIB of the California Constitution. The limit is based on appropriations (formal authorization by the City Council to spend funds) only from proceeds of taxes, as defined by the law and statewide reporting guidelines. The appropriation limit amount is increased each year by a formula that uses a combination of percent changes in the Statewide Per Capita Income (PCI), city or county population, and the City non-residential assessed valuation. The factors are allowed to be used in combination to provide the greatest increase or least decrease in the annual appropriation limit. The State Department of Finance provides the PCI and population growth rates. The County Assessor provides the non-residential assessed valuation information.

DISCUSSION: The Fiscal Year 2016-17 Appropriations Limit shows an increase from the prior year due to a rise in the Statewide PCI of 5.37% in combination with a 1.02% increase in the City's population growth rate. Additionally, the appropriations subject to limitation increased by 5.60% from last year.

The FY 2016-17 Article XIIIB Appropriations Limit Calculation Sheets and supporting documents are included as Exhibit A.

FINANCIAL IMPACT: The Appropriations Limit for fiscal year 2016-17 has been computed to be $38,266,573, while appropriations subject to limitation were determined to be $24,172,611 as shown in Exhibit A. The difference between the Appropriations Limit and the City's appropriations subject to limitation is $14,093,961, demonstrating that the City is using 63% of the allowed limit.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN: Adopting the Appropriations Limit for the City is not addressed in the vision or action plans. The requested action is also not in conflict with any of the actions or goals contained in those plans.

RESOLUTION NO. _____

A RESOLUTION OF THE COUNCIL OF THE CITY OF MADERA, CALIFORNIA, ADOPTING THE APPROPRIATION LIMIT FOR THE 2016-17 FISCAL YEAR

WHEREAS, Section 7910 of the California Government Code of the State of California provides that each year the governing body of each local jurisdiction shall, by resolution, establish its Appropriations Limit for the following fiscal year pursuant to Article XIIIB of the Constitution; and

WHEREAS, at least fifteen (15) days prior to such adoption, notice of the proposed adoption of the Appropriation Limit and availability of the documentation used in making the determination of the Appropriation Limit was given within the City, which sum and documentation has been available to the public in the office of the Director of Finance; and

WHEREAS, the City Council has received evidence regarding the Appropriations Limit to be established for the City of Madera.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Madera as follows:

1. The Appropriation Limit for the City of Madera for the 2016-17 fiscal year, as described in Article XIIIB of the Constitution of the State of California and as determined pursuant to Sections 7900 to 7913 of the California Government Code is in the amount of THIRTY EIGHT MILLION TWO HUNDRED SIXTY SIX THOUSAND AND FIVE HUNDRED SEVENTY THREE DOLLARS ($38,266,573).
2. The Council declares that it used the percentage change in California per capita personal income from the preceding year to determine the change in the cost of living used in calculating the Appropriation Limit.
3. The Council declares that it used the change in population within its jurisdiction to determine its change in population to be used in calculating the Appropriation Limit.
4. This resolution is effective immediately upon adoption.

* * * * * * *

EXHIBIT - A

CITY OF MADERA
ARTICLE XIIIB APPROPRIATIONS LIMIT CALCULATION
WORKSHEET #1
FOR THE 2016-17 FISCAL YEAR

		Reference Document
Proceeds of Taxes:	$ 24,172,611	Worksheet #2
Exclusions:	0	
Appropriations Subject to Limit:	$ 24,172,611	
Current Limit:	$ 38,266,573	Worksheet #3
Amount Over (Under) Limit:	$(14,093,961)	

CITY OF MADERA
ARTICLE XIIIB APPROPRIATIONS LIMIT CALCULATION
WORKSHEET #2
FOR THE 2016-17 FISCAL YEAR
Summary of Tax Proceeds Revenue & Interest Allocation

	Non-Interest Revenues	Percent of Total	Interest Income Allocation	Total Tax Proceeds
General Fund				
Tax Proceeds Budgeted	$ 18,312,717	63.00%	$ 251,989	$ 18,564,706
Non Tax Proceeds Budgeted	10,756,306	37.00%	148,011	
Total Revenues Budgeted	$ 29,069,023	100.00%		
Total Interest Income Budgeted			$ 400,000	
Dial-a-Ride and Fixed Route Transit Systems				
Tax Proceeds Budgeted				324,882
Gas Tax:				
Tax Proceeds Budgeted				1,312,368
Measure A & Measure T:				
Tax Proceeds Budgeted				2,781,340
Local Transportation Allocations in Other Funds				
Tax Proceeds Budgeted				1,189,315
Total Tax Proceeds Budgeted:				$ 24,172,611

CITY OF MADERA
ARTICLE XIIIB APPROPRIATIONS LIMIT CALCULATION
WORKSHEET #3
FOR THE 2016-17 FISCAL YEAR

A.	Last Year's Appropriations Limit (Unadjusted)				$ 35,949,696
B.	Adjustment Factors	% of Change	Factor	Source	
	1. Growth in City Population	1.02	1.0102	State Calculation	
	2. California Per Capita Personal Income Growth	5.37	1.0537	State Calculation	
	3. Adjustment Factor: (B1 x B2)				1.0644
C.	Annual Adjustment Dollars: (A x B3) - A				$ 2,316,877
D.	2016-17 Projected Appropriations Limit: (A + C)				$ 38,266,573

DEPARTMENT OF FINANCE
OFFICE OF THE DIRECTOR

EDMUND G. BROWN JR. • GOVERNOR
STATE CAPITOL ■ ROOM 1145 ■ SACRAMENTO CA ■ 95814-4998 ■ WWW.DOF.CA.GOV

May 2016

Dear Fiscal Officer:

Subject: Price Factor and Population Information

Appropriations Limit
The California Revenue and Taxation Code, section 2227, requires the Department of Finance (Finance) to transmit an estimate of the percentage change in population to local governments. Each local jurisdiction must use their percentage change in population factor for January 1, 2016, in conjunction with a change in the cost of living, or price factor, to calculate their appropriations limit for fiscal year 2016-17. Attachment A provides the change in California's per capita personal income and an example for utilizing the price factor and population percentage change factor to calculate the 2016-17 appropriations limit. Attachment B provides the city and unincorporated county population percentage change. Attachment C provides the population percentage change for counties and their summed incorporated areas. The population percentage change data excludes federal and state institutionalized populations and military populations.

Population Percent Change for Special Districts
Some special districts must establish an annual appropriations limit. The Revenue and Taxation Code, section 2228 provides additional information regarding the appropriations limit. Article XIII B, section 9(C) of the California Constitution exempts certain special districts from the appropriations limit calculation mandate. The Code and the California Constitution can be accessed at the following website: http://leginfo.legislature.ca.gov/faces/codes.xhtml.

Special districts required by law to calculate their appropriations limit must present the calculation as part of their annual audit. Any questions special districts have on this requirement should be directed to their county, district legal counsel, or the law itself. No state agency reviews the local appropriations limits.

Population Certification
The population certification program applies only to cities and counties. Revenue and Taxation Code section 11005.6 mandates Finance to automatically certify any population estimate that exceeds the current certified population with the State Controller's Office. **Finance will certify the higher estimate to the State Controller by June 1, 2016.**

Please Note: Prior year's city population estimates may be revised.

If you have any questions regarding this data, please contact the Demographic Research Unit at (916) 323-4086.

MICHAEL COHEN
Director
By:

AMY COSTA
Chief Deputy Director

Attachment

May 2016

Attachment A

A. **Price Factor**: Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. If the percentage change in per capita personal income is selected, the percentage change to be used in setting the fiscal year 2016-17 appropriation limit is:

Per Capita Personal Income

Fiscal Year (FY)	Percentage change over prior year
2016-17	5.37

B. Following is an example using sample population change and the change in California per capita personal income as growth factors in computing a 2016-17 appropriation limit.

2016-17:

Per Capita Cost of Living Change = 5.37 percent
Population Change = 0.90 percent

Per Capita Cost of Living converted to a ratio: $\frac{5.37 + 100}{100} = 1.0537$

Population converted to a ratio: $\frac{0.90 + 100}{100} = 1.0090$

Calculation of factor for FY 2016-17:

$1.0537 \times 1.0090 = 1.0632$

Fiscal Year 2016-17

Attachment B
Annual Percent Change in Population Minus Exclusions*
January 1, 2015 to January 1, 2016 and Total Population, January 1, 2016

County City	Percent Change 2015-2016	-- Population Minus Exclusions -- 1-1-15	 1-1-16	Total Population 1-1-2016
Madera				
Chowchilla	0.19	12,324	12,348	18,547
Madera	1.02	64,810	65,474	65,474
Unincorporated	0.10	71,256	71,328	71,328
County Total	0.51	148,390	149,150	155,349

*Exclusions include residents on federal military installations and group quarters residents in state mental institutions, state and federal correctional institutions and veteran homes.

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REPORT TO THE CITY COUNCIL

COUNCIL MEETING OF July 20, 2016

AGENDA ITEM NUMBER C-2

APPROVED BY

GRANT ADMINISTRATOR

CITY ADMINISTRATOR

SUBJECT: **Public Hearing to Consider the Community Development Block Grant Review and Advisory Committee Recommendations and Request for Council to Make Tentative Allocation for the 2016/2017 Action Plan**

RECOMMENDATION:

Staff recommends Council open the public hearing and consider the Review and Advisory Committee's (RAC) recommendations for allocating the City's Community Development Block Grant (CDBG) funding for FY 2016/2017. Staff will also present its ranking of City proposals to provide Council with a sense of our internal priorities. Finally, Staff requests that Council make tentative allocations of this CDBG award.

DISCUSSION:

This is the first in a series of Council hearings for the City's CDBG Action Plan for FY 2016/2017. The purpose of this public hearing is for Council to consider the recommendations offered by both the RAC and Staff before making tentative allocations of CDBG funding for next fiscal year. Council will be asked to consider approval of final allocations at its August 3, 2016 meeting.

As part of the allocation process, staff obtained public input by posting bilingual flyers throughout the city, at City Hall, the Housing Authority of the City of Madera and the Madera County Library. Bilingual notices were published in the Madera Tribune.

Public input meetings were held on February 5, 8 and 10, 2016; March 8, 10 and 11, 2016. Staff held a workshop with the RAC on March 24, 2016. On June 30, 2016, the RAC received presentations from applicants in the areas of Administration, Public Services and Capital Improvements/Public Facilities. (Council may also access the applications submitted for consideration through their iPads.) After deliberating the merits of each proposal, the RAC arrived at the recommendations contained in this report. Finally, staff prioritized all proposals and included these suggestions as part of tonight's public hearing. (See Attachment A: RAC & Staff Recommendations.) In conclusion, Staff urges Council to consider these recommendations and their financial impacts on the City as it makes its tentative allocation of CDBG funds for FY 2016/2017.

FINANCIAL IMPACT:

This is a Federal grant and the ultimate allocation of the available funding may affect the General Fund through increase revenues or expenditures.

VISION MADERA 2025 ACTION PLAN CONSISTENCY:

Given the broad scope of this grant, our Action Plan activities have the potential to advance an extensive number of the Vision Plan's objectives. Our RAC reviews funding request for consistency with the CDBG regulations, the Consolidated Plan and to promote the aspirations of the Vision Madera 2025 Plan.

Attachment A: RAC & Staff Recommendations

City of Madera 2016/2017 Proposed Community Development Block Grant Programs and Projects

Activity Type	Maximum Allocation	Proposal	Amount Requested	RAC June 30, 2016	Staff	Council July 20, 2016	Max. Remaining Funds
Administration	$ 166,970	Local Administration	$ 166,970	$ 150,970	$166,970		
		Fresno/Madera Continuum of Care	$ 16,000	$ 16,000			
		Total Administration:	**$ 182,970**	**$ 166,970**	**$166,970**	**$ -**	**$ 166,970**

Activity Type	Maximum Allocation	Proposal	Amount Requested	RAC June 30, 2016	Staff		Max. Remaining Funds
Public Services	$ 125,227	Madera County Workforce Investment Center	$ 64,000	$ 10,000			
		Pequeños Empresarios, Inc.	30,000	$ 7,000			
		Madera Coalition for Community Justice Madera-College Access Project	$ 18,500	$ 7,000			
		City of Madera Parks Senior Services	$ 135,157	$ 101,227	$125,227		
		Total Public Services:	**$ 247,657**	**$ 125,227**	**$125,227**	**$ -**	**$ 125,227**

Activity Type	Allocation	Proposal	Amount Requested	RAC June 30, 2016	Staff		Max. Remaining Funds
Capital Projects / Public Improvements	$ 555,656	City of Madera Parks & Community Services Department	$ 430,000	$ 430,000	$430,000		
		Madera City Fire Department	$ 25,000	$ 25,000	$ 25,000		
		City of Madera Public Works Department	$ 100,000	$ 100,656	$100,000		
		Total Capital Projects/Public Improvements:	**$ 555,000**	**$ 555,656**	**$555,000**	**$ -**	**$ 555,656**

$ -

City of Madera 2016/2017 Community Development Block Grant Proposed Programs and Projects

Applicant	Summary	Amount Requested	Tab
City of Madera Grant Administration	Administrative activities, services and equipment purchases required to carry out the CDBG program. Coordination/compliance, reporting to HUD, developing agreements with subrecipients and contractors to carry out program activities and administration of the Downpayment Assistance and Owner-Occupied Residential Rehabilitation programs as needed.	166,970	**1**
Fresno/Madera Continuum of Care	To promote through regional collaboration quality homeless services, community linkage to services, access and data input in the Homeless Management Information System.	16,000	**2**
	Total Administration Requests:	**182,970**	
	Maximum Administration Allocation:	**166,970**	
Madera County Workforce Investment Corporation	Scholarships/sponsorships for vocational training and certification programs for low-income adults	64,000	**3**
Pequeños Empresarios, Inc.	To prepare young children to become entrepreneurs and professional individuals in their adult life. To improve reading, comprehension, verbal and written communication.	30,000	**4**
Madera Coalition for Community Justice Resilient Madera 1 & 2	To facilitate leadership training and academic excellence and to provide a support system to address unique challenges and instill coping skills, reduce stress and develop resilient leaders.	18,500	**5**
City of Madera Parks & Community Services Department	Senior nutrition, fitness, recreational and educational program	135,157	**6**
	Total Public Services Requests:	**247,657**	
	Maximum Public Services Allocation:	**125,227**	
City of Madera Parks & Community Services Department	To address Centennial Park's aging infrastructure such as concrete pool decking and associated drains, shade structures, ADA deficits, lack of exterior lighting and deteriorated exposed wood beams.	430,000	**7**
Madera City Fire Department	To purchase a new emergency generator.	25,000	**8**
City of Madera Public Works Department	To purchase and install solar powered LED street lights in CDBG Census Tracts 5.02, 6.01, 6.02, 8 and 9.	100,000	**9**
	Total Capital Improvements/Public Facilities Requests:	**555,000**	
	Maximum Capital Improvement/Public Facilities:	**555,656**	

Return to Worksheet

TAB 1

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: ___Administration_____

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

This activity funds management and operating costs for administering the CDBG program. It is directly linked to the Consolidated Plan and supports many of the 2025 Vision Plan policies. The City's Grant Administration will carry it out during the 2016/2017 program year with a proposed budget of $166,970.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

This activity falls within the Program Administration costs category.

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Staff salary and benefits, program operating expenses, training, software, hardware, postage/mailing, telephone, advertising, fair housing coordination, preparing program budgets, evaluating program results with stated objectives, monitoring and program coordination/compliance, reporting to HUD and developing agreements with subrecipients and contractors to carry out program activities and administration of the Downpayment Assistance and Owner-Occupied Residential Rehabilitation program as needed.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

Total allocation cannot exceed 20 percent of annual formula grant amount.

STEP 2: PROHIBITION

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go no further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.

Costs that are appropriately charged to this category are presumed to meet a CDBG national objective.

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Consolidated and Action Plan application, program descriptions, certifications; executed grant agreement, description, geographic location and budget for each activity; HUD monitoring correspondence, citizen participation compliance documentation; Fair Housing and Equal Opportunity records, environmental review records, documentation of compliance with other Federal requirements (e.g., Davis-Bacon, Uniform Relocation Act, Lead-Based Paint).

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Not applicable.

WORKSHEET COMPLETED BY:

Jorge Rojas

(Name)

Program Manager - Grants

(Title)

June 3, 2016

(Date)

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
ADMINISTRATION PROPOSAL APPLICATION
2016/2017

AGENCY/PROGRAM INFORMATION **DATE SUBMITTED: March 21, 2015**

Legal Name of Agency: City of Madera

Program Name: CDBG Administration

Agency Address: 205 W. Fourth Street

City/Zip: Madera Telephone: 559-661-3693

Program Manager: Jorge Rojas FAX: 559-674-2972

SUMMARY OF COMMUNITY NEED OR PROBLEM TO BE ADDRESSED: (Describe the community need or problem to be addressed by the proposed program. State how and by whom the need was identified. All research documentation must be acknowledged.)

This activity provides oversight in all areas of the CDBG program. Oversight includes the following areas:

- **consultant services**
- **providing subrecipients with training and capacity building**
- **providing staff and the public with Fair Housing training and oversight**
- **funding to remain current with, but not limited to training, regulations and CDBG components such as:**
  - **Davis Bacon Prevailing Wage**
  - **National Environmental Policy Act**
  - **Section 3**
  - **Minority Business and Disadvantage Business recruitment and contracting**
  - **Outcome and Performance Measurements**
  - **Integrated Disbursement and Information System Reporting**
  - **Economic Development**
  - **Continuum of Care coordination and capacity building**
  - **Downtown and historic preservation**
  - **Neighborhood Revitalization Strategies**
  - **Americans with Disabilities Act compliance and ensuring access to programs and facilities**
  - **Administration of the Downpayment Assistance and Owner-Occupied Residential Rehabilitation Programs**

EXISTING SERVICES: List other agencies currently addressing the need or problem described above. (Attach sheets if necessary.)

Several agencies and City Departments carry out CDBG activities. They do not provide CDBG administrative services.

Explain how your program supplements or complements existing services without duplicating them. (Attach sheets if necessary.)

The response to this question is similar to the previous one. We complement the funded projects and programs by providing oversight and guidance, but we do not duplicate their activities.

CDBG Administration provides oversight and guidance of funded projects. It does not duplicate their activities.

CLIENT POPULATION

Indicate the total number of potential clients in the community who require your services.

Not applicable

State the total number of unduplicated clients you intend to serve during the term of this proposed program/service (12 months)

Not applicable

If this program was funded last year, has there been a change in the composition of the target population to be served and/or shift in the geographic target area?

_____ Yes ___**X**___ No

If yes, explain:

Provide the following demographic information for the total number of unduplicated clients as indicated above:

AGE	0 - 5	6 - 12	13 - 17	18 - 34	35 - 54	55 - 59	60 - 64	65 +
GENDER	Female							
	Male							
FEMALE HEAD								

This information is confidential and is only used for government reporting purposes to monitor compliance with equal opportunity laws. Please note that self-identification of race/ethnicity is voluntary.

RACE	NO.	RACE	NO.
White	_____	American Indian or Alaska native AND White	____
Black/African American	_____	Asian AND White	____
Asian	_____	Black/African American AND White	____
American Indian or Alaska Native	_____	American Indian/Alaska Native AND Black/African American	____
Native Hawaiian or Other Pacific Islander	_____	Other:_____	____
Mexican/Chicano	_____	Cuban	____
Puerto Rican	_____	Other Hispanic/Latino:_____	____

EFFECTIVENESS AND EFFICIENCY

Describe the method used to measure the effectiveness (outcomes) of services. Identify measurable goals and objectives. Attach a copy of the program's evaluation documentation.

Our effectiveness is measured annually and documented in the Consolidated Annual Performance and Evaluation Report. This provides a summary of what we accomplished throughout the program year as well as the number of persons served and amount spent.

What National Objective does your program meet?

Administration of the CDBG program is exempt from meeting a National Objective.

Describe what measureable objectives your program meets?

Administration of the CDBG program is exempt from measureable objectives.

How will your program meet its goals in one year?

A function of Administration associated with the CDBG program is the oversight and monitoring associated with ensuring CDBG-funded programs meet their stated goals.

How does your proposal support the Vision Madera 2025 Action Plan?

The scope of activities funded with CDBG have the potential to advance an extensive number of the Vision Madera 2025 Action Plan's objectives. Funding requests are reviewed for consistency with CDBG regulations and, also, to promote the aspirations of the Vision Madera 2025 Action Plan.

SERVICE FUNDING

What financial resources, other than City are available for this program? Have applications for other funds been submitted? Explain. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

Except the General Fund, no other sources are available.

Describe in detail all proposed plans for fund raising for this program. What is the projected net income from fund raising? If net fund raising is not increasing, please explain (be specific).

Not applicable.

What was done to receive public input/participation? Please provide details. What did the public input/participation identify? Include documentation of support for the proposal such as meeting minutes, letters and petitions.

Not applicable.

If service is offered outside the Madera city limits, include the list of funding sources and supporting documentation/letters of commitment that support these program services.

Not applicable for Administrative program oversight.

When there is an overflow of clients, how is it determined whom to serve?

Not applicable for Administrative program oversight.

Is income criteria used to establish eligibility for services?

_____ Yes __X__ No (If yes, attach a copy of the criteria.)

Is a fee schedule used?

____ Yes __X__ No (If yes, attach a copy of fee schedule.)

INCOME SOURCE	AMOUNT
CITY	
UNITED WAY	
STATE (SPECIFY)	
FEDERAL (SPECIFY) **(CDBG)**	166,970
SERVICE FEES	
FUND RAISING	
DONATIONS	
RESERVE/CONTINGENCY	
OTHER (LIST)	
TOTAL INCOME	166,970

		AMOUNT
SALARIES		100,182
BENEFITS		43,412
TELEPHONE		1,000
ADVERTISING		2,000
OFFICE SUPPLIES		2,250
SOFTWARE (Non Fair Housing)		2,000
WEBSITE (Non Fair Housing)		2,000
MILEAGE		1,250
CONFERENCE/TRAINING (Non Fair Housing)		2,000
INTERFUND CHARGE-CENTRAL SUPPLY		300
CONTRACTS **Fair Housing Training and Audit Services, HOME Long-Term Monitoring**		10,576
	TOTAL	166,970

SPONSORING AGENCY MANAGEMENT

CORPORATION DIRECTORS:

How often does the Board meet?

City Council serves as the governing board. Their meetings are the first and third Wednesday of every month.

What was the average number of Board members attending meetings last year?
_____7_____

Based on the bylaws, what is the minimum and maximum number of seats on the Board?

___4___ Minimum ___7___ Maximum

Please provide the following information:

Date of Incorporation: __**March 27, 1907**_____
IRS Employer Number: _**94-6000365**_____

Attach current Board of Directors' roster, including the names, addresses, occupations and number of years served on the Board.

Name	Occupation	Term	District
Robert L. Poythress, Mayor	Vice President/Manager, Citizen's Business Bank	Elected 2012, Mayor term ending December 2016	At-Large
Vacant as of December 17, 2015			1
Andrew J. Medellin, Council Member	Owner, Andy's Sports and Design	Elected 2012, Council Member term ending December 2016	2
William Oliver, Council Member	Business Support Specialist, Fresno County Economic Development Corporation	Elected 2014, Council Member term expires December 2018	3
Derek O. Robinson, Sr., Council Member	Postal Service Retiree, Youth Counselor, Track Athlete and Coach	Elected 2012, Council Member term ending December 2016	4
Charles Flores Rigby, Mayor Pro Tem	Pastor, Valley West Christian Center; Boys Basketball and Golf Coach, Madera Unified School District	Mayor Pro Tem Term Ending December 2016; Elected 2014, Council Member term ending December 2018	5
Donald E. Holley, Council Member	Machine Operator, Jesse Owens Games Organizer, past NAACP President, MLK Committee Member	Elected 2012, Council Member term ending December 2016	6

FINANCIAL:

How often are financial records audited, and by whom?

_**Annually by Price Paige & Company**_____

Are the treasurer and/or other financial officers bonded? __**Yes**_____

If so, for how much? _____**$1 million**_____

List any judgments or pending lawsuits against the agency or program:

_**None.**_____

List any outstanding obligations: _

__**None.**_____

RESOLUTION/CERTIFICATION:

Not applicable at this time. The City Council will approve a resolution for the final 2016/2017 programs and projects in the Action Plan.

We, the Board of Directors of _____ do hereby resolve that on _____, 2016, the Board reviewed this application and, furthermore, the Board in proper motion and vote approved this application for submission to the City of Madera.

Furthermore, we certify that the agency making this application is (1) non profit, (2) tax exempt, and (3) incorporated in the State of California, and has complied with all applicable laws and regulations. To the best of our knowledge, all information presented herein is correct and complete.

Dated: _____

AGENCY NAME: _____

ADDRESS: _____

TELEPHONE: _____

By: _____
President of the Board of Directors

This application and the information contained herein are true, correct and complete to the best of my knowledge.

By: _____
Grants Administrator

RETURN AN ORIGINAL AND TWO COPIES TO:	City of Madera 205 West Fourth Street Madera, CA 93637 Attention: CDBG Administration
DUE DATE:	**March 25, 2016, 12:00 p.m.**
CONTACT PERSON:	Jorge Antonio Rojas, Program Manager – Grants 559-661-3693 jrojas@cityofmadera.com

Return to Worksheet

TAB 2

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: __Fresno/Madera Continuum of Care_____

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

In 1995, HUD established the Continuum of Care (CoC) to provide resources to communities to implement community-wide, coordinated efforts for assessing and addressing the housing and service needs of individuals and families that were homeless or at risk of homelessness. The CoC coordinates homeless services and homelessness prevention activities across a specified geographic area. It supports the Consolidated Plan and 2025 Vision Plan as follows:

Program	Program Description	Con Plan Priority Rank	HUD Objective
Public Services: Homeless Services	To increase the awareness of the problems of homeless people or persons at risk of homelessness. To develop and carry out local strategies to create permanent solutions to address homeless persons and persons at risk of homelessness.	9	Decent Housing Suitable Living Environment

2025 Vision Plan Strategies	
No. 136	Transitional Housing: Promote transitional housing to ensure the homeless have safe shelter.

This activity is directly linked to the Consolidated Plan because addressing activities to assist homeless persons and persons at risk of homelessness is a requirement for the CDBG program. The Community Action Partnership of Madera County coordinates our local and regional efforts in partnership with the Fresno/Madera Continuum of Care. They are requesting $16,000 to administer our local CoC during our 2016/2017 program year.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

Program Administration
Low/Moderate Income Limited Clientele—Homeless Persons

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Staff salaries and benefits, office expenses, travel, training, consultant contracts (i.e., to increase capacity and to implement planning and coordination of local surveys to document characteristics of homeless persons and existing resources to assist homeless persons such as number of beds, access to health care, SSI, EBT, meal programs; and to prepare a Gaps Analysis, a Point-In-Time count and Homeless Management and Information System); costs associated with preparing and submitting applications for, yet not limited to, HUD Continuum of Care and Emergency Shelter Grant funds.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

A percentage of staff assigned to this activity also manages additional assistance programs and a women's shelter. Their time with these activities is not funded with CDBG. They are dependent on continued receipt of funds awarded through the state and federal sources as well as the CoC for management, maintenance and operation of their additional assistance programs and the women's shelter.

STEP 2: PROHIBITION

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go no further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.

Category: Benefit to low/moderate income persons
Criterion: Limited Clientele/Housing

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Documentation showing the activity is designed for exclusive use by a segment of the population presumed by HUD to be low/moderate and limited to homeless persons or at risk of homelessness, staff time cards, program operating expenditures and receipts for benefits, travel, training, consultant selection and agreement/contract including scope of service, costs and timeline.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Required certifications submitted with Annual Action Plan.

WORKSHEET COMPLETED BY:

(Name)

Program Manager - Grants
(Title)

June 3, 2016
(Date)

RECEIVED 3-24-16 J Rojas

ORIGINAL

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PUBLIC SERVICE PROPOSAL APPLICATION
2016/2017

AGENCY/PROGRAM INFORMATION **DATE SUBMITTED:** March 24, 2016

Legal Name of Agency: Community Action Partnership of Madera County, Inc.

Program Name: Fresno Madera Continuum of Care Ending Homelessness

Agency Address: 1225 Gill Avenue

City/Zip: Madera, 93637 Telephone: (559) 673-9173

Program Director: Elizabeth M. Wisener FAX (559) 673-3223

SUMMARY OF COMMUNITY NEED OR PROBLEM TO BE ADDRESSED: (Describe the community need or problem to be addressed by the proposed program. State how and by whom the need was identified. All research documentation must be acknowledged.)

This application seeks to help address community challenges created by homelessness in Madera. Homeless Services and Facilities was identified as a "High Priority" on The City of Madera's 2015 - 2019 Consolidated Plan. The most recent homeless-point-in-time-count was conducted in January 2016 in Fresno and Madera Counties, but the results have not been published yet. For purposes of this grant application the data from the 2015 Homeless Point-In-Time Count will be used to support how the need was identified. The 2015 Count Report enumerated 196 unsheltered homeless people and 68 sheltered homeless for a total of 264. Because of the support of the City of Madera with the CDBG grant, progress is being made on the Madera County's Ten Year Plan to End Homelessness that was put into place in 2011. Even though progress has occurred, there is more work that needs to be done. Below is a summary of the progress that is being made towards ending homelessness in Madera County:

HOMELESS POINT-IN-TIME COUNT HISTORY FOR THE COUNTY OF MADERA						
DESCRIPTION	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**
Sheltered	161	177	90	90	111	68
Unsheltered	365	551	551	242	221	196
Total	526	728	641	332	332	264
Percent Increase/ Decrease From Prior Year		38.40%	-11.95%	-48.21%	0.00%	-20.48%

The change in homelessness from 2010 to 2015 has declined by 262 or 49.8 %. The ongoing CDBG support that has been provided by the City of Madera has helped to make this happen.

If this funding request is awarded, CAPMC will assist the City of Madera in achieving the SP-45 Goal regarding Homeless Prevention as listed on page 147 of the City of Madera 2015 – 2019 Consolidated Plan.

The funding request also lines up with SP-60 Homeless Strategy as outlined on page 152 of the City of Madera 2015 – 2019 Consolidate Plan. This strategy outlines actions the City will take to address homelessness. The strategy includes a statement that the City will work with and support CAPMC. The Plan also shares that the City intends to continue supporting the Fresno Madera Continuum of Care and the Madera County Homeless Coalition.

EXISTING SERVICES: List other agencies currently addressing the need or problem described above. (Attach sheets if necessary.)

Madera homeless service providers include the following entities: The Madera Rescue Mission which provides emergency shelter services and transitional programs for the homeless, the Community Action Partnership of Madera County (CAPMC) operates both a Domestic Violence Shelter and the Shunammite Place; a permanent supportive housing program that provides housing for chronically homeless women, a men's Victory Outreach program, Turning Point operates Serenity Village in Oakhurst which is a permanent supportive housing program for men, and the Effie Kennon Ranch men's program in Fairmead. Please see the schedule below for a more complete list.

In addition, CAPMC is a member of the Fresno-Madera Continuum of Care (FMCoC); the Community Services Program Manager serves both on the Board of Directors and the Executive Committee. The Resident Manager of the Shunammite Place serves as the alternate board member. The FMCoC is comprised of homeless service providers who meet monthly to

collaborate, develop and improve on a community-wide systematic approach to addressing the needs of the homeless population. Per the Housing and Urban Development (HUD) regulations, it is required that agencies receiving homeless funding be members of a HUD recognized Continuum of Care, and the Shunammite Place is funded predominately by HUD.

In addition, the table below depicts the progress that has been made over the last 5 years in building capacity to serve the homeless.

Five-Year Comparison of Madera County Homeless Projects

Madera County Homeless Programs in 2010			Madera County Homeless Programs in 2015		
Count	Program	Housing Capacity	Count	Program	Housing Capacity
1	CAPMC - Shunammite Place	15	1	CAPMC - Shunammite Place	15
2	CAPMC - Martha Diaz Battered Women's Shelter	18		CAPMC - Martha Diaz Battered Women's Shelter	18
3	Madera Behavior Health- Madera Project	4	2	Madera Behavioral Health- Madera Project	4
4	DSS - Once-in-a-lifetime housing assistance	**		Madera Behavioral Health - Chowchilla Project	8
5	Madera Housing Authority Family Unification	16	3	DSS - Once-in-a-lifetime housing assistance	**
6	Madera Housing Authority VASH Program (Vets)	50	4	Madera Housing Authority Family Unification	16
7	Madera Rescue Mission	132	5	Madera Housing Authority VASH Program (Vets)	50
			6	Madera Rescue Mission	132
			7	Turning Point - Serenity Village in Oakhurst	7
			8	Effie Kennon Ranch	10
			9	DSS - CalWorks Assistance	**
			10	Victory Outreach Mens Home	10
			11	ClearView Outreach	30
	Total Bed Capacity	**235**		**Total Bed Capacity**	**300**

Notes:
Housing capacity increase by 65 or 27.65% in the last 5 years.
The chart above depicts rough estimates. If an ** is listed by housing capacity, the housing capacity is unknown.
Clearview Outreach shared that they helped house about 30 homeless people in 2015. They don't receive funding from a State or Federal entity. Their church provides assistance to homeless people to help them get off of the streets.

Explain how your program supplements or complements existing services without duplicating them. (Attach sheets if necessary.)

The Fresno-Madera Continuum of Care (FMCoC) invites nonprofit service providers, government entities, business, and individuals to join in the efforts to end homelessness in the community by becoming a member of the FMCoC. FMCoC does not duplicate or provide direct services, but enhances and compliments all other homeless services within the FMCoC region through the ability to standardize services, provide the mandated Federal organization of service providers and the community members, and enables the region to apply for or receive $7,589,285 annually in HUD homeless funds. Without the FMCoC, a Madera County entity would not be eligible to apply for HUD funds which provide operational and supportive services for the Shunammite Place permanent supportive housing and Serenity Village in Oakhurst.

The FMCoC is a federally mandated homeless organization that serves as the Continuum of Care for the cities of Fresno, Madera, Clovis and all municipalities within Fresno and Madera Counties. As such, FMCoC is dedicated to increasing the awareness of the problems of people

who are homeless and to the development and carrying out of local strategies to create permanent solutions to homelessness in our community. In the coming fiscal year, the FMCoC will carry out its mission by promoting and implementing these strategies to end homelessness.

This grant will pay for the personnel that will assist the FMCoC with awareness activities related to homeless issues within the City of Madera.

Some of the activities that the CAPMC staff will be responsible for are:

a. Ensure that the goals and objectives of the 10-year Plan to End Homelessness are being met and reported to the City of Madera and the Madera Homeless Coalition.

b. Coordinate the Madera Homeless Coalition meetings.

c. Organize and participate in activities to bring community awareness to the homeless populations and their issues.

d. Provide outreach, education and information to the community on resources available for homeless people or those at-risk of becoming homeless; including the Annual Homeless Awareness Day event.

e. Seek new funding sources to serve the homeless population.

f. Plan and coordinate the HUD mandated 2017 Homeless Point-In-Time Count

The funding of the CDBG grant is vital to the on-going support for the homeless of Madera County. Because of the funding of the CDBG grant, CAPMC has remained an active participant on the FMCoC Executive Board, by attending monthly meetings, and serving on the FMCoC service committees. CAPMC has essentially become the voice of Madera on the Continuum. The CAPMC staff then share news from the Continuum with members of the Madera County Homeless Coalition. Without participation from an entity in Madera, Madera County would not be eligible to apply for HUD funding to expand housing services to the homeless in Madera. This funding is vital part of the success of Madera County's 10 Year Plan to End Homelessness.

CLIENT POPULATION

Indicate the total number of potential clients in the community who require your services.

The 2015 Homeless Point-In-Time Count indicated there are 196 individuals were identified as unsheltered homeless. Within the city limits of Madera, 132 were found living on the streets.

State the total number of <u>unduplicated</u> clients you intend to serve during the term of this proposed program/service (12 months)

CAPMC does not intend to provide direct services to clients with this funding source.

If this program was funded last year, has there been a change in the composition of the target population to be served and/or shift in the geographic target area?

_____ Yes ___X___ No

If yes, <u>explain</u>:

Provide the following demographic information for the total number of unduplicated clients as indicated above:

AGE	0 - 5	6 - 12	13 - 17	18 - 34	35 - 54	55 - 59	60 - 64	65 +
GENDER	Female							
	Male							
FEMALE HEAD								

This information is confidential and is only used for government reporting purposes to monitor compliance with equal opportunity laws. Please note that self-identification of race/ethnicity is voluntary.

RACE	**NO.**	**RACE**	**NO.**
White	_____	American Indian or Alaska native AND White	____

Black/African American	_____	Asian AND White	____
Asian	_____	Black/African American AND White	____
American Indian or Alaska Native	_____	American Indian/Alaska Native AND Black/African American	____
Native Hawaiian or Other Pacific Islander	_____	Other:_____	____
Mexican/Chicano	_____	Cuban	____
Puerto Rican	_____	Other Hispanic/Latino:_____	____

EFFECTIVENESS AND EFFICIENCY

Describe the method used to measure the effectiveness (outcomes) of services. Identify measurable goals and objectives. Attach a copy of the program's evaluation documentation.

What National Objective does your program meet?

Although this grant application does not directly relate to the three designated National Objectives, the scope of work of a Continuum of Care Coordinator or similar position is eligible under the CDBG program as administrative cost. Please fund this application out of the administrative cost. As a reference, please see HUD Information Bulletin CPD-01-020.

Describe what measureable objectives your program meets?

1. Support activities of Madera County Homeless Coalition by coordinating and participating in Homeless Coalition meetings. The measurable performance indicator will be tracking participating in meetings.

Goal: Advocacy for Homeless				
Specific Objective	**Source of Funds**	**Year**	**Performance Indicator**	**Expected Number**
Support activities of Madera Homeless Coalition by facilitating the Madera County Homeless Coalition meetings	CDBG and other funds as available	2016/2017	Participate in meetings	6

2. CAPMC will have active membership on the Fresno-Madera Continuum of Care. Membership on the Continuum is vital because often the only representatives present at Continuum meetings

from Madera are those from CAPMC. The CAPMC staff then communicates information from the Continuum to the Madera Homeless Coalition. The measureable performance indicator will be participation in meetings.

Goal: Advocacy for Homeless				
Specific Objective	**Source of Funds**	**Year**	**Performance Indicator**	**Expected Number**
CAPMC will have active membership on the Fresno-Madera Continuum of Care.	CDBG and other funds as available	2016/2017	Participate meetings	24

3. CAPMC will work with Madera Homeless Coalition to plan and facilitate a Homeless Awareness Day for Homeless people in the city of Madera.

Goal: Advocacy for Homeless				
Specific Objective	**Source of Funds**	**Year**	**Performance Indicator**	**Expected Number**
Plan and facilitate a Homeless Awareness Day for Homeless people in the city of Madera.	CDBG and other funds as available	2016/2017	Event	1

4. CAPMC will plan and coordinate the 2017 Homeless Point-In-Time Count.

Goal: Advocacy for Homeless				
Specific Objective	**Source of Funds**	**Year**	**Performance Indicator**	**Expected Number**
Plan and facilitate a Homeless Point-In-Time Count	CDBG and other funds as available	2016/2017	Event	1

How will your program meet its goals in one year?

The program will monitor and report on performance indicators on a quarterly basis to the City of Madera. We will know that it has met its goals in one year if the performance indicators listed above reach the expected numbers.

SERVICE FUNDING

What financial resources, other than City are available for this program? Have applications for other funds been submitted? Explain. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

The CAPMC Staff who provide serve on the FMCoC are funded out of multiple sources. Funding is needed to cover the indirect cost associated with this grant application. The CDBG funding allows us to maximize resources to provide more comprehensive services to the homeless.

Describe in detail all proposed plans for fund raising for this program. What is the projected net income from fund raising? If net fund raising is not increasing, please explain (be specific).

Each year, CAPMC solicits in-kind donations from several sources to provide much needed assistance for homeless awareness day and the homeless point-in-time count. A dollar value has not been assigned from the donations, but the events would not be successful without the additional support. This past year we received 100 donated boxed lunches to pass out to the homeless for homeless awareness day, hygiene kit supplies, blankets, tee-shirts for volunteers for the homeless count, meals for the volunteers for both homeless awareness day and the homeless count. We do not have specific commitments for the 2016-2017 year, but Madera businesses are more than willing to support these types of community events.

What was done to receive public input/participation? Please provide details. What did the public input/participation identify? Include documentation of support for the proposal such as meeting minutes, letters and petitions.

CAPMC has the support of the Madera County Homeless Coalition members and the Fresno-Madera Continuum of Care members to continue facilitating and coordinating the homeless activities of the Coalition. Attached are nine support letters that were received from the following agencies:

- The Madera County Food Bank
- Madera County Workforce Development Board
- Department of Veterans Affairs
- Madera County Behavioral Health Services

- Sierra Vista Presbyterian Church
- Salvation Army
- Clearview Outreach
- Department of Social Services County of Madera
- Hope House

If service is offered outside the Madera city limits, include the list of funding sources and supporting documentation/letters of commitment that support these program services.

CAPMC does not intend to provide direct services to clients with this funding source.

When there is an overflow of clients, how is it determined whom to serve?

The Centralized/Standardized intake process that is utilized by the Homeless Management Information System (HMIS) and the FMCoC addresses the issue through the standardized referral and replacement of homeless into appropriate and available programs. This is one of the mandated services and homeless project implementations that HUD has required implementation by all CoC's. Further, within our FMCoC and the Madera Homeless Coalition ongoing dialogue and interagency cooperation assist in ensuring that all clients' needs are met.

Is income criteria used to establish eligibility for services?

CAPMC does not intend to provide direct services to clients with this funding source.

_____ Yes _____ No (If yes, attach a copy of the criteria.)

Is a fee schedule used?

CAPMC does not intend to provide direct services to clients with this funding source.

____ Yes _____ No (If yes, attach a copy of fee schedule.)

INCOME SOURCE	AMOUNT
CITY	
UNITED WAY	
STATE (SPECIFY)	
FEDERAL (SPECIFY) CDBG	$16,000
SERVICE FEES	
FUND RAISING	
DONATIONS	
RESERVE/CONTINGENCY	
OTHER (LIST)	
TOTAL INCOME	$16,000

SALARY EXPENSES	ACCOUNT NO.	AMOUNT
SALARIES	0100	$9,073
BENEFITS	0150	$2,296
SERVICES & SUPPLIES		
INSURANCE	0200	
COMMUNICATIONS	0250	$332
CONSULTANT SERVICES	0300	$1,000
OFFICE EXPENSE	0350	$30
OFFICE RENTAL	0400	$831
EQUIPMENT RENTAL	0450	
UTILITIES	0500	$148
TRAVEL (ADMIN.)	0550	$1,000
FOOD SUPPLIES	0600	
CONTRACTS	0650	$155
TRANSPORTATION	0700	$1,135
FUND RAISING	0750	
TOTAL		$16,000

SPONSORING AGENCY MANAGEMENT

CORPORATION DIRECTORS:

How often does the Board meet? Monthly

What was the average number of Board members attending meetings last year? 9

Based on the bylaws, what is the minimum and maximum number of seats on the Board?

15 Minimum 15 Maximum

Please provide the following information:

Date of Incorporation: 1965

IRS Employer Number: 94-1612823

Attach current Board of Directors' roster, including the names, addresses, occupations and number of years served on the Board.

FINANCIAL:

How often are financial records audited, and by whom?

CAPMC is audited once a year by Randolph E. Scott & Company

Are the treasurer and/or other financial officers bonded? Yes

If so, for how much? $200,000

List any judgments or pending lawsuits against the agency or program:

None

List any outstanding obligations:

None

RESOLUTION/CERTIFICATION:

We, the Board of Directors of Community Action Partnership of Madera County, Inc. do hereby resolve that on February 11, 2016, the Board reviewed this application and, furthermore, the Board in proper motion and vote approved this application for submission to the City of Madera.

Furthermore, we certify that the agency making this application is (1) non profit, (2) tax exempt, and (3) incorporated in the State of California, and has complied with all applicable laws and regulations. To the best of our knowledge, all information presented herein is correct and complete.

Dated: February 11, 2016

AGENCY NAME: Community Action Partnership of Madera County, Inc.

ADDRESS: 1225 Gill Avenue, Madera, CA. 93637

TELEPHONE: (559) 673-9173

By: _____
Chairperson of the Board of Directors

This application and the information contained herein are true, correct and complete to the best of my knowledge.

By: _____
Executive Director

RETURN AN ORIGINAL AND TWO COPIES TO:

City of Madera
205 West Fourth Street
Madera, CA 93637
Attention: CDBG Administration

DUE DATE: **March 25, 2016, 12:00 p.m.**

CONTACT PERSON:

Jorge Antonio Rojas, Program Manager – Grants
559-661-3693
jrojas@cityofmadera.com

Community Action Partnership of Madera County
Board of Directors

Representing	Date Seated	Board Member	Phone #	Term Expires
		PUBLIC OFFICIALS		
Department of Social Services	05/01/09	**Kelly Woodard** Social Services Director P.O. Box 569 (Mail) 700 East Yosemite Avenue Madera, CA 93639	Office: 675-7841 Email: kelly.woodard@co.madera.ca.us	**n/a**
Alternate **Executive Committee Member** **Expires October 2016**	09/13/12	**Miguel Gonzalez** Program Manager P.O. Box 569 (Mail) 629 East Yosemite Avenue Madera, CA 93639	Office: 675-7841 Email: miguel.gonzalez@co.madera.ca.us	**n/a**
Madera Unified School District **Education Expertise**	6/12/14	**Laura Tanner-McBrien** Madera Unified School District 1902 Howard Road Madera, CA 93637	Office: 675-4500 Ext ____ DOB	**n/a**
Alternate	12/11/14	**Victor Villar** Madera Unified School District Director of Special Services 1902 Howard Road Madera, CA 93637	Office: 675-4500 Ext 223	**n/a**
Board of Supervisors **Business Administration Expertise**	01/01/13	**Rick Farinelli** Madera County Board of Supervisors 200 West 4th Street Madera, CA 93637	Office: 675-7700 Direct: 662-6113 Cell: 706-5386 Email: DOB 11/29/50	**n/a**
Alternate	01/11/2011	**Max Rodriguez** Madera County Board of Supervisors 200 West 4th Street Madera, Ca. 93637		**n/a**
Madera City Council	01/01/15	**Donald E. Holley** Madera City Hall 205 W. Fourth Street Madera, CA 93637 613 South "B" Street Madera, CA 93638	cell- (559)706-9394 Email: deholley@nationwide.net DOB Home: (559)674-9787	**n/a**
Alternate	01/01/15	**William Oliver** Madera City Hall 205 W. Fourth Street Madera, CA 93637	Cell: (559)474-0303 Email: Woliver21@gmail.com	**n/a**
City of Chowchilla **Business Administration Expertise** **Chairperson** **Expires October 2016**	03/10/09	**Dennis Haworth** 130 S. Second St. Chowchilla, CA 93610	Home: 665-7885 Cell: 474-2320 Email:dhaworth@maderacap.org	**n/a**
Alternate	01/01/15	**Mary Gaumnitz** 130 S. Second St.. Chowchilla, CA 93610	Day: Cell: E-mail:	**n/a**

PRIVATE SECTOR

Madera Chamber of Commerce **Community Affairs Expertise** **Vice Chairperson** **Expires October 2016**	12/10/09	**Dennis Smith** 1808 Howard Road Madera, CA 93637	Day: 674-8542 Cell: 232-7777 Email: dsmith@maderacap.org	***12/10/14*** (1st term) ***12/10/19*** (2nd term)
Policy Council – Regional Head Start	10/1/2015	**Brenda Camarillo** 801 North Granada Apt #42C Madera, CA 93637	Cell: (559)479-1255 (559)718-8994 Camarillo.brenda08.bc@gmail.com	
Fiscal Management / Accounting	02/10/11	**Emlen Miles-Mattingly** 2649 Kimberly Drive Madera, Ca. 93637	Home 307-0767 Cell: 681-9838 Email: emattingtly@maderacap.org	**02/10/16** (1st term) **02/10/21** (2nd term)
VACANT	9/1/15			
Early Childhood Education and Development *(Designated 5/15/09)* **Executive Committee Member** **Expires October 2016**	10/8/09	**Kathy Lopes** 2378 Trevor Way Madera, CA 93637	Home: 674-7044 Cell: 871-6025 Email: klopes@maderacap.org	**10/08/14** *(1st term)* **10/08/19** *(2nd term)*

TARGET AREAS

Central Madera/Alpha (Homeless Representative)	10/9/14	**Cynthia Russell** Shunammite Place	(559)664-8212 (Shunammite Place Phone)	**09/06/17** **(2nd term of previous member)**
Alternate				**N/A**
Eastern Madera County	12/1/15	Tyson Pogue	tpogue@co.madera.ca.gov	**12/1/20** *(1st term)* **12/1/25**
Alternate				
Eastside/Parksdale **Secretary/Treasurer** **Expires October 2016**	04/12/09	**Ruth Carral** 2300 Riverview Drive #104 Madera, CA 93637 13295 Fern Street Madera, CA 93638	Home: 673-1124 Cell: 977-4654 Email: rcarral@maderacap.org	**04/12/14** *(1st term)* **04/12/19** *(2nd term)*
Alternate	04/12/09	Maxine Barnett 900 South A Street Madera, CA 93638	Home: 674-1695 None	N/A
Fairmead/ Chowchilla **Executive Committee Member** **Expires October 2016**	3/11/2010	**Caroline Williams** 981 Suburban Avenue Madera, CA 93637	Home: 665-5290 Cell: 974-4749 Email: cwilliams@maderacap.org	***3/11/15*** *(1st term)* ***3/11/20*** *(2nd term)*
Alternate		Vacant		
Monroe/Washington	11/13/14	Pat Marquardt 1121 Dellavalle Ave Madera, CA 93638	Home: Work: Cell: (559)706-8938 Email:	***11/13/19*** *(1st term)* ***11/13/24*** *(2nd term)*

Revised 11/13/15

Committees

Executive Committee
Dennis Haworth, Chairperson
Dennis Smith, Vice Chairperson
Ruth Carral – Sec/Treasurer
Miguel Gonzales
Kathy Lopes
Caroline Williams

Personnel Committee
Cynthia Russell
Dennis Haworth
Kathy Lopes
Donald Holley

Finance Committee
Emlen Miles-Mattingly
Rick Farinelli
Ruth Carral
Donald Holley

Legal Council
Russell K. Ryan, Esq.
Motschiedler, Michaelides & Wishon, LLP
1690 West Shaw Avenue, Suite 200
Fresno, California 93711
Telephone: (559) 439-4000

MADERA COUNTY FOOD BANK

THE ♥ OF COMMUNITY MATTERS

To Whom It May Concern: February 17, 2016

The Madera County Food Bank is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

The Community Action Partnership of Madera County, Inc. (CAPMC), a 501c (3) non-profit corporation organized in 1965, was formed to advocate, develop and operate programs and services that allow individuals and families to acquire skills and knowledge, gain access to new opportunities, and achieve their full potential. CAPMC carries out its mission, *helping people, changing lives and making our community a better place to live by providing resources and services that inspire personal growth and independence,* through a variety of means. One way this is accomplished is by partnering with other community-based organizations to address unmet needs within our community.

The CDBG funding will enable CAPMC to continue its partnership with the Fresno Madera Continuum of Care to collaboratively reduce homelessness in Fresno and Madera Counties.

With assistance of the CDBG funding, CAPMC will seek to accomplish the following:

- Ensure the goals and objectives of the 10 Year Plan to End Homelessness are being met and reported to the City of Madera and Madera County Homeless Coalition.
- Seek ongoing support to the homeless of Madera County.
- Coordinate Madera County Homeless Coalition meetings. Report on activities of the Fresno Madera Continuum of Care (FMCoC) meetings to the Homeless Coalition and then report back to the FMCoC on activities of the Coalition.
- Provide outreach, education and information to the community on resources available for homeless people or those at-risk of becoming homeless.
- Plan and coordinate the HUD mandated homeless-point-in-time count in January 2017.

CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness of families in our community. CAPMC believes the Fresno Madera Continuum of Care members are taking the steps necessary to ensure the on-going success of this program. I look forward to continuing to work with CAPMC to end homelessness in the Madera area.

Sincerely,

Ryan McWherter
Executive Director

WORKFORCE
DEVELOPMENT BOARD
of MADERA COUNTY

February 17, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

To Whom It May Concern:

The Workforce Development Board of Madera County is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

The Community Action Partnership of Madera County, Inc. (CAPMC), a 501c (3) non-profit corporation organized in 1965, was formed to advocate, develop and operate programs and services that allow individuals and families to acquire skills and knowledge, gain access to new opportunities, and achieve their full potential. CAPMC carries out its mission, *helping people, changing lives and making our community a better place to live by providing resources and services that inspire personal growth and independence,* through a variety of means. One way this is accomplished is by partnering with other community-based organizations to address unmet needs within our community.

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- Plan and coordinate the HUD mandated homeless-point-in-time count in January 2017.

CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness of families in our community. CAPMC believes the Fresno Madera Continuum of Care members are taking the steps necessary to ensure the on-going success of this program. I look forward to continuing to work with CAPMC to end homelessness in the Madera area.

Sincerely,

Elaine M. Craig

Elaine M. Craig, Executive Director
Workforce Development Board of Madera County

DEPARTMENT OF VETERANS AFFAIRS
VA Central California Healthcare System
2615 East Clinton Avenue
Fresno CA 93703-2286

February 17, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

To Whom It May Concern:

VACCHCS is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

The Community Action Partnership of Madera County, Inc. (CAPMC), a 501c(3) non-profit corporation organized in 1965, was formed to advocate, develop and operate programs and services that allow individuals and families to acquire skills and knowledge, gain access to new opportunities, and achieve their full potential. CAPMC carries out its mission, *helping people, changing lives and making our community a better place to live by providing resources and services that inspire personal growth and independence,* through a variety of means. One way this is accomplished is by partnering with other community-based organizations to address unmet needs within our community.

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- Provide outreach, education and information to the community on resources available for homeless people or those at-risk of becoming homeless.
- Plan and coordinate the HUD mandated homeless-point-in-time count in January 2017.

CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness of families in our community. CAPMC believes the Fresno Madera Continuum of Care members are taking the steps necessary to ensure the on-going success of this program. I look forward to continuing to work with CAPMC to end homelessness in the Madera area.

Sincerely,

Lisa Canty
Chief Social Work Service

MADERA COUNTY
BEHAVIORAL HEALTH SERVICES
Administration

DENNIS P. KOCH, MPA
DIRECTOR OF BEHAVIORAL HEALTH SERVICES
•MENTAL HEALTH DIRECTOR
•ALCOHOL/DRUG PROGRAM ADMINISTRATOR

P.O. BOX 1288
MADERA, CA 93639-1288
PHONE (559) 673-3508 TTY (800) 735-2922
FAX (559) 675-4999
CONFIDENTIAL FAX (559) 661-2818

February 17, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

To Whom It May Concern:

Madera County Behavioral Health Services is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

The Community Action Partnership of Madera County, Inc. (CAPMC), a 501c (3) non-profit corporation organized in 1965, was formed to advocate, develop and operate programs and services that allow individuals and families to acquire skills and knowledge, gain access to new opportunities, and achieve their full potential. CAPMC carries out its mission, *helping people, changing lives and making our community a better place to live by providing resources and services that inspire personal growth and independence,* through a variety of means. One way this is accomplished is by partnering with other community-based organizations to address unmet needs within our community.

The CDBG funding will enable CAPMC to continue its partnership with the Fresno Madera Continuum of Care to collaboratively reduce homelessness in Fresno and Madera Counties.

With assistance of the CDBG funding, CAPMC will seek to accomplish the following:

- Ensure the goals and objectives of the 10 Year Plan to End Homelessness are being met and reported to the City of Madera and Madera County Homeless Coalition.
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- Provide outreach, education and information to the community on resources available for homeless people or those at-risk of becoming homeless.
- Plan and coordinate the HUD mandated homeless-point-in-time count in January 2017.

CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness of families in our community. CAPMC believes the Fresno Madera Continuum of Care members are taking the steps necessary to ensure the on-going success of this program. I look forward to continuing to work with CAPMC to end homelessness in the Madera area.

Sincerely,

Dennis P. Koch
Director

Sierra Vista
PRESBYTERIAN CHURCH

February 17, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

To Whom It May Concern:

(*insert organization name*) is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

The Community Action Partnership of Madera County, Inc. (CAPMC), a 501c (3) non-profit corporation organized in 1965, was formed to advocate, develop and operate programs and services that allow individuals and families to acquire skills and knowledge, gain access to new opportunities, and achieve their full potential. CAPMC carries out its mission, *helping people, changing lives and making our community a better place to live by providing resources and services that inspire personal growth and independence,* through a variety of means. One way this is accomplished is by partnering with other community-based organizations to address unmet needs within our community.

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Sincerely,

Michael Baird
Administrator
Sierra Vista Presbyterian Church

P. O. Box 2403 (39696 Highway 41) Oakhurst, CA 93644
Email: info@sierravistachurch.org
Phone: (559) 683-6742 Fax: (559) 683-6110
Website: www.sierravistachurch.org

THE SALVATION ARMY – MADERA
1816 HOWARD ROAD, #8 – MADERA CA 93637
(559)675-7002

February 17, 2016

To Whom It May Concern:

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

The Salvation Army Family Service & Ministry Center is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

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Sincerely,

Carrie Phillips
Director

February 17, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

To Whom It May Concern:

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CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness of families in our community. CAPMC believes the Fresno Madera Continuum of Care members are taking the steps necessary to ensure the on-going success of this program. I look forward to continuing to work with CAPMC to end homelessness in the Madera area.

Sincerely,

DEPARTMENT OF SOCIAL SERVICES
COUNTY OF MADERA
700 E. YOSEMITE AVENUE / MADERA, CALIFORNIA 93638
P. O. BOX 569
(559) 675-7841 PHONE / (559) 675-7603 FAX

KELLY WOODARD, Director

An Equal Opportunity Employer

February 19, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

To Whom It May Concern:

The Madera County Department of Social Services is pleased to provide this letter of support for Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application that is being submitted to the City of Madera to end homelessness and to encourage CAPMC to continue the supportive efforts.

The Community Action Partnership of Madera County, Inc. (CAPMC), a 501c (3) non-profit corporation organized in 1965, was formed to advocate, develop and operate programs and services that allow individuals and families to acquire skills and knowledge, gain access to new opportunities, and achieve their full potential. CAPMC carries out its mission, "*Helping people, changing lives and making our community a better place to live by providing resources and services that inspire personal growth and independence*" through a variety of means. One way this is accomplished is by partnering with other community-based organizations to address unmet needs within our community.

The CDBG funding will enable CAPMC to continue its partnership with the Fresno Madera Continuum of Care, to collaboratively reduce homelessness in Fresno and Madera Counties.

With assistance of the CDBG funding, CAPMC will seek to accomplish the following:

- Ensure the goals and objectives of the 10 Year Plan to End Homelessness are being met and reported to the City of Madera and Madera County Homeless Coalition.
- Seek ongoing support to the homeless of Madera County.
- Coordinate Madera County Homeless Coalition meetings. Report on activities of the Fresno Madera Continuum of Care (FMCoC) meetings to the Homeless Coalition and then report back to the FMCoC on activities of the Coalition.
- Provide outreach, education and information to the community on resources available for homeless people or those at-risk of becoming homeless.
- Plan and coordinate the HUD mandated homeless-point-in-time count in January 2017.

CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness of families in our community. CAPMC believes the Fresno Madera Continuum of Care members are taking the steps necessary to ensure the on-going success of this program. I look forward to continuing to work with CAPMC to end homelessness in the Madera area.

I look forward to hearing of the approval and continuance of this project.

If you require any additional information please contact Kelly Woodard, Director at 559-675-7841.

Sincerely,

Kelly Woodard
Director

HOPE HOUSE

117 North R Street, Suite 103
Madera, California 93637

February 18, 2016

Re: Letter of Support for Community Action Partnership of Madera County's Community Development Block Grant Application

Dear Madera County Board of Supervisors,

Hope House is pleased to provide this letter of support for the Community Action Partnership of Madera County's (CAPMC) Community Development Block Grant (CDBG) application, submitted to the City of Madera to address and reduce homelessness.

The CDBG funding will enable CAPMC to continue its partnership with the Fresno Madera Continuum of Care to collaboratively reduce homelessness in Fresno and Madera Counties.

With assistance of the CDBG funding, CAPMC will seek to accomplish the following:

- Ensure the goals and objectives of the 10 Year Plan to End Homelessness are being met and reported to the City of Madera and Madera County Homeless Coalition.
- Seek ongoing support to the homeless of Madera County.
- Coordinate Madera County Homeless Coalition meetings. Report on activities of the Fresno Madera Continuum of Care (FMCoC) meetings to the Homeless Coalition and then report back to the FMCoC on activities of the Coalition.
- Provide outreach, education and information to the community on resources available for homeless people or those at-risk of becoming homeless.
- Plan and coordinate the HUD mandated homeless-point-in-time count in January 2017.

CAPMC supports the Fresno Madera Continuum of Care's endeavors to end homelessness in our community. Therefore, I am pleased to support CAPMC's Community Development Block Grant application.

Sincerely,

Alfonso Lopez,
Program Director

Phone: (559) 664-9021 Fax: (559) 664-9027

Return to Worksheet

TAB 3

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: _Madera County Workforce Investment Corporation_____

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

Program	Program Description	Priority	Con Plan Priority Rank	HUD Objective
Public Services: Youth Services	Includes programs engaging youth to provide job and employment training and life skills training.	High	2	Suitable Living Environment Expanded Economic Opportunities

2025 Vision Plan Strategy 215	Educational and Occupational Opportunities: Ensure educational and occupational opportunities are available for all Maderans	Lead Role	Supporting Role
Action 215.1	Promote available educational and occupational programs.	Madera County Workforce Development Office (now Investment Corporation)	Hispanic Chamber of Commerce

This activity will be accomplished during the 2016/2017 program year. It is requesting an allocation of $64,000.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

Public Services/Employment Services (e.g., job training)

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Employment-related internship, pre-apprenticeship, classroom and hands-on training expenses for equipment, CPR and OSHA certifications.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

Gross annual household income by household size certification and documentation.

STEP 2: PROHIBITION

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go no further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. **Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.**

National Objective: Low/Moderate Income Person or Household
Category: Limited clientele

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this worksheet.

Data showing the size and annual income of the family of each person receiving the benefit, receipts for training expenses.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Submitted certifications with Action Plan.

WORKSHEET COMPLETED BY:

(Name)

Program Manager - Grants

(Title)

June 9, 2016

(Date)

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PUBLIC SERVICE PROPOSAL APPLICATION
2016/2017

AGENCY/PROGRAM INFORMATION **DATE SUBMITTED: February 18, 2016**

Legal Name of Agency: Madera County Workforce Investment Corporation

Program Name: SALT: Scholarships for Adult Learning and Training

Agency Address: 441 E. Yosemite Avenue

City/Zip: Madera Telephone: 559-662-4589

Program Director: Elaine M. Craig, Executive Director FAX: 559-673-1794

SUMMARY OF COMMUNITY NEED OR PROBLEM TO BE ADDRESSED: (Describe the community need or problem to be addressed by the proposed program. State how and by whom the need was identified. All research documentation must be acknowledged.)

U.S. Census data from 2014 indicates that 26.9% of the population of the City of Madera live in households below the poverty level. In addition, the unemployment rate for the City of Madera, as published by the State of California Employment Development Department for the month of December 2015 was 8.7%, compared to the County of Madera at 10.1%, the State at 5.8% and National at 4.8%. The unemployment rate for the City of Madera, however, does not reflect the statistic of "Not in Labor Force" which is 40.7% of those 16 years and over. Approximately one half of the unemployed individuals who reside in Madera County live within the City of Madera. Compounding these issues of poverty and unemployment is the fact that 42% of those 25 and older in our area have less than High School diploma or equivalent, while less than 7.2% hold a Bachelor's degree and only 7.0% have an Associate's Degree. According to a report by the Center on Education and the Workforce at Georgetown University, 63% of the available jobs between now and 2018 will require at least come post-secondary training or education. To assist in addressing this need, the Madera County Workforce Investment Corporation is proposing a program offering scholarships or sponsorships for educational services (GED/HISET and High School Diploma Credit Recovery), vocational training, and certification programs. Any training will be followed with a work-based learning opportunity such as; paid internships, work experience and job shadowing with stipends at an organization or businesses in the sector in which the individual was trained, and related supportive services for low-income adult residents of the City of Madera. Programs offered will be targeted to the demand occupations in our area and could include programs in Health Care, Advanced Manufacturing, Transportation/Logistics, Agriculture, Renewable Energy and Tourism/Hospitality. In addition to these sectors, the Jump Start Pre-Apprenticeship program offered through a partnership with the Joint Apprenticeship

RECEIVED 2-18-2016

Training Committee and the local International Brotherhood of Electrical Workers will be available. The pre-apprenticeship program offers classroom and hands-on training resulting in a forklift certification, OSHA safety certification and CPR, resulting in access to apprenticeship opportunities in the Electrical, Plumbing and Pipe Fitting, and Sheet Metal trades, as well as certifications valued by local employers in the manufacturing, agriculture, warehousing/logistics, and transportation sectors. In addition, eligible participants will receive intensive career counseling and coaching for career pathway choices and options with training that allows maximum opportunity for stackable and portable certificates and credentials.

EXISTING SERVICES: List other agencies currently addressing the need or problem described above. (Attach sheets if necessary.)

None

Explain how your program supplements or complements existing services without duplicating them. (Attach sheets if necessary.)

As noted above, many individuals who are seeking employment are in need of a high school diploma or equivalent, post-secondary education or technical occupational skills training, licensing, or certification, particularly in the area of the trades and technology. Funding and resources for training continue to decline and have been reduced significantly in our area over the last eight years, while the demand for higher skilled workers has been increasing, particularly as we continue to climb out from the recession. This proposed program will increase access to training, and the critical need for the added component of a work based learning activity, as well as supportive services, such as mileage, books, testing fees, etc. that increase successful completion of training to eligible individuals, and will complement other resources and services available through other community agencies, without duplication of those services, while increasing each individual participant's ability to successfully locate, obtain, and retain employment in positions that will move them along the path to economic self-sufficiency.

CLIENT POPULATION

Indicate the total number of potential clients in the community who require your services.

Approximately 5,000

State the total number of unduplicated clients you intend to serve during the term of this proposed program/service (12 months)

20

If this program was funded last year, has there been a change in the composition of the target population to be served and/or shift in the geographic target area?

_____ Yes ___X___ No

If yes, explain:

Provide the following demographic information for the total number of unduplicated clients as indicated above:

AGE	0 - 5	6 - 12	13 - 17	18 - 34	35 - 54	55 - 59	60 - 64	65 +
				7	11	2		
GENDER	Female	11						
	Male	9						
FEMALE HEAD	3							

This information is confidential and is only used for government reporting purposes to monitor compliance with equal opportunity laws. Please note that self-identification of race/ethnicity is voluntary.

RACE	NO.	RACE	NO.
White	7	American Indian or Alaska native AND White	
Black/African American	2	Asian AND White	
Asian	1	Black/African American AND White	
American Indian or Alaska Native		American Indian/Alaska Native AND	

		Black/African American	__1__
Native Hawaiian or Other Pacific Islander	_____	Other:_____	____
Mexican/Chicano	__9___	Cuban	____
Puerto Rican	_____	Other Hispanic/Latino:_____	____

EFFECTIVENESS AND EFFICIENCY

Describe the method used to measure the effectiveness (outcomes) of services. Identify measurable goals and objectives. Attach a copy of the program's evaluation documentation.

The program services will be evaluated using the same outcome metrics as other Workforce Innovation and Opportunity Act (WIOA) funded programs. Performance measurements will include the total number of individuals served, the number of individuals completing training and receiving a certificate/credential, and the number who enter employment, apprenticeship, or post-secondary education/training following completion of their program as well as job retention.

What National Objective does your program meet?

#1 – Activities Benefiting Lower Income Persons/Households

Describe what measureable objectives your program meets?

Increasing certificate, credential, and employment outcomes for the target population.

How will your program meet its goals in one year?

Training programs offered will range from four weeks for truck driving or pre-apprenticeship, up to eight months for Welding and Industrial Maintenance, and will be completed within the 12 month operating period.

SERVICE FUNDING

What financial resources, other than City are available for this program? Have applications for other funds been submitted? Explain. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

Local Workforce Innovation and Opportunity Act (WIOA) funding (both allocated and grants), as well as CalWORKS and Department of Rehabilitation funds may be accessed/leveraged, based on the eligibility of the individuals served. Staff time and operating costs associated with providing services under this grant will be provided by funds other than CDBG.

Describe in detail all proposed plans for fund raising for this program. What is the projected net income from fund raising? If net fund raising is not increasing, please explain (be specific).

No fundraising is planned or anticipated.

What was done to receive public input/participation? Please provide details. What did the public input/participation identify? Include documentation of support for the proposal such as meeting minutes, letters and petitions.

The Annual Local Strategic Plan has a public comment period and is available for review and comment. The public has an opportunity to provide feedback and input at any time during their participation with our program. In addition, quarterly and monthly meetings of the Workforce Development Board and their Executive Committee include public comment opportunities.

If service is offered outside the Madera city limits, include the list of funding sources and supporting documentation/letters of commitment that support these program services.

Services will be provided to residents of the incorporated City of Madera.

When there is an overflow of clients, how is it determined whom to serve?

Priority of services shall be given to recipients of public assistance and other low income individuals and Veterans who reside within the City of Madera. Individuals who reside outside the City limits but within Madera County will only be served after the priority individuals listed above. Overflow customers will be offered the opportunity to access other training opportunities should funding be available. Basic Career Services is available to all customers who access the Job Center, such as: Resource Room, Resume, Job Search, Use of Computers, Fax and Phone, Registration in CalJobs and other job boards.

Is income criteria used to establish eligibility for services?

__X__ Yes _____ No (If yes, attach a copy of the criteria.)

Is a fee schedule used?

____ Yes __X____ No (If yes, attach a copy of fee schedule.)

INCOME SOURCE	AMOUNT
CITY	
UNITED WAY	
STATE (SPECIFY)	
FEDERAL (SPECIFY)	
SERVICE FEES	
FUND RAISING	
DONATIONS	
RESERVE/CONTINGENCY	
OTHER (LIST)	
TOTAL INCOME	

SALARY EXPENSES	ACCOUNT NO.	AMOUNT
SALARIES	0100	
BENEFITS	0150	
SERVICES & SUPPLIES		
INSURANCE	0200	
COMMUNICATIONS	0250	
CONSULTANT SERVICES	0300	
OFFICE EXPENSE	0350	
OFFICE RENTAL	0400	
EQUIPMENT RENTAL	0450	
UTILITIES	0500	
TRAVEL (ADMIN.)	0550	
FOOD SUPPLIES	0600	
CONTRACTS/CLIENT SERVICES	0650	64,000
TRANSPORTATION	0700	
FUND RAISING	0750	
TOTAL		

SPONSORING AGENCY MANAGEMENT

CORPORATION DIRECTORS:

How often does the Board meet? Monthly

What was the average number of Board members attending meetings last year? Five

Based on the bylaws, what is the minimum and maximum number of seats on the Board?

5 Minimum 8 Maximum

Please provide the following information:

Date of Incorporation: May 9, 2012

IRS Employer Number: 45-5243432

Attach current Board of Directors' roster, including the names, addresses, occupations and number of years served on the Board.

FINANCIAL:

How often are financial records audited, and by whom? Required by Uniform Guidance Part 200, annual Single Audit is performed by an outside auditing agency annually. Auditor: Morse Wittwer Sampson, LLP – copy of most recent audit will be provided upon request.

Are the treasurer and/or other financial officers bonded? No

If so, for how much? N/A

List any judgments or pending lawsuits against the agency or program:

None

List any outstanding obligations:

None

RESOLUTION/CERTIFICATION:

We, the Board of Directors of the Madera County Workforce Investment Corporation do hereby resolve that on June 14, 2016, the Board reviewed this application and, furthermore, the Board in proper motion and vote approved this application for submission to the City of Madera.

Furthermore, we certify that the agency making this application is (1) non profit, (2) tax exempt, and (3) incorporated in the State of California, and has complied with all applicable laws and regulations. To the best of our knowledge, all information presented herein is correct and complete.

Dated: June 14, 2016

AGENCY NAME: Madera County Workforce Investment Corporation

ADDRESS: 441 E. Yosemite Avenue, Madera, CA 93638

TELEPHONE: 559-662-4589

By: _____
President of the Board of Directors

This application and the information contained herein are true, correct and complete to the best of my knowledge.

By: _____
Executive Director

RETURN AN ORIGINAL AND TWO COPIES TO:

City of Madera
205 West Fourth Street
Madera, CA 93637
Attention: CDBG Administration

DUE DATE: **March 25, 2016, 12:00 p.m.**

CONTACT PERSON:

Jorge Antonio Rojas, Program Manager – Grants
559-661-3693 jrojas@cityofmadera.com

1965–2015
50 Years of Community Action!
community Action
PARTNERSHIP
OF MADERA COUNTY
Addressing the Needs of our Community

February 18, 2016

RE: Letter of Support for Madera County Workforce Investment Corporation
Community Development Block Grant Application

To Whom It May Concern:

The Community Action Partnership of Madera County, Inc. is pleased to provide this letter of support for the Madera County Workforce Investment Corporation's application for Community Development Block Grant (CDBG) funds from the City of Madera.

The Madera County Workforce Investment Corporation (MCWIC) is a 501(c)(3) non-profit corporation which operates the workforce development system in Madera County. The mission of the MCWIC is to empower and develop a highly-skilled workforce by providing specialized support and resources to job seekers and employers to increase the overall economic prosperity of the community.

The CDBG funding will support the efforts of the MCWIC in providing employment and training services to income-eligible adult residents of the City of Madera to increase their ability to obtain and retain employment that leads to family-sustaining wages.

The MCWIC has demonstrated successful outcomes operating workforce development, employment, and training programs for over 20 years and the CDBG funding will assist them in continuing to support the employment goals of income-eligible adult residents of the City of Madera. Our organization is pleased to support their efforts and continue to partner with MCWIC to benefit City residents.

Sincerely,

Mattie Mendez

Mattie Mendez,
Executive Director

1225 Gill Avenue • Madera, CA 93637 • www.maderacap.org
Administration/Community Servies (559) 673-9173 • Fax (559) 673-3223 • Child Care Resource & Referral (559) 675-8469 • Fax (559) 675-1497
Alternative Payment Program (559) 661-0779 • Fax (559) 661-0764 • Child Development Services (559) 673-0012 • Fax (559) 661-8459 • Victim Services (559) 661-1000/ (800) 355-8989 • Fax (559) 661-8389
Fresno Migrant Head Start • 4610 W. Jacquelyn Avenue • Fresno, CA 93722 • (559) 277-8641 • Fax (559) 277-2640

TAB 4

Return to Worksheet

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: ___Pequeños Empresarios, Inc.

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

Program	Program Description	Con Plan Priority Rank	HUD Objective
Public Services: Youth Services	To prepare young children to become entrepreneurs and professional individuals in their adult life. To improve reading, comprehension, verbal and written communication.	3	Suitable Living Environment Expanded Economic Opportunity

2025 Vision Plan Strategies	
No. 321	Accessible, Affordable Education: Develop a focus on accessible and affordable higher education for community members
No. 321.1	Create a coalition with the goal of raising Maderans' access to and use of higher education.

This is a one-year activity. The requested allocation is: $30,000.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

Public Services

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Staff salaries and benefits, office expense, utilities and contracts.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

The application proposes to serve the following number of unduplicated clients:

Age	6 - 12
	52

Some considerations to reflect upon this proposal are as follows:

STEP 2: PROHIBITION

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go not further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.

Public Services
Low/Moderate Income Clientele

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Records to be maintained consists, yet are not limited to, staff time cards, payroll and benefit records, expense receipts, environmental clearance, client household gross income by household size certification and Race/Ethnicity.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Certifications submitted with approved Action Plan.

WORKSHEET COMPLETED BY:

(Name)

Program Manager - Grants

(Title)

June 21, 2016

(Date)

RECEIVED 3-24-16

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PUBLIC SERVICE PROPOSAL APPLICATION
2016/2017

AGENCY/PROGRAM INFORMATION **DATE SUBMITTED:** 03-24-16

Legal Name of Agency: **Pequeños Empresarios, Inc.**

Program Name: **Pequeños Empresarios**

Agency Address: **414 Elm Street**

City/Zip: **Madera, CA 93638** Telephone: **(559) 718-4801**

Program Director: **Leonor Hipolito** FAX:

SUMMARY OF COMMUNITY NEED OR PROBLEM TO BE ADDRESSED: (Describe the community need or problem to be addressed by the proposed program. State how and by whom the need was identified. All research documentation must be acknowledged.)

By the end of 2015, Madera, CA had an unemployment rate of 8.7%, which is 2.9% higher than the state percentage of 5.8% and 3.7% higher than the national average of 5.0% (http://www.homefacts.com/unemployment/California/Madera-County/Madera.html). This is a trend can not continue if Madera plans on growing and taking its place in California among all the other profitable cities and towns. Empresarios proposes to take an aggressive plan that will prepare young children to become entrepenuers and professional individuals in their adult life. This goal will be achieved by mentoring these children to become successful business individuals that will have a positive impact in reducing poverty levels in our community.

EXISTING SERVICES: List other agencies currently addressing the need or problem described above. (Attach sheets if necessary.)

Madera Adult School, State Center Community College District, and Timberline Education Center, LLC. are all educational facilities in Madera, CA that are charged with educating the masses to make Madera profitable.

Explain how your program supplements or complements existing services without duplicating them. (Attach sheets if necessary.)

The above programs are all for adults. Our program starts the education early. Our future entrepreneurs get a positive, unequal start on business unlike any other. Unlike the adult programs, our children do not have a lifetime of bad habits to break. Our program will teach proper habits and skills needed to succeed not only in the business world, but in life as well.

CLIENT POPULATION

Indicate the total number of potential clients in the community who require your services.

There are currently 10,247 children in the Madera education system (public and private) from elementary through high school (www.citydata.com). Currently, we are working with young children through elementary school. Our goal is to reach as many as possible.

State the total number of unduplicated clients you intend to serve during the term of this proposed program/service (12 months)

We are currently teaching 25 students one day a week. Upon receiving the $30,000.00 grant from the CDBG we will be able to increase the number of students to 100 students four days a week.

If this program was funded last year, has there been a change in the composition of the target population to be served and/or shift in the geographic target area?

_____ Yes ___X___ No

If yes, explain:

Provide the following demographic information for the total number of unduplicated clients as indicated above:

AGE	0 - 5	6 - 12	13 - 17	18 - 34	35 - 54	55 - 59	60 - 64	65 +
		52						
GENDER	Female	30						
	Male	22						
FEMALE HEAD								

This information is confidential and is only used for government reporting purposes to monitor compliance with equal opportunity laws. Please note that self-identification of race/ethnicity is voluntary.

RACE	NO.	RACE	NO.
White	20%	American Indian or Alaska native AND White	____

Black/African American	_____	Asian AND White	____
Asian	_____	Black/African American AND White	____
American Indian or Alaska Native	_____	American Indian/Alaska Native AND Black/African American	____
Native Hawaiian or Other Pacific Islander	_____	Other:_____	____
Mexican/Chicano	**80%**	Cuban	____
Puerto Rican	_____	Other Hispanic/Latino:_____	____

EFFECTIVENESS AND EFFICIENCY

Describe the method used to measure the effectiveness (outcomes) of services. Identify measurable goals and objectives. Attach a copy of the program's evaluation documentation.

Children are provided with a questionnaire to analyze their skills. During the course, children receive one-on-one sessions to measure course progress. Through personal testimonials, children are able to validate the impact of the program and describe the impact it has created in their lives. A survey is provided to the children after completing a course to measure its success.
(See Attachment A)

What National Objective does your program meet?

We will be meeting National objective number one.

Describe what measurable objectives your program meets?

Our measurable objectives are met by mentoring these children to become successful entrepenuers and businessmen by the improvement of reading, comprehension, verbal communication as well as written communication.

How will your program meet its goals in one year?

Our goal is to improve their grades and grade point average from the start of the program to the completion of the program. We have many programs in place to meet these objectives including, but not limited to: writing assignments, reports (written and oral), presentations and accountability for ones actions.

SERVICE FUNDING

What financial resources, other than City are available for this program? Have applications for other funds been submitted? Explain. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

We are a non-profit organization and as such ask the community for support in the form of fundraisers, donations and grants. Currently, all staff members are volunteers interested in our community development.

(See Attachment B)

Describe in detail all proposed plans for fund raising for this program. What is the projected net income from fund raising? If net fund raising is not increasing, please explain (be specific).

We have been successful in obtaining a $10,000.00 grant from Wells Fargo. Our goal is to reach out to other financial institutions and successful businesses in our community requesting funding for our program.

What was done to receive public input/participation? Please provide details. What did the public input/participation identify? Include documentation of support for the proposal such as meeting minutes, letters and petitions.

(See Attachment C)

If service is offered outside the Madera city limits, include the list of funding sources and supporting documentation/letters of commitment that support these program services.

Currently, the $10,000.00 grant from Wells Fargo is allocated 50/50 for the cities of Madera, CA and Fresno, CA. Our request for CDBG funds will be dedicated to serve children residing within the city of Madera, CA.

When there is an overflow of clients, how is it determined whom to serve?

Children are selected on a first come first serve basis.

Is income criteria used to establish eligibility for services?

__X__ Yes ____ No

(See Attachment D)

Is a fee schedule used?

_____ Yes __X__ No

INCOME SOURCE	AMOUNT
CITY	30,000.00
UNITED WAY	
STATE (SPECIFY)	
FEDERAL (SPECIFY)	
SERVICE FEES	
FUND RAISING	4,000.00
DONATIONS	
RESERVE/CONTINGENCY	
OTHER INCOME (see Attachment C)	14,550.00
TOTAL INCOME	**48,550.00**

SALARY EXPENSES	ACCOUNT NO.	AMOUNT
SALARIES	0100	6,000.00
BENEFITS	0150	
SERVICES & SUPPLIES		
INSURANCE	0200	
COMMUNICATIONS	0250	840.00
CONSULTANT SERVICES	0300	
OFFICE EXPENSE	0350	10,000.00
OFFICE RENTAL	0400	18,000.00
EQUIPMENT RENTAL	0450	
UTILITIES	0500	7,710
TRAVEL (ADMIN.)	0550	
FOOD SUPPLIES	0600	
CONTRACTS	0650	6,000.00
TRANSPORTATION	0700	
FUND RAISING	0750	
TOTAL		**48,550.00**

SPONSORING AGENCY MANAGEMENT

CORPORATION DIRECTORS:

How often does the Board meet? **Board meetings are held on the last Thursday of every month at 10:30 a.m.**

What was the average number of Board members attending meetings last year? **5**

Based on the bylaws, what is the minimum and maximum number of seats on the Board?

__3__ Minimum __7__ Maximum

Please provide the following information:

Date of Incorporation: **October 28, 2013**

IRS Employer Number: **45-5640209**

Attach current Board of Directors' roster, including the names, addresses, occupations and number of years served on the Board.

(See Attachment E)

How often are financial records audited, and by whom?

Currently there are no audit requirements from Wells Fargo

Are the treasurer and/or other financial officers bonded?

No

If so, for how much? _____

List any judgments or pending lawsuits against the agency or program:

N/A

List any outstanding obligations:

N/A

We, the Board of Directors of **Pequeños Empresarios** do hereby resolve that on 02-16, 2016, the Board reviewed this application and, furthermore, the Board in proper motion and vote approved this application for submission to the City of Madera.

Furthermore, we certify that the agency making this application is (1) non profit, (2) tax exempt, and (3) incorporated in the State of California, and has complied with all applicable laws and regulations. To the best of our knowledge, all information presented herein is correct and complete.

Dated: February 16, 2016

AGENCY NAME: Pequeños Empresarios Inc.
ADDRESS: 414 Elm Street, Madera Ca 93638
TELEPHONE: (559) 718 - 4801

By: Leona Hipolito
President of the Board of Directors

This application and the information contained herein are true, correct and complete to the best of my knowledge.

By: Leona Hipolito
Executive Director

RETURN AN ORIGINAL AND TWO COPIES TO:

City of Madera
205 West Fourth Street
Madera, CA 93637
Attention: CDBG Administration

DUE DATE: **February 19, 2016, 5:00 p.m.**

CONTACT PERSON:

Jorge Antonio Rojas, Program Manager – Grants
559-661-3693
jrojas@cityofmadera.com

Attachment A

How can you make money?

By working in exchange for money, there are many types of jobs depending on the education you have.

What does the department of treasures do?

They create coins and they print the bills we use

Who has more job opportunities?

The higher the education the higher the earning power and the opportunity to have a better job.

Como se gana dinero?

Trabajamos a cambio de dinero hay muchos tipos de trabajos dependiendo de la educacion

---

Qué es el departamento de tesoros?

Crean las monedas se imprimen los billetes que usamos

Quienes tienen más oportunidades de trabajo?

Cuanto mayor sea la educacion mayor será el poder de ganancia y mayor es la oportunidad de mejores de trabajo.

Que es un cheque?

Es un tipo de cuenta bancaria que le permite poner dinero (depósito), o sacar dinero (retiro).

What is a check?

It is a type of bank account that allows you to deposit or withdraw money

---

Que es un banco?

El banco es un lugar que mantiene tu dinero seguro y te ayuda a invertir, a ahorrar tu dinero.

What is a bank ?

A bank is a place that keeps your money safe and helps you invest it and save it

---

Que es un Presupuesto ?

Presupuesto es planificar para conseguir las cosas que queremos y necesitamos y poder controlar donde va nuestro dinero

---

What's a Budget?

A budget is a plan to get the things we want and need and to control where our money goes

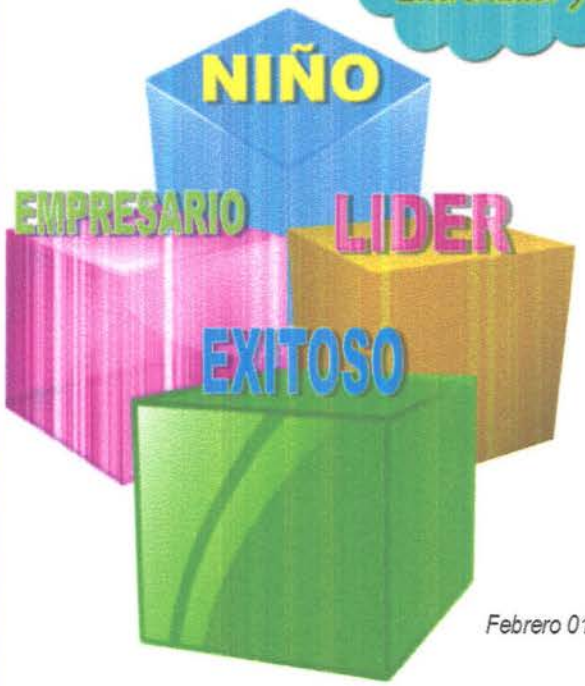
Certificado de Reconocimiento a:

Jimmy Lozano

Por completar el taller

Niño empresario exitoso

Amilcar Villanueva,
Entrenador y Couch







Leonor Hipólito

Presidente

Febrero 01 2015

Niños en acción por un mundo mejor





Pequeños
EMPRESARIOS

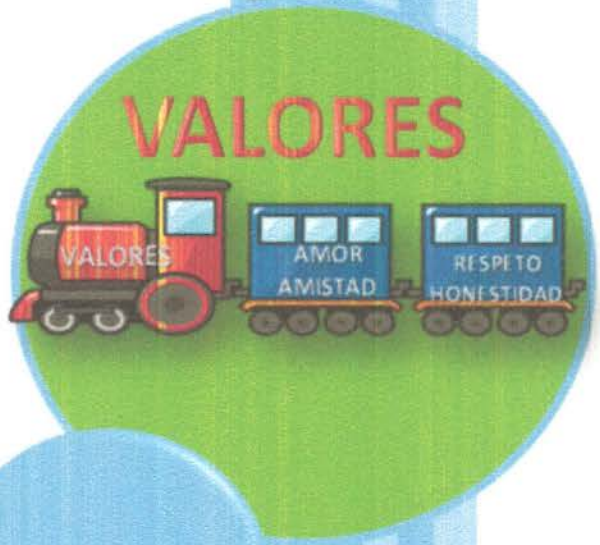


NIÑOS EN ACCION
POR UN MUNDO MEJOR



ENTREGA ESTE CERTIFICADO A

MARTIN BECERRA



POR COMPLETAR SATISFACTORIAMENTE

LAS CLASES DE
CUIDADO DEL PLANETA Y VALORES

Leonor Hipolito
presidente

12 de Junio 2015

Attachment B

OTHER FUNDING SOURCES

Please document the status of other sources of funds being pursued in support of the project/program.

Source Identify the name of the entity and classify as government (G), foundation (F), corporate (C), individual (I), special events (S), or other (O).	**Amount** Please indicate the amount requested or, if approved, the amount to be funded.	**Status** Indicate whether the funding request is pending, declined , or approved.
1) Local Leadership Group (I)	$4,100.00	Approved
2) Kings Canyon Chiropractic (C)	$450.00	Approved
3) Pacific Gas & Electric Company (C)	$5,000	Pending
4) Donaghy Sales (C)	$1,000	Pending
5) Fundraising Event (S)	$3,000	Pending
6) Wells Fargo (C)	$10.000	Approved

Attachment C

Hernandez Consultant Services

Professional Program Management Services

March 23, 2016

RE: Letter of Support for Pequeños Empresarios to apply for funding to support education and training for children age's five to twelve in Madera.

To Whom It May Concern:

I fully support Mrs. Leonor Ipolito, Executive Director for Pequeños Empresarios to seek grant funds available through the City of Madera to financially support a unique and innovative children's program such as Pequeños Empresarios.

Pequeños Empresarios is a non-profit organization developed as a grassroots children's program to serve Madera's children by providing literacy-based tutorial services, Spanish language classes, leadership development skills, and self-esteem for children ages 5 to 12 as an after school program model.

I have personally witnessed the great work that Pequeños Empresarios directors and staff are executing with their respective students. Children are benefiting from the many leadership classes, finance/budget activities, communication skills and basic entrepreneur class. Children are applying their skills and routinely conduct presentations within the community and provide an opportunity to showcase the unique leadership and project-based activities that are part of a 21st century learning model.

I fully support Pequeños Empresarios to work directly with City of Madera staff and make the case for the City of Madera to provide an adequate funding level to further sustain a great best practice program that is making a great investment in the education of Madera's children.

Please contact Mr. David Hernandez at 559-706-7741 if I can provide additional information.

Respectfully Submitted,

David Hernandez

Mr. David Hernandez
Community Liaison/ Program Consultant

DH

03/23/2016

Grants Department
City of Madera
205 W. 4th Street
Madera, CA 93638

To Whom This May Concern:

I write to recommend President Leonor Hipolito and her organization Pequenos Empresarios to receive a financial grant from the city. President Leonor is a community leader, dedicated to the cause of uplifting children academically and personally. I have met with her many times since last year and spoken a few times to her children at their evening classes. The passion, the discipline, and the apparent change in the children nudged me to write this letter. I write to attest to her cause with humility and full confidence. The results the organization has achieved are rewarding and experientially fulfilling.

More importantly, the organization is filling in the gap created by working parents. The children they cater to could be exposed, in their own neighborhoods, to gang affiliation, illicit drug activities, and troubled lifestyle. With the help of the organization, however, there are after-school and evening classes to teach them, particularly children who live in Spanish-speaking households, how to read, write, and speak. They learn to take pride of who they are and what they could do. It teaches them to respect our laws and the proper way to conduct themselves morally right in the public space and in their homes. The group is focused on inculcating in the minds and hearts of children that education is important, school is the best roadway, and college is their uplifting destination.

I am aware that the organization intends to include instructions in English and wants to broaden their services to more children and parents. Their parent workshops, educational classes, children training, and other services will require more funds, and it is with your financial grant that the organization could help more children and parents in our city. They can use the grant to hire part-time teachers and offer more programs. President Leonor, her team, and the organization are turning children from future gang affiliation, drug abuse, and troubled lifestyles to education and future personal and professional development.

I hope you will consider President Hipolito and her organization for your financial grant. Her enviable work is changing lives and turning hearts and minds to the better, and it is worthwhile for you to invest in them and our future residents. Should you have any questions about them or any of the above, please contact me, Sal Alhomedi, at (559) 661-5111.

Respectfully yours,

Community Outreach Coordinator
City of Madera, Neighborhood Revitalization Department

Fresno Area Hispanic Foundation

DOWNTOWN BUSINESS HUB

1444 Fulton Street
Fresno, CA 93721
(559) 222-8705
Tax ID 75-3129705

President/ CEO
Dora C. Westerlund

OFFICERS
Chairman
Fausto Hinojosa
Price, Paige & Company

Treasurer/ Vice-Chair
Rosa Rodriguez
Rabobank, N.A.

Secretary
Porfirio Rios
Intervalley Insurance

BOARD OF DIRECTORS

Ricardo Flores
Los Amigos Mexican Restaurant

Antonio Valtierra
Valtierra Insurance Agency

Enrique Altero
Herndon Auto Service

Patricia Ahlenslager
BBVA Compass

William Eric McComas
Rummonds, Barron, Thornton, LLP

Sandra Vicente
Union Bank

Victor Olivares
CSU Fresno

Frank Villegas
F&E Consulting

Gerardo Hernandez
Raimondo & Associates

EX-OFFICIO

Rudy Medina
U. S. Bank

Al Galvez
Amani-International

Jaime Marquez
Marquez Brothers

March 23, 2016

To Whom It May Concern:

I am pleased to write this letter of recommendation for Pequeños Empresarios. As the Corporate Relations Director of the Fresno Area Hispanic Foundation, I witnessed the inception of this incredible organization. Since its formal establishing in 2013, Pequeños Empresarios has positively impacted the lives of many children and families through its innovative program.

Pequeños Empresarios has taken the initiative to serve children in ways that the education system does not. The organization's founders deliver their teachings with passion and understanding of every child's character and culture. Their work is essential in the growth and development of these children's lives, especially the personal development component, which strengthens their self-esteem and leadership traits.

I believe that Pequeños Empresarios has a great potential for growth and will continue to expand its program throughout our region. The organization's commitment and dedication to the children they serve will help shape the future leaders of our community holding on to ethical and moral values.

Pequeños Empresarios is an outstanding organization that brings life changing opportunities to the children it serves.

If you have any questions or would like further information, please do not hesitate to contact me at 559-222-8705.

Respectfully,

Yery Olivares
Corporate Relations Director



March 22, 2016

Re: Letter of Support

To Whom it May Concern:

It is my hope and sincere desire to fully endorse the outstanding efforts of "Pequeños Empresarios".

The time, sacrifice and passion that the administrators of the program put forth is second to none. The enthusiasm and the cross-sector collaboration that happen on a daily basis is truly empowering the children and the parents.

Over the course of my public sector life (25 years) and 14 years as a City Manager I can attest to the uniqueness and their continuous improvement to truly change lives. I have seen their work, sacrifice and dedication first hand. The life skills, values, social entrepreneurism that the youth exhibit is life changing. Their curriculum covers the full gamut from protecting the environment, financial literacy, good etiquette, to exhibiting proper values.

Again, I would like to underscore how impressed I am by this program and that copiously sanction their effort to get grant funding and/or other support.

Should you have any questions, please feel free to contact me via e-mail president@communitydevelopment-inc.com or cell (559) 970-8896.

Sincerely,

José Antonio Ramírez
President

Atentamente

Aquien corresponda

Esta carta es para expresarme
de la organización de pequeños empresarios
De los beneficios que hemos obtenido.
Mi niña Luna Montero a Pesar de sus
8años de edad ya tiene una mente
De empresaria Ya está Pensando de como
generar Para tener un ahorro en el banco
Para sus estudios

Y es gracias a Pequeños empresarios
Y La Sra Leonor hipólito
La Sra María Vargas
La Sra Jacinta Berrocal
Y todos los Patrocinadores que han puesto
su granito de arena
Que están sembrando para un mundo mejor
Gracias atodos y les deseo
Muchas bendiciones

Delfina Arenas

Translation

To whom it may concern:

The purpose of this letter is to express my support for Pequeños Empresarios and to verify this organizations impact on my daughter Luna Montero's positive way of thinking. I spite of her young age (8 years old) my daughter is already thinking to become an entrepeneur. She is planning on opening a bank account so that when she becomes of age she can start her own business.

I sincerely thank the Directors of Pequeños Empresarios:

Mrs. Leonor Hipolito
Mrs. Maria Vargas
Mrs. Jacinta Berrecel

And all the other sponsor who were invested in this organization for a better way of life.

Thank you and Blessing

/signed/
Delfina Arenas

Attachment D

Pequeños

EMPRESARIOS Aplicación de ingreso

Nombre Del Padre
Correo Electrónico:
Teléfono Celular:
Prefiere La Información Por Mensaje De Texto ☐ **O Correo Electrónico** ☐ **Marque Su Preferencia**

Nombre De la Madre:
Correo Electrónico:
Teléfono Celular:
Prefiere La Información Por Mensaje De Texto ☐ **O Correo Electrónico** ☐ **Marque Su Preferencia**

Teléfono de la casa:
Dirección:
2 Nombres a quien contactar en caso emergencia:
2 Teléfono de emergencia:

En caso de emergencia autorizo llevar a mi hijo al hospital más cercano Firma:

Nombre del niño/a:
Fecha de nacimiento:
Grado que cursa:

Indicación especial?: _____

_____

_____

_____

_____

_____

TRABAJAR CON SUS HIJOS ES MARAVILLOSO POR ESO LES PEDIMOS PREGÚNTENLE A SUS NIÑOS COMO SE SIENTEN APÓYENLOS NO SOLO HAY QUE AMARLOS DEBEMOS DEJARLES SABER LO QUE SENTIMOS POR ELLOS.

Comentario:	
Firma Del Padre o tutor:	**Firma De La Madre o tutora:**
Fecha:	Fecha:

Attachment E

BOARD OF DIRECTORS

Leonor Hipolito, Presdent & CEO
Volunteer for Empresarios
414 Elm Street
Madera, CA 93638
3 years

Jaime Olivace, Vice President
Owner- May Money
9903 Paramount Blvd # 242
Downey CA 90240
2 years

J. Beatriz Gonzalez de Berrocal, Secretary
Volunteer for Empresarios
408 S, I Street
Madera, CA 93637
3 years

Maria S. Vargas, Treasurer
Volunteer for Empresarios
17027 Melba Drive
Madera, CA 93638
3 years

Michael Rodriguez,
Barber
2404 Bay View Dr.
Madera, CA 93637
2years

Karla Hurted, Board Member
Restaurant Manager
5133 E Drummond Ave
Fresno CA 93725
2 years

Beatriz Zepeda, Board Member
Dental Assistant
1832 Merced St
Madera, Ca 93638
2 years

TAB 5

Return to Worksheet

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: ___Madera Coalition for Community Justice Resilient Madera Program

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

Program	Program Description	Con Plan Priority Rank	HUD Objective
Public Services: Youth Services	To facilitate leadership training to youth and parents and for youth to excel academically and to provide a support system to address unique challenges and instill coping skills, reduce stress and develop resilient leaders.	3	Suitable Living Environment Expanded Economic Opportunity

2025 Vision Plan Strategies	
No. 321	Accessible, Affordable Education: Develop a focus on accessible and affordable higher education for community members
No. 321.1	Create a coalition with the goal of raising Maderans' access to and use of higher education.

This is a one-year activity. The requested allocation is: $18,500.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

Public Services

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Staff salaries and benefits, office expense, travel, transportation. (While food is included in their budget, it is not allowable.)

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

The application proposes to serve the following number of unduplicated clients:

Age	13 -17	18 – 34	35 – 54
	15	10	5

Some considerations to reflect upon this proposal are as follows:

▪How realistic are the number of unduplicated clients? It's likely that a portion of the 13 – 17 age group will consists of middle school age students, and a portion of the 18 – 34 and the 35 -54 age group are more than likely to be older than high school age. (See page 2 of the application.)

▪How likely do the proposed budget line items for Travel, $150.00 and Transportation, $800.00, ensure a student's ability to continue their education beyond high school? Also, are these line items sufficient for travel to UC Merced, CSU Fresno, a private university and UC Berkeley or Stanford as proposed in the application? (See page 5 of the application.)

▪Why are visit to Madera Community College, Fresno City College or vocational training colleges not proposed? (See proposed Project Outcomes, paragraph 2.)

▪How realistic is it for students to balance their time between school and the proposal's stated activities?

▪How adequately will MCCJ tract and report the number of students continuing their education beyond high school?

▪What additional methods are available for parents to work with Madera Unified School District (MUSD) or Madera County Office of Education (MCOE) to obtain assistance or guidance to further their children's education beyond high school?

▪How does the proposal merge with MUSD's or MCOE's efforts to allow parents to access their children's guidance counselor?

▪How does the proposal align with MUSD's or MCOE's provisions to conduct parent/teacher meetings?

▪How does the proposal align with MUSD's or MCOE's practice for parents to attend board meetings or to initiate contact through MUSD's or MCOE's website.

▪How does this application align with the 2025 Vision Plan goal of raising Maderans' access to and use of higher education that specifies MUSD is in the Lead Role and Madera Coalition for Community Justice is in a Supporting Role?

•How is the program marketed to solicit youth from other demographic backgrounds?

•The proposal identifies a Youth Coordinator and a Part-Time Assistant. Are these the same persons? (See Budget Justification.)

STEP 2: PROHIBITION

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go not further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.

Public Services
Low/Moderate Income Clientele

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Records to be maintained consists, yet are not limited to, staff time cards, payroll and benefit records, expense receipts, environmental clearance, client household gross income by household size certification and Race/Ethnicity.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Certifications submitted with approved Action Plan.

WORKSHEET COMPLETED BY:

Jorge Rojas

(Name)

Program Manager - Grants

(Title)

June 9, 2016

(Date)

RECEIVED 3-22-16 J.Rojas

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PUBLIC SERVICE PROPOSAL APPLICATION
2016/2017

AGENCY/PROGRAM INFORMATION **DATE SUBMITTED:** 3/22/2016

Legal Name of Agency: Madera Coalition for Community Justice

Program Name: Resilient Madera I and II

Agency Address: 126 N. B St. Madera, California

City/Zip: 93638 Telephone: (559) 661-1879

Program Director: Lourdes Herrera FAX: (559) 674-5674

SUMMARY OF COMMUNITY NEED OR PROBLEM TO BE ADDRESSED: (Describe the community need or problem to be addressed by the proposed program. State how and by whom the need was identified. All research documentation must be acknowledged.)

See attached.

EXISTING SERVICES: List other agencies currently addressing the need or problem described above. (Attach sheets if necessary.)
There are some programs offering supportive educational activities at local schools but there are none that focuses on character-building and none that includes a parent track. There are very little ongoing supportive services at the local schools due to budget cuts but none similar to the CDBG application.

Explain how your program supplements or complements existing services without duplicating them. (Attach sheets if necessary.)
There are supportive activities ongoing education activities of local schools.

CLIENT POPULATION

Indicate the total number of potential clients in the community who require your services.

30

State the total number of <u>unduplicated</u> clients you intend to serve during the term of this proposed program/service (12 months)

30

If this program was funded last year, has there been a change in the composition of the target population to be served and/or shift in the geographic target area?

_____ Yes __X__ No

If yes, <u>explain</u>:

Provide the following demographic information for the total number of unduplicated clients as indicated above:

AGE	0 - 5	6 - 12	13 - 17	18 - 34	35 - 54	55 - 59	60 - 64	65 +
			15	10	5			
GENDER	Female	25						
	Male	5						
FEMALE HEAD								

This information is confidential and is only used for government reporting purposes to monitor compliance with equal opportunity laws. Please note that self-identification of race/ethnicity is voluntary.

RACE	NO.	RACE	NO.
White	1	American Indian or Alaska native AND White	
Black/African American	1	Asian AND White	
Asian		Black/African American AND White	
American Indian or Alaska Native		American Indian/Alaska Native AND	

		Black/African American	____
Native Hawaiian or Other Pacific Islander	_____	Other:_____	____
Mexican/Chicano	28	Cuban	____
Puerto Rican	_____	Other Hispanic/Latino:_____	____

EFFECTIVENESS AND EFFICIENCY

Describe the method used to measure the effectiveness (outcomes) of services. Identify measurable goals and objectives. Attach a copy of the program's evaluation documentation.

See attached

What National Objective does your program meet?
The project addresses National Objectives # 1 by providing a public service to low-income families through leadership development and involvement of presents in the schooling of their children and student involvement in community service.

Describe what measureable objectives your program meets?
Students will be trained in strategies to cope with trauma and reduce stress as a way to help strengthen their academic achievement. MCCJ will continue to provide college-readiness/preparatory assistance as well as develop Individual Empowerment Plans to ensure each participant is thoroughly prepared to reach their college and career goals. Students will also be involved in community service once trained in leadership development. Similarly, parents will acquire skill to help them better engage their children and become an integral part of their lives.

The program will be evaluated based on comparing accomplishments to the stated objectives and activities that will be set forth in a work plan. Important criteria include completion of tasks, achieving recruitment goals and compliance with budget outlay.

How will your program meet its goals in one year?
These goals coincide with the mission and goals of our ongoing Madera Youth Leaders program. All of the youth already participating in MYL receive some of these services and we are hoping to expand to include new curriculum and activities, as well as, offer this program to even more students.

SERVICE FUNDING

What financial resources, other than City are available for this program? Have applications for other funds been submitted? Explain. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

No other funding is available at this time.

Describe in detail all proposed plans for fund raising for this program. What is the projected net income from fund raising? If net fund raising is not increasing, please explain (be specific).

None

What was done to receive public input/participation? Please provide details. What did the public input/participation identify? Include documentation of support for the proposal such as meeting minutes, letters and petitions.
At the annual strategic planning meeting, both board members and community attendees discuss the application and the former subsequently approved its submission.

If service is offered outside the Madera city limits, include the list of funding sources and supporting documentation/letters of commitment that support these program services.

None

When there is an overflow of clients, how is it determined whom to serve?

First come, first served.

Is income criteria used to establish eligibility for services?

_X_ Yes _____ No (If yes, attach a copy of the criteria.)

Is a fee schedule used?

____ Yes _X_ No (If yes, attach a copy of fee schedule.)

PROJECT BUDGET

INCOME SOURCE	AMOUNT
CITY	
UNITED WAY	
STATE (SPECIFY)	
FEDERAL (SPECIFY)	
SERVICE FEES	
FUND RAISING	
DONATIONS	
RESERVE/CONTINGENCY	
OTHER (LIST)	
TOTAL INCOME	

SALARY EXPENSES	ACCOUNT NO.	AMOUNT
SALARIES	0100	14,000
BENEFITS	0150	1,300
SERVICES & SUPPLIES		
INSURANCE	0200	
COMMUNICATIONS	0250	
CONSULTANT SERVICES	0300	
OFFICE EXPENSE	0350	500
OFFICE RENTAL	0400	
EQUIPMENT RENTAL	0450	
UTILITIES	0500	
TRAVEL (ADMIN.)	0550	150
FOOD SUPPLIES	0600	1750
CONTRACTS	0650	
TRANSPORTATION	0700	800
FUND RAISING	0750	
TOTAL		18,500

SPONSORING AGENCY MANAGEMENT

CORPORATION DIRECTORS:

How often does the Board meet? Monthly

What was the average number of Board members attending meetings last year? 10

Based on the bylaws, what is the minimum and maximum number of seats on the Board?

8 Minimum 20 Maximum

Please provide the following information:

Date of Incorporation: September 7, 1994

IRS Employer Number: 77-0391942

Attach current Board of Directors' roster, including the names, addresses, occupations and number of years served on the Board.

FINANCIAL:

How often are financial records audited, and by whom? 12 months;
by Craig Accountancy 1835 W. Orangewood Ave., Suite 260 Orange, CA 92868

Are the treasurer and/or other financial officers bonded? No

If so, for how much? N/A
List any judgments or pending lawsuits against the agency or program:
N/A

List any outstanding obligations: _

RESOLUTION/CERTIFICATION:

We, the Board of Directors of MCCJ do hereby resolve that on February 18, 2016, the Board reviewed this application and, furthermore, the Board in proper motion and vote approved this application for submission to the City of Madera.

Furthermore, we certify that the agency making this application is (1) non profit, (2) tax exempt, and (3) incorporated in the State of California, and has complied with all applicable laws and regulations. To the best of our knowledge, all information presented herein is correct and complete.

Dated: March 22, 2016

AGENCY NAME: Madera Coalition for Community Justice
ADDRESS: 126 North S Street Madera, CA 93638

TELEPHONE: (559) 661-1879

By: _____
President of the Board of Directors

This application and the information contained herein are true, correct and complete to the best of my knowledge.

By: Lourdes Herrera
Executive Director

RETURN AN ORIGINAL AND TWO COPIES TO:

City of Madera
205 West Fourth Street
Madera, CA 93637
Attention: CDBG Administration

DUE DATE:

March 25, 2016 12:00pm

CONTACT PERSON:

Jorge Antonio Rojas, Program Manager – Grants
559-661-3693
jrojas@cityofmadera.com

Madera Coalition For Community Justice

Madera, CA 93638
*PH: (559) 661-1879
maderaccj@yahoo.com

P.O. Box 817

126 N. B Street

*FAX (559) 674-5674
maderacoalition.org

Board of Directors
2016

President-Raquel Rodarte **Vice President-Laura Hadjis**
Treasurer- Oyuki Rubi **Secretary- Sue Kern**

NAME	ADDRESS	PHONE	YEAR ON BOARD /SINCE	OCCUPATION
Mc Allister, Regina	1408 Wren wood Way Madera, CA 93638	(559) 675-3478 H (209) 617-0716 C	9 Year Has served since 2007	**Nurse**
Becerra, Jose [Application]	712 Green Way Madera, CA 93638	(559) 871-8250 C	2 year Has served since 2014	**Student**
Rubi, Oyuki	1725 E Cleveland Ave. # 217 Madera, CA 93638	(559) 488-1380W ext. 1392 (559) 706-3596 C	7 Years Has served since 2009	**Homemaker**
Kern, Sue	P.O. Box 580 North Fork, CA 93643	(559) 877-5800 H (559) 457-2132 W (559) 349-3777 C	24 Years Has served since 1992	**Lawyer**
Fernandez, Pablo	775 Saint Mary Ave Madera, CA 93637	(323) 715-0945	2 Years Has served since 2014	**City of Madera, Parks & Rec**
Nickell, Franklin [Application]		(559) 416-0964	2 Years Has served since 2014	
Alaniz, Lilia	27137 Parkwood Ave Madera, CA 93637	(559) 363-3730	3 Years Has served since2013	**Instructional Assistant**
Rodarte, Raquel	10784 Juanita Dr. Madera, CA 93636	(559) 674-4631W (559) 673-2661H (559) 908-8447 C	19 Years Has served since 1997	**Elementary School Teacher**
Hadjis, Laura	P.O. Box 1283 Madera, Ca. 93639	(559) 673-2037 H	10 Years Has served since 2006	**Retired Migrant Counselor**
Ames, Netty [Application]		(559) 673-7909	1 Year Has served since 2015	
Madrigal, Aurelia	1051 Navel Ave Madera, CA 93637	(559) 395-2712	0	
Lopez, Guillermo	2169 W. Kennedy st. #14 Madera, CA 93637	(559) 514-3493	0	**Student, Desmond Middle School**

Honorary-*Gloria Medina* P.O. Box 1115, Madera, CA 93638 (559) 871-5355
Legal Counsel-*Baldwin Moy* Calif. Rural Legal Assistance 126 N. B St., Madera, CA 93638 (559) 674-5670
Special Guest- Ramiro & Liz Gutierrez (559) 661-0190

INTERNAL REVENUE SERVICE
DISTRICT DIRECTOR
2 CUPANIA CIRCLE
MONTEREY PARK, CA 91755-7406

DEPARTMENT OF THE TREASURY

Date: MAY 30 1995

MADERA COALITION FOR COMMUNITY
JUSTICE
P.O. BOX 817
MADERA, CA 93639

Employer Identification Number:
77-0391942
Case Number:
955065145
Contact Person:
JOSEPH FAN
Contact Telephone Number:
(818) 441-6841
Accounting Period Ending:
June 30
Foundation Status Classification:
170(b)(1)(A)(vi)
Advance Ruling Period Begins:
August 31, 1994
Advance Ruling Period Ends:
June 30, 1999
Addendum Applies:
No

Dear Applicant:

Based on information you supplied, and assuming your operations will be as stated in your application for recognition of exemption, we have determined you are exempt from federal income tax under section 501(a) of the Internal Revenue Code as an organization described in section 501(c)(3).

Because you are a newly created organization, we are not now making a final determination of your foundation status under section 509(a) of the Code. However, we have determined that you can reasonably expect to be a publicly supported organization described in sections 509(a)(1) and 170(b)(1)(A)(vi).

Accordingly, during an advance ruling period you will be treated as a publicly supported organization, and not as a private foundation. This advance ruling period begins and ends on the dates shown above.

Within 90 days after the end of your advance ruling period, you must send us the information needed to determine whether you have met the requirements of the applicable support test during the advance ruling period. If you establish that you have been a publicly supported organization, we will classify you as a section 509(a)(1) or 509(a)(2) organization as long as you continue to meet the requirements of the applicable support test. If you do not meet the public support requirements during the advance ruling period, we will classify you as a private foundation for future periods. Also, if we classify you as a private foundation, we will treat you as a private foundation from your beginning date for purposes of section 507(d) and 4940.

Grantors and contributors may rely on our determination that you are not a private foundation until 90 days after the end of your advance ruling period. If you send us the required information within the 90 days, grantors and contributors may continue to rely on the advance determination until we make a final determination of your foundation status.

If we publish a notice in the Internal Revenue Bulletin stating that we

Att. 2

will no longer treat you as a publicly supported organization, grantors and contributors may not rely on this determination after the date we publish the notice. In addition, if you lose your status as a publicly supported organization, and a grantor or contributor was responsible for, or was aware of, the act or failure to act, that resulted in your loss of such status, that person may not rely on this determination from the date of the act or failure to act. Also, if a grantor or contributor learned that we had given notice that you would be removed from classification as a publicly supported organization, then that person may not rely on this determination as of the date he or she acquired such knowledge.

If you change your sources of support, your purposes, character, or method of operation, please let us know so we can consider the effect of the change on your exempt status and foundation status. If you amend your organizational document or bylaws, please send us a copy of the amended document or bylaws. Also, let us know all changes in your name or address.

As of January 1, 1984, you are liable for social security taxes under the Federal Insurance Contributions Act on amounts of $100 or more you pay to each of your employees during a calendar year. You are not liable for the tax imposed under the Federal Unemployment Tax Act (FUTA).

Organizations that are not private foundations are not subject to the private foundation excise taxes under Chapter 42 of the Internal Revenue Code. However, you are not automatically exempt from other federal excise taxes. If you have any questions about excise, employment, or other federal taxes, please let us know.

Donors may deduct contributions to you as provided in section 170 of the Internal Revenue Code. Bequests, legacies, devises, transfers, or gifts to you or for your use are deductible for Federal estate and gift tax purposes if they meet the applicable provisions of sections 2055, 2106, and 2522 of the Code.

Donors may deduct contributions to you only to the extent that their contributions are gifts, with no consideration received. Ticket purchases and similar payments in conjunction with fundraising events may not necessarily qualify as deductible contributions, depending on the circumstances. Revenue Ruling 67-246, published in Cumulative Bulletin 1967-2, on page 104, gives guidelines regarding when taxpayers may deduct payments for admission to, or other participation in, fundraising activities for charity.

You are not required to file Form 990, Return of Organization Exempt From Income Tax, if your gross receipts each year are normally $25,000 or less. If you receive a Form 990 package in the mail, simply attach the label provided, check the box in the heading to indicate that your annual gross receipts are normally $25,000 or less, and sign the return.

If you are required to file a return you must file it by the 15th day of the fifth month after the end of your annual accounting period. We charge a penalty of $10 a day when a return is filed late, unless there is reasonable

cause for the delay. However, the maximum penalty we charge cannot exceed $5,000 or 5 percent of your gross receipts for the year, whichever is less. We may also charge this penalty if a return is not complete. So, please be sure your return is complete before you file it.

You are not required to file federal income tax returns unless you are subject to the tax on unrelated business income under section 511 of the Code. If you are subject to this tax, you must file an income tax return on Form 990-T, Exempt Organization Business Income Tax Return. In this letter we are not determining whether any of your present or proposed activities are unrelated trade or business as defined in section 513 of the Code.

You need an employer identification number even if you have no employees. If an employer identification number was not entered on your application, we will assign a number to you and advise you of it. Please use that number on all returns you file and in all correspondence with the Internal Revenue Service.

This determination is based on evidence that your funds are dedicated to the purposes listed in section 501(c)(3) of the Code. To assure your continued exemption, you should keep records to show that funds are spent only for those purposes. If you distribute funds to other organizations, your records should show whether they are exempt under section 501(c)(3). In cases where the recipient organization is not exempt under section 501(c)(3), you must have evidence that the funds will remain dedicated to the required purposes and that the recipient will use the funds for those purposes.

If you distribute funds to individuals, you should keep case histories showing the recipients' names, addresses, purposes of awards, manner of selection, and relationship (if any) to members, officers, trustees or donors of funds to you, so that you can substantiate upon request by the Internal Revenue Service any and all distributions you made to individuals. (Revenue Ruling 56-304, C.B. 1956-2, page 306.)

If we said in the heading of this letter that an addendum applies, the addendum enclosed is an integral part of this letter.

Because this letter could help us resolve any questions about your exempt status and foundation status, you should keep it in your permanent records.

MADERA COALITION FOR COMMUNITY

If you have any questions, please contact the person whose name and telephone number are shown in the heading of this letter.

Sincerely yours,

Richard R. Orosco
District Director

Enclosure(s):
Form 872-C

The Madera Coalition for Community Justice prohibits discrimination against and harassment of any employee or any applicant for employment because of race, color, national or ethnic origin, age, religion, disability, sex, sexual orientation, gender identity and expression, veteran status or any other characteristic protected under applicable federal or state law. All personnel who are responsible for hiring and promoting employees and for the development and implementation of university programs or activities are charged to support this effort and to respond promptly and appropriately to any concerns that are brought to their attention.

MADERA COALITION *for* COMMUNITY JUSTICE

"If you want peace, work for justice"

Madera Coalition for Community Justice
126 N. B St.
Madera, CA 93638
(559) 661-1879
maderaccj@yahoo.com

2/17/2016

To whom it may concern:

The Board of Directors of the Madera Coalition for Community Justice had a strategic planning retreat, November 11, 2015 where the board approved the submission of a CDBG application to continue and expand the current program. Thank you.

Very truly yours,

Raquel Rodarte, Board President

Raquel Rodarte

Attachment Resilient Madera I and II

Abstract:

This application seeks to continue the very successful program (Resilient Madera) working with youth by integrating the dynamic interaction of community service with academic learning and leadership development. The new proposal will expand it to include a parent component. The two-tier program will strengthen relationships between students, parents and community to support and complement school learning and community engagement.

This project is to establish a program that is specifically designed to help the low-income and young people of color in Madera to succeed. With almost 80% of Madera County students being youth of color, close to 40% of students living in poverty, and a county with some of the highest rates of suspensions and expulsions, student dropouts, teen pregnancy and juvenile arrests in the state, it is clear that our students have many obstacles on their way to college and career paths.

(Summary of Community Need or Problem to be Addressed)

Introduction

Background

The Madera Coalition has a long history of working with the eastside Madera community and will continue to serve these young people and their families. The target participants to build capacity of this program are 90% Latino and 100% low-income, within this population will continue to focus on English Language Learners and at-risk students in Madera.

Presenting Problem

The eastside of Madera is the home of many low-income, Latino and farmworker families. Most exist on the economic and social margins of the community. Parents of these families lose control of their children when they enter middle school. The latter are offspring of recent immigrants. Many of these youth struggle to adapt to the American culture while retaining some of their rural Mexican identity. The confluence of these forces has wide-ranging consequences on the social life of these youth. Youth hanging out with nothing to do, detached from family influence, unfamiliar with and uncommitted to school, and in fear of the law, gradually become rooted in this negative subculture. It's no surprise that Madera has one of the highest gang affiliation rate per capita in California. It also suffers from the 2nd highest teenage pregnancy rate in the Central Valley trend, juvenile arrests, felony convictions and incarceration are much higher than the rest of the state.

Madera County- Stats.	Year	County	Rank in State
Teen Pregnancy	2012	44.6 per 1000 of youth gives birth	3rd highest county
High School Dropouts:	2013	14.7% of youth dropout of high school	10th highest county
Children Living in Areas of Concentrated Poverty	2008-2012	27.6% of youth live in concentrated poverty	5th highest county
Food Insecurity	2013	30.6% of youth live in food insecure households	10th highest county
Youth Incarceration	2013	9.5 per 1000 youth has a felony arrest	11th highest county

** All data sourced from kidsdata.org*

Research continues to show a direct link between childhood trauma (Adverse Childhood Experiences) and student's academic success, mental, emotional and physical health. We know that our students cannot perform well in school while they are sick, and we must be innovative in our strategies of intervention.

For youth without a lot of support at home, due to neglect or because their parents have to work multiple jobs to make ends meet, they can feel desperate in their need for acceptance, support and stability. This is heightened in neighborhoods that suffer from high unemployment and no social support system. Growing up in this environment often pulls youth toward an unhealthy life path including gang membership and risky sexual behavior.

The Resilient Madera project target students are significantly more likely to experience childhood trauma and have compounded obstacles to overcome before reaching their educational and career goals.

Proposal Narrative

Rationale (What do students need to succeed?)

Like other innovative youth development programs in the state, we believe the young people of Madera need more systems of social/emotional support alongside educational development in order to meet their day to day needs, reach their career and college potential success, become leaders in their communities and live long and healthy lives.

"The Search Institute" identifies 40 measurable assets of young people, including support by parents or other adults, community service, involvement in extracurricular activity, academic goals, skill in making decisions, positive values, a positive view of one's own future, and social skills.4 In working to encourage young people to develop and rely on their own assets, the most promising programs focus on each young person's abilities while taking into consideration his/her individual family, social, cultural, and school environment. Such programs focus on developing young people's self-esteem, self-efficacy, and self-worth.

Youth development—also known as life options—programs must be flexible to be able to meet the individual needs and build on the individual assets and strengths of each young participant. Programs may provide such services as tutoring, mentoring, recreational opportunities, job training, social skills, and community service. By tailoring services to meet the needs and build on the assets of the individual, these programs motivate young people to work toward achieving successful futures." -Advocates for youth.

Project description

The Resilient Madera project will support youth through a holistic approach to student's health and academic success, while training in leadership and community engagement. During the course of the program, youth will strengthen their self-esteem and develop academically in order to increase their likelihood of reaching their college and career goals. In concluding the program, youth within the cohort will be applying their newly developed leadership skills to develop community-driven campaigns to benefit their families, schools and neighborhoods.

Tier I

Resilient Madera will be modeled on the successful leadership training initiative championed by President Obama, "My Brother's Keeper". This initiative has since been adopted by communities and organizations to create successful programs such as: Alliance for Boys and Men of Color- supported by The California Endowment, La Cultura Cura- supporting young men and women to become leaders through culturally based practices, United Students- a project of East LA's InnerCity Struggle and Fresno Unified's Men's and Women's Alliance programs. All of these programs aim to help young people who traditionally struggle to graduate high school and go on to college.

To empower the struggling students, Madera Coalition for Community Justice will facilitate leadership training that provides them all the tools to excel academically, while acknowledging that they are in need of a support system that addresses their unique challenges and gives them skills to cope, reduce stress and become resilient leaders. In that connection, MCCJ will also initiate a program to train parents to better interact with their children.

The first component of this program seeks to provide a safe and welcoming place to connect, share coping and stress reduction techniques on how to manage school while facing severe instability at home and pressure to engage in gangs or other risky behaviors.

The second goal of this program is to provide students who are less likely to graduate and go on to college, the information and support to be successful in a college or career path and to encourage growth in their self-esteem and facilitation skills, in order to make broad change in Madera. Whether they are focused on bullying on their school campus or advocating for better bus access in their area of town, they are experts in creating solutions to their communities' struggles and are capable of leading holistically supportive and genuine community engagement through circles and forums.

Tier II

Under tier II parents will participate in a 12-week leadership workshop. The intended audience are low-income and minority parents with school-age children. Group size will be from 15-25 each semester. The teaching philosophy will be popular education and the methodology used will be small group activities, guest presentations, hands-on learning, role play and reflection.

Under tier II parents will be trained using the Cara Y Corazon (Face and Heart) curriculum developed by one Jerry Tello, co-founder of the National Compadres Network and internationally recognized authority in Latino family strengthening, and healing. The concepts of Face and Heart are directly related to the Mexican traditional concepts of character development, which is viewed as a fundamental principle for appropriate family living. This principle is grounded in the values- dignity, respect, trust, and love/acceptance. These classes allow parents to learn parenting skills built on inner strength, and gain hope, inspiration and support.

The class will be a mix of didactic activities, basic information, stories, personal examples, jokes and specific task oriented elements. The class set-up and facilitation is intended to culturally appropriate for traditional Mexican culture.

Project Outcomes:

There are three primary outcomes for the project:

(1) Each session will be made up of 20-25 youth participants, with sessions held weekly. The program will run on a year round basis, with curriculum cycles coinciding with the spring, summer and fall school schedule. Each curriculum cycle we will be accepting new students but youth are encouraged to stay with our program throughout their high school career.

Each youth session will allow the participants to create a safe and connected circle of support with other young people and their adult allies. Throughout the sessions, youth will learn about mindfulness and other techniques to help counteract the effects of Adverse Childhood Experiences, to seek the help they need to succeed, to build self-esteem, efficacy and self-worth, to know what it feels like to be valued, engage in positive decision-making and to be a leader.

(2) MCCJ will build upon previous success and ongoing college-readiness/preparatory assistance. Students will learn about A-G coursework requirements. Seniors will be given a checklist of required filings and deadlines. All youth participants will create a personalized "Individual Empowerment Plan" to help them track progress and reach their goals. Students can participate at any point in the educational path. Whether they are just starting high school or graduating this year, we will work together to map out their path to college and career. Students will meet with counselors, college representatives and campus students while attending college campus tours (UC Merced, CSU Fresno, a private university and UC Berkeley or Stanford). Parents will also be offered opportunities to engage as active participants in fulfilling their student's Individual Empowerment Plan.

(3) Youth from this program will be developing two service learning projects. The first will be a cross-campus awareness project, focused on improving the climate of their schools. The exact topic could range from bullying to school discipline but will involve social media and educational session components to reach other students on their campus. This will highlight the way students are treated at school, affects the rest of the community. When school is not seen as a safe place, youth are drawn to find other places of acceptance like gangs, tagging, substance abuse and other risky behavior.

For the second project, youth will take the support circles they are participating in and replicate them within their community. These circles will include youth, parents and other community members. The task for the youth-lead support circles will be to develop a community-driven campaign to address a local issue by conducting research, focusing media attention, and advocating before a government entity.

The result is a core group of Madera youth leaders on an individualized path to success prepared with the tools to lead their community.

(4) In part II, each class will take participants in a four phase process that includes acknowledgement, understanding, integration and action. All activities incorporate the four phase process which helps participants to grow through four stages of learning (initial idea, understanding, implementation and assimilation) into their daily lives. The participating parents will engage in interactive and experiential activities that leads to their exploring significance of the issues taught. There will also be discussions as to how the lesson pertains to and can be integrated in their lives. It is during this phase that stories are shared among them. Participating parents will also receive homework assignments.

(Effectiveness and Efficiency)

Assessment

Evaluation will measure program outcomes and process. Program effectiveness will be determined by comparing accomplishments to the stated objectives and activities that will be set forth in a work plan. Important criteria include completion of tasks, attaining recruitment goals and compliance with budget outlay. There are important indicators that will measure successes or failures. In terms of the youth: retention rate of over 60% of participants; increase knowledge confidence and skill in conducting research, planning, advocacy and evaluation; clear understanding and commitment to project mission; 75% of members participate in project activities, events and training; 60% of members participate in college outreach and preparation; establish stronger relationship with each other and with adult mentors; development of a core group of members who assume roles as mentors and trainers of fellow peers; and, increased knowledge of current events and local issues.

Separately, there will be periodic evaluations by participants and partners on the program and/or activities. These important "lessons learned" will be shared with participants, community

partners, the organization and board. Process will be evaluated through quarterly activity and budget reports. Review and updates will be provided by the director to the board monthly.

Budget Justification

Funds requested are to contribute to the Youth Coordinator's time contributed to the program, who will have sole responsibility for implementing all programmatic functions of the project and the part-time assistant. Additional funds are included to allow the Youth Coordinator, program assistant and other youth on this project, the ability to attend a training and/or conference.

TAB 6

Return to Worksheet

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: __City of Madera Parks & Community Services Department Senior Services

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

Program	Program Description	Con Plan Priority	HUD Objective
Public Services: Senior Services	To provide senior services and programs at three congregate sites in addition to providing home-bound meal deliveries (Meals on Wheels) throughout the City.	13	Suitable Living Environment

2025 Vision Plan Strategies	
No. 337	Develop programs for Maderans of all ages with an emphasis on youth and senior activities.
No. 342	Ensure there are paid and volunteer opportunities for Madera's seniors

This application's activity will be accomplished during our 2016/2017 program year. The requested allocation is $135,157. In addition to CDBG funds, the program's budget is leveraged with funds from sources such as the City's General Fund, the Fresno/Madera Area Agency on Aging, fund raising, donations and Madera County. The total proposed budget is $380,565.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

Public Services

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Staff salaries and benefits, services and supplies, insurance, communications, office expense, utilities, food supplies, contracts and transportation.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

Presumed benefit limited clientele (i.e., senior citizens). This activity provides recreational and nutritional services to seniors at three city-owned sites. It also provides nutritional services to home-bound seniors. The on-site meals served to seniors are prepared in advance and served cafeteria-style, and home-delivered meals are packaged for refrigeration and for reheating at the senior's convenience.

STEP 2: PROHIBITION

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go no further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. **Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.**

National Objective: Low/Moderate Income Persons or Households
Category: Limited Clientele

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Documentation showing that the activity is designed to be used exclusively by a segment of the population presumed by HUD to be L/M income persons (e.g. elderly persons) and Race/Ethnicity reporting.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Submit certifications with Action Plan.

WORKSHEET COMPLETED BY:



(Name)

Program Manager - Grants

(Title)

June 9, 2016

(Date)

RECEIVED 3-24-16 JRys

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PUBLIC SERVICE PROPOSAL APPLICATION
2016/2017

AGENCY/PROGRAM INFORMATION **DATE SUBMITTED:** March 22, 2016

Legal Name of Agency: **City of Madera - Parks & Community Services Department**

Program Name: Senior Services

Agency Address: 701 East 5th Street

City/Zip: Madera / 93638 Telephone: (559) 661-5495

Program Director: Mary Anne Seay FAX: (559) 675-3827

SUMMARY OF COMMUNITY NEED OR PROBLEM TO BE ADDRESSED: (Describe the community need or problem to be addressed by the proposed program. State how and by whom the need was identified. All research documentation must be acknowledged.)

The City of Madera's Parks and Community Services (**PCS**) Department offers programs and services for the senior citizens of Madera. Seniors are defined as individuals 60 years of age and older. In recent years, staff has charted increased attendance in each of our program areas as a result of aggressive CDBG goals, an improved marketing strategy and an increasing senior population. While the interest and demand for senior services continue to grow in Madera, revenues have continued to decline in each of the last several years. Without additional sources of funding, the City of Madera would have no recourse but to reduce existing service-levels to Madera's seniors.

PCS employees manage senior services and programs at three congregate sites in addition to providing home-bound meal deliveries (Meals on Wheels) throughout the City. Staff is seeking Community Development Block Grant (CDBG) resources in the amount of $150,000 to support staffing, supplies and associated programming costs for our suite of senior activities which include: 1. the Meals on Wheels program; 2. Recreation and enrichment at our three congregate sites; and 3. nutrition/meal programs at each of the three congregate senior service locations. The congregate locations are located throughout Madera's disadvantaged neighborhoods at: the Frank Bergon Senior Center, the Pan-Am Community Center, and the Adult Day Care (ADC) Facility.

As introduced more generally above, requested CDBG funding would enable the City to continue to host and enhance the following programs and services for seniors:

a) **Meal Program** - The City of Madera provides a nutritious and balanced meal five days per week throughout the year, excluding holidays. The Meals on Wheels portion of the program delivers a minimum of five nutritious meals per week to qualified home-bound seniors. When resources are available from the funding source (Fresno Madera Agency on Aging (FMAAA)), additional meals (breakfast, snacks and/or shelf stable meal packages) are also provided.

b) **Wellness and Nutrition Programs** - Fitness and wellness programming takes place at all three locations. Programs offered throughout the week include: Tai-Chi, Zumba, aerobics, walking, chair exercise, water aerobics, yoga, dance instruction, and others.

c) **Recreation and Educational Activities** - The City augments its daily service for seniors with a variety of recreation and educational programming that includes safety discussions led by local law enforcement, technology related programs, genealogy classes, arts & crafts programs, ceramics classes, educational speakers, games, inter-generational programming, cooking classes, social dances, a wide variety of local and regional field trips, and other programs.

d) **Adult Day Care** - Meal and recreation programs for seniors with special needs are offered at the City of Madera's Adult Day Care (ADC) Center; programming at this facility is designed exclusively for seniors who have dementia (including Alzheimer's), Parkinson's disease or other related health issues. Program provides needed respite for family members and caregivers.

The three senior sites offer programming and services that are located throughout the City benefitting many of Madera's seniors and their families. The Meals on Wheels Program is also offered throughout the City limits. Without the City's senior programs, many program participants would live in isolation without the guarantee of consuming at least one nutritious meal each day. In addition, the recreation and fitness components provide an opportunity for social interaction, engagement, improved vitality and overall increased wellness. Our participants frequently describe our senior programming as their home away from home. In many cases, our services are the only nutritional, social and continued education services received by our participants. The attached letters illustrate some of these points.

EXISTING SERVICES: List other agencies currently addressing the need or problem described above. (Attach sheets if necessary.)

No other Madera-based agency offers the home delivered and congregate meal services and the variety and accessibility of programs within the City limits that are offered by the City's Parks and Community Services Department.

Explain how your program supplements or complements existing services without duplicating them. (Attach sheets if necessary.)

Not applicable

CLIENT POPULATION

Indicate the total number of potential clients in the community who require your services.

The senior population of The City of Madera is estimated to be 6,129 which is 8.8% of the total population of the City according to the most recent census data.

State the total number of unduplicated clients you intend to serve during the term of this proposed program/service (12 months)

None of the 6,129 seniors are exempt from our programs and services, but our program is limited by room-size as well as staffing and other capacity issues. We estimate that we could serve up to 770 unduplicated seniors annually in the various programs and special events provided for area seniors.

If this program was funded last year, has there been a change in the composition of the target population to be served and/or shift in the geographic target area?

_____ Yes __X__ No

If yes, explain:

Provide the following demographic information for the total number of unduplicated clients as indicated above:

AGE	0 - 5	6 - 12	13 - 17	18 - 34	35 - 54	55 - 59	60 - 64	65 +
							220	550
GENDER	Female	539						
	Male	231						
FEMALE HEAD								

This information is confidential and is only used for government reporting purposes to monitor compliance with equal opportunity laws. Please note that self-identification of race/ethnicity is voluntary.

RACE	NO.	RACE	NO.
White	287	American Indian or Alaska native AND White	296
Black/African American	42	Asian AND White	293
Asian	6	Black/African American AND White	329
American Indian or Alaska Native	9	American Indian/Alaska Native AND Black/African American	51
Native Hawaiian or Other Pacific Islander	3	Other: Two or more races	33
Mexican/Chicano	320	Cuban	0
Puerto Rican	0	Other Hispanic/Latino:_____	320

EFFECTIVENESS AND EFFICIENCY

Describe the method used to measure the effectiveness (outcomes) of services. Identify measurable goals and objectives. Attach a copy of the program's evaluation documentation.

Goal #1: The City will implement technology based recreation programs for seniors. Participants will self-report a greater understanding of the benefits of technology.

Objective #1: The technology program area listed above will achieve at least a 10% increase in unduplicated clients over previously documented participation totals.

Objective #2: The technology program marketing will target an audience of Spanish speaking seniors in Madera. The senior technology program will achieve a 10% increase in participation of Madera's Spanish speaking senior population.

Goal #2: The city will implement new wellness and recreation programs for seniors. Participants will self-report greater life satisfaction and wellness as a result of participating in City provided programming.

Objective #1: The City will provide new educational excursions and programs that promote lifelong learning. The average score on self-reporting surveys for life satisfaction will rise 10% over the grant period.

Objective #2: The overall average score on self-reporting surveys for wellness will rise 10% over the grant period.

The City of Madera's Senior Service Programs have a system of checks and balances to ensure efficiencies, goal achievement and quality service. In addition to regular site visits, staff observation, employee evaluations, and program audits, we distribute and collect regular customer

satisfaction surveys. The data collected from these surveys is compiled, analyzed and used as a means to grow and improve service. (See attached employee evaluation, visitation check-list, and customer satisfaction service survey.)

What National Objective does your program meet?

The City of Madera Senior Service Program meets the national objective of benefiting low and moderate income persons. Most program participants in the City of Madera meet the low income criteria. In the rare circumstance where this is not the case, all program participants are seniors and therefore meet the qualifications as defined by CDBG.

Describe what measureable objectives your program meets?

Objective #1: The program areas listed above will each achieve at least a 10% increase in unduplicated clients over previously documented participation totals.

Objective #2: The program areas listed above will each achieve at least a 10% increase in duplicated services provided to individual participants.

Objective #3: The average score on self-reporting surveys for life satisfaction will rise 10% over the grant period.

Objective #4: The average score on self-reporting surveys for wellness will rise 10% over the grant period.

How will your program meet its goals in one year?

The City of Madera Senior Services Program will meet its goals by monitoring monthly meal consumption and quarterly reports that demonstrate goals and objectives are being met to ensure low and moderate income persons are receiving meals, social interaction and recreation programming detailed in this grant application.

How does your proposal support the Vision Plan Madera 2025 Action Plan?

The City of Madera's Senior Services Program supports the Vision 2025 Action Plan in the specific target areas of strategies #337 and #342 by providing intergenerational activities and vocational opportunities for seniors. Strategy #337 is to develop programs for Maderans of all ages with an emphasis on youth and senior activities. Strategy #342 is to ensure there are paid and volunteer opportunities for Madera's seniors.

SERVICE FUNDING

What financial resources, other than City are available for this program? Have applications for other funds been submitted? Explain. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

a) The Fresno Madera Area Agency on Aging (FMAAA) offers grant funding to help offset costs of senior services programs.
b) Some seniors make anonymous voluntary donations to the program. The suggested donation is $1.75/ meal. Seniors are NOT denied a meal and City staff does not track who donates resources and who does not.
c) The City of Madera's General Fund.
d) Other fund raising efforts occur periodically throughout the year; modest support of senior programs is achieved through fund-raising.

Describe in detail all proposed plans for fund raising for this program. What is the projected net income from fund raising? If net fund raising is not increasing, please explain (be specific).

As mentioned earlier, this request is to cover increasing costs of doing business for an increased number of participants in the City of Madera. The overall budget for the three senior sites and homebound meal program is estimated to be about $380,565 for the upcoming 2016-17 Fiscal Year. FMAAA grants are anticipated to offset this figure by $67,563. Funding support from the FMAAA is likely to remain relatively consistent in the upcoming fiscal year, but specific funding amounts are not communicated to staff until well after the CDBG selection process and the City of Madera's Budget building process have been completed.

Voluntary donations for the current fiscal year are projected to be shy of $17,000. These voluntary contributions have declined significantly over the last several years and have not recovered in step with the economic recovery. City staff project $17,000 in donations for the upcoming fiscal year. The City's General Fund available to the Parks and Community Services Department has also decreased in step with the economic down-turn and final budget numbers are not yet available for next Fiscal Year. Still, the trend has been downward; the City's General Fund contribution to the Parks and Community Services Department as a whole has decreased by approximately 30% over the last five years. These reductions have impacted the service delivery plan for senior programs, while CDBG and FMAAA grant awards make continued programming possible.

What was done to receive public input/participation? Please provide details. What did the public input/participation identify? Include documentation of support for the proposal such as meeting minutes, letters and petitions.

The City of Madera surveys senior program participants annually and receives feedback from the Park and Recreation Advisory Board and the City of Madera Vision 2025 subcommittee. These groups meet regularly to discuss various topics and to give valuable input on programs and services, including those for seniors. Survey results and community feedback data are analyzed and program planning is implemented to meet the needs of participants as a direct

result of feedback data.

The City of Madera has also hosted community meetings to seek feedback from seniors on the allocation of resources. Staff continues the practice of including participant feedback in program development. This occurs through formal evaluations and surveys as well as more casual conversation between staff and program participants. Valuable input from seniors continues to influence the provision of services. Seniors identified various areas of interest; the top three areas of requested change in the last survey are:

1. Increasing hours of operation at senior centers.
2. Increasing senior programming during added hours of operation.
3. Increasing healthy food choices in the meal program.

If service is offered outside the Madera city limits, include the list of funding sources and supporting documentation/letters of commitment that support these program services.

The City of Madera does not offer service outside of the Madera City limits.

When there is an overflow of clients, how is it determined whom to serve?

The City of Madera has not had an issue with an overflow of clients for the congregate meal program. The Home delivered meal program has a waiting list system in effect to serve the overflow of clients, additional resources helps to reduce the waiting list. We have increased the number of recreation and fitness programs to accommodate the increased interest, including additional and more regular field trips. Trips are offered on a first come/first served basis and they have filled up from time to time. When possible, a second bus is ordered.

Is income criteria used to establish eligibility for services?

____ Yes ___X___ No (If yes, attach a copy of the criteria.)

Is a fee schedule used?

____ Yes ___X___ No (If yes, attach a copy of fee schedule.)

INCOME SOURCE	AMOUNT	
CITY	135,157	
UNITED WAY	-	
STATE (SPECIFY)	-	
FEDERAL (SPECIFY)	67,563	FMAAA
SERVICE FEES	-	
FUND RAISING	10,000	
DONATIONS	17,000	
CDBG REQUEST	150,000	
OTHER (LIST)	845	Madera County
TOTAL INCOME	380,565	

SALARY EXPENSES	ACCOUNT NO.	AMOUNT
SALARIES	0100	214,155
BENEFITS	0150	95,544
SERVICES & SUPPLIES		6,900
INSURANCE	0200	325
COMMUNICATIONS	0250	5,550
CONSULTANT SERVICES	0300	-
OFFICE EXPENSE	0350	2,550
OFFICE RENTAL	0400	1
EQUIPMENT RENTAL	0450	-
UTILITIES	0500	3,600
TRAVEL (ADMIN.)	0550	-
FOOD SUPPLIES	0600	1,000
CONTRACTS	0650	39,969
TRANSPORTATION	0700	3,471
FUND RAISING	0750	7,500
TOTAL		380,565

SPONSORING AGENCY MANAGEMENT

CORPORATION DIRECTORS:

How often does the Board meet?

The Madera City Council meets twice per month; once on the first Wednesday and once on the third Wednesday of each month. In the event a regularly scheduled meeting lands on a holiday, the Council meets the following business day.

What was the average number of Board members attending meetings last year?

The average number of members at meetings last calendar year was six (6). It should be noted that in November of 2012, the City of Madera moved from five (5) at large elected Council Members with a rotating annual Mayor to having six (6) Council Members elected by district and one (1) four year Mayor.

Based on the bylaws, what is the minimum and maximum number of seats on the Board?

___4___ Minimum ___7___ Maximum

Please provide the following information:

Date of Incorporation: 1907

IRS Employer Number: 94-600365

Attach current Board of Directors' roster, including the names, addresses, occupations and number of years served on the Board.

Robert L. Poythress, Mayor, Vice President/Manager, Citizen's Business Bank, elected 2012, Mayor term expires December 2016

Vacant, Council Member term expires December 2018; District 1

Andrew J. Medellin, Owner Andy's Sports and Design, elected 2012, Council Member term expires December 2016; District 2

William Oliver, elected 2014, Mayor Pro Tem expires December 2015, Council term expires December 2018; District 3

Derek O. Robinson Sr., Retired Postal Service, elected 2012, Council Member term expires December 2016; District 4

Charles Flores Rigby, elected 2014, Council Member term expires December 2018; District 5

Donald E. Holley, Machine Operator, elected 2012, Council Member term expires December 2016; District 6

All of the Council Members and the Mayor may be reached at the following:

Madera City Hall
205 W. 4th Street
Madera, CA 93637

(559) 661-5409

FINANCIAL:

How often are financial records audited, and by whom?

Senior Service budgets are tracked regularly by staff. Internal Parks & Community Service Department practice is to review budgets on a quarterly basis. The Senior Program is subject to being audited twice annually. Separate audits occur by the Fresno Madera Area Agency on Aging and by an internal City of Madera audit performed by Price Paige and Company; they can be reached at: telephone - 559.299.9540, fax 559.299.2344 or website www.ppcpas.com.

Are the treasurer and/or other financial officers bonded? Yes

If so, for how much? $1,000,000

List any judgments or pending lawsuits against the agency or program:

None

List any outstanding obligations:

None

RESOLUTION/CERTIFICATION:

We, the Board of Directors of N/A do hereby resolve that on , 2015, the Board reviewed this application and, furthermore, the Board in proper motion and vote approved this application for submission to the City of Madera.

Furthermore, we certify that the agency making this application is (1) non profit, (2) tax exempt, and (3) incorporated in the State of California, and has complied with all applicable laws and regulations. To the best of our knowledge, all information presented herein is correct and complete.

Dated: _____, 2016

AGENCY NAME: City of Madera – Parks & Community Services Department

ADDRESS: 701 East 5th Street, Madera, California 93738

TELEPHONE: 559-661-5495

By: _____
President of the Board of Directors

This application and the information contained herein are true, correct and complete to the best of my knowledge.

By: _____
Executive Director

RETURN AN ORIGINAL AND TWO COPIES TO:	City of Madera 205 West Fourth Street Madera, CA 93637 Attention: CDBG Administration
DUE DATE:	**March 25, 2016, 12:00 p.m.**
CONTACT PERSON:	Jorge Antonio Rojas, Program Manager – Grants 559-661-3693 jrojas@cityofmadera.com

City of Madera
Employee Performance Rating Form

LAST NAME	FIRST NAME	ID#	RANGE/STEP	PURPOSE OF REPORT
				( ) Probationary ___ Month ( ) Other _____ ( ) Merit Increase ( ) Semi-Annual Performance
DEPARTMENT	**POSITION TITLE**	**PERIOD ENDING**	**DUE DATE**	

PERFORMANCE FACTORS	NOT ACCEPTABLE	IMPROVEMENT NEEDED	SATISFACTORY	GOOD	SUPERIOR
1. Skill Level/Job Knowledge					
2. Work Habits					
3. Initiative					
4. Attitude					
5. Judgment					
6. Appearance/Physical Condition					
7. Communication Skills -Written/Oral					
8. Safety Awareness					
9. Cost Consciousness					
10. Attendance/Punctuality					
SUPERVISORS ONLY					
11. Organizational Skills					
12. Supervision/Leadership					
13. Self Confidence					
14. Fairness/Impartiality					

OVERALL COMMENTS: See attached

RECOMMENDATIONS FOR IMPROVEMENT: See attached

EMPLOYEE COMMENTS (optional):

GOALS (if applicable): See attached.

SIGNATURE OF RATER (Immediate Supervisor) DATE

( ) I have discussed the above with the employee and explained the rating and remarks.

EMPLOYEE SIGNATURE DATE

( ) I have discussed the above rating with my supervisor
( ) I have reviewed this report. My signature does not necessarily imply agreement with all items marked.

DEPARTMENT HEAD SIGNATURE DATE

( ) I concur with rating
( ) I do not concur with rating
( ) Approved for merit increment

REVIEWED BY:

CITY MANAGER DATE:

WHITE – PERSONNEL COPY YELLOW – EMPLOYEE COPY PINK – DEPARTMENT COPY

City of Madera

Senior Program Survey
February 2016

Please fill out this short survey to help us meet your needs more effectively and efficiently. We thank you in advance and appreciate your input and feedback.

1. **I come to the Senior Center primarily for the?**

a) **Socialization**
b) **Nutritious Meal**
c) **Recreation Programs (i.e., dances, bingo, trips, exercise, computers, etc.)**
d) **All of the above**

2. **How often do you visit the Senior Center?**

a) **Once a week**
b) **2 to 3 times a week**
c) **4 to 5 times a week**

3. **Please rate senior program staff (Only circle one)?**

a) **Excellent**
b) **Satisfied**
c) **Needs Improvement**
d) **Poor** **If Poor, Why?** _____

4. **Please rate the senior program meals (Only circle one).**

a) **Excellent**
b) **Satisfied**
c) **Needs Improvement**
d) **Poor** **If Poor, Why?** _____

5. **Please rate the senior recreation programs (Only circle one).**

a) **Excellent**
b) **Satisfied**
c) **Needs Improvement**
d) **Poor** **If Poor, Why?** _____

6. **Have you taken advantage of the senior trips offered?**

a) **Yes**
b) **No** **If No, Why?** _____

7. **Are there additional programs or services you would like to see offered by The City of Madera Parks and Community Services Department?**

_____

_____

8. **What is your age? (Circle One)**

50-60yrs **60-70yrs** **70-80yrs** **80-90yrs** **90yrs+**

City of Madera – Parks & Community Services
Visitation Checklist

Facility:		Program:	
Date:		Staff Present:	
Time In:	Time Out:	# of Participants	
Activity:		Report By:	

PERSONNEL (Staff was where they were schedule to be, doing what they were scheduled to do)

- ☐ All scheduled employees were present
- ☐ Employees were on time
- ☐ Employees were in appropriate attire/uniform
- ☐ Employees were leading calendared activities
- ☐ Employees were working to achieve objectives
- ☐ Employees were engaged with program participants
- ☐ Employees were appeared organized
- ☐ Employees had the supplies they needed

FACILITY (The facility is well maintained)

- ☐ The exterior of the Facility was neat and orderly
- ☐ Landscape and parking lot was neat and orderly
- ☐ Interior of the Facility was neat and orderly
- ☐ Furniture was neat and orderly
- ☐ Bathrooms were clean and stocked
- ☐ Other Facility issues: (please note that facility issues need to be reported to appropriate staff)

CORE VALUES (To the extent possible, please identify whether the staff exhibited the departments core values)

- ☐ Service
- ☐ Integrity
- ☐ Accountability
- ☐ Teamwork

FORMS (Staff was able to locate forms at the facility and were aware of their intended use)

- ☐ Activity calendar posted
- ☐ Attendance Form (up to date)
- ☐ Menu posted
- ☐ Incident reports on file
- ☐ Accident reports on file
- ☐ Rules Posted
- ☐ Department Mission Statement and Core Values posted
- Other Required Forms:

SAFETY (Safety policies and procedures were observed)

- ☐ Staff Exhibited basic safety principles
- ☐ Fire extinguisher current
- ☐ Injury and Illness Plan available
- ☐ Appropriate postings of required safety procedures
- ☐ First Aid Kit up to date
- ☐ Other safety concerns or issues: (please note that safety issues need to be reported to appropriate staff immediately)

NOTES & OBSERVATIONS (Use this space to highlight the positives you noted during this visitation. Also, use the space below share information that might help the PCS team deliver higher quality service to our program participants.

Employee(s) Signature(s):	Supervisor Signature:

To whom it may concern:

In regards to the MADERA ADULT DAY CENTER:

My mother Ruth Robertson has been attending the Madera Adult Day Center for the past 8 years. I can't tell you how much they have done for my mother and myself.

I am a single mother , with a drug addicted daughter and a new grandson and work full time and take care of a household. My plate is full to say the least. If it wasn't for the Madera Adult Day Center, I would not be able to function at all. It is such a wonderful blessing to be able to know that my mother is cared for and safe with people who are kind and compassionate. I can't not say enough of how much the program means to me and my mother. She enjoys it there as much as she can and just today when I dropped her off and they were playing the game Sorry, I could tell that it stimulates her mind and brings her back to herself and out of her dementia for a short period of time and I thought how very fortunate I was for the MADERA ADULT DAY CENTER!!

Thank you and I hope the program will continue to help with my mother's last days here.

Sincerely,

Jane Robertson 2/10/16

Jane Robertson

February 10, 2016

To Whom It May Concern:

The Madera Senior Club has approximately 65 plus active members and we are in full support of the application by the City of Madera Parks and Community Services Department for funding from the Community Development Block Grant (CDBG) for senior programs. These programs help enhance the lives of seniors by giving us a place to socialize and receive nutritious meals. We do programs like bingo, exercise, karaoke, dances, field trips and computer classes that the City provides to make every day at the center fun.

I am available to answer any questions you may have.

Sincerely,

Angelo Colantonio, President
Madera Senior Club

February 10, 2016

Grants Committee:

My name is Nancy Young and I am a program participant at the Pan American senior center. I would like to submit a letter on behalf of The City of Madera Parks and Community Services Department for support of funding for senior programs.

The Pan-American center is like our home away from home. We enjoy the new programs that are offered every day and try to help as much as we can to keep our center safe, clean and fun. Any funding provided can go a long way in enriching our lives and we thank you for your consideration.

Sincerely,

Nancy Young
Pan-Am Senior Center Program Participant

TAB 7

Return to Worksheet

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PROJECT PROPOSAL FORM
2016/2017

DATE SUBMITTED: June 23, 2016

A. GENERAL INFORMATION

1. Name of Department/Organization: **City of Madera – Parks & Community Services Dept.**

Address: **701 East 5th Street – Madera, California 93638 (Main office located at City Hall)**

Contact Person: **Mary Anne Seay** Phone: **559-661-5491; Main # is 559-661-5495**

Concurrence: _____
Department Head Signature/Authorizing Official

B. ACTIVITY DESCRIPTION

1. Summary (Description of proposed project and anticipated accomplishment. If appropriate, include diagram of the area.):

CENTENNIAL PARK REHABILITIATION AND LIGHTING PROJECT – This project represents a rehabilitation of elements at an existing park located in a low income neighborhood (within an eligible census tract. Centennial Park contains amenities which include parking lots; a swimming pool complex (with 3 pools, pool decking, a shade structure and pool building); outdoor inclusive play feature (under construction); play areas; and the John W. Wells Youth Center. Aging infrastructure and the lack of adequate lighting need to be addressed. Concrete pool decking and associated drains are failing, shade structures have become worn and blighted, ADA deficits have been made clear, the community has expressed concern over the lack of exterior lighting, and the finish on the exposed wood beams for both buildings is failing and in jeopardy of becoming blighted.

2. Need (Explain why project is needed.):

Centennial Park and the amenities on the property have been built and phased in over many years. Wear and tear, blight, ADA non-compliance, lack of sufficient lighting and other deficits have been identified by staff and the public and need to be addressed. Maintaining existing infrastructure that provides inclusive recreation, play, education and community gathering is essential to the health and safety of Madera's youth and the livability for residents in an economically challenged neighborhood. Failure to address the conditions as captured above would have a negative impact on area residents who rely on the park and its amenities for health, wellness, inclusion, community, a safe place and a sense of belonging.

3. **Estimated cost of project and source of estimate (if available):**
$430,000.00

Please identify other sources of funds to implement this project. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.
None

4. **Timetable (assuming final approval next July 1). Will your proposal meet these goals in one year? Give starting date for activity.**
If funded, staff will immediately engage in defining the scope of work (which depends on the funding amount). Substantial progress is expected in the first year of funding.

5. **What measureable goals will your program deliver?**
GOAL 1 – Improve Public Facilities
GOAL 2 – Provide Suitable Living Environment
GOAL 3 – Offer Youth Services
GOAL 4 – Increase Services to Special Needs Populations & Improve ADA Accessibility

The very completion of the proposed improvements is measurable. Pre and post improvement inspections will be completed by City staff and captured by way of appropriate CDBG reporting guidelines. As a result, the project will stave off deterioration of park infrastructure providing for a more livable community. The project will result in a safer, more aesthetic and more usable facility while expanding the usable life of amenities and making the entire facility more accessible to all, particularly for those with disabilities and/or limited mobility.

6. **What are the project's expected outcomes? How are the outcomes assessed?**
* Improved safety with the addition/improvement to concrete, lighting, and shade;
* Prolonged life of Public Facilities due to infrastructure improvements;
* Improved appearance/sense of place;
* Improved accessibility for all residents; and
* Increased and improved programming to youth, including special needs populations.

Centennial Park will become more accessible to the public in general and in particular to those with disabilities and/or limited mobility. An additional outcome is progress toward completing specific goals as outlined in the *ADA Self Evaluation and Transition Plan*. The outcomes will be assessed through reported increase in public satisfaction with the accessibility of the Center and increased public usage of the facility.

7. **What National Objective does your program meet?**

The proposed projects will meet two of the national objectives:

National Objective #1: Activities benefitting lower income person/households., and

National Objective #2: Preventing or eliminating slums or blight.

8. **How does your proposal support the Vision Plan Madera 2025 Action Plan**?

This project addresses several strategies and actions included in the Vision Plan including:

Action 113.3 – Establish budgets to ensure all City facilities that provide services to the public are ADA compliant.

Action 113.4 – Provide parking with easy access for the handicapped.

Action 121.10 – Add facilities and amenities for the public.

Action 138.1 – Update the City of Madera's ADA program.

Action 138.2 – Inventory those public structures currently not in ADA compliance and develop plan to bring them into compliance.

Action 314.2 – Continue and expand facilities for youth-at-risk.

Strategy 332 - Youth Services: Expand comprehensive services for Madera's youth, including employment opportunities, community activities, sports programs, performing arts and after-school programs.

Strategy 336 – Youth Center: Expand youth center facilities throughout the City.

Strategy 404 – Promote increased community wellness.

Strategy 406 – Community Safety: Reduce the incidence of domestic violence within the community including child abuse; spousal abuse; crimes against youth and the elderly; and crimes committed by youth.

Strategy 407 – Promote and expand existing services to allow Madera's elders to maintain independent lifestyles.

Strategy 411– Enhance and expand recreational activities available to Maderans.

C. ENVIRONMENTAL IMPACTS:

1. Historical:

a. How old is the affected structure?

Centennial Park was originally referred to locally as "Swimming Pool Park" as it was home to the first public pool in Madera. The Park and pool were constructed in 1964, or 52 years ago. Other amenities, such as the pool building (2009) and youth center (2010) were constructed more recently. Those additions, plus the addition of the new inclusive play feature which is currently under construction, bring additional traffic to the well-used public facility further necessitating the need to maintain the existing infrastructure.

b. Will this project affect a historically significant (or potentially historic) structure?

No.

2. Archeological:

a. Will this project involve any ground disturbance?

Yes. Minimal excavation will be required during demolition and for reconstruction of concrete surfaces.

b. If so, how deep will excavation be and what is the volume of earth to be moved?

Excavation will be 8" or less below existing ground elevation.

3. Water:

a. Does this project involve a sewer or water system?

Yes.

D. PROGRAM ELIGIBILITY:

To be eligible for funding, a project must either benefit low and moderate-income persons or prevent/eliminate slums or blight. Indicate how the proposed project meets this requirement. Projects that primarily benefit handicapped or senior citizens meet the criteria for benefiting low and moderate-income persons.

1. Primarily benefits low and moderate-income persons.

a. Number of persons served annually: 25,280

b. Service Area: The City of Madera
Number of City residents served annually: 25,280
Number of persons with disabilities or seniors served: 1,117

2. **How will the proposed project prevent or eliminate slums or blight?**
The elimination of deteriorating paint, exposed and aging wood, broken concrete, and dilapidated shade structures will beautify and revitalize the facility. The addition of exterior lighting will decrease blight in that it will deter vandalism and increase a sense of pride in the facility.

E. CITIZEN PARTICIPATION:

Project proposals should include evidence of citizen support for activity.

1. **What was done to receive public input/participation? Please provide details. What were the outcomes? Include documentation of support for the proposal such as meeting minutes, letters and petitions.**
The City of Madera takes several steps to ensure public participation in the planning of our programs, services and facilities. We use social media (Facebook and Twitter) to engage residents https://www.facebook.com/maderapcs/, hold community meetings, work with our partners in PD and Neighborhood Revitalization to collect citizen complaints and compliments, and we survey program participants and their parents (swimming programs as well as youth programs hosted at the park's youth center - see attached surveys).

   Specific meetings include the City of Madera's Beautification Committee (meetings are the 2nd Thursday evening of the month at 5:30 except in July and December), Youth Commission, periodic Neighborhood Watch, and community input meetings with the general public or specific partners. The specific outcomes for community meetings have been:

   a. Identify resources for increased and improved exterior lighting;
   b. Identify resources for increased and improved shade at pool;
   c. Identify resources to repair damaged exposed wood at pool building and John W. Wells Youth Center;
   d. Provide improved accessibility; and
   e. Provide additional programming for special needs youth and adults.

2. **Note complaints that have been received, etc.**
Complaint made to Councilman and staff at community meeting regarding dilapidated exposed wood, and lack of exterior lighting. Meeting was held on Tuesday, October6, 2015 in the John W. Wells Youth Center.

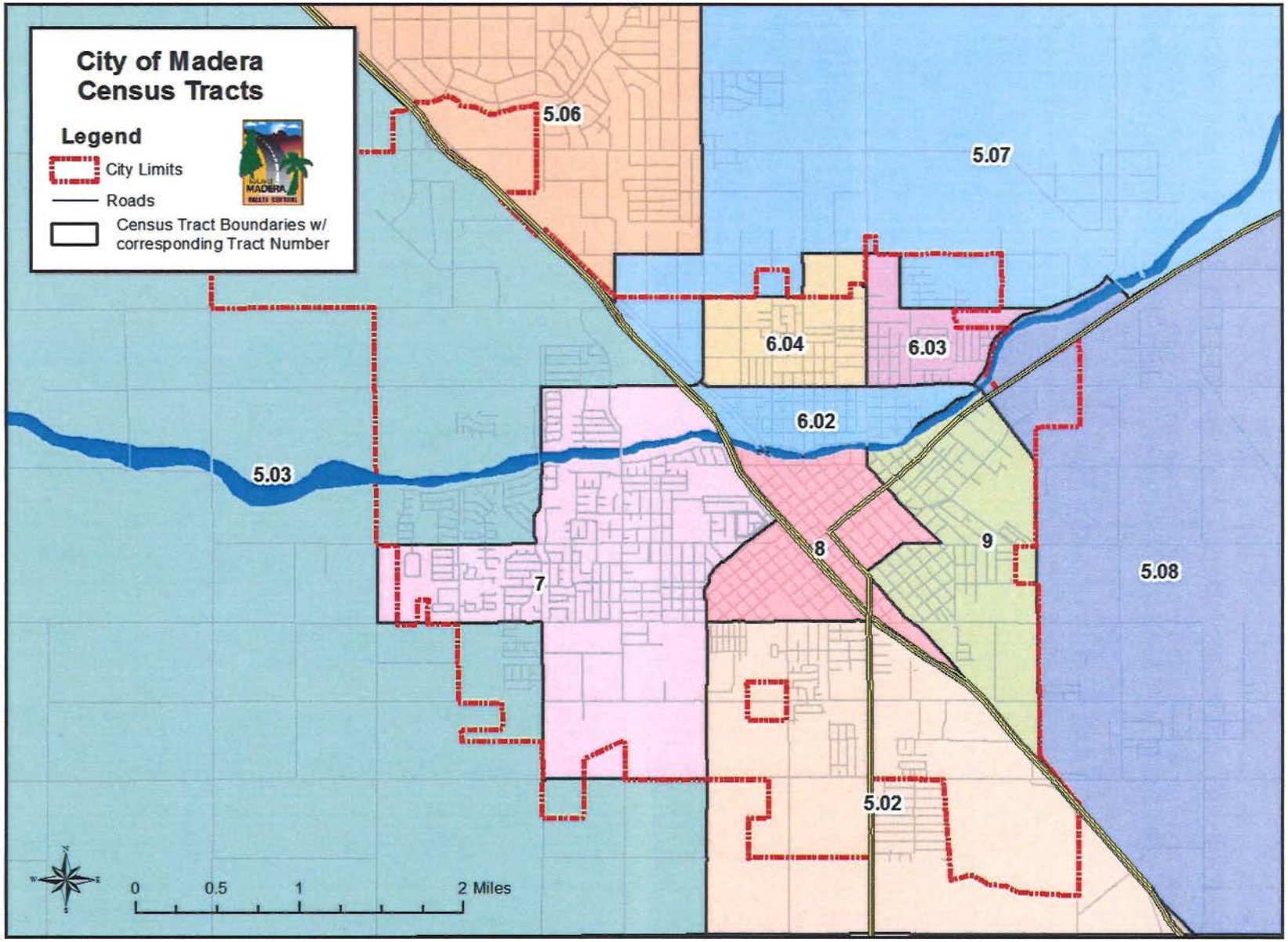
   Neighborhood watch meeting results show increasing concerns about the lack of exterior lighting at centennial Park (see attached notes).

3. **Evidence of collaboration with other agencies within the community.**
In addition to the links provided below that show video evidence of our partnerships, please see attached letters of support from some of our partners.

Special Event/Partners: https://www.youtube.com/watch?v=-5f-DS2s7-Q
Community Input Meeting: https://www.youtube.com/watch?v=aYmtAZP3wLw
Special Needs Adult Partners: https://www.youtube.com/watch?v=Ff8DI-7fGh4
Special Needs Soccer/Partners: https://www.youtube.com/watch?v=vCJ9nHFVhvg
Special Needs Basketball/Partners: https://www.youtube.com/watch?v=UU9-CBVzadc

Please see the eligible CDBG Census Tract map below.

RETURN AN ORIGINAL AND TWO COPIES TO:	City of Madera 205 West Fourth Street Madera, CA 93637 Attention: CDBG Administration
DUE DATE:	**June 23, 2016, 5:00 p.m.**
CONTACT PERSON:	Jorge Antonio Rojas, Program Manager – Grants 559-661-3693 jrojas@cityofmadera.com


City of Madera
Census Tracts
Legend
City Limits
Roads
Census Tract Boundaries w/
corresponding Tract Number
5.06
5.07
6.04
6.03
6.02
5.03
8
9
7
5.08
5.02
0
0.5
1
2 Miles

















CITY OF MADERA

NEIGHBORHOOD REVITALIZATION DEPARTMENT
428 East Yosemite Avenue · Madera, California 93638
(559) 661-5114 Phone · (559)674-7018 Fax

The City of Madera co-hosts Neighborhood Gatherings *throughout the community as an outreach service helping residents get to know each other and join in discussing ways to improve the quality of life in their neighborhoods. Guest speakers are invited to provide valuable information and discuss topics of common interest to neighbors.*

~~~

Call for more information *on how to start a Neighborhood Watch or Neighborhood Association*

~~~

Neighbors *who stay connected help make their neighborhood a better place to live!*

High Street NW Meeting (1st Meeting)
Friday, November 13, 2015
John Well Youth Center, 701 E. 5th Street
6:00-7:00pm Saleh Alhm

Agenda

1.0 Welcome and Introduction of our Neighborhood Outreach Coordinator- Saleh Alhomedi and Co-Coordinator- Christina Herrera
2.0 Introduction/Comments/ Questions from Elected Officials
3.0 Madera Police Department
- 3.1 Next Door, Nixle, and raidsonline.com- Lacy Burleson
- 3.2 Animal Control- Officer Bravo
- 3.3 ~~Establishing Neighborhood Watch Program~~- Officer Velasquez - Officer Garibay w/ the Gang Unit - Officer Perez - Problem Off. w/ Gang Unit

4.0 Questions/Answers
5.0 Adjourn

(10) for activation Security / and Traffic issues

Your Neighborhood Contact:
Ms. Cano at (559) 871-2336

**** Graffiti Cleanup Kits Available—Sign up for a free kit!***

RAIDSONLINE
POWERED BY BAIR ANALYTICS

NEIGHBORHOOD WATCH
PROGRAM IN FORCE

For information on Neighborhood Gatherings Contact:
Saleh Alhomedi at 559-661-5111 or Christina Herrera at 559-661-2853
City of Madera Neighborhood Outreach Specialists

Mary Anne Seay

From: Mary Anne Seay <mseay@cityofmadera.com>
Date: 11/18/2015 4:08 PM (GMT-08:00)
To: Andy's Sports & Design <asd3661@yahoo.com>
Subject: RE: High Street Neighborhood Gathering Report

Thank you, Andy. I appreciate it. Let me know if additional information is needed. Thank you - MAS

. Lighting	Residents expressed concerns about the lack of lighting in the street and at the park.	Councilman Andy informed residents that we will follow-up with the matter.	
. Vehicle vandalism	A resident was concerned that his Truck got kicked by youth leaving the John Well Youth Center.	John Well Youth Center will be informed of activity that is being done by students that are leaving the center early.	
. Street closure on Flume.	Residents wanted to know why the street was blocked.	Councilman Andy informed residents that we will follow-up with the matter.	

Mary Anne Seay

Madera Parks & Community Services Director

701 East 5th Street

Madera, CA 93638

City of Madera
BEAUTIFICATION COMMITTEE
701 E. 5th Street Madera, CA 93638 Ph. (559) 661-5495

CITY OF MADERA
Beautification Committee
701 E. 5th Street
Madera, CA 93638
Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
March 12, 2015
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Approval of Minutes
   - Regular – November 13, 2014
   - Regular – January 8, 2015
4. Correspondence
5. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

II. New Business:

A. Committee Member Appointments
B. Elections of Chair and Vice Chair for 2015
C. HRPP Park Development Grant
D. Fansler Inclusive Playground Grant
E. Item Review – Design Plans for 4th Avenue Landscape
F. Review – Median Island Design
G. Spring Landscape Awards

III. Old business:

A. Department/Program Updates
B. Other

IV. Adjournment

- Any writing related to an agenda item for the open session of this meeting distributed to the City of Madera Beautification Committee less than 72 hours before this meeting is available for inspection at the City of Madera Parks & Community Services office 701 E. 5th Street, Madera, California 93638 during normal business hours.

I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of March 12, 2015 on March 5, 2015.

MARYLIN HALL-ZUNINO, Administrative Assistant

City of Madera
We Care
BEAUTIFICATION COMMITTEE

701 E. 5th Street Madera, CA 93638 Ph. (559) 661-5495

CITY OF MADERA
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Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
April 9, 2015
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Approval of Minutes
   - Regular – March 12, 2015
4. Correspondence
5. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

II. New Business: None.

III. Old business:

A. Water Conservation
B. Department/Program Updates
C. Spring 2015 Landscape Awards – Update
D. Other

IV. Adjournment

- Any writing related to an agenda item for the open session of this meeting distributed to the City of Madera Beautification Committee less than 72 hours before this meeting is available for inspection at the City of Madera Parks & Community Services office 701 E. 5th Street, Madera, California 93638 during normal business hours.

I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of April 9, 2015 on April 2, 2015.

MARYLIN HALL-ZUNINO, Administrative Assistant

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BEAUTIFICATION COMMITTEE

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Beautification Committee
701 E. 5th Street
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Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
May 14, 2015
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Approval of Minutes
   - Regular – April 9, 2015
4. Correspondence
5. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

II. New Business:

A. Brown Act Refresher – Brent Richardson, City Attorney

III. Old business:

A. Spring 2015 Landscape Awards
B. Department/Program Updates
C. Other

IV. Adjournment

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I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of May 14, 2015 on May 6, 2015.

MARYLIN HALL-ZUNINO, Administrative Assistant

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Beautification Committee
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Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
August 13, 2015
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

4. Approval of Minutes
   - Regular Meeting – May 14, 2015
5. Correspondence

II. New Business: None.

III. Old business:

A. 2015 Landscape Awards - Summer
B. Water Conservation

IV. Adjournment

- Any writing related to an agenda item for the open session of this meeting distributed to the City of Madera Beautification Committee less than 72 hours before this meeting is available for inspection at the City of Madera Parks & Community Services office 701 E. 5th Street, Madera, California 93638 during normal business hours.

I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of August 13, 2015 on August 12, 2015.

MARYLIN HALL-ZUNINO, Administrative Assistant

City of Madera
BEAUTIFICATION COMMITTEE
701 E. 5th Street Madera, CA 93638 Ph. (559) 661-5495

CITY OF MADERA
Beautification Committee
701 E. 5th Street
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Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
October 8, 2015
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

4. Approval of Minutes
   - Regular Meeting – August 13, 2015
5. Correspondence

II. New Business:

A. Housing Related Parks Program Update
   Knox Park
   Inclusive Play Feature
   Community Meeting
B. Laurel Trail Progress
   Lighting
C. Median Island Landscape – New Drought Tolerant Plans

III. Old business:

A. Fall Landscape Award Update
B. Department Updates

IV. Adjournment

- Any writing related to an agenda item for the open session of this meeting distributed to the City of Madera Beautification Committee less than 72 hours before this meeting is available for inspection at the City of Madera Parks & Community Services office 701 E. 5th Street, Madera, California 93638 during normal business hours.

I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of October 8, 2015 on October 6, 2015.

MARYLIN HALL-ZUNINO, Administrative Assistant

City of Madera
BEAUTIFICATION COMMITTEE

701 E. 5th Street Madera, CA 93638 Ph. (559) 661-5495

CITY OF MADERA
Beautification Committee
701 E. 5th Street
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Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
November 12, 2015
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

4. Approval of Minutes: there are no minutes for consideration.
5. Correspondence

II. New Business: None.

III. Old business:

A. Fall Landscape Awards
   - Review Nominatoins
   - Chose Award Winner

B. Department Updates

IV. Adjournment

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I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of November 12, 2015 on November 10, 2015.

MARYLIN HALL-ZUNINO, Administrative Assistant

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701 E. 5th Street
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Parks & Community Services, Upstairs Conference Room

REGULAR MEETING
March 10, 2016
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

4. Approval of Minutes:
   - Regular Meeting – January 14, 2016
5. Correspondence

II. New Business:

A. Elections of Chair and Vice-Chair for 2016
B. Beautification Committee Member Contact Information - Discussion

III. Old business:

A. Spring Volunteer Day
B. Park Project Updates
   - Knox Park
   - Centennial Park
   - River Walk
   - Laurel Trail
C. Water Conservation
   - Citation Fees
D. Spring Landscape Awards
   - Approval of Nomination Form
   - Distribute List of Current Spring Nominations Received
E. Department Updates

IV. Adjournment

- Any writing related to an agenda item for the open session of this meeting distributed to the City of Madera Beautification Committee less than 72 hours before this meeting is available for inspection at the City of Madera Parks & Community Services office 701 E. 5th Street, Madera, California 93638 during normal business hours.

I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of March 10, 2016 on March 1, 2016.

MARYLIN HALL-ZUNINO, Administrative Assistant

City of Madera
BEAUTIFICATION COMMITTEE
701 E. 5th Street Madera, CA 93638 Ph. (559) 661-5495

CITY OF MADERA
Beautification Committee
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REGULAR MEETING
May 12, 2016
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

4. Approval of Minutes:
   - Regular Meeting – March 10, 2016
5. Correspondence

II. New Business:

A. Park & Recreation Master Plan Update
B. Urban Forest Issues

III. Old business:

A. Spring Volunteer Day - Update
B. Parks Project Updates
   - Knox Park
   - Centennial Park
   - Laurel Trail
C. Water Conservation
   - Stage Change
   - 4th Street Medians/Pine and Pecan Medians
D. Spring Landscape Awards
   - Distribute Updated List of Current Spring Nominations Received
   - Prentation – Nominated Residences
   - Chose the 2016 Spring Landscape Award winner
E. Department Updates

IV. Adjournment

- Any writing related to an agenda item for the open session of this meeting distributed to the City of Madera Beautification Committee less than 72 hours before this meeting is available for inspection at the City of Madera Parks & Community Services office 701 E. 5th Street, Madera, California 93638 during normal business hours.

I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of May12, 2016 on May 6, 2016.

MARYLIN HALL-ZUNINO, Administrative Assistant

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REGULAR MEETING
January 14, 2016
5:30 p.m.

AGENDA

I. Opening Procedures

1. Call to Order
2. Roll Call
3. Public Comment:

The first fifteen minutes of the meeting are reserved for members of the public to address the Committee on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Committee. Speakers shall be limited to five (5) minutes, and it is requested that no comments be made during this period on items on the Agenda. Members of the public wishing to address the Committee on items on the Agenda should notify the Chair when that Agenda item is called. The Committee is prohibited by law from taking any action on matters discussed that are not on the Agenda, and no adverse conclusions should be drawn if the Committee does not respond to public comment at this time.

4. Approval of Minutes:
   - Regular Meeting – October 8, 2015
   - Regular Meeting – November 12, 2015
5. Correspondence

II. New Business:

A. Baracades
   - 4th & Flume Streets
B. Water Concervation
C. Spring Volunteer Day
D. Ideas – Discussion
   - Videos
E. Spring/Summer Awards

III. Old business:

A. Department Updates

IV. Adjournment

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I, Marylin Hall-Zunino, Administrative Assistant for the City of Madera, Parks & Community Services Department, declare under penalty of perjury that I posted the above Beautification Committee Agenda for the Regular Meeting of January 14, 2016 on January 12, 2016.

MARYLIN HALL-ZUNINO, Administrative Assistant

Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, November 3, 2015
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker/ Team Building

2) Youth Commission By-Laws – going over them

3) Body Map Template activity – helping to identify what's important to Commissioners

4) Adjournment – Next meeting will be Tuesday, November 17, 2015 5:30-6:30pm



City of Madera
Parks & Community Services
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559.661.5495 T
559.675.3827 F
www.madera-ca.gov

Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, November 17, 2015
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker/ Team Building

2) Youth Commission By-Laws – answering questions

3) Youth Commission priorities for the year – what areas would you like to focus on for the year? How do you identify what is important for the group?

4) Adjournment – Next meeting will be Tuesday, December 1, 2015 5:30-6:30pm



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, December 1, 2015
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker/ Team Building

2) Approval of Minutes

3) Treasury Report

   - Fundraising ideas & opportunities

4) Establishing priority projects for the year

   - Look at the key interest areas identified at last meeting and identify projects/activities:
     - Bullying
     - Teen Pregnancy
     - Litter/Trash
     - High School Dropouts
     - Drug & Alcohol Abuse
     - Negative Influences

5) Other Orders of Business
   - Winter Wonderland event- Saturday, December 19, 2015 10am-3pm @ Youth Center

6) Adjournment – Next meeting will be Tuesday, December 15, 2015 5:30-6:30pm

Ornament Exchange for next meeting??



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, December 15, 2015
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker/ Team Building – Build a Snowman

2) Approval of Minutes

3) Treasury Report

   - Fundraising ideas & opportunities

4) Establishing priority projects for the year

   - Look at the key interest areas identified at last meeting and identify projects/activities:
     - Bullying
     - Teen Pregnancy
     - Litter/Trash
     - High School Dropouts
     - Drug & Alcohol Abuse
     - Negative Influences

5) Other Orders of Business
   - Winter Wonderland event- Saturday, December 19, 2015 10am-3pm @ Youth Center
   - Elections
   - Secret Santa & Potluck

6) Adjournment – Next meeting will be Tuesday, January 5, 2016 5:30-6:30pm



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, January 12, 2016
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker/ Team Building –

2) Approval of Minutes

3) Treasury Report

   - Fundraising ideas & opportunities

4) Details on Events (see attachment)

5) Other Orders of Business
   - Easter Eggstravaganza- March 19, 2016 @ Town & Country Park
   - Relay For Life- 1st weekend of May 7th & 8th, 2016

6) Adjournment – Next meeting will be Tuesday, January 19, 2016 5:30-6:30pm



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, January 19, 2016
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker- Bumper Sticker

2) Approval of Minutes

3) Treasury Report

   - Fundraising ideas (came up with a list at meeting on 1/12/16)

4) Saturday Concessions: Youth Basketball- Begin 1/23/16 (this Saturday)

5) Fundraising

6) Event Details (handout given on 1/12/16)

7) Other Orders of Business
   - Easter Eggstravaganza- March 19, 2016 @ Town & Country Park – snow cones, raffle baskets, etc.
   - Relay For Life- 1st weekend of May 7th & 8th, 2016
   - First activity needs to be planned by end of February

8) Adjournment – Next meeting will be Tuesday, February 2, 2016 5:30-6:30pm



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, February 2, 2016
5:30 PM, John W. Wells Youth Center

Agenda

1) Icebreaker/ Team Building –

2) Approval of Minutes

3) Treasury Report

   - Fundraising ideas & opportunities

4) Details on Events (see attachment)

5) Other Orders of Business
   - Easter Eggstravaganza- March 19, 2016 @ Town & Country Park
   - Relay For Life- April 30th & May 1st

6) Adjournment – Next meeting will be Tuesday, February 16, 2016 5:30-6:30pm



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, February 16, 2016
5:30 PM, John W. Wells Youth Center

Agenda

1) Approval of Minutes

2) Treasury Report

3) Researched activities results

4) Other Orders of Business
   - Easter Eggstravaganza- March 19, 2016 @ Town & Country Park – Easter baskets & snowcones
   - Relay For Life- April 30th & May 1st "*Hope Shines On…*" theme
   - Trail clean-up- Monday, March 21, 2016 – Need time & location of trail

5) Adjournment – Next meeting will be Tuesday, March 1, 2016 5:30-6:30pm



Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, March 1, 2016
5:30 PM, John W. Wells Youth Center

Agenda

Members Present:
New members in attendance:

1) Icebreaker/Team Building Activity

2) Approval of Minutes *(President)*

3) Treasury Report *(Treasurer)*

4) Orders of Business:

   a) "Talking Stick" – Will be enforcing this rule to encourage the active listening of each of the Members and others. Only those who have the "Talking Stick" may speak. The "Talking Stick" will be passed to those who would like to comment on the topic at hand. *(Ashley)*
   b) Research of Anti-Bullying Workshops/Seminars/Summits done by other Youth Groups/Youth Commissions. *What has been done? What activities did you like? What would work in Madera? What needs to be changed? (Ashley)*
   c) Start developing Anti-Bullying Workshop/Seminar/Summit *(Ashley)*
   d) Easter Baskets for raffle for Eggstravaganza event on Saturday, March 19, 2016. Decided on 4 baskets to raffle off. Need baskets, wrap, grass, toys. Put baskets together at next meeting. *(President)*
   e) Trail Clean-up: Monday, March 21, 2016 9-11am. Will need a list of equipment needed for clean up at next meeting. *(President)*

5) Other Orders of Business:

   a) Recruitment of additional members. Would like a diverse group of teens to represent the voice of <u>all</u> teens in Madera. *(Ashley)*
   b) Next agenda items:
   c)

6) Adjournment – Next meeting will be Tuesday, March 15, 2016 5:30-6:30pm – Glow-in-the-dark Egg Hunt inside of the Gym



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Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, March 15, 2016
5:30 PM, John W. Wells Youth Center

Agenda

Members Present:
New members in attendance:

1) Icebreaker/Team Building Activity: Egg Hunt

2) Approval of Minutes *(President)*

3) Treasury Report *(Treasurer)*

4) Orders of Business:

   a) Eggstravaganza Event – THIS Saturday, March 19, 2016 @ Lion's Town & Country Park. Meet at park at 8am for set-up.
      i. Snow Cones: Need bags of ice (10) 20oz bags, ice chests
      ii. Baskets: Need raffle tickets (Jenn has), decorated canister for tickets, pens for filling out tickets, & baskets
      iii. Signs: 2 signs – need to make
      iv. Anything else needed for Saturday's event??
   b) Trail Clean-up: Monday, March 21, 2016 9-11am @ Rotary Park (near Dog Park/Skate Park/Jack-in-the-Box).
      i. Will have grapplers & bags. Need to bring own gloves (we *may* have some available)
   c) Relay For Life: Saturday, April 30, 2016 & Sunday, May 1, 2016
      i. Relay theme: "*Paint a World Without Cancer*"
      ii. City of Madera will have a booth
   d) Baskets

5) Other Orders of Business:

   a) Volunteer Day – Saturday, April 9, 2016 @ 8:30am. Meet in parking lot by Ampitheatre
   b) Anti-Bullying Event
   c) Recruitment Ideas
   d) Next agenda items:
   e)

6) Adjournment – Next meeting will be Tuesday, April 5, 2016 5:30-6:30pm



Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, April 5, 2016
5:30 PM, John W. Wells Youth Center

Agenda

Members Present:
New members in attendance:

1) Icebreaker/Team Building Activity: Egg Hunt

2) Approval of Minutes *(President)*

3) Treasury Report *(Treasurer)*

4) Orders of Business:

   a) Eggstravaganza Re-Cap
      i. Money Raised- $317
      ii. How'd it go? Thoughts?
      iii. Notes/Suggestions for next year:

   b) Trail Clean-up Re-Cap:
      i. Girl power! How'd it go?
   c) Volunteer Day – THIS Saturday, April 9, 2016 @ Lion's Town & Country Park 8:30am-1:00pm
   d) Relay For Life – Saturday, April 30 & Sunday, May 1, 2016
      i. Relay theme: "*Paint a World Without Cancer*"
      ii. City of Madera will have a booth
   e) Anti-Bullying Event:
      i. Need to decide on a date & time
      ii. Start working & finalizing activities
      iii. Decide on anti-bullying videos
      iv. Flyer design

5) Other Orders of Business:

   a) Recruitment Ideas
   b) Youth Commission College Trip – Saturday, May 14, 2016: UC Santa Cruz & Santa Cruz Beach Boardwalk
   c) Next agenda items:
   d)

6) Adjournment – Next meeting will be Tuesday, April 19, 2016 5:30-6:30pm



Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, May 3, 2016
5:30 PM, John W. Wells Youth Center

Agenda

Members Present:
New members in attendance:

1) Icebreaker/Team Building Activity:
2) Approval of Minutes *(President)*

3) Treasury Report *(Treasurer)*

4) Orders of Business:

   a) Relay For Life Re-Cap:

   b) Anti-Bullying Event:
      i. Saturday, May 28, 2016 12-3pm
      ii. Grades 5th – 12th
      iii. Advertising the event: How will you do this??
      iv. Jennifer submitted flyer and is waiting for approval.

   c) College Trip – Saturday, May 14, 2016
      i. Pick up @ Youth Center – **Need to be at Center by 6:30am!!!**
      ii. UC Santa Cruz & the Santa Cruz Beach Boardwalk
      iii. Return time is approximately 7:30pm.
      iv. Jennifer will get you a copy of the Itinerary ASAP!
      v. Permission slip: **Need returned by this Friday, May 6, 2016!!!**

5) Other Orders of Business:

   a)
   b)
   c)
   d) Next agenda items:

6) Adjournment – Next meeting will be Tuesday, May 17, 2016 5:30-6:30pm



City of Madera
Parks & Community Services
701 E. 5th Street
Madera, CA 93638
559.661.5495 T
559.675.3827 F
www.madera-ca.gov

Parks Make Life Better!

City of Madera
Youth Commission
Tuesday, May 17, 2016
5:30 PM, John W. Wells Youth Center

Agenda

Members Present:
New members in attendance:

1) Icebreaker/Team Building Activity:
2) Approval of Minutes *(President)*

3) Treasury Report *(Treasurer)*

4) Orders of Business:

   a) Relay For Life suggestions for next year:

   b) Anti-Bullying Event:
      i. Saturday, May 28, 2016 12-3pm
      ii. Grades 5th – 12th
      iii. Advertising the event: How will you do this??
      iv. Jennifer submitted flyer and is waiting for approval.

   c) College Trip – Recap:

5) Other Orders of Business:

   a)
   b)
   c)
   d) Next agenda items:

6) Adjournment – Next meeting will be Tuesday, May 24, 2016 Time:



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Kids Camp Evaluation

Name: _____

Camp Session: Stars and Stripes Week 4

Time: _____

Date of Evaluation: _____

	Poor	Below Average	Average	Above Average	Excellent
Staff					
Staff was prepared	1	2	3	4	5
Staff planned a variety of activites	1	2	3	4	5
Staff was friendly and informative to parents	1	2	3	4	5
Did camp meet your expectations	1	2	3	4	5
Program					
Structure of camp program	1	2	3	4	5
Registration process	1	2	3	4	5
Program fee was appropriate	1	2	3	4	5
Length of camp session	1	2	3	4	5

Comments: _____

Swim Lesson Evaluation

Name: _____

Swim Class: _____

Swim Time: _____

Date of Evaluation: _____

	Poor	Below Average	Average	Above Average	Excellent
Instructors					
Was the instructor involved in teaching the lesson?	1	2	3	4	5
Was the instructor friendly and courteous to your child?	1	2	3	4	5
Was the instructor confident when teaching the lesson?	1	2	3	4	5
Swim Lesson					
Did the lesson start on time?	1	2	3	4	5
Did the lesson run the entire 30 minutes?	1	2	3	4	5
Was your child given enough one-on-one time?	1	2	3	4	5

Comments: _____

City of Madera Parks & Community Services Department

After School Program Cooking Class

Pre-Evaluation Survey

1. Do you help your parents/guardians cook at home? *(Please circle)*
   Yes No

2. How many times per week do you cook or prepare snacks for either yourself or family members? *(Please circle)*
   a) 0-1
   b) 2-3
   c) 4-5
   d) 6-7

3. Hot foods should be kept at what temperature? *(Please circle the number you feel is correct)*
   a) 100 degrees
   b) 126 degrees
   c) 141 degrees
   d) 200 degrees

4. Cold foods should be kept at what temperature? *(Please circle the answer you feel is correct)*
   a) Below 50 degrees
   b) Below 41 degrees
   c) Below 28 degrees
   d) Below 32 degrees

5. How long should food be left out before cooking? *(Please circle the answer you feel is correct)*
   a) 1 hour
   b) 30 minutes
   c) 5 minutes
   d) Food should be left in the fridge until ready to use

6. How long are you supposed to wash your hands? *(Please circle the answer you feel is correct)*
   a) 1 minute
   b) 30 seconds
   c) 15 seconds
   d) I don't need to wash my hands before preparing food

CITY OF MADERA 2016 T-BALL SURVEY

Age Group: _____ Team Name:_____

	EXTREMELY SATISFIED	SATISFIED	AVERAGE	DISSATISFIED	EXTREMELY DISSATIFIED
1. City staff assist with any questions or concerns in a timely manner.					
2. Game days and times.					
3. My child enjoyment of the program.					
4. Coaches and staff professionalism and conduct.					
5. My child's progress in his/ her knowledge in the game of baseball.					
6. League fees value.					
7. Overall, how would you rate this program?					

8. What does your child like most about the league?

_____

_____

9. As the guardian, what did you like most about the league?

_____

_____

10. Would you register your child again for this league? Yes/ No. Please explain.

_____

_____

11. What changes if any would you like to see?

_____

_____

12. Would you participate in a Fall T-Ball League if offered?
___ Yes ___ No

13. Please prioritize and identify which sports you would be interested in registering your child for
___Flag Football ___ Volleyball ___ Soccer ___ (Other)_____

14. Additional comments.

_____

_____

Any additional concern, please feel free to contact us through email:

Youth / Adult Sports Coordinator : Adam Romero - aromero@cityofmadera.com

To stay current with programs and activities, follow on Facebook at:
City of Madera Parks and Community Services

Like us on Facebook

Community
Integrated
Work
Program, inc.

980 Emily Way, Madera, CA 93637
(559) 673-5174 • Fax: (559) 673-2932

June 22, 2016

To whom it may concern:

As Advocates for individuals with developmental disabilities and mental challenges, Community Integrated Work Program, Inc. (CIWP) is excited about the possibilities offered to our clients by the City of Madera's latest initiative to improve Centennial Park. Our model of community integration includes accessibility to sports and recreation programs as a means to achieve productive lifestyles, and the Centennial Park Rehabilitation and Lighting Project is in conformance with this model. CIWP and the City are active partners in several of our service areas, including Community Integration, Health Maintenance, and Social/Interpersonal Skills Development. Centennial Park, including the John Wells Youth Center is a base of operations from which we can effectively partner to promote those service areas. Improvements to the Park that enhance and expand the availability and accessibility to programs are of benefit to both of our organizations, to our clients in particular, and to the Madera community at large. I believe that the City is a good steward of any resources that may be made available and am therefore enthusiastic about offering this letter of support for the project.

If you wish to discuss this letter of support in more depth, I can be reached at (559) 673-5174.

Sincerely,

Sherri Arrington – Director, CIWP Madera and Fleet Services

KINGS VIEW

SKILLS4SUCCESS
701 East 5th Street, Madera, California 93638
Phone: (559) 673-0167 FAX: (559) 675-3827

June 22, 2016

To Whom It May Concern:

It is my honor to offer this letter of support for The City of Madera Parks and Community Services Department application for funding from the Community Development Block Grant (CDBG) for Centennial Park rehabilitation and lighting project.

The City of Madera's grant application for the rehabilitation of Centennial Park and lighting project is a needed amenity in the area. Centennial Park is utilized by low income residents and provides quality green space and recreation activities/programs for Madera families. Skills4Success partners with the City to offer specialized college and career ready programs for teens and young adults that aspire to receive higher education and vocational training. Centennial Park is the home base for Skills 4 Success and any improvements at the center and its surrounding that benefits Skills 4 Success clients is welcome.

As a supporter of the community, the city and Centennial Park, I hope you accept this letter of support. Rehabilitation of Centennial Park and Lighting of the park would be of immense value to the youth and residents of the community. I am available for further contact at (559) 675-0105. Thank you.

Sincerely,

Eugene Bell
Executive Director
Kings View Skills 4 Success
701 E. 5th Street
Madera, CA 93638

Madera Special Needs Sports And Recreation

June 22, 2016

To whom it may concern:

Madera Special Needs Sports & Recreation (MSNSR) is a 501c3 Non-Profit organization. created in 2014 by a group of parents that have children with developmental & or physical disabilities. Our mission is to encourage the formation of recreational activities/sports programs that will meet the needs of individuals with special needs. We educate, motivate and encourage individuals with a developmental & or physical disability to participate in sports/recreation programs in an environment that is adapted to the level of ability of the participating athletes. In addition, our focus is to integrate individuals with disabilities with individuals without disabilities in order to promote awareness of challenges, to encourage team building, to educate the general public about disability sports, and to promote societal awareness of the challenges and needs of individuals who have developmental and physical disabilities.

MSNSR is proud of our partnership with the City of Madera Parks & Community Services and we are happy to provide this letter in support of the proposed Centennial Park Rehabilitation and Lighting Project. Past improvements at Centennial Park have greatly benefitted the population we represent but there are still problems that need to be addressed in order to make the park and its amenities truly inclusive. The proposed rehabilitation plan specifically addresses accessibility issues that are critically important to our clients and the improvements and addition of lighting will enhance accessibility in the evening hours. With the construction of the inclusive playground currently underway and the funding for the Rehabilitation Project in place, Centennial Park can become a model for accessibility for the community.

We look forward to being a community resource and offering our perspective and ideas as this worthy project is brought to completion. If you require further information I can be reached at 559-871-4069.

Sincerely,

Fernando Santoya
President, MSNSR

Return to Worksheet

TAB 8

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: ___Fire Station No. 6 Emergency Generator_____

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

The existing 25-30 year-old generator is inadequate to fully function in the event of a power outage. This activity replaces the existing generator with a new generator. The requested about is $25,000.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

This activity falls within the Capital Projects/Public Improvements costs category.

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Equipment cost.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

HUD's approval of the 2016/2017 Action Plan.

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go no further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.

National Objective: Low/Moderate Area Benefit
Category: Equipment

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Documentation consistent with the City's approved Purchasing Policy.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Not applicable.

WORKSHEET COMPLETED BY:

Jorge Rojas

(Name)

Program Manager - Grants

(Title)

June 23, 2016

(Date)

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PROJECT PROPOSAL FORM
2016/2017

DATE SUBMITTED: _____

A. GENERAL INFORMATION

1. Name of Department/Organization: Madera City Fire Department

   Address: 200 South Schnoor Avenue, Madera, Ca. 93638

   Contact Person: James Forga BC Phone: 559-232-9605

   Concurrence: James Forga
   Department Head Signature/Authorizing Official

B. ACTIVITY DESCRIPTION

1. Summary (Description of proposed project and anticipated accomplishment. If appropriate, include diagram of the area.):

   Madera City Fire will purchase a new emergency generator for Fire Station #6.

2. Need (Explain why project is needed.):

   The new emergency generator will be a benefit to the area identified for a number of reasons, specifically to assure response to emergency incidents in the event of a power failure in the area. The current emergency generator is roughly 25-30 years old and does not have the reliability that is needed to still power the fire station once power is lost. When commercial power is lost, the fire personnel have to rely on emergency back-up power to function and respond to emergency incidents. The emergency generator will power the entire fire station; therefore it will not hamper our response and serve the citizens of the communities identified.

3. Estimated cost of project and source of estimate (if available):

   $25,000

   Please identify other sources of funds to implement this project. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.

No other sources of funds are proposed to implement this project.

4. Timetable (assuming final approval next July 1). Will your proposal meet these goals in one year? Give starting date for activity.

   The anticipated goal for the emergency generator to be in service is November 2016.

5. What measureable goals will your program deliver?

   Delivery of the emergency generator and placing in service for critical infrastructure at the Fire Station #6.

6. What are the project's expected outcomes? How are the outcomes assessed?

   The ability to continue operating when electrical power is lost is the project's expected outcome.

7. What National Objective does your program meet?

   L/M Income Area Benefit

8. How does your proposal support the Vision Plan Madera 2025 Action Plan?

   Enhances the ability of the fire department personnel to respond to emergency incidents in the event of a power outage in the area.

   This proposal supports the Vision Plan Madera 2025 Action Plan Strategy as follows:

   Strategy 421: First Response Emergency Services: Ensure the safety and protection of Madera and its community members through adequate first response to emergencies. Mantian sufficient resources to expand protection as the community grow.

C. ENVIRONMENTAL IMPACTS:

1. Historical:

   a. How old is the affected structure?

      N/A

   b. Will this project affect an historically significant (or potentially historic) structure?

      N/A

2. Archeological:

a. Will this project involve any ground disturbance?

No

b. If so, how deep will excavation be and what is the volume of earth to be moved?

3. Water:

a. Does this project involve a sewer or water system?

No

D. PROGRAM ELIGIBILITY:

To be eligible for funding, a project must either benefit low and moderate-income persons or prevent/eliminate slums or blight. Indicate how the proposed project meets this requirement. Projects that primarily benefit handicapped or senior citizens meet the criteria for benefiting low and moderate-income persons.

1. Primarily benefits low and moderate-income persons.

a. Service Area:

Census Tracts 6.02, 6.03, 6.04, 8.00 and 9.00

Number of City residents served annually: 63,000 +/-

2. How will the proposed project prevent or eliminate slums or blight?

N/A

E. CITIZEN PARTICIPATION:

Project proposals should include evidence of citizen support for activity.

1. What was done to receive public input/participation? Please provide details. What were the outcomes? Include documentation of support for the proposal such as meeting minutes, letters and petitions.

Input was received during three public input meetings held March 8, 10 and 11, 2016. Please see the attached meeting minutes.

2. Note complaints that have been received, etc.

   None at this time.

3. Evidence of collaboration with other agencies within the community.

   The Fire Department collaborates with County and Regional fire departments and first responders.

RETURN AN ORIGINAL AND TWO COPIES TO:	City of Madera 205 West Fourth Street Madera, CA 93637 Attention: CDBG Administration
DUE DATE:	**June 23, 2016; 5:00 p.m.**
CONTACT PERSON:	Jorge Antonio Rojas, Program Manager – Grants 559-661-3693 jrojas@cityofmadera.com

Community Development Block Grant
2015/2019 Consolidated Plan First Amendment and
2016/2017 Action Plan Input Meeting
Frank Bergon Senior Center
March 8, 2016

The meeting began at approximately 5:40 p.m. Mr. Rojas introduced himself and asked the persons attending to do the same. Mark Colley stated he's for the Madera Coalition for Community Justice (MCCJ), Sonia Hall, Tim Przybyla, City of Madera, Finance Director and James Forga, City of Madera, CalFire, Battalion Chief. Mr. Rojas stated the meeting is an input meeting to consider the first amendment to the 2015/2019 Consolidated Plan and for the 2016/2017 Action Plan. He stated the meeting is recorded and transcribed. He noted there was no need for Spanish translation.

Mr. Rojas presented the PowerPoint Presentation. He introduced the final formula grant amount and the amount available by category. Mr. Rojas stated the first slide shows the final formula grant amount of $834,853. He stated the amount (20% maximum) for Administration is $166,970, $125,227 (15% maximum) for Public Services and $542,656 plus unprogrammed funds in the amount of $13,000 for a total of $555,656 available for Capital Projects/Public Improvements.

Mr. Rojas stated the use of CDBG funds must be consistent with the National Objectives. He presented a slide listing the three National Objectives. His next slide provided a list of eligible uses. Mr. Rojas stated the use of funds must be consistent with the Consolidated Plan. He stated the amendment process is underway and sometimes it could impact our ability to submit the plan by the due date. His next slides presented the priorities and goals. He stated the amendment process includes cleaning up and streamlining the goals and obtaining public input. Mr. Rojas presented the current list of priorities. He presented a map depicting eligible Census Tracts. Mr. Rojas pointed out the important dates to submit applications and for the Review and Advisory Committee and City Council. Mr. Przybyla asked if the dates were pertaining to the 2016/2017 Action Plan. Mr. Rojas stated they pertained to both the amendment and the Action Plan.

Using the PowerPoint Presentation, Mr. Rojas provided examples of previous CDBG-funded activities. Mr. Przybyla asked about the Southeast Madera Curb, Gutter, Sidewalk and Streetlights improvements. He asked if it was because the sidewalks were torn up by trees. Mr. Rojas stated it was in a neighborhood without sidewalks and the improvements. Ms. Hall stated in CDBG areas these types of projects are eligible. She stated they like to look at areas that don't have these improvements and put them in. Mr. Rojas stated the improvements around Washington School provided sidewalks because sidewalks were not present. He continued to present improvements funded with CDBG. Mr. Rojas concluded his presentation and ask if there were questions.

Mr. Colley asked to go over the dates. Mr. Rojas presented him with a flyer and stated the dates. Mr. Przybyla said it was interesting to see a lot of capital projects done in the past and asked what year it switched over to funding Code Enforcement. Mr. Rojas stated around 2000. Ms.

Hall stated about 10 or 12 years ago. Mr. Przybyla observed the projects Mr. Rojas presented were all before 2002. Ms. Hall stated once Code Enforcement came on no more capital projects were funded. Mr. Przybyla stated they looked like good projects, and Ms. Hall agreed.

Ms. Hall stated we should look at public safety projects, particularly fire and equipment. Ms. Hall asked Chief Forga why fire equipment is needed. Chief Forga stated it's needed to enhance the emergency services in the area, and it's an older type neighborhood and the engine has a shorter wheel base and this allows for accessibility into alleyways whereas the newer side of town doesn't have the alleyway problem. It would have more pumping capacity; there are a lot of older, wood-framed homes that go up fast. It would have a good water system. The existing engine is about 17 years old, and it's time to get a new and improved engine. And the old one becomes a back up, there's only one back up in the city.

Mr. Przybyla confirmed they would keep the older engine, and he mentioned he heard about driveway problems and if the station with the driveway problems is where the new engine will be. Chief Forga stated the problem is around the training facility and it's a safety hazard and interferes with their ability to train. Ms. Hall stated it's rough on the vehicle. Mr. Przybyla asked if an estimate was obtained. Chief Forga stated he check with Mr. Helmuth because an estimate was provided earlier for Station 6.

Ms. Hall stated it's important to tighten up the goals in the present Consolidated Plan, we have a lot of goals and we need to focus on around four or five goals for the next five years and a lot of the housing goals can be brought in together into one goal. Mr. Rojas stated the goals need to match up with our needs and we have a lot of rehab needs identified. Ms. Hall agreed. She stated a lot of the homes don't have heaters, A/C, they have plumbing problems and some are sinking, we have a lot of issues with rehab and we don't have enough funds to address all of the needs. Also, she noted we don't address energy efficiency around the city and it's something we can address for water and lighting. Mr. Rojas stated there's a need for Special Needs programs.

Mr. Przybyla asked how will those changes be recommended for the Consolidated Plan and is that something we discuss in these meetings. Ms. Hall stated that's something we discuss now. She stated the things that are missing fire, as well as energy efficient and programs for youth and adult special needs. Mr. Przybyla asked about consolidating a lot of the rehab needs. Ms. Hall stated it can all be consolidated into housing programs. Chief Forga asked about the meetings and for clarification about making the presentation. Ms. Hall stated the application he was doing was from the former Consolidated Plan. Mr. Rojas stated it's the same format. Ms. Hall stated we are going to have the new goals that the applicants need to address their projects to. Chief Forga stated he looked at a website from a counterpart and another city obtained two engines using this program. He asked if need to do any more research. Ms. Hall stated she obtained an application from Hanford, Lemoore and Wasco. She wanted to have enough back up to take to

HUD to show it's an eligible project. There being no further discussion, Mr. Rojas adjourned the meeting at 6:02 p.m.

Community Development Block Grant
2015/2019 Consolidated Plan First Amendment and
2016/2017 Action Plan Input Meeting
City Hall Conference Room
March 10, 2016

The meeting began at approximately 3:05 p.m. Mr. Rojas introduced himself. He stated today is an input meeting for the 2016/2017 Action Plan and, also, for the first amendment to the 2015/2019 Consolidated Plan. Mr. Rojas stated the meeting is recorded and it appears no one needs Spanish translation. He asked the persons attending to introduce themselves. Gail Lopez stated she with Madera County Workforce Investment Corporation, Patricia Barboza stated she's with the City of Madera's Finance Department, and James Forga stated he's with CalFire and City of Madera Battalion Chief.

Mr. Rojas presented the PowerPoint Presentation. He introduced the final formula grant amount and the amount available by category. Mr. Rojas stated the first slide shows the final formula grant amount of $834,853. He stated the amount (20% maximum) for Administration is $166,970. He stated from this category activities to address homelessness, in the past the Madera ADA Advisory Council and Planning studies. He stated there is $125,227 (15% maximum) for Public Services. This category funds activities for seniors, workforce training and local non-profit youth services (Madera Coalition for Community Justice). He stated the balance $542,656 plus unprogrammed funds in the amount of $13,000 for a total of $555,656 available for Capital Projects/Public Improvements.

Mr. Rojas stated the use of CDBG funds must be consistent with the National Objectives. He presented a slide listing the three National Objectives. His next slide provided a list of eligible uses. Mr. Rojas stated the use of funds must be consistent with the Consolidated Plan. His next slides presented the priorities and goals. He identified the funding categories for activities such as fair housing, homeowner assistance with rehabilitation and modernization. Mr. Rojas presented the existing priorities. He described the various priorities. Mr. Rojas presented a map depicting eligible Census Tracts. Mr. Rojas pointed out the important dates to submit applications and for the Review and Advisory Committee and City Council.

Using the PowerPoint Presentation, Mr. Rojas provided examples of previous CDBG-funded activities. In one example, Chief Forga asked if the Small Business Loan assistance created a job for the business or for the person that made the branding. Mr. Rojas stated it was for the business. He concluded the presentation and opened a new presentation to discuss the amendment to the Consolidated Plan. Mr. Rojas stated the City became an entitlement jurisdiction in 1994, and we don't have to compete for the funds. He stated the U.S. Department of Housing and Urban Development requires each entitlement jurisdiction to have a Consolidated Plan. He stated it's a strategy to guide expenditure of CDBG funds for the improvement of the quality of life for low and moderate income residents. Mr. Rojas provided some examples of eligible funding such as housing, infrastructure, public facilities and fire stations. He stated the amendment is to include in the Consolidated Plan activities to fund fire equipment, energy efficiency and services for adult and youth special needs.

Mr. Rojas stated the overall goals and presented the Strategic Plan's priority needs and ranking. He stated the ranking resulted from a total of 187 surveys collected when the existing Consolidated Plan was drafted last year. Mr. Rojas stated the Annual Action Plan proposals

must be identified in the Consolidated Plan. His presentation included a slide to provide the final formula allocation and the amounts by category. (See paragraph 2 above.) He stated there's a need to narrow down our priorities and it's important to combine and streamline them. Mr. Rojas stated it's important to fund activities that are in line with our identified needs. He stated activities benefiting homeless persons or households or housing rehabilitation are some of our identified needs. Mr. Rojas stated funded activities must identify measureable outcomes, and that attendance is not a measureable outcome. He stated there's a need to identify what the participant is like going into the program and how they exit the program. Mr. Rojas stated pre- and post-testing is one way to document measureable outcomes, also the number of youth furthering their education or the number of persons learning a new skill. He provided an example of a Rating and Ranking tool. This tool or a similar tool would be used by the CDBG Review and Advisory Committee. Mr. Rojas described the rating categories such as how an application provides a summary that is complete, accurate, clear and concise, how any environmental impacts are stated, proposed project beneficiaries, and evidence of citizen participation. The rating is also concerned with the physical aspects of Madera's growth in line with the Vision Madera 2025 statements. His next slide presented important dates for the process. Mr. Rojas concluded his presentation and opened up the meeting for questions about the amendment or otherwise.

Chief Forga asked how the Review and Advisory Committee is composed. Mr. Rojas stated each Council member and Mayor appoints one person. Chief Forga asked if they were private citizens. Mr. Rojas stated they were.

Ms. Barboza asked for clarification about which fiscal year is involved with the Action Plan. Mr. Rojas stated it is for 2016/2017. Ms. Lopez asked if the application is due March 25. Mr. Rojas stated yes. He stated the application needs to include outcomes. Ms. Lopez asked if participants are attending school is we want to see that information.

Ms. Barboza asked if the last time for the Senior Services program is 2016/2107. Mr. Rojas stated that was his understanding. Ms. Barboza pointed out the amount available for Public Services less the amount allocated for Senior Services in 2015/2016 leave approximately $33,000 for other Public Services activities. Mr. Rojas confirmed her estimate.

Mr. Rojas stated for Capital Projects we need to include amendments to the Consolidated Plan to fund projects on the table. He asked Chief Forga to talk about the projects. Chief Forga stated the project is a paving project at the Lake Street training facility to help train our firefighters. He stated it would also help the County because they train there. Mr. Rojas stated the improvements

would help with the use of the facility for tour groups. Chief Forga stated a generator for the facility is one potential in case there's a need to use the station as an emergency shelter. He stated the existing generator isn't sufficient to meet the power needed for an emergency shelter. He stated they hold preschool, school and home school tours in the parking lot. Chief Forga stated there's a need to secure the facility with a chain link fence. He stated there's a need to secure the facility. Presently, the access gate is manual. There is also a need for rotating lights to alert pedestrians and traffic. Chief Forga stated it's a safety issue for pedestrians. Mr. Rojas referred to Table 4 in the Consolidated Plan. This table outlines the needs ratings for general topic areas. One of the needs identified in the table is "Improving city facilities providing public services (Police/First Stations, Parks, Libraries)."

Ms. Barboza asked about subsidizing transportation. Presently, the fare is .75 and the County is $2, and there's talk of introducing a transfer, and the City is losing money. Ms. Barboza asked is this can be consider for fund as a Public Service. Mr. Rojas stated he would have to ask the CDBG representative. Mr. Rojas described how in the past, there was a proposal to use CDBG funds to build the Skate Park. He stated how a study was required to document potential users and their income. There was also a need to document if a fee was required, and then it would have to be the same fee for all potential users. Mr. Rojas stated CDBG funds were not used for the Skate Park. He mentioned Ms. Barboza's proposal may have to be addressed along the same lines. Ms. Barboza stated the bus users are low income, seniors or persons with a health condition. She stated a fee increase to match the County, even $1 is $2 round trip, and this may be a hardship for the passengers. Chief Forga asked if the system is losing money. Ms. Barboza stated there's a grant, yet it's not an on-going grant. She stated without the grant, it is going to lose money. Ms. Barboza stated a lot of passengers use the transit. Mr. Rojas stated the Madera County Workforce Investment Corporation buys tickets for their clients. Ms. Lopez stated they buy tickets for clients attending Madera Adult School. Ms. Barboza stated the City is generous with the .75 fare, yet because of the County portion it needs to be increased. She stated there's a gap that needs to be addressed.

Mr. Rojas stated alternate forms of transportation are some possibilities. He said one approach we were asked to consider is cars available to rent by the hour. Ms. Lopez asked if it was something like Uber. Chief Forga stated it is similar to a fleet of vehicles available for rent by the hour. Mr. Rojas stated the companies involved need a location to park the cars. Chief Forga stated there are strategic locations where the vehicles are parked. Ms. Barboza stated Wal-Mart is generous and they have a big parking lot. She stated there is a Park and Ride Lot on Hwy. 41 and Hwy. 145. Mr. Rojas stated another option is to have bicycles available to use on a good-faith basis.

Mr. Rojas asked if anyone had any additional questions or if there was a need for continued discussion. There being none, Mr. Rojas adjourned the meeting at 3:37 p.m.

Community Development Block Grant
2015/2019 First Consolidated Plan Amendment and
2016/2017 Action Plan Input Meeting
Lake Street Fire Station
March 11, 2016

The meeting began at approximately 5:40 p.m. Mr. Rojas introduced himself. He asked those attending to introduce themselves. Gilbert Servin stated he's with Pequeños Empresarios, a local group to mentor children for successful schooling. He stated the idea is they can be entrepreneurs, and that's what Empresarios means. Maria Vargas and Leonora Hipolito stated they are also with the same program. Halley Crumb stated she's with Retraining the Village and works with homeless individuals and veterans aging out of the homeless shelter. She helps them with jobs, housing readiness and clean and sober living. They receive educational training from local non profits, job training in construction and she would like to introduce web development here. She works to educate and stabilize the finances of people who want help from drugs and alcohol. Gale Watts stated she's with Retraining the Village. Elizabeth Wisener stated she's with the Community Action Partnership of Madera County. She stated they apply for CDBG funds for several years and use the funds to be part of the membership of the Fresno/Madera Continuum of Care. This is a group of 22 service providers that work to improve the services to the homeless in this area and they also oversee the Madera County Homeless Coalition. Battalion Chief Mike Surber stated he's representing the City's request for funds for a new fire engine and repairs to the Lake Street Fire Station.

He stated today is an input meeting for the 2016/2017 Action Plan and, also, for the first amendment to the 2015/2019 Consolidated Plan. Mr. Rojas stated the meeting is to gain input from the public how to amend our Consolidated Plan. He stated the Plan is required by HUD for the use of CDBG funds and every entitlement jurisdiction needs to have one. Mr. Rojas stated we are in the process of amending the Consolidated Plan to include activities such as improving the fire station, obtaining a fire engine, special needs programs for youth and adults and energy efficiency. He stated we are also obtaining input for the 2016/2017 Action Plan, the next program year starting July 1, 2016 to June 30, 2017.

He provided the final formula grant amount and the amount available by category. Mr. Rojas stated the final formula grant amount is $834,853. He stated the amount (20% maximum) for Administration is $166,970. He stated this category funds activities to address homelessness, in the past the Madera ADA Advisory Council and Planning studies. He stated there is $125,227 (15% maximum) for Public Services. This category funds activities for seniors, workforce training and local non-profit youth services (Madera Coalition for Community Justice). He stated the balance $542,656 plus unprogrammed funds in the amount of $13,000 for a total of $555,656 available for Capital Projects/Public Improvements. He stated funds from this category would apply to projects such as the fire engine, improvements to the fire station or any other capital projects.

Mr. Servin asked historically how many organizations have been funded in the past or two or three years under Public Services. Mr. Rojas stated three to four. Ms. Crumb asked what amount of the additional $13,000 and the $166,970 is available for homeless housing. Mr. Rojas

stated it depends on what the City Council wants to allocate toward those programs. He stated allocations within all of the categories are determined by what the City Council wants to allocate.

Mr. Rojas stated before the applications are presented to the City Council, the applications are presented to the CDBG Review and Advisory Committee. He stated the Committee consists of seven members from the community appointed by each Council member and the Mayor. The Committee hears from the applicants and makes tentative allocations. The allocations are then presented to the City Council during two meetings. Mr. Rojas stated the applications are due March 25, April 5 is the Review and Advisory Committee meeting at 5:30 p.m. and applicants need to be present; April 20 is the first City Council meeting followed by a 30-day review period. The final approval with the City Council is May 18. Mr. Rojas stated it's a good idea to be at all three meetings.

Mr. Rojas stated the use of CDBG funds must be consistent with the Consolidated Plan and the National Objectives. He stated there are priority needs in the Consolidated Plan. Mr. Rojas asked the group to discuss their applications. Mr. Servin stated they plan to expand the project, perhaps increase the ages of the children they mentor. Eventually, their goal is to go through high school. In this way they can assists the students not only through the mentoring process, but also by making sure they do their homework and become good students and citizens. Ms. Crumb stated her proposal is a collaborate effort for the homeless population, not only in Madera, but also in the greater San Francisco Bay Area. She stated it's collaboration with the shelters, the Mission and the Coalition for Homelessness. Ms. Crumb stated she would like to have City leaders, the police and do a HOT Team meeting. She's on the board, and what they do is a collaboration of people from the shelter, from HUD, social work, health agencies and they sit down and speak about individuals who are in immediate need of a housing voucher, placement and track them through case management to see if they obtained a job and how far along they've come and provide them an emergency housing voucher and they have to look for housing. She stated it expedites the process. Mr. Rojas asked what HOT means. Ms. Crumb stated it's through HIMS. It stands for Housing Opportunity Team. They have outreach teams through one of the agencies, and they go out and find the people. Mr. Rojas asked if the agencies are local. Ms. Crumb stated they are in San Mateo County. Mr. Rojas stated the City's funds are only for activities within the city limits. She stated the house here in Madera is where she wants to initiate the same type of meeting, and then they'll know who the homeless are in Madera, and they can do the service and keep track of their immediate needs. Mr. Rojas asked what Ms. Crumb meant about starting the same type of meeting in Madera. Ms. Crumb said she wants to initiate the same type of meeting in Madera. She stated they would come together to collaborate. Mr. Rojas stated there a meeting in place already in Madera. Ms. Crumb stated she would like to be a part of it. Mr. Rojas asked Ms. Wisener to describe the Madera Homeless Coalition. Ms. Wisener stated the Homeless Coalition meets quarterly. She stated it's a group of 10 to 15 that attend made up of different entities in Madera. Ms. Wisener invited Ms. Crumb to attend. Ms. Wisener stated they do a once-a-year homeless count mandated by HUD. She stated the last

homeless count was in January. Ms. Wisener stated HUD mandates that we are part of a Continuum of Care, and Madera is not large enough to have its own Continuum of Care, so that's why we are part of the Fresno/Madera Continuum of Care. The homeless count was done for Fresno and Madera. They physically counted 1,400 homeless people with about 200 in

Madera. She stated it's a small need, and more housing programs for men are needed because 80 percent are men and 20 percent are women. Ms. Wisener stated there's a Permanent Supportive Housing project for women, and we don't have one for men. Chief Surber asked if the count was for the two counties or the two cities. Ms. Wisener stated the County had a team in Oakhurst and she didn't know how many were up there. She stated there was a Madera team that went out into the City's districts; each team had a district to cover. The survey was all done on a phone and it's web based. She stated in the past it was done on paper, and the teams would report the number of homeless by district. Ms. Wisener stated the results are not available, yet she estimates 200 are within the City of Madera. She mentioned the year before there were approximately 170 in the City of Madera, and the rest in the County. Ms. Crumb stated she participated in the homeless census for Menlo Park, and they partnered with a homeless person from the shelter and they know where the homeless hang out. She said one of the programs she would like to establish is the Homeless Homes. Ms. Crumb stated when a homeless person helps another homeless person that this builds upon itself. Ms Watts asked Ms. Crumb if it would be easy for Mrs. Wisener to place men in Ms. Crumb's house. Ms. Wisener stated the greater need is for men, she mentioned the Rescue Mission does good work and if it wasn't for them there would be no services for men. She stated there's a need for permanent supportive housing for men. Ms. Crumb stated she has done her research and any one of us can be homeless at any given time. Ms. Watts asked if Ms. Crumb's house would provide housing for two years. Ms. Crumb stated it's permanent supportive housing, and they would have to do the intake process and a case plan management. She likes the men to do their own case plan management. This helps them to meet their milestones within the first six months. Ms. Crumb stated the permanent housing would provide them with a HUD voucher.

Mr. Rojas asked Chief Surber to discuss the fire department's needs. Chief Surber stated the needs are to address the aging fleet of front-line fire engines. He stated there's one reserve and two front-line engines and they rely on the one reserve any time they have a mechanical failure. Chief Surber stated its pretty often as the age of the fire engines increases. He stated switching to the one reserve and if it goes down, then the City doesn't have the necessary response. Chief Surber stated there's a need to address urban development, the alley ways and confined areas. He stated engines with a newer design would be a way to address these needs and be better able to provide service to the public. He also stated fire departments are mandated to maintain entry-level and continuous training. Chief Surber stated it's a minimum of 200 hours to provide entry-level training just to get someone on the fire engine. He stated the training facility is deteriorating and it's the original asphalt. During trainings there are four to five fire engines parked on the asphalt and this is collapsing the asphalt. He stated before doing a major rebuild

of the facility redoing the asphalt and getting it into a better condition so it and the fire engines are not damaged and provide a safer environment for the training. He stated there are daily and monthly drills. Yearly, three weeks of drills are conducted with fire in the tower and 20 to 30 firefighters rotating in. He stated the station is instrumental to all of the staff and they want to provide the best training because the training translates into what they provide to the public.

Mr. Rojas provided a summary of the dates and asked if everyone had the application. There being no further discussion, the meeting adjourned at 6:10 p.m.

TAB 9

Return to Worksheet

CITY OF MADERA
COMMUNITY DEVELOPMENT
BLOCK GRANT

PROPOSED ACTIVITY WORKSHEET

ACTIVITY NAME: ___Solar Powered LED Street Lights_____

DESCRIPTION:

Describe what the activity will be in support of the Consolidated Plan and 2025 Vision Plan, how and when it will be accomplished as well as the proposed budget.

This activity supported by in the Consolidated Plan as follows:

Priority Rank	Specific Need	Average Rating	High Need (Percentage)	Need Category
4	Street Improvements	2.63	70.2%	Infrastructure & Neighborhood Improvements

It supports the 2020 Vision Plan as follows:

Strategy 431: Alternative Energy Use: Develop a City plan to promote both governmental and citizen use of alternative sources of energy.

STEP 1: ELIGIBILITY

A. Eligible Activity List

Determine if the activity falls within one or more of the categories listed among the basic eligible activities. If so, name the category. Otherwise stop. Go no further in qualifying the activity.

This activity falls within the Capital Projects/Public Improvements costs category.

B. Examples of Allowable Costs

Determine if the use of CDBG funds relates to one or more examples contained in the HUD Guide. If so, specify the allowable costs.

Environmental review compliance, Davis-Bacon prevailing wages, if applicable; salaries and benefits to draft scope of work, inspect and monitor compliance, construction inspections, material/equipment and infrastructure costs.

C. Additional Considerations

If necessary, note that the activity is subject to additional considerations and describe those circumstances.

Obtain environmental review approval.

A. Ineligible Activity Review

Determine if the activity falls within one or more of the categories of prohibited activities. If so, name the category. Otherwise stop and go no further.

Not applicable.

B. Further Considerations

If any doubt exists about the above conclusion, engage in further consultation with local and Federal officials. Record the outcome of the consultations.

Not applicable.

STEP 3: NATIONAL OBJECTIVES

A. Determine if the activity meets the criteria for one or more of the national objectives. If so, name both the category of national objective and the criterion that it satisfies. Otherwise, stop and go no further.

National Objective: Low/Moderate Area Benefit
Category: Improvements to Public Infrastructure

B. Records to be Maintained

Describe the records to be maintained that document compliance with the above national objective per one of the criteria. Place those records in the file accompanying this Worksheet.

Environmental review record and, if applicable, Request for Proposal, bid proposals, Prevailing Wage Rates and Certifications, employee field interviews and observations, payroll records and certified payroll, contractor and subcontractor certifications and non-debarment status.

OTHER FEDERAL REQUIREMENTS

List the other Federal requirements that are applicable to this proposal and will necessarily be addressed in the future.

Not applicable.

WORKSHEET COMPLETED BY:

(Name)

Program Manager - Grants

(Title)

June 23, 2016

(Date)

CITY OF MADERA
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)
PROJECT PROPOSAL FORM
2016/2017

DATE SUBMITTED: June 23, 2016

A. GENERAL INFORMATION

1. Name of Department/Organization: City of Madera, Public Works Department

   Address: 1030 South Gateway Dr., Madera, CA. 93637

   Contact Person: Philip Johnson Phone: 559-474-5490

   Concurrence: _____
   Department Head Signature/Authorizing Official

B. ACTIVITY DESCRIPTION

1. **Summary:**

Public Works is seeking funding in order to provide for the purchase and installation of solar powered street lights with LED efficient street lamps in low income and high crime areas within the City of Madera. The project will occur within CDBG Census Tracts 5.02, 6.01, 6.02, 8 and 9 within those neighborhoods that do not have street lights as part of their current infrastructure and do not have readily accessible points of electrical service to install normal street lights. These street lights will be installed approximately 400 feet apart from each other, whereas typical spacing in 180-220 feet apart, in order to affect a larger area and provide lighting to more areas. Lighting in these areas would be a deterrent to crime and provide safety to pedestrians and motorists that traverse through these areas.

2. **Need:**

These lower income neighborhoods continue to suffer from a higher rate of crime and graffiti relative to the rest of the City. The installation of these lights would aid as a deterrent to crime and provide an elevated sense of security that positively affects property values. These are older neighborhoods that were developed before there was a consistent city standard for placing street lights. The substandard street lighting condition of these areas needs to be brought up to the same level as afforded to other areas within the City of Madera to help counter act deterioration in the areas and protect people and property values.

The effect of this street lighting project is threefold, it:

1. Decreases the conditions of blight,
2. Offers safety and security for families residing there, and
3. Raises the quality of life by strengthening Madera's neighborhood image.

3. **Estimated cost of project and source of estimate (if available):**
The cost to complete this project is estimated at $100,000

Please identify other sources of funds to implement this project. If funds other than CDBG are proposed, please provide supporting documentation/letters of commitment.
None

4. **Timetable (assuming final approval next July 1). Will your proposal meet these goals in one year? Give starting date for activity.**
The project would begin July 1st and be completed within the FY 2016/2017 year. Additionally, the project is expected to meet the goals and outcomes listed below.

5. **What measureable goals will your program deliver?**
This project has very specific measurable goals in regards to the physical installation of ten to twelve solar street light poles within various CDBG tract neighborhoods.

6. **What are the projects expected outcomes? How are the outcomes assessed?**
The result of the additional illumination from street lights will help in creating a sense of security to the citizens that live within these areas and is a deterrent to crime. This project will affect a sense of security, strengthening the area's image and potentially reducing crime. Additionally, the project will provide safety to the public and safety personal such as Police and Fire that may have to enter such areas to deal with problems that the lack of street lighting may add to. It is expected to cut down on graffiti and vandalism in the areas as well.

7. **What National Objective does your program meet?**
Eliminating slums and blight; preventing deterioration of property; and providing needed neighborhood community facilities, principally for persons of low and moderate income.

- Eliminating conditions which are detrimental to health, safety and public welfare through rehabilitation of street lights.

- Eliminating slums and blight; preventing deterioration of property; and providing needed neighborhood community facilities, principally for persons of low and moderate income.

8. How does your proposal support the Vision Plan Madera 2025 Action Plan?

C. ENVIRONMENTAL IMPACTS:

1. **Historical:**
   a. *How old is the affected structure?* There are no affected structures with this project as the infrastructure currently does not exist.

b. *Will this project affect a historically significant (or potentially historic) structure?* No

2. **Archeological:**

a. *Will this project involve any ground disturbance?* Yes. Minor ground disturbance with the installation of bases for the poles will take place.

b. *If so, how deep will excavation be and what is the volume of earth to be moved?* The excavation could go 6 feet deep depending on the anchor bolds recommended by the manufacturer. Two cubic yards of earth at each pole will need to be removed, replaced and backfilled to City Standards

3. **Water:**

a. *Does this project involve a sewer or water system?* No

D. PROGRAM ELIGIBILITY:

To be eligible for funding, a project must either benefit low and moderate-income persons or prevent/eliminate slums or blight. Indicate how the proposed project meets this requirement. Projects that primarily benefit handicapped or senior citizens meet the criteria for benefiting low and moderate-income persons.

1. **Primarily benefits low and moderate-income persons.**

a. **Number of persons served annually**: In the proposed project areas there are approximately 150-200 housing units with an undetermined number of citizens and a City park that is heavily used. As a result, moderate traffic traverses through the area, making the number of people that will benefit from this project exponentially higher.

b. **Service Area**: The two areas being serviced currently fall within currently CDBG low income designated census tracts 5.02, 6.01, 6.02, 8 and 9.

Number of City residents served annually: Unknown

Number of persons with disabilities or seniors served: Unknown

2. **How will the proposed project prevent or eliminate slums or blight?**
These areas are known for having drug, graffiti, and prostitution activities. With the increased street lighting these activities will not be able to hide under the cover of darkness.

E. CITIZEN PARTICIPATION:

Project proposals should include evidence of citizen support for activity.

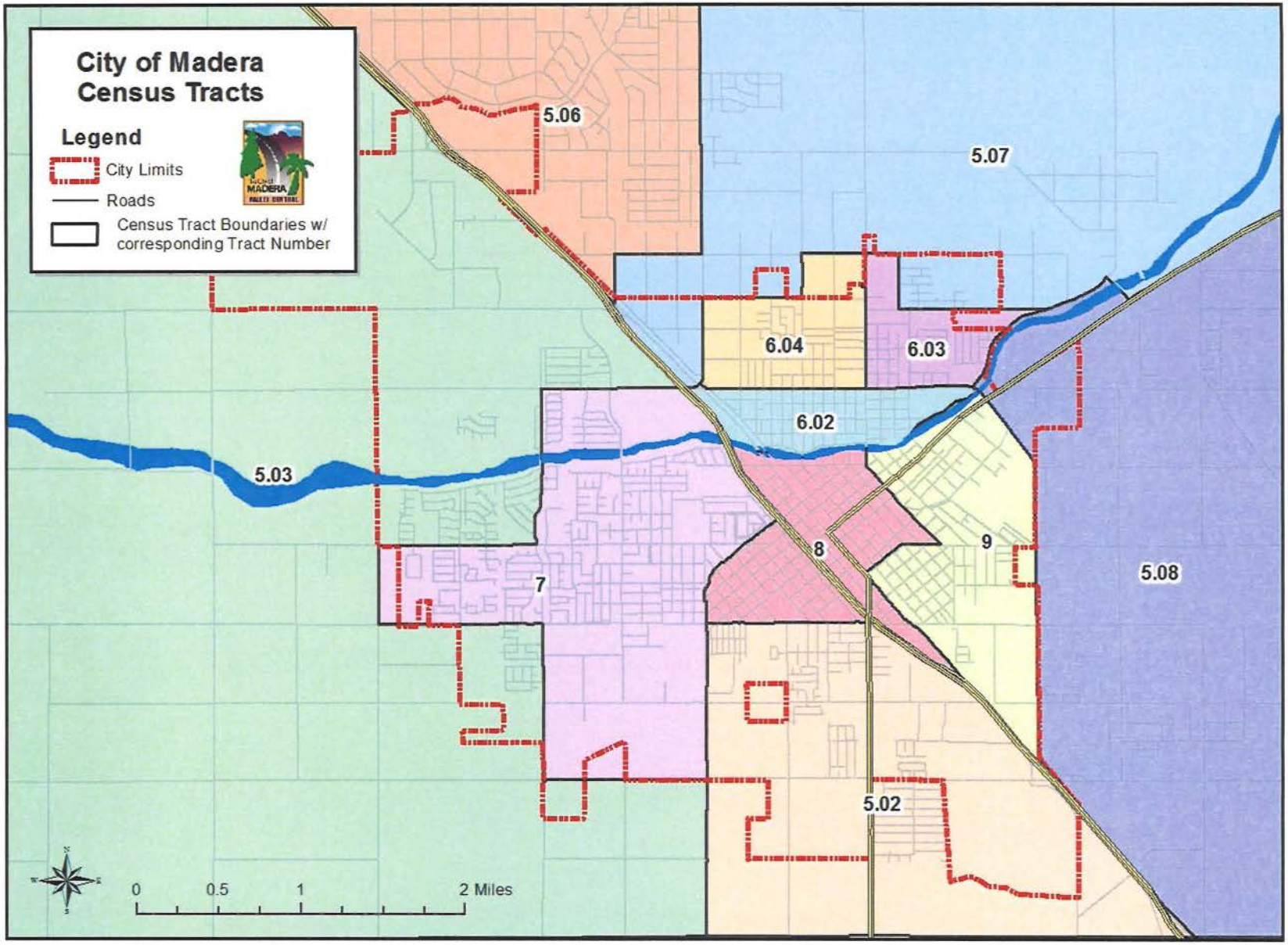
1. *What was done to receive public input/participation? Please provide details. What were the outcomes? Include documentation of support for the proposal such as meeting minutes, letters and petitions.*

2. *Note complaints that have been received, etc.*

3. *Evidence of collaboration with other agencies within the community.*

Please see the eligible CDBG Census Tract map below.

RETURN AN ORIGINAL AND TWO COPIES TO:	City of Madera 205 West Fourth Street Madera, CA 93637 Attention: CDBG Administration
DUE DATE:	**June 23, 2016, 5:00 p.m.**
CONTACT PERSON:	Jorge Antonio Rojas, Program Manager – Grants 559-661-3693 jrojas@cityofmadera.com


City of Madera
Census Tracts
Legend
City Limits
Roads
Census Tract Boundaries w/
corresponding Tract Number
5.06
5.07
6.04
6.03
6.02
5.03
8
9
7
5.08
5.02
0
0.5
1
2 Miles

Return to Agenda

REPORT TO CITY COUNCIL

Approved By:

City Engineer

City Administrator

Council Meeting of July 20, 2016
Agenda Item Number C-3

SUBJECT:

A. Consideration Of A Minute Order Approving Engineer's Report For City Wide Landscape And Lighting Assessment District Zones Of Benefit 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 For 2016/17 Fiscal Year

B. Consideration Of A Resolution Of Intention To Levy And Collect Annual Assessments For City Wide Landscape And Lighting Assessment District Zones Of Benefit 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 For Fiscal Year 2016/2017 And Setting Date For Public Hearing

RECOMMENDATION:

Staff recommends that the City Council take the following actions:

1. Approve the Engineer's Report as filed or with modifications as identified by the Council during this meeting.

   and

2. Adopt the Resolution of Intention to levy and collect proposed annual assessments for all City Wide Landscape and Lighting District Zones of Benefit referenced in the Engineer's Report for the Fiscal Year (FY) 2016/2017 and setting August 3, 2016 as the public hearing date to consider the Proposed FY 2016/2017 Assessments for City Wide Landscape and Lighting District Zones.

SUMMARY:

State law (Sections 22620-22631 of the Streets and Highway Code) requires the City to undertake proceedings for each Fiscal Year during which an assessment is to be levied and collected within its existing landscape assessment district. There are 80 active zones of benefit within the City Wide Landscape and Lighting District. A zone location map is attached in Exhibit "A".

As has been cited in previous years, staff anticipates several zones are currently generating assessment revenue that is below the amounts required to adequately pay for expenses. In order to resolve this situation, assessments should typically be increased in conformance with the requirements of both the Streets and Highway Code and Proposition 218 when applicable. The Council must first approve an Engineer's Report and then adopt a Notice of Intent to levy assessments. Along with the Notice of Intent, the Council will set a date for a public hearing/protest hearing where affected residents may be heard on the recommended assessments. The proposed date for this hearing is August 3, 2016.

Following the public hearing, the City Council may order changes in any of the matters addressed in the Engineer's Report subject to such changes not exceeding the limits of existing covenants. No changes are currently proposed as part of the Engineer's Report that will exceed these limits or trigger the need for a Proposition 218 Election in any zone. If, after the public hearing, Council still supports the assessments in the previously approved Engineer's report, the Council may adopt a resolution confirming the diagram and assessments. The adoption of that resolution will constitute the levy of an assessment for the FY 2016/2017.

DISCUSSION:

The assessments presented in this year's Engineer's Report reflect staff's recommendation to utilize the revenue and expense projections used in last year's Engineers Report (FY 2015/2016). This method is recommended to allow the Parks and Community Services Department ample time to collect meaningful data needed to establish an updated assessment for each zone based on current cost factors. The revenue in that FY 2015/2016 report included the results of Proposition 218 hearings conducted last summer wherein 23 zones voted to reject an increase in the assessments that were intended to cover actual or projected expenses of each zone. Four additional zones were pulled from the ballot process due to concerns identified by staff as a result of feedback from various property owners. The expenses included the anticipated cost of maintaining each zone by the Parks & Community Services Department rather than a private contractor.

Pursuant to Council direction, Parks took over direct maintenance functions for landscape maintenance zones at the beginning of FY 2015/2016. Internal staff (including new hires), replaced external contractors which had previously performed most of the maintenance work. During this initial transition year, Parks began to collect the data required to update the assessment structure to ensure that the actual costs are accurately being accounted for on a zone by zone basis. Additional information must be collected during the FY 2016/2017. Staff's preliminary review of the costs for maintaining each zone suggest that there may be meaningful fluctuations to assessments in multiple zones in the future to account for:

- What staff believes will be a more demand responsive method of providing maintenance as opposed to what the private contractors utilized which was a standard set of activities that occurred week in and week out regardless of need. This may result in greater effort in some zones and less in others.

- Addressing assessments in those zones where there were unsuccessful Proposition 218 Hearings.
- Other zones where Staff's 5 year projections already anticipated future Proposition 218 Hearings.

It is anticipated that the changes in assessment structure described above would be incorporated into the next Engineer's Report (FY 17/18). Some changes will trigger the need for 218 Elections. After that process occurs, staff anticipates that the City will move into more of a fine tuning stage on a year to year basis, though Proposition 218 hearings may continue to occur as some zones do not have the ability to utilize cost of living adjustments.

Factors Affecting the Assessment Calculation

There are several specific factors used in last year's Engineer's Report that continue to be reflected in the proposed FY 2016/2017 Engineer's Report. Examples of these factors include estimated operating and administrative expenses in each zone of benefit, along with recommended reserve amounts for cash flow and allowances for semi-regular expenses like tree trimming. Each of these factors plays a part in the proposed assessment and in prior years the Council has provided direction on how these factors should be addressed. A summary discussion of the various factors is included as Attachment A to this report. Of the various assessment factors, the transition from the use of a private contractor to internal staff is of particular note.

On July 1, 2015, Parks staff began maintenance of the 80 landscape maintenance district zones. This decision was made primarily to raise the quality of maintenance. It was also anticipated that this decision, along with the decision to maintain a cash flow reserve (See Attachment A) would result in less fluctuation in the cost of maintenance from year to year and a corresponding reduction in Proposition 218 Hearings.

Because this transfer occurred in July of 2015, staff is still in the preliminary stages of fully understanding the cost of maintaining each zone. Full implementation of Landscape Maintenance District maintenance through the writing of this report was and still is a work in progress. Hiring the last of the dedicated LMD staff occurred in December. Between July and December of 2015, new staff became familiar with the boundaries of the zones as well as the procedures for maintaining each zone within the budget. What we know thus far about the transition to Parks maintenance is:

- Landscape maintenance quality, as anticipated, is significantly higher than that which existed with private contractor maintenance. Parks staff is not aware of any complaints associated with the switch from private contractors to Parks staff with the exception of a few complaints regarding lack of maintenance in zones where Proposition 218 Hearings failed. This is especially meaningful when it is recognized that many of the zone funding levels remained well below what was considered necessary for the private contractor to provide basic service as a result of failed Proposition 218 Hearings.

- As is always the case, the hiring process takes several months to recruit and navigate the hiring process. The full-time staff, consequently, came on board well into FY 2015/2016 and part-time help was used to get the zone work started at the beginning of the Fiscal Year. This makes it difficult to establish precise costs for each individual zone as well as the combination of all 80 zones put together.

- Maintenance levels were reduced in some zones based on failed Proposition 218 Hearings making it more difficult to establish a fair cost in the limited time-frame in which Parks maintenance has occurred.

- The impacts of the drought have artificially reduced landscape requirements. Reduced water reduces mowing and trimming requirements.

In addition to these items, staff continues to seek ways to lower costs and associated assessments. One of these ways includes adjusting some strict schedules followed by the private contractor that, for instance, involved performing weekly activities that in reality might only be required every two weeks.

In summary, staff does not yet feel that they have gathered sufficient information to propose adjustments to the zone assessments that would accurately reflect a reasonable cost of maintenance. In those zones where landscape covenants allow for escalation of assessments based on inflationary factors, those will only be adjusted upward if projections indicate it is warranted.

Landscape Maintenance District Zones Formed Prior to 2002

Landscape Maintenance District zones are frequently categorized into two groups, those that were formed before August of 2002, and those that that were formed later.

While "newer" zones of benefit include provisions for regular escalation, landscape zones formed before August of 2002 do not have any built-in allowance for escalation or adjustment. In these older zones, the original assessment established at formation continued to be applied year after year. Many of these zones included assessments of $30 per year or less, which is in many cases well below the actual expenses required to maintain the zones. In 2012, the City Attorney's office determined that assessments could be adjusted to reflect current costs if a Proposition 218 protest hearing was conducted. In each of the years following this finding, the majority of zones subject to Proposition 218 hearings rejected increases. This led City Council to direct that maintenance within those zones be reduced to match revenue.

Assessment Calculation Summary

The average assessment recommended for each LMD zone of benefit is included in the attached table. The following points help to summarize the assessment calculation results:

- Proposition 218 Protest Hearings are not proposed this fiscal year
- Of the 80 zones, 28 zones will increase, each in accordance with the covenant in place with that zone
- The average assessment in 58 zones is less than $80 per year
- The average assessment in 12 zones is between $80 and $100
- The average assessment in 5 zones is between $100 and $150
- The average assessment in 1 zones is between $150 and $200
- The average assessment in 2 zones is between $200 and $300
- The average assessment in 2 zones is more than $300.

Table 1 illustrates the existing and proposed assessments based on the guiding principles as well as the previous high assessment for the individual zones.

FISCAL IMPACT:

The General Fund is expected to absorb approximately $130,000 in LMD staff costs in the current fiscal year. Based on Council's previous direction, the recommended assessments proposed in the Engineer's Report would not recover this amount.

Because a final determination of zone costs will not occur for approximately another year, additional costs or savings on a zone by zone basis will be realized. For the same reason, staff is recommending a delay in proposition 218 hearings; staff cannot readily estimate the financial impacts as part of this staff report.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN:

The formation of Landscape and Lighting Districts while not specifically addressed in the vision or action plans would seem to fit well with:

Strategy 126 - Clean, attractive streets: Expand or develop programs to create clean, safe and aesthetically pleasing streets.

RESOLUTION NO. 16-_____

A RESOLUTION OF INTENTION OF THE CITY COUNCIL OF THE CITY OF MADERA, CALIFORNIA, TO LEVY AND COLLECT ANNUAL ASSESSMENTS FOR CITY WIDE LANDSCAPE AND LIGHTING DISTRICT ZONES OF BENEFIT 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 FOR FISCAL YEAR 2016/2017 AND SETTING DATE FOR PUBLIC HEARING

WHEREAS, the City Council has heretofore, provided for the formation of a City Wide Assessment District pursuant to the Landscape and Lighting Act of 1972 (the "Act") and provided for the inclusion of Zones 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 into said District; and

WHEREAS, if within any given zone, more than 50% of the parcels do not protest the proposed increases, City Council may choose to confirm the assessments as are proposed in the Engineer's Report; and

WHEREAS, the City Engineer has prepared an Engineer's Report which has been filed with the office of the City Clerk for submission to the City Council, setting forth a full and detailed description of the improvements, the boundaries of the assessment district, the zones of benefit therein and the proposed assessments upon assessable lots and parcels of land within the District to which reference is hereby made for full particulars. The boundaries of the zones of benefit within the City wide assessment district and the improvement therein are as generally described in the Engineer's Report; and

WHEREAS, the City Council approved the Engineer's Report on July 20, 2016; and

WHEREAS, the City Council is required to set a hearing where all interested persons shall be heard on the question of the levy and collection of the proposed assessments; and

WHEREAS, written protests may be filed with the City Clerk at any time prior to the conclusion of the hearing. A written protest shall state all grounds of objection and shall contain a description sufficient to identify the property owned by the protesting person or persons.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MADERA HEREBY finds, orders, and resolves as follows:

1. The above recitals are true and correct.

2. The Engineer's Report has been prepared and has been filed with the office of the City Clerk for submission to the City Council and has been approved by the City Council.

3. It is the intention of the Madera City Council to levy and collect assessments for the 2016/2017 fiscal year in accordance with that determined in the Engineer's Report for City Wide Landscape and Lighting District Zones of Benefit 1, 2, 3, 4, 6-A, 6-B, 7, 8, 9, 10-A, 10-B, 10-C, 10-D, 10-E, 10-F, 10-G, 10-H,10-I, 12, 13, 14, 15, 15-B, 15-C, 16, 17-A, 17-B, 17-C, 17-D, 18, 20-A, 20-B, 20-C, 21-A, 21-B, 21-C, 21-D, 23, 24, 25-C, 25-D, 26, 26-B, 26-C,26-D, 27, 27-B, 28, 28-B, 29, 29-B, 29-C, 29-D, 29-E, 30, 31-A, 31-B, 32-A, 32-B, 33, 34, 34-B, 34-C, 35, 36-A, 36-B, 36-C, 37, 39, 40, 41, 43-A, 43-C, 43-D, 43-E, 44, 45-A, 46, 50 & 51 for the 2016/2017 fiscal year.

4. The Landscape and Lighting District Zones which generally include, but are not limited to park strip and median landscaping are in general conformity to those originally formed and no changes have been made or are proposed to these improvements as part of this action.

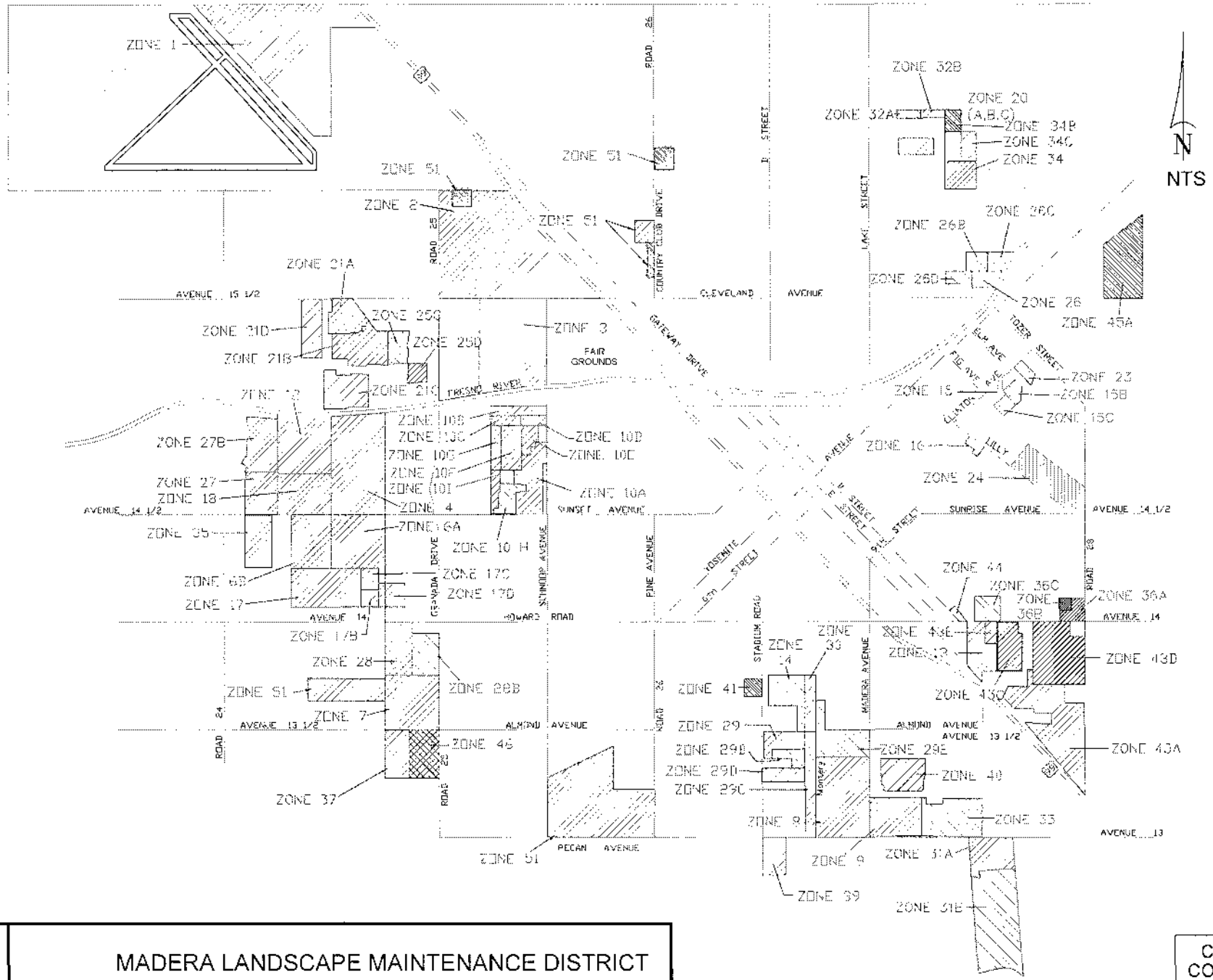
5. A Public Hearing shall be held at a regular meeting of the Madera City Council on August 3, 2016 at 6:00 p.m. to consider the Proposed 2016/17 Assessments for the above Zones.

6. The City Clerk is hereby directed to publish a notice of the public hearing in a newspaper of general circulation at least one time no later than 10 days prior to the date set for the hearing.

7. This resolution is effective immediately upon adoption.

* * * * *

EXHIBIT "A"



MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE LOCATION MAP

CITY OF MADERA
COUNTY OF MADERA
STATE OF CALIFORNIA

REV. FEB. 2015

ATTACHMENT A – LMD COST ASSESSMENT FACTORS

- *Use of Fund Balance.* Beginning in Fiscal Year (FY) 2012/2013, an analysis of available fund balances in many zones indicated that assessments could be temporarily reduced or eliminated in those zones while the fund balances were brought down to appropriate levels which better approximated actual expenses. In some cases, these reductions still need to continue. In others, the fund balances have been reduced appropriately, and the assessments now need to be reset at a level where they equal expenses.

- *Unsuccessful Assessment Increase.* Forty zones were subject to Proposition 218 protest hearings for the previous FY 2015/2016 Engineer's Report. Twenty-three of those hearings resulted in unsuccessful rate increases. Those zones that did not approve a rate increase are subject to a new Proposition 218 election. As indicated above however, staff recommended and did proceed under the assumption that Proposition 218 hearings could not reasonably be implemented this year. Landscape activities within those zones where hearings were unsuccessful were reduced for the FY 2015/2016 in a manner commensurate with the funding anticipated being available. This reduction will continue into the FY 2016/2017. Parks staff will continue to monitor these zones to limit maintenance and associated costs to match available funding while still establishing the reasonable cost to provide full maintenance in later years.

- *Tree Trimming.* Where funding is available, one fourth of the trees in a zone are trimmed every year. For those zones that did not approve increases to assessments, tree trimming represents the first maintenance item to be removed; the assumption being trees represented less of a visual impact than un-mowed grass or un-trimmed bushes

- *Water Usage Costs.* The water usage fee is included in the recommended Engineer's Report based on the square footage of landscaping within each zone. This fee will transition to a metered cost as meters are installed at the various water service locations. As a result of the drought, water usage has been assumed to be decreased by approximately 35 percent for the previously approved FY 2015/2016 Engineers Report as well as this year's Engineers Report.

- *Reserve for Cash Flow.* This reserve may be held in accordance with Section 22569 of the Streets and Highways Code. The maximum amount and defined target for the zones is equivalent to the estimated costs of maintaining the zones between July 1 and December 10. The maximum amount would be accrued over the course of as much as 5 years with the goal of reducing the magnitude of recommended assessment increases. Prior to this reserve going below zero in any given year for those zones that do not have an escalation/cost of living (COLA) clause, a Proposition 218 Hearing would be required to increase assessments. Again, proposition 218 Hearings are not recommended this year.

  Because the accrual amount can, at present, vary to a fairly large degree based on a number of factors, several zones are anticipated to accumulate a larger reserve amount than planned. Similar to the logic that staff has presented as part of the recommendation to forego Proposition 218 Hearings this year, staff is not recommending a reduction in assessments until the cost of maintaining zones is fully understood unless it is clearly understood that zone costs will be less than the current assessment revenue or that excess funds cannot be used for needed improvements.

- *Administrative Costs.* Administrative costs for Engineering, Legal, Finance and Parks Departments is limited to 30% of the value of the non-administrative costs. This cap was directed by Council. Similar to previous years, staff estimates the actual administrative costs

will exceed the amount collected through assessments by approximately $130,000 for FY 2016/2017. The General Fund continues to absorb this amount similar to last year.

- *Drought*. The ongoing drought may dictate changes to the zones. Some changes will be involuntary such as the on-going need to reduce water consumption in accordance with the Drought Water Restriction Level in place at the time. Others that may include future changes in plant material will be the result of choices made by residents and businesses within the various zones as well as the City. This Engineer's Report does not make any assumptions with regard to possible changes beyond an assumed 35% reduction in water usage.

- *Cost of Living Adjustment*. Certain zones include covenants providing for annual cost of living increases that have been calculated to be 5.4% based on the Engineering News Record-Construction Cost Index through June 2016. The adjustments have not been utilized only in those cases where staff feels comfortable that actual final costs of maintenance will be below the current assessment or can be absorbed over time in future cost of living adjustments.

Table 1
Existing and Proposed Assessments

Zone	Existing Average Assessment by Parcel	Proposed Assessment	Previous High Assessment
1	$0.00	$0.00	$75.71
2	$103.18	$103.18	$103.18
3	$44.81	$44.81	$44.81
4	$75.86	$75.86	$75.86
6-A	$160.03	$160.03	$160.03
6-B	$59.28	$59.28	$59.28
7	$24.80	$24.80	$24.80
8	$22.94	$22.94	$22.94
9	$33.10	$33.10	$44.12
10-A	$26.74	$26.74	$26.74
10-B	$19.06	$19.06	$24.17
10-C	$24.68	$24.68	$24.68
10-D	$19.82	$19.82	$30.58
10-E	$24.67	$26.01	$26.35
10-F	$44.19	$44.19	$44.19
10 - G	$24.67	$26.00	$32.58
10-H	$24.67	$26.00	$32.56
10-I	$38.21	$40.28	$38.21
12	$357.28	$357.28	$357.28
13	$86.26	$86.26	$86.26
14	$25.66	$25.66	$25.66
15	$53.68	$53.68	$53.68
15-B	$0.00	$0.00	$53.70
15-C	$40.00	$42.16	$111.34
16	$35.00	$35.00	$35.00
17-A	$74.47	$74.47	$74.47
17-B	$116.87	$116.87	$116.86
17-C	$105.93	$105.93	$105.93
17-D	$35.00	$36.89	$52.78
18	$76.57	$76.57	$196.22
20A	$38.84	$38.84	$38.84
20B	$0.00	$0.00	$56.56
20C	$37.50	$39.53	$56.38
21A	$0.00	$0.00	$74.90
21B	$49.70	$49.70	$49.70
21C	$0.00	$0.00	$198.02
21D	$0.00	$0.00	$318.82
23	$35.79	$35.79	$76.16
24	$226.80	$239.05	$312.14
25C	$34.57	$36.43	$34.57
25D	$78.42	$79.21	$78.42
26	$14.25	$15.02	$14.25

Table 1
Existing and Proposed Assessments

Zone	Existing Average Assessment by Parcel	Proposed Assessment	Previous High Assessment
26B	$23.69	$24.97	$23.69
26C	$16.52	$17.41	$20.98
26D	$25.19	$26.55	$25.19
27	$35.76	$35.76	$35.86
27B	$83.11	$83.11	$83.11
28	$0.00	$0.00	$78.66
28-B	$0.00	$0.00	$68.40
29	$82.28	$82.28	$106.98
29-B	$94.85	$94.85	$113.86
29-C	$92.00	$96.97	$120.12
29-D	$84.88	$89.46	$116.54
29-E	$103.10	$107.74	$120.16
30	$54.43	$54.43	$105.74
31-A	$118.71	$125.12	$422.92
31-B	$91.09	$96.01	$409.36
32-A	$90.58	$95.47	$135.08
32-B	$87.29	$87.29	$129.10
33	$93.70	$93.70	$162.22
34	$68.61	$68.61	$224.86
34-B	$0.00	$0.00	$264.50
34-C	$0.00	-$59.41	$252.84
35	$0.00	$0.00	$85.26
36-A	$0.00	-$15.85	$136.24
36-B	$10.21	$97.27	$145.81
36-C	$32.61	$53.48	$130.70
37	$0.00	$14.40	$66.92
39	$0.00	$0.00	$165.08
40	$0.00	$33.97	$89.42
41	$0.00	$0.00	$439.66
43-A	$127.45	$0.00	$423.57
43-C	$58.25	$78.64	$171.10
43-D	$77.14	$81.31	$97.24
43-E	$0.00	$0.00	$332.76
44	$281.99	$281.99	$395.38
45-A	$76.07	$76.07	$86.34
46	$62.60	$62.60	$62.60
50	$44.20	$44.20	$190.36
51	$313.77	$313.77	$313.77

RECORDING REQUESTED BY
AND MAILED TO:

NAME: CITY OF MADERA

STREET: 205 W. 4TH STREET

CITY: MADERA, CA 93637

ATTENTION: CITY CLERK

CITY OF MADERA

ENGINEERING DEPARTMENT

COUNTY OF MADERA, STATE OF CALIFORNIA

ENGINEER'S REPORT

FOR

CITY OF MADERA

LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51

2016-2017 ASSESSMENT

Keith Brent Helmuth

City Engineer

City of Madera

_____

Date

ENGINEER'S REPORT
FOR CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51

2016-2017 ASSESSMENT

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CERTIFICATION OF FILING AND CONFIRMATION OF ASSESSMENT
TO THE ENGINEER'S REPORT FOR
CITY OF MADERA LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51

2016-2017 ASSESSMENT

The Undersigned respectfully submits the enclosed reports as directed by the City Council on _____, 2016.

BY: _____
Keith Brent Helmuth, City Engineer

Certification of Filing with City.

I, Sonia Alvarez, City Clerk of the City of Madera, do hereby certify that the foregoing assessments, together with the diagrams attached thereto, were filed with me on _____, 2016.

BY: _____

Certification of Approval and Confirmation by City Council

I, Sonia Alvarez, City Clerk of the City of Madera, do hereby certify that the foregoing assessments, together with the diagrams attached thereto, were approved and confirmed by the City Council of the City of Madera on _____, 2016.

BY: _____

Certification of Filing with Superintendent of Streets

I, Keith Brent Helmuth, City Engineer of the City of Madera, hereby certify that the foregoing assessments together with the diagrams attached thereto, were recorded in my office on _____, 2016.

BY: _____

Certification of Filing with the County Auditor

I, Catherine Nainoa, Auditor of the County of Madera, do hereby certify that the foregoing assessments, together with the diagrams attached thereto, were filed in my office _____, 2016.

BY: _____
Catherine Nainoa
Supervising Accountant/Auditor

LANDSCAPING ZONES BY SUBDIVISION

ZONE #	ZONE NAME
1	AIRPORT BUSINESS PARK
2	PHEASANT RUN/NORTHWEST ESTATES
3	MANSIONETTE ESTATES 1, 2, & 3
4	WESTGATE NORTHWEST 1 & 2
6A	WOODLAND HILLS/BASILA
6B	SUNSET SOUTHWEST 1, 2, 3, 4, & 5
7	TOWN & COUNTRY ESTATES
8	VINEYARD ESTATES II, III, IV &V
9	ORCHARD ESTATES & ORCHARD ESTATES No. 2
10A	VENTURI SUBDIVISION
10B	PEBBLE BEACH I & II
10C	PEBBLE BEACH III & IV
10D	PEBBLE BEACH V
10E	PEBBLE BEACH VI
10F	PEBBLE BEACH VII
10G	PEBBLE BEACH VIII
10H	PEBBLE BEACH IX
10I	PEBBLE BEACH X
12	FRENCH COVE 1 & 2
13	LAS PALMAS ESTATES I, II, III & IV
14	CAPISTRANO 1 & 2
15	CLINTON / ELM RANCHOS 1
15B	CLINTON / ELM RANCHOS 2
15C	CLINTON / ELM RANCHOS 3
16	SUGAR PINE ESTATES
17A	CAPISTRANO X, PHASES 1 & 2 & TUSCAN VILLAGE
17B	CAPISTRANO X, PHASE III
17C	CAPISTRANO X, PHASE IV
17D	CAPISTRANO XI, PHASE I
18	LINCOLN PLACE, PHASE I, II & III
20A	LA JOLLA ESTATES, PHASE 1
20B	LA JOLLA ESTATES, PHASE 2
20C	LA JOLLA ESTATES, PHASE 3

ZONE #	ZONE NAME
21A	HOME RANCH I
21B	HOME RANCH II
21C	HOME RANCH III
21D	HOME RANCH IV
23	ELM ESTATES II
24	VISTA DEL SIERRA (RDA)
25C	COTTONWOOD ESTATES III
25D	COTTONWOOD ESTATES IV
26	CORDOVA ESTATES PHASE I & II
26B	CORDOVA ESTATES PHASE III
26C	CORDOVA ESTATES PHASE IV
26D	OAKWOOD ESTATES
27	VINEYARD WEST I
27B	VINEYARD WEST II
28	CAPISTRANO XII & XIV
28B	CAPISTRANO XIII
29	CHATEAU AT THE VINEYARDS, PHASE I
29B	CHATEAU AT THE VINEYARDS, PHASE II
29C	CHATEAU AT THE VINEYARDS, PHASE III
29D	CHATEAU AT THE VINEYARDS, PHASE IV
29E	CHATEAU AT THE VINEYARDS EAST
30	YOSEMITE ESTATES
31A	HIGHLANDS AT RANCHO VALENCIA PHASE I
31B	HIGHLANDS AT RANCHO VALENCIA PHASE II
32A	LA JOLLA NORTH PHASE I
32B	LAN JOLLA NORTH PHASE II
33	SOUTH STAR ESTATES
34	KENNEDY ESTATES PHASE I & II
34B	KENNEDY ESTATES PHASE III
34C	KENNEDY ESTATES PHASE IV
35	SANTA BARBARA ESTATES
36A	MARIPOSA ESTATES I
36B	MARIPOSA ESTATES II
36C	OLIVE ESTATES
37	ALMOND TREE ESTATES
39	CARMEL HOMES III
40	TIERRA VISTA ESTATES
41	POND PLACE

ZONE #	ZONE NAME
43A	ORCHARD POINT ESTATES PHASE I & II & BRAWLEY
43C	EL CORONADO ESTATES
43D	ALMOND VILLAGE ESTATES
43E	TAYLOR ESTATES
44	SIERRA VISTA ESTATES PHASE III
45A	SIENNA ESTATES
46	CAPISTRANO XVII
50	SUGAR PINE VILLAGE
51	RED ROCK RETAIL CENTER

ENGINEER'S REPORT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT
2016-2017 ASSESSMENT

ZONES: **1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51**

WHEREAS, on June, 1991 the City Council of the City of Madera by resolution provided for the creation of a Landscape Maintenance District to provide funds to the City for the maintenance of landscaping within street medians, street park strips, and easements included as a part of said District, the entire City shall be designated as one District composed of separate Landscape Maintenance Zones, and

NOW THEREFORE, I, Keith Brent Helmuth, Engineer of Work for the City of Madera, do hereby assess and apportion the total estimate of cost of the formation, servicing, and maintenance of the referenced Zones upon the several lots or parcels of land benefited, as more particularly set forth in the assessment rolls filed herewith, marked Exhibit "C" and incorporated herein by reference. The numbers on said assessment roll correspond with the assigned numbers upon the assessment diagrams filed herewith, marked Exhibit "D", and incorporated herein by reference. Said assessment is made upon the several lots or parcels of land within the Zones in proportion to the estimated benefits to be received by said lots of parcels of land for said maintenance. A description of the method used to estimate those benefits is presented below.

PLANS AND SPECIFICATIONS

Improvement Plans, Tract Map, and Conditions of Approval have been used to determine landscaped areas within each Zone. Such detailed plans have been prepared by the various project developers and are on file with the City of Madera.

ESTIMATE OF COSTS

The amounts to be assessed and a breakdown of these costs are provided in the Exhibit "C". These costs are based upon the best estimates available at the time of preparation of this report. Since this report will be a yearly document for the continuation of each maintenance Zone, any costs not spent by the City of Madera during the referenced fiscal year will be credited to assessments in future years. Conversely any costs underestimated during the referenced year will be recovered by assessments in future years.

The amount to be assessed maybe increased annually by the increase in the Engineering News Record Construction Cost Index (Los Angeles) plus two percent (2%) for those zones that include an escalation clause within the covenant that was executed upon formation of the zone. Zones that do not include an escalation clause may only be increased as the result of a Proposition 218 election.

ASSESSMENT DIAGRAM

The maps entitled "ASSESSMENT DIAGRAM" are incorporated herein, and sets forth the lots of parcels of land, and assigns each individual parcel a distinctive number for reference to the assessment roll. Each of the properties included within each referenced Zone is identified by an Assessment Parcel Number.

DATED: _____

SIGNED: _____
ENGINEER OF WORK FOR THE CITY OF MADERA

Exhibit 'A'

CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51

2016-2017 ASSESSMENT

ASSESSMENT SPREAD METHODOLOGY

PROPERTY RELATED BENEFIT

Property-related benefit must provide a specific, rather than general, benefit to each property being assessed in proportion to at least the amount of assessment.

The installation and maintenance of landscaping of park strips, median islands along major streets, median islands within developments/subdivisions, and certain out-lots, were requirements for obtaining favorable development entitlements which provide a specific benefit to the newly created properties, all as more particularly described on Exhibit "B".

GENERAL BENEFIT

General benefit is defined as any benefit that does not confer specific benefit via a property-related service or capital improvement. General benefits can be determined to benefit the property within the District/Zone and/or the public at large. The landscaping in median islands located in major streets results in an attractive transportation corridor for the community in conformance with the City's General Plan, and thereby providing some degree of general benefit as well as, a specific benefit to adjoining properties.

FY 2016-2017 ASSESSMENT

In accordance with the definitions of Proposition 218, the properties in each case are being assessed for their prorate share of costs to maintain the landscaping in park strips along major streets adjacent to the respective developments/subdivisions, in median islands located within the development/subdivision, in certain outlots. Costs include maintenance of trees, shrubs, sprinkler systems, fertilizer, weed control and general maintenance and repair or replacement when required. The assessment may be increased annually to the range of the assessment in the amount of the Engineering News Record Constructions Cost Index (Los Angeles, plus two percent).

In accordance with Proposition 218, the owners of land with a majority of the total cost of assessments did heretofore approve the assessments for landscape maintenance on June 4, 1997, June 3, 1998, July 16, 1999, July 19, 2000, April 4, 2001, June 6, 2001, June 5, 2002, August 21, 2002, July 16, 2003, September 1, 2004, August 3, 2005, August 16, 2006, August 15, 2007, August 20, 2008 and August 5, 2009, July 21, 2010, August 3, 2011, August 1, 2012, August 7, 2013, June 4, 2014, July 1, 2015 and July 20, 2016, or was required as a condition of approval of the subdivision.

Exhibit 'B'

CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51

2016-2017 ASSESSMENT

METHOD OF ASSESSMENT BY ZONE

ZONE 1 – Airport Business Park
Landscape easements along the east and west side of Airport Drive from Aviation Drive to Avenue 17 were included as part of the Airport Business Park Improvement Plans and are also required for proposed future development within the boundaries established herein. Therefore, it is incumbent upon all property owners within the boundaries to account for their fair share of the costs to maintain the landscaped areas.

There are 45 parcels within the Airport Business Park included in this Zone, all of them zoned for commercial use. Assessments for maintenance of the above improvements have been spread based upon parcel area of all properties within the Zone and frontage length of those properties fronting the landscaped areas along Airport Drive. The proportions will be such that 75 % of the total assessment will be spread on the basis of lot area and the remaining 25 % will be spread on the basis of frontage length along Airport Drive.

ZONE 2 – Pheasant Run/Northwest Estates
Landscaping along the north right of way of Cleveland Avenue and along the east right of way of Granada Drive was included as conditions of approval of plans for Pheasant Run Subdivision. Landscaped median islands along Schnoor Avenue between Cleveland Avenue and Avenue 16 were included as conditions of approval of plans for Northwest Estates Subdivision and proposed future development within the boundaries established herein. A portion of the future Cleveland Avenue median landscaping was also included as an assessable item within the Zone. The assessments include fifty percent of the costs for maintaining of the median island landscaping on Schnoor and Cleveland Avenues. Therefore, it is incumbent upon all property owners within the boundaries to account for their fair share of the costs to maintain the landscaped areas.

There are 173 (Assessment Numbers 10-182) single-family residential lots within Pheasant Run Subdivision Nos. 1, 2 and 3 and 97 single-family residential lots within Northwest Estates Subdivision Nos. 1-5 & 7 (Assessment Numbers 183-220 and 237 –278 and 281- 297). Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each residential lot, for a total of 260 unit assessments for residential property.

Assessment Numbers 279 and 280, and Parcel 1 in Book 35 of Maps at Page 27 of Madera County Records (Assessment No. 232) and Parcels A through O in Book 42 of Maps at pages 107 and 108 of Madera County Records (Assessment Nos. 221 through 226 zoned professional office) and all property east of Schnoor Avenue within Zone 2 (319-328) are currently zoned commercial. The number of units assigned to each commercial lot was determined by dividing their respective areas by 0.15 acre, which is the average area of the single-family residential lots within the Pheasant Run and Northwest Estates subdivisions.

ZONE 3 – Mansionette Estates, Phases 1, 2, 3
Landscaped medians along Schnoor Avenue between Cleveland Avenue and the Fresno River and a portion of the Cleveland Avenue median landscaping were conditions of approval of proposed future development within the boundaries of Mansionette Estates 1, 2, & 3.

Therefore, it is incumbent upon all property owners within the boundaries to account for their fair share of the costs for maintenance of the median island landscaping in Schnoor Avenue. The assessments include fifty percent of the cost for maintenance of the landscaping of the MID canal right of way.

Parcel 1 and 2 in Book 49 of Maps at Page 9 of Madera County Records (Assessment Numbers 7 and 8) and Parcels 1 and 2 in Book 43 of Maps at Pages 9 and 10 of Madera County Records (Assessment Number 10 and 11) and parcel 3 and 4 in Book 43 of Maps at Pages 9 and 10 of Madera County Records (Assessment number 9) were combined per document 2006017711 to form one parcel and Parcels 1, 2 and 4 in Book 38 of Maps, at Page 87 of Madera County Records (Assessment Numbers 2, 3, and 4) and Parcel 1 and 2 in Book 39 of Maps at Page 129 of Madera County Records (Assessment Numbers 5 and 6) are currently zoned commercial. Parcel A in Book 37 of Maps, at Pages 102-104 of Madera County Records (Assessment Number 1) is currently zoned multi-family residential. The number of unit assessments assigned to each commercial lot and multi-family lot was determined by dividing their respective areas by 0.17 acre, which is the average size of the single family residential lot within Mansionette Estates, Phase 1, 2, & 3.

Parcel B in Book 37 of Maps, at Pages 102-104 of Madera County Records has been subdivided into two lots. The northerly lot has been further divided into 34 single family residential lots within Mansionette Estates Phase III Subdivision in Book 42 of Maps at Pages 143 and 144 of Madera County Records (Assessment Number 106 through 139). There are 159 single-family residential lots within Mansionette Estates Subdivision Phase I and II in Book 37 of Maps at Pages 103 and 104 of Madera county Records (Assessment Numbers 12 through 105). Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each residential lot. The southerly lot (Assessment Numbers 172 and 173) cannot be developed and will not be assessed.

There are 193 unit assessments for residential property, and 11unit assessments for commercial areas.

ZONE 4 – Westgate Northwest, Phases I & II
A condition of approval of the Westgate Northwest subdivision required landscaping of the following areas.

1. A median island in North Westberry Boulevard, between Sunset Avenue and Riverview Drive;

2. A median island in Double Tree Way between Sunset Avenue and Boulder Avenue;

3. A median island in Castle Way between Double Tree Way and Countess Lane.

4. The planter strip along the east right of way of Westberry Boulevard, contiguous to the subdivision; and,

5. The planter strip along the north right of way of Sunset Avenue contiguous to the subdivision.

The proposed landscape area between Riverview Drive and the Fresno River was also added as an assessable item within the Zone. Therefore, it is incumbent upon all property owners within the boundaries to account for their fair share of costs to maintain the landscaped areas.

There are 106 zero lot line, family residential lots and 57 standard, single-family residential lots within Westgate Northwest Phase I. There are 90 single family residential lots within Phase II of Westgate Northwest after numerous Lot Line Adjustments.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each zero lot line residential lot and two units of assessment per each

standard residential lot, which are approximately twice the acreage of the zero lot line residential lots.

ZONE 6A – Woodlands/Basila
Landscaping of certain areas was a condition of approval for the Woodland Subdivision, the Woodlands Subdivision No. 2, and the Basila Subdivision in Madera. Landscape areas are located along Woodlands Drive, Woodlands Court, Cedar Creek Lane and Westberry Blvd, all within or adjacent to the above subdivision and streets. The median island landscaping along Westberry Blvd between Sunset Avenue and the south property line of Basila Subdivision, Phase 2 and 3 shall be included in the assessments at a rate of 50% of the costs of maintenance.

There are 108 single family residential lots within Woodland Subdivision, Woodland Subdivision No. 2, Basila Subdivision, and Basila Subdivision Phases 2 and 3. Assessment for maintenance of these improvements has been spread based upon one unit of assessment per each of the 109 residential lots.

The remaining two parcels (009-300-010-000 & 009-300-009-000) have been assessed for maintenance of these improvements and has been spread based upon one unit of assessment per each of the 109 residential lots.

ZONE 6B – Sunset Southwest, Phases 1, 2, 3, 4 & 5
Landscaping was required by conditions of approval for Sunset Southwest Subdivision, Phases I through 5 including Kimmel Avenue, the south side of Sunset Avenue, the west side of Westberry Boulevard and 50% of the median in Westberry Boulevard, all within or adjacent to the above subdivision and streets.

There are 139 residential lots within Sunset Southwest Subdivision, Phases1 through 5. Assessment for maintenance of these improvements has been spread based upon one unit of assessment per each of the 139 residential lots.

ZONE 7 – Town & Country Estates
Landscaped medians along Merlot Avenue, landscaping within the west right of way of S. Granada Drive and the north right of way of W. Almond, and maintenance of the paved emergency access easement were included as conditions of approval of the Town and Country Estates subdivision. Therefore, it is incumbent upon all property owners within these boundaries to account for their fair share of costs to maintain the landscaped areas.

There are 137 single-family residential lots within Town & Country Estates, which benefit from the landscaped frontage along Granada Drive and the landscaped median in Merlot Avenue. Assessments for maintenance of the landscape improvements have been spread based upon one unit of assessment per each of the 137 residential lots.

Assessment Numbers 138, 139 and 140 are zoned for multi-family residential units. The apartment units front Almond Avenue and a portion of Granada Drive. The apartments isolate the single-family lots from any benefit of landscaping along these roads. Therefore maintenance costs associated with this landscaping will be applied only to the multi-family residential units once established. No maintenance costs are assumed for the 30-foot wide access easement through the apartment complex since it is temporary and will be replaced by a parking lot.

The number of units assigned to each multi-family residential lot, was determined by dividing their respective areas by 0.16 acre, which is the average size of the single-family residential lot within the Town and Country Estates subdivision.

ZONE 8 – Vineyard Estates Subdivision, Phases II, III, IV & V
Conditions of approval of the plans for the Vineyards Subdivision 2, 3, 4 and 5, required maintenance of the landscaped areas noted below:

1. The park strip along the north right of way of Pecan Avenue;

2. The landscape easement along the north side of Pecan Avenue;

3. The landscape easement adjacent to the storm drainage pond; and,

4. The landscape buffer within the right of way along the north and south sides of Gary Lane.

Therefore, it is incumbent upon all property owners within these boundaries to account for their fair share of the costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 193 single family residential lots within the Vineyards Subdivision No. 1, 2, 3, 4 and 5.

Assessment Numbers 52, 53 and 54 are currently zoned commercial. The number of units assigned to each commercial lot was determined by dividing their respective areas by 0.14 acre, which is the average size of the single family residential lot within Vineyards, Phases II, III, IV and V.

The assessments for Assessment Numbers 1-51 and 55-196 may increase if future development requires landscaping along Monterey Avenue, Gary Lane or Pecan Avenue.

ZONE 9 – Orchard Estates & Orchard Estates No. 2
Landscaping in the park strip located along the North right of way of Pecan Avenue was included as a condition of approval of plans for the Orchard Estates Subdivision. Therefore, it is incumbent upon all property owners within the boundaries of Orchard Estates Subdivision and Orchard Estates Subdivision No. 2 to account for their fair share of the costs to maintain the landscaped areas.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 66 single family residential lots within Orchard Estates Subdivision and Orchard Estates Subdivision No. 2, and the 2 other residential lots within Zone 9, for a total of 68 units of assessment.

ZONE 10 A – Venturi Subdivision
The landscape park strip along the north side of Sunset Avenue from Shannon Avenue to 630 feet to the east line of the subdivision and the park strip along the east side of Shannon Avenue, located between 248 feet and 428 feet (180) north of Sunset Avenue, was included as a condition of approval of the plans for the Venturi Subdivision. The entry gate to the subdivision has 180 square feet of landscaping. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment for each of the 13 lots within the Venturi Subdivision.

ZONE 10B – Pebble Beach, Phase I & II
A condition of approval for Pebble Beach Estates Ph II was maintenance of the west park strip along Schnoor Avenue, North and South of Riverview Drive, through the creation of Zone 10B. There are 39 single-family residential lots in Pebble Beach Estates, Phase II within Zone 10B.

Eight (8) single-family residential lots within Pebble Beach Estates, Phase I are included in Zone 10 B for the maintenance of landscaping along the north right-of-way of Sunset Avenue, just West of Shannon Avenue. It is incumbent upon the property owners within the boundaries of the subdivision to account for their fair share of the costs to maintain the landscaped areas. Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 47 single-family residential lots within Pebble Beach Estates, Phase I and Phase II.

ZONE 10C – Pebble Beach, Phase III & IV
A condition of approval of Pebble Beach Estates Phases III and IV was maintenance of the West park strip along Schnoor Avenue, North and South of Riverview Drive. All parcels within

the subdivision are specifically benefited by the maintenance of the landscaped park strip. Therefore it is incumbent upon the property owners within the boundaries to account for their share of the costs to maintain the landscaped areas.

There are 21 single-family residential lots within Pebble Beach Estates Phase III and 29 single-family residential lots within Pebble Beach Estates Phase IV. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 50 residential lots within Pebble Beach Estates Phases III and IV.

ZONE 10D – Pebble Beach, Phase V

Maintenance of the landscape planter strip along the west side of Schnoor Avenue between 90 feet South and 360 feet North of University Avenue was a condition of map approval of the Pebble Beach Estates Phase V subdivision. There are 27 single-family residential lots within Pebble Beach Estates Phase V. It is incumbent upon the property owners within the boundaries of the subdivision to account for their fair share of the costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 27 residential lots within Pebble Beach Estates Phase V.

ZONE 10E – Pebble Beach, Phase VI

A condition of approval of Pebble Beach Estates, Phase VI was the maintenance of landscaping of several park strips, located:

1. Along the west side of North Schnoor Avenue between a point located 250 feet south of University Avenue, to a point located 800 feet north of University; and,

2. Along the north side of Sunset Avenue from Shannon Drive to Mainberry Drive.

All parcels within the subdivision are specifically benefited by the maintenance of the landscaped median and park strip. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 22 residential lots within Pebble Beach Estates Phase VI.

ZONE 10 F – Pebble Beach, Phase VII

A condition of approval of Pebble Beach Estates, Phase VII was a requirement to maintain landscaping in park strips located on the west side of North Schnoor Avenue and along the north side of West Sunset Avenue adjacent to the Pebble Beach Phase I subdivision. All parcels within the subdivision are specifically benefited by the maintenance of the landscaped park strips. Therefore, it is incumbent upon the property owners within the boundaries to account for their fair share of the costs to maintain the landscaped areas.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 41 residential lots within Pebble Beach Estates, Phase VII.

ZONE 10G – Pebble Beach Estates Phase VIII

A condition of approval of Pebble Beach Estates, Phase VIII was the maintenance of landscaping of two park strips:

1. Along the west side of N. Schnoor Avenue; and
2. Along the north side of W. Sunset Avenue all adjacent to Pebble Beach Phase I.

It is incumbent upon the property owners within the boundaries of the subdivision to account for their fair share of the costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 46 residential lots within Pebble Beach Estates Phase VIII.

ZONE 10 H – Pebble Beach, Phase IX

A condition of approval of Pebble Beach Estates, Phase IX was a requirement to maintain landscaping and irrigation, including trees along the park strip on the west side of North Schnoor Avenue and the landscaping and irrigation, including trees along the park strip on the north side

of West Sunset Avenue all adjacent to the Pebble Beach Subdivision. All parcels within the subdivision are specifically benefited by the maintenance of the landscaped parkstrip. Therefore, it is incumbent upon the property owners within the boundaries to account for their fair share of the costs to maintain the landscaped areas.

There are fifty-three (53) single-family residential lots within Pebble Beach Estates, Phase IX within Zone 10H. Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each residential lot within Pebble Beach Estates, Phase IX.

ZONE 10 I – Pebble Beach, Phase X
A condition of approval Pebble Beach, Phase X, was the requirement for landscaping and irrigation, including trees, along the park strip on the west side of N. Schnoor Avenue, and the landscaping and irrigation, including trees along the park strip on the north side of W. Sunset Avenue all adjacent to the Pebble Beach Estates Phase X Subdivision.

There are twenty-one (21) single-family residential lots and 1 multi-family lot within Pebble Beach Estates Phase X within Zone 10I. Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each residential lot within the Pebble Beach Estates Subdivision Phase X.

ZONE 12 – French Cove Phase I & II
A condition of approval of plans for French Cove Phase I and Phase II, included the following landscaped areas:

1. The planter strip on the West side of Westberry Blvd. from 107 feet South of Double Tree Way to the South right of way line of Riverview Drive;

2. The median island in Doubletree Avenue between Summer Set Lane and Westberry Blvd;

3. The median island in Tragon Street between Tragon Way and Summer Set Lane;

4. The planter strip on the North side of Riverview Drive between Summer Set Lane and Westberry Blvd.; and,

5. One-half of the median islands on Westberry Blvd. along the entire east boundary of the subdivision.

The landscaped park strips and the local street medians, provide a zone of benefit to all parcels within the two subdivisions. Therefore, one hundred percent of the maintenance costs for areas 1, 2, 3, 4, and 5 noted above, will be equally shared by the single-family lots within French Cove Phases I and II. The landscaped median in Westberry Blvd. however, provides a zone of benefit to the City at large. Therefore, the maintenance costs for this median island will be equally shared between the City and all single-family lots within the two subdivisions. There are 33 single-family residential lots in French Cove Phase I and 46 single-family residential lots in French Cove Phase II, for a total of 79 unit assessments.

ZONE 13 – Las Palmas Estates, Phases I, II, III & IV
A condition of approval of Las Palmas Subdivision Phases I, II, III and IV, was maintenance of the park strip located on the South side of Olive Avenue along the frontage of Phase I and the median island landscaping located in Varbella Park between Varbella Way and La Perla Way. It is therefore incumbent upon the property owners within the boundaries of Las Palmas Subdivision Phases I, II, III and IV to account for their fair share of the costs to maintain the landscaped areas.

There are 22 lots in Phase I, 26 lots in Phase II, 9 lots in Phase III, and, 11 lots in Phase IV, all within Zone 13. Assessments for maintenance for the above improvements have been spread

based upon one unit of assessment per each of the 68 residential lots within Las Palmas Estates Subdivision.

ZONE 14 – Capistrano, Phases I & II
Landscaping along the north side of Almond Avenue along the frontage of Capistrano Subdivision Phase I, and the east side of Stadium Road along the frontages of said Phase I and Capistrano Subdivision Phase II, was required as a condition of approval of the plans for said Phases I and II. Therefore, it is incumbent upon all property owners within the boundaries of the Capistrano Subdivisions, to account for their fair share of costs to maintain the landscaped areas.

There are 115 single-family residential lots in Zone 14. Assessment for maintenance of the above landscaped areas has been spread based upon one unit of assessment per each residential lot within the Capistrano Subdivisions.

ZONE 15 – Clinton/Elm Ranchos, Phase I
Landscaping of the planter strip along the southeast side of Clinton Avenue, for the full frontage of the Clinton-Elm Ranchos Subdivision, from Fig Avenue to Elm Avenue, was required by the conditions of approval of the plans. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of the costs to maintain the landscaped areas.

There are 19 single-family residential lots within the Clinton/Elm Ranchos Subdivision in Zone 15. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each residential lot within Clinton/Elm Ranchos Subdivision.

ZONE 15B – Clinton/Elm Ranchos, Phase II
Maintenance of the landscaped planter strip along the southeast side of Clinton Avenue from Fig Avenue to Elm Avenue was required by the conditions of approval of the plans for the Clinton/Elm Ranchos Subdivision Phase II. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of the costs to maintain the landscaped areas.

There are 10 single-family residential lots within the Clinton/Elm Ranchos Subdivision Phase II, in Zone 15B. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each residential lot within said Phase II.

ZONE 15C – Clinton/Elm Ranchos, Phase III
A condition of approval of plans for Clinton/Elm Ranchos Phase III was maintenance of the landscaped planter strip along the southeasterly side of Clinton Avenue from Fig Avenue to Elm Avenue. It is incumbent upon the property owners within the boundaries of the subdivision to account for their fair share of the costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 11 residential lots within Clinton/Elm Ranchos, Phase III.

ZONE 16 – Sugar Pine Estates
Conditions of approval of the Sugar Pine Estates subdivision required landscaping of the following areas:

1. Outlots “A” and “B” along the southwesterly side of Lilly Street between the Main Canal No. 1 and Sawmill Street;

2. Planter strip on the southwest side of Lilly Street adjacent to lots 1 through 4 inclusive, of said subdivision, a distance of approximately 214 feet; and,

3. Planter strip on the northeasterly side of Adelaide Street, adjacent to lots 5 through 8 inclusive and adjacent to lot 9, a distance of about 240 feet.

All parcels within the subdivision are specifically benefited by the maintenance of the landscaped outlots and the planter strips. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 24 residential lots and Outlot "C" within Sugar Pine Estates.

ZONE 17A – Capistrano X, Phases I & II & TUSCAN VILLAGE

A condition of approval of plans for Tuscan Village, required landscaped areas and an irrigation system in the park strip located along the west side of North Westberry Boulevard north of Ren way, adjacent to the east side said subdivision, a distance of 250 lineal feet. The above landscaping completes the park strip to be included in Zone of Benefit 17A.

A condition of map approval for Capistrano X, Phases I & II, required landscaped areas at the locations noted below.

1. median island and the park strip along the west side of Westberry Boulevard between a point located approximately 123 feet south of the centerline of Ren Way to a point located approximately 247 feet north of said centerline;

2. median island and park strip along the west side of Westberry Boulevard between a point located approximately 145 feet south of the centerline of Westgate Drive to a point located approximately 247 feet north of said centerline; and,

3. "Outlot A" along the east side of Kent Drive, an area 15 feet wide and 300 feet long, more or less.

There are 40 single-family residential lots in Phase I and 33 single-family residential lots in Phase II. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 73 residential lots within Capistrano X Phases I and II; and, the 25 lots in Tuscan Village derive a benefit from the landscaped median island in point located approximately 123 feet south of the centerline of Ren Way and a point located approximately 247 feet north of the centerline of Westgate Drive. Therefore, one-hundred percent of the maintenance costs for the above identified park strip and 50% of the maintenance costs of the above identified median island will be assessed against 98 lots now existing within Zone 17A.

ZONE 17B – Capistrano X Phase III

One of the conditions for approval of plans for the Capistrano X, Phase III, was maintenance of the landscaped park strip along the east side of Westberry Blvd and, the median island in Westberry Blvd., along a distance of about 530 feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. The park strip will be assessed at 100% and the median island will be assessed at 50% of the maintenance costs against all 32 single-family residential lots in the subdivision. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 32 residential lots within Capistrano X Phase III.

ZONE 17C – Capistrano X Phase IV

One of the conditions for approval of plans for the Capistrano X, Phase IV, was maintenance of the landscaped park strip along the east side of Westberry Blvd., and the median island in Westberry Blvd. along a distance of about 526 feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas.

The park strip will be assessed at 100% and the median island will be assessed at 50% of the maintenance costs against all 35 single-family residential lots in Capistrano X, Phase IV. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 35 residential lots within Capistrano X, Phase IV.

ZONE 17D – Capistrano XI Phase I
One of the conditions for approval of plans for the Capistrano XI Phase I was maintenance of the landscaped park strip along the east side of Westberry Blvd., and the median island in Westberry Blvd., improvements which exist along the west boundary of the Capistrano X, Phase III, subdivision, and measure about 530 lineal feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas.

The park strip will be assessed at 100% and the median island will be assessed at 50% of the maintenance costs against all 45 single-family residential lots in Capistrano XI Phase I. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 45 residential lots within Capistrano XI, Phase I.

ZONE 18 – Lincoln Place, Phase I, II & III
Conditions for approval of plans for Lincoln Place, Phase I, II, and III was maintenance of landscaped areas noted below:

1. Park strip along the west side of Westberry Blvd. and the median island in Westberry Blvd. between the north boundary of Phase II and the south boundary of Phase I, a distance of about 600 feet; and,

2. Park strip along the north side of Sunset Avenue between Liberty Lane and Westberry Blvd. a distance of about 580 feet; and,

3. Lot 55 (Outlot "A") of Lincoln Place Phase I.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. The park strip will be assessed at 100% and the median island will be assessed at 50% of the maintenance costs against all residential lots in the subdivision. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 54 residential lots within Lincoln Place I, II & III.

ZONE 20A – La Jolla Estates Phase 1
One of the conditions for approval of plans for La Jolla Estates Phase 1 was maintenance of the landscaped park strip on the east side of Merced Street, adjacent to lot 17, measuring about 110 lineal feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped area. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 17 single-family residential lots within La Jolla Estates Phase 1.

ZONE 20B – La Jolla Estates Phase 2
One of the conditions for approval of plans for La Jolla Estates Phase 2 was maintenance of the landscaped park strip on the east side of Merced Street, adjacent to lots 22 and 23, measuring about 270 lineal feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped area. Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 31 single-family residential lots within La Jolla Estates Phase 2.

ZONE 20C – La Jolla Estates Phase 3
One of the conditions for approval of plans for La Jolla Estates Phase 3 was maintenance of the landscaped park strip on the east side of Merced Street, adjacent to lot 64, measuring about 100 lineal feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped area. Assessments for maintenance of the above improvements have been spread based upon one

unit of assessment per each of the 16 single-family residential lots within La Jolla Estates Phase 3.

ZONE 21A – Home Ranch Phase I
A condition of approval for Home Ranch Phase I was the maintenance of several landscaped areas:

1. the park strip along the south side of W. Cleveland and the median island in W. Cleveland from Westberry Boulevard to Glade Avenue;
2. the park strip on the east ad west sides of Westberry Blvd. And ½ of the median island in Westberry Blvd. From W. Cleveland to a point located 430 feet south, thereof; and,
3. the full median island in Westberry Blvd. Between a point located 430 feet south of W. Cleveland and a point located 1,143 feet south of W. Cleveland.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 41 residential lots within Home Ranch Phase I.

ZONE 21B – Home Ranch Phase II
A condition of approval of the plans for Home Ranch Phase II was maintenance of the park strip along the east side of Westberry Blvd. And the median island in Westberry Blvd. Between a point located about 150 feet south of the centerline of West Fairway Avenue to a point located about 400 feet north of said centerline.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 72 residential lots within Home Ranch Phase II. Of these lots three (3) are assessed an addition 1/3 due to lot line adjustments and five (5) are assessed double for merged lots.

ZONE 21C - Home Ranch Phase III
A condition of approval of plans for Home Ranch Phase III, required landscape plants and an irrigation system in two park strips located on the east side and the west side of North Westberry Boulevard between the alignment of Hampton Drive to a point located approximately 535 feet north of the center line of Fairfield Way, also described as the west boundary of Home Ranch Phase III, a distance of about 1,215 lineal feet.

The landscaped park strips provide a zone of benefit to all parcels within the subdivision. Therefore, one hundred percent of the maintenance costs for the above identified park strips will be equally shared by the original 86 single-family lots within Home Ranch Phase III.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the original 86 residential lots in Home Ranch Phase III, for a total of 86 unit assessments for residential property.

ZONE 21D – Home Ranch Phase IV
A condition of approval of Home Ranch Phase IV was the requirement of landscaping in the areas described below:

1. The park strip along the south side of W. Cleveland Avenue between N. Westberry Avenue and the west boundary of Home Ranch Phase IV, a distance of about 425 feet, more or less; and,

2. The park strip along the west side of Westberry Blvd. and the median island in N. Westberry Blvd., between W. Cleveland and W. Fairway Avenue, a distance of about 1,2000 feet, more or less.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 54 residential lots within Home Ranch Phase IV Subdivision.

ZONE 23 – Elm Estates II

A condition of approval of the plans for Elm Estates II was maintenance of the park strip along the southeasterly side of Clinton Avenue adjacent to lot 1 of the subdivision, a distance of about 120 feet. It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped area. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 9 residential lots within Elm Estates II.

ZONE 24 – Vista del Sierra

A condition of approval was the requirement for landscaping and irrigation, including trees, along the park strip on the north side of Sunrise Avenue and frontage road island located along the west side of Lilly Avenue, and the temporary stormwater retention basin, all adjacent to the Vista del Sierra Subdivision frontage. Assessments for maintenance for the above improvements have been spread upon one unit of assessment per each of the forty-nine (49) lots (forty-eight residential lots and a temporary basin lot which has been determined to be equivalent to a single-family residential lot.) within the Vista del Sierra subdivision and the temporary basin lot.

ZONE 25C – Cottonwood Estates Phase III

A condition of approval of the tentative map for Cottonwood Estates Phase III, required participation in the maintenance of landscaping and irrigation systems located in three (3) park strips along the west side of N. Granada Drive Constructed by Cottonwood Estates Phase I, between a point located approximately 290 feet south of the centerline of West Cleveland Avenue to a point located approximately 2,109 feet south said Cleveland Avenue, a distance of approximately, 1,817 lineal feet. Three phases of Cottonwood estates have been approved to date, with identical requirements, to maintain the above described park strip along Granada Avenue.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 42 lots within the Cottonwood Estates Phase III Subdivision.

ZONE 25D – Cottonwood Estates Phase IV

A condition of approval of the tentative map for Cottonwood Estates Phase 4, required participation in the maintenance of landscaping and irrigation systems located in three (3) park strips along the west side of N. Granada Drive constructed by Cottonwood Estates Phase I, between a point located approximately 290 feet south of the centerline of West Cleveland Avenue to a point located approximately 2,109 feet south said Cleveland Avenue, a distance of approximately, 1,817 lineal feet. Three phases of Cottonwood Estates have been approved to date, with identical requirements, to maintain the above described park strip along Granada Avenue.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 39 residential lots within the Cottonwood Estates Phase 4 Subdivision.

ZONE 26 – Cordova Estates Phase I & II

A condition of approval of Cordova Estates Phase I & II was the requirement for landscaping the park strip along the westerly side of Raymond Road from a point located about 135 feet south of the centerline of Laguna Way to a point located about 450 feet north of the centerline of Laguna Way.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment

per each of the 50 residential lots in Cordova Estates Phase I, and the 28 residential lots in Cordova Estates Phase II, for a total of 78 lots in Zone 26.

ZONE 26B – Cordova Estates Phase III

A condition of approval of Cordova Estates Phase III was the requirement for landscaping and irrigation, including trees along the park strip on the west side of Raymond Road between the north and south boundary of the subdivision, and one-half of the landscaping and irrigation, including trees along the future median island in Raymond road between the north and south boundary of the subdivisions Cordova Estates Phases I, II and IV. All parcels within the subdivision are specifically benefited by the maintenance of the landscaped parkstrip.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the sixty-one (61) single-family residential lots within Cordova Estates, Phase III, within Zone 26B.

ZONE 26C – Cordova Estates Phase IV

A condition of approval of Cordova Estates Phase IV was the requirement for landscaping the park strip along the westerly side of Raymond Road from a point located about 135 feet south of the centerline of Laguna Way to a point located about 450 feet north of the centerline of Laguna Way.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. Assessments for maintenance of the above improvements have been spread based on one unit of assessment per each of the 52 residential lots within Cordova Estates Phase IV.

ZONE 26D – Oakwood Estates

A condition of approval of plans for Oakwood Estates, required participation in the maintenance of landscape plants and an irrigation system in the park strip located on the west side of North Raymond Road along the east boundary of the final subdivision maps for Cordova Estates Phase I and II, Map 03-S-02, and, Cordova Estates Phase IV, map 04-S-03, a distance of approximately 1,485 feet.

The landscaped park strip provides a zone of benefit to all parcels within the subdivision. Therefore, one hundred percent of the maintenance costs for the above identified park strip will be equally shared by the single-family lots within Oakwood Estates, the residential lots in said Cordova Estates Phases I, II, IV, and, Cordova Estates Phase III, located west of Cordova Estates Phase IV.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 23 residential lots in Oakwood Estates for a total of 23 unit assessments for residential property.

ZONE 27 – Vineyard West I

A condition of approval of Vineyards West Phase I was the requirement for landscaping park strips on the north side of Sunset Avenue, between Caitlan Drive and Via Cerioni, a distance of about 400 feet, more or less, and between Via Cerioni and a point located 140 feet east of Via Cerioni.

It is therefore incumbent upon all property owners within the boundaries of the subdivision to account for their fair share of costs to maintain the landscaped areas. Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 46 residential lots and lot No. 47 which is well site No. 32, owned by the City, within the Vineyards West Phase I Subdivision.

ZONE 27B – Vineyards West Phase II
A condition of approval of Vineyards West Phase II was the requirement for landscaping the park strip on the north side of Sunset Avenue and Riverside Drive between the east and west boundary of the Subdivision, all adjacent to the Vineyards West Phase II subdivision. There are 44 single-family residential lots within Vineyards West Phase II subdivision. Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 44 residential lots within the Vineyards West Phase II Subdivision.

ZONE 28 – Capistrano XII & XIV
A condition of approval of Capistrano Phase XII was the requirement for landscaping three (3) park strips on the south side of Howard Road from a point located 130 feet east of St Tropez Drive, to a point located about 130 feet west of Makenna Drive a distance of approximately 657 lineal feet.

Several park strips located along the Westside of South Granada Drive from a point located 342 feet north of Plumas Avenue to a point 125 feet south of Industrial Avenue, a distance of approximately 1210 lineal feet.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 86 residential lots within Capistrano Phase XII and 60 residential lots within Capistrano Phase XIV.

ZONE 28B – Capistrano XIII
Landscaping of the park strip located along the west right of way of Granada Drive starting at a point located 110 feet south of Desert Ranch Way to Plumas Street along a distance of 570 feet was a condition of approval of the Tentative Map for Capistrano XIII subdivision.

There are 42 single-family residential lots within Capistrano XIII subdivision. Assessments for maintenance of the above improvements have been spread based upon unit of assessment per each residential lot.

ZONE 29 – Chateau at the Vineyards, Phase I
A condition of approval of Chateau at the Vineyards Phase I was the requirement for landscaping and irrigation, including trees, along West Almond Avenue, Stadium Road, and Gary Lane, all adjacent to the Chateau at the Vineyards Subdivision frontage.

Assessments for the above improvements have been spread based upon one unit of assessment per each of the seventy (70) single-family residential lots within the Chateau at the Vineyards Subdivision and a “Not a Part” (NAP) lot which has been determined to be equivalent to twenty-four (24) single-family residential lots.

ZONE 29B – Chateau at the Vineyards, Phase II
A condition of approval of Chateau at the Vineyards Phase II was the requirement for landscaping and irrigation, including trees, along West Almond Avenue, Stadium Road, and Gary Lane, all adjacent to the Chateau at the Vineyards Subdivision frontage.

All parcels within the subdivision are specifically benefited by the maintenance of the landscaped areas. Assessment for maintenance of the above landscaped areas has been spread based upon one unit of assessment per each of the thirty-nine (39) single-family residential lots within Chateau at the Vineyards, Phase II.

ZONE 29C – Chateau at the Vineyards, Phase III
A condition of approval of plans for Chateau at the Vineyards was participation in the maintenance of irrigated landscaped areas constructed by Chateau at the Vineyards phase I, including:

1. Two park strips along the south side of West Almond Avenue between South Stadium Road and a point located approximately 1,150 feet east of Stadium Road; and,

2. Two park strips along the east side of South Stadium Road between West Almond Avenue and a point located approximately 734 feet south of Almond Avenue.

Chateau at the Vineyards, Phase III was also required to install an irrigation system and landscaping park strip along the south side of West Almond Avenue between Monterey Avenue and a point located approximately 80 feet west of Monterey Avenue.

The landscaped park strips provide a zone of benefit to all of the 19 parcels within the Chateau at the Vineyards, Phase III. Therefore, one hundred percent of the maintenance costs for the above identified park strips will be equally shared between the four (4) phases identified in the tentative map for the Chateau at the Vineyards subdivision.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 19 residential lots in Chateau at the Vineyards.

ZONE 29D – Chateau at the Vineyards, Phase IV
A condition of approval of Chateau at the Vineyards Phase IV Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements installed in conjunction with all Chateau at the Vineyards phases:

1. Installation of shrubs, trees, groundcover and irrigation system on the south side of Almond Avenue between Stadium Road and Monterey Street, running approximately 1,275 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation system on the east side of Stadium Road, running approximately 1,275 feet between Almond Avenue and Gary Lane adjacent to the subdivision tract.
3. Installation of shrubs, trees, groundcover and irrigation system on the north side of Gary Lane, running approximately 1,275 feet between Stadium Road and Monterey Street adjacent to the subdivision tract.

Assessments for maintenance of the landscape improvements have been spread based upon one unit of assessment per each of the 35 residential lots planned for Chateau at the Vineyards Phase IV.

ZONE 29E – Chateau at the Vineyards East
A condition of approval of Chateau at the Vineyards East Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system on the south side of Almond Avenue, between Stadium Road and Monterey Street and on the east side of Stadium Road between Almond Avenue and the future Gary Lane, adjacent to the subdivision Tract.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 24 residential lots within the Chateau at the Vineyards East subdivision.

ZONE 30 – Yosemite Estates
A condition of approval of Yosemite Estates was the requirement for landscaping the park strip on the north side of Almond Avenue from Monterey Avenue to a point located about 195 feet west of Monterey Avenue. There are thirty (30) single-family residential lots with the Yosemite Estates subdivision. Assessments for Maintenance for the above improvements have been spread based upon one unit of assessment per each of the thirty (30) residential lots within the Yosemite Estates Subdivision.

ZONE 31A – Highlands at Rancho Valencia Phase I
A condition of approval of the Tentative Map for Highlands at Rancho Valencia was a requirement for extensive landscaping with irrigation systems along park strips, within several mini-parks, within two traffic circles, and one median island in Sanders Avenue. The park strips are located on the south side of Pecan Roan and on the east side of Raymond Thomas Street. The total costs to maintain the landscape improvements will be shared equally between the 346 residential lots included in the tentative map for the Highlands at Rancho Valencia.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 94 residential lots included within the Highlands at Rancho Valencia Phase I subdivision.

ZONE 31B – Highlands at Rancho Valencia Phase II
A condition of approval of Highlands at Rancho Valencia Phase II was the requirement to participate in the maintenance of shrubs, trees, groundcover, and irrigation systems in the following locations:

1. The park strip located along the east side of Raymond Thomas Road between Parkwood Avenue and Hazel Avenue, along the west side of the subdivision;
2. The park strips, landscaped outlots, and traffic circles located in the South Valencia Avenue from the north boundary of the subdivision near Parkwood Avenue, to Georgia Avenue;
3. Outlots “F”, “H”, and “K”.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 247 residential lots within the Highlands at Rancho Valencia Phase II subdivision.

ZONE 32A – La Jolla North Phase I
A condition of approval of plans for La Jolla North subdivision Phase I, required landscape plants and an irrigation system in two park strips located on:

1. The east side of Merced Street between East Carmen and East Ellis Street, and
2. The south side of Ellis Street adjacent to lots 32 through 46 of Phase I, inclusive, a distance of about 1,000 feet.

The landscaped park strips provide a zone of benefit to all parcels within the subdivision. Therefore, one hundred percent of the maintenance costs for the above-identified park strips will be equally shared by the single-family lots within La Jolla North subdivision Phase I.

Assessments for maintenance of the above improvements have been spread based upon one unit of the assessment per each of the 46 residential lots in La Jolla North subdivision Phase I, for a total of 46 unit assessments for residential property.

ZONE 32B – La Jolla North Phase II
A condition of approval of plans for La Jolla North subdivision Phase II, required landscape plants and irrigation system in the park strip located on the south side of East Ellis Street adjacent to lost 47 through 61 of Phase II, inclusive, a distance of about 1,000 feet.

The landscaped park strip provides a zone of benefit to all parcels within the subdivision. Therefore, one hundred percent of the maintenance costs for the above identified park strip will be equally shared by the single-family lots within the La Jolla North subdivision Phase II.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 47 residential lots in La Jolla North Subdivision Phase II, for a total of 47 unit assessment for residential property.

ZONE 33 – South Star Estates
A condition of approval of plans for South Star Estates was maintenance of plants and the irrigation system for two park strips located:

1. The north side of Pecan Avenue (Avenue 13) located between Hickory Avenue and Barnett Avenue, a distance of about 930 feet; and,
2. The west side of Barnett Street between Pecan Avenue and a point located about 120 feet north of the center line of Macadamia Avenue, a distance of approximately 610 feet.

All parcels within the subdivision are specifically benefited by the maintenance of the landscaped areas. Assessment for maintenance of the above landscaped areas has been spread based upon one unit of assessment per each of the 61 family residential lots within South Star Estates.

ZONE 34 – Kennedy Estates Phase I & II
A Condition of approval of plans for the tentative map of Kennedy Estates, required landscape plants and an irrigation system in the park strips located:

1. along the west side of North Chapin Avenue from Kennedy Avenue, to a point located about 860 lineal feet north of Kennedy Avenue; and
2. along the north side of Kennedy Avenue from the westerly boundary of the Kennedy Estates to Chapin Avenue, a distance of about 1,025 lineal feet.

The landscaped park strip provides a zone of benefit to all of the 101 parcels within the Phase I & II of Kennedy Estates. Therefore, one hundred percent of the maintenance costs for the above identified park strips will be equally shared by the 101 single-family lots within the subdivision.

Assessments for maintenance of the above improvements have been spread based upon one unit of assessment per each of the 101 residential lots in Kennedy Estates Phase I & II, for a total of 101 unit assessments for residential property.

ZONE 34B – Kennedy Estates Phase 3
A condition of approval of Kennedy Estates Phase 3 Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. along the west side of North Chapin Avenue from Ellis Street, to a point located about 860 lineal feet south of Ellis Street; and
2. along the south side of Ellis Street from the westerly boundary of the Kennedy Estates Phase 3 Subdivision to Chapin Avenue, a distance of about 1,025 lineal feet

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 52 residential lots within the Kennedy Estates Phase 3 Subdivision.

ZONE 34C – Kennedy Estates Phase 4
A condition of approval of Kennedy Estates Phase 4 Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. along the west side of North Chapin Avenue from Ellis Street, to a point located about 860 lineal feet south of Ellis Street; and
2. along the south side of Ellis Street from the westerly boundary of Kennedy Estates Phase 3 Subdivision to Chapin Avenue, a distance of about 1,025 lineal feet

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 51 residential lots within the Kennedy Estates Phase 4 Subdivision.

ZONE 35 – Santa Barbara Estates
A condition of approval of Santa Barbara Estates was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation on the north side of Howard Road, running 660 feet adjacent to the subdivision tract.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 90 residential lots within the Santa Barbara Estates Subdivision.

ZONE 36A – Mariposa Estates
A condition of approval of Mariposa Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

Landscaping and irrigation, including trees along the park strip on the north side of East Olive Avenue 558 feet west starting from Tozer Street and ending at the east side of Mariposa Street, then starting the west side of Mariposa Street continuing west along the north side of east Olive Avenue 550 feet and ending at Knox Street.

Landscaping and irrigation, including trees along the park strip on the west side of Tozer Street 507 feet north starting at East Olive Avenue and ending at the south side of Trail Way, then starting at the north side of Trail Way continuing north along the west side of Tozer Street 594 feet and ending at A Street.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 140 residential lots within the Mariposa Estates Subdivision.

ZONE 36B – Mariposa Estates Phase II
Landscaping and irrigation, including trees along the park strip on the north side of East Olive Avenue 558 feet west starting from Tozer Street and ending at the east side of Mariposa Street, then starting the west side of Mariposa Street continuing west along the north side of east Olive Avenue 550 feet and ending at Knox Street.

Landscaping and irrigation, including trees along the park strip on the west side of Tozer Street 507 feet north starting at East Olive Avenue and ending at the south side of Trail Way, then starting at the north side of Trail Way continuing north along the west side of Tozer Street 594 feet and ending at A Street.

All parcels within the subdivision are specifically benefited by the maintenance of the landscaped park strip. Mariposa Estates, Phase II totals 10 lots equaling 10 units.

ZONE 36C – Olive Estates
A condition of approval of Olive Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Landscaping and irrigation, including trees along the park strip on the north side of East Olive Avenue 590 feet west starting at Knox Street and ending at the westerly subdivision boundary.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 46 residential lots within the Olive Estates Subdivision.

Zone 37 – Almond Tree Estates
A condition of approval of Almond Tree Estates was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Landscaping and irrigation, including trees along the park strip on the South side of West Almond Avenue, along the frontage of the subdivision, approximately 660 feet.

All parcels within the subdivision are specifically benefited by the maintenance of the landscaped park strip. Almond Tree Estates totals 100 lots equaling 100 units.

ZONE 39 – Carmel Homes III
A condition of approval of Carmel Homes III was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation on the East side of Stadium Road, running 620 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation on the South side of Pecan Ave, running 310 feet adjacent to the subdivision tract.
3. Installation of shrubs, trees, groundcover and irrigation on the Median on Pecan Ave, running 220 feet adjacent to the subdivision tract.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 82 residential lots within the Carmel Homes III Subdivision.

ZONE 40 – Tierra Vista Estates
A condition of approval of Tierra Vista Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system on the north side of Gary Lane, running approximately 780 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation system on the west side of Emily Lane, running approximately 240 feet adjacent to the subdivision tract.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 78 residential lots within the Tierra Vista Estates Subdivision.

ZONE 41 – Pond Place Estates
A condition of approval of Pond Place Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

Landscaping and irrigation, including trees, along the park strip on the west side of Stadium Road starting from the northern boundary of the subdivision, heading south approximately 140 feet, and ending at El Monte Avenue.

Landscaping and irrigation, including trees, on the frontage road island on the west side of Stadium Road starting from El Monte Avenue, heading south approximately 320 feet, and ending at Gamay Avenue.

Landscaping and irrigation, including trees, along the park strip on the west side of Stadium Road starting from Gamay Avenue, heading south approximately 120 feet, and ending at the southern boundary of the subdivision.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 29 residential lots within the Pond Place Estates Subdivision.

ZONE 43A – Orchard Point Estates Phase I & II, Brawley Subdivision
A condition of approval of Orchard Pointe Estates Phase I & II Subdivision and the Brawley Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system on the west side of Tozer Street 2290 feet adjacent to the subdivision tract.

2. Installation of shrubs, trees groundcover and irrigation system in the median island of Tozer Street,, running approximately 1960 feet adjacent to the subdivision tract.
3. Installation of shrubs, groundcover and irrigation system on Knox Street, running approximately 980 feet adjacent to the subdivision tract on the east side of the street.
4. Installation of shrubs, trees, groundcover and irrigation system on Knox Street, running approximately 2790 feet adjacent to the subdivision tract on the west side of the of the street.
5. Installation of shrubs, trees, groundcover and irrigation system on Nectarine Street, running approximately 500 feet adjacent to the subdivision tract on the south side of the street and 140 feet on the north street.
6. 14,540 square feet of landscape and hardscape material and playground equipment.

Assessments for maintenance of the landscape improvements have been spread based upon one unit of assessments per each of the 306 residential lots, and an appropriate pro-rated share based on lot area for two (2) commercial lots, included in the tentative map for Orchard Pointe Phases I & II and for the Brawley Subdivision.

ZONE 43C – El Coronado Estates
A condition of approval of El Coronado Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system within the median of Tozer Street running approximately 1,680 feet between East Olive Avenue and the southern edge of subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation system on the west side of Tozer Street, running approximately 1,000 feet adjacent to the subdivision tract.
3. Installation of shrubs, trees, groundcover and irrigation system within the median of East Olive Avenue running approximately 1,270 feet between Tozer Street and Knox Street.
4. Installation of shrubs, trees, groundcover and irrigation system on the south side of East Olive Avenue running approximately 870 feet adjacent to the subdivision tract.
5. Installation of shrubs, trees, groundcover and irrigation system on the east side of Knox Street running approximately 900 feet adjacent to the subdivision tract.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 206 residential lots within the El Coronado Estates Subdivision.

ZONE 43D – Almond Village Estates
A condition of approval of Almond Village Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system on the south side of East Olive Avenue, running 615 feet adjacent to the subdivision tract.

2. Installation of shrubs, trees, groundcover, and irrigation system in the median island of East Olive Avenue, beginning at the west limits of the subdivision tract and running approximately 235 feet adjacent to the subdivision tract.

3. Installation of shrubs, trees, groundcover and irrigation system on the west side of Knox Road, running 1,060 feet adjacent to the subdivision tract between East Olive Avenue and Los Arcos Lane.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 104 residential lots within the Almond Village Estates Subdivision.

ZONE 43E – Taylor Estates
A condition of approval of Taylor Estates Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, groundcover and irrigation system on the south side of Olive Avenue running approximately 430 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation system in the median island of Olive Avenue, running approximately 430 feet adjacent to the subdivision tract.

Assessments for maintenance of the landscape improvements have been spread based upon one unit of assessment per each of the 20 residential lots included in the tentative map

ZONE 44 – Sierra Vista Estates Phase III
A condition of approval of Sierra Vista Estates Phase III was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation on the east side of Don Miguel Street, running 410 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation on the north side of Olive Ave, running 130 feet adjacent to the subdivision tract

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 9 residential lots within the Sierra Vista Estates III Subdivision.

ZONE 45A – Sienna Estates Phase 1
A condition of approval of Sienna Estates Phase 1 Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system on the south side of East Yosemite Avenue, running approximately 1,050 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation system on the north side of Storey Road, running approximately 850 feet adjacent to the subdivision tract.
3. Installation of shrubs, groundcover and irrigation system on Emerald Way, running approximately 110 feet within the subdivision tract on the both sides of the street.
4. Installation of shrubs, groundcover and irrigation system on Crimson Way, running approximately 110 feet within the subdivision tract on the both sides of the street.

Assessments for maintenance of the landscape improvements have been spread based upon one unit of assessment per each of the 138 residential lots planned for Sienna Estates in Phases 1 and 2.

ZONE 46 – Capistrano XVII
A condition of approval of the Capistrano XVII Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for South Granada Drive, Almond Avenue and Outlot A of the Final Map. Specific limits and improvements within street frontages are identified as follows:

1. Installation of shrubs, trees, groundcover and irrigation system on the West side South Granada Drive, running approximately 1,285 feet adjacent to the subdivision tract.
2. Installation of shrubs, trees, groundcover and irrigation system on the South side of West Almond Avenue, running approximately 640 feet adjacent to the subdivision tract.

Assessments for maintenance of the landscape improvements have been spread based upon one unit of assessment per each of the 102 residential lots included in the tentative map for Capistrano XVII.

ZONE 50 – Sugar Pine Village
A condition of approval of Sugar Pine Village Subdivision was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system on the north side of Clinton Street, running approximately 240 feet in length, adjacent to the subdivision.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 25 residential lots within the Sugar Pine Village Subdivision.

ZONE 51 – Red Rock Retail Center
A condition of approval of Red Rock Retail Center was the requirement to participate in the maintenance of landscaping and the irrigation system for the following improvements:

1. Installation of shrubs, trees, groundcover and irrigation system in the median island on Country Club Dr. fronting Parcels A and B of Parcel Map 08-P-06, running approximately 55 feet in length.

Assessments for maintenance for the above improvements have been spread based upon one unit of assessment per each of the 22 commercial lots within the Red Rock Retail Center.

INCIDENTAL COSTS
Assessments for the Administrative, Legal, Mailing, and Processing Fees for each lot or parcel are spread in the same manner as the maintenance costs for the zone in which it is located.

Exhibit 'C'

CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 45, 50 & 51

2016-2017 ASSESSMENT

COSTS PER ZONE / ASSESSMENT ROLLS

CITY OF MADERA

ZONE 1

2016-2017

1.	BEGINNING FUND BALANCE				$	0.00
2.	LANDSCAPE MAINTENANCE COSTS		$	6,131.46		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	444.46		
	b.	ENGINEERING ADMINISTRATION	$	393.92		
	c.	LEGAL ADMINISTRATION	$	31.86		
	d.	FINANCE ADMINISTRATION	$	85.49		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	297.85		
	g.	EQUIPMENT	$	349.61		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	703.92		
				TOTAL COSTS:	$	8,438.58
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(6,333.90)
5.	TOTAL ASSESSMENT				$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL					0.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 1 - AIRPORT BUSINESS PARK

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment		Assessment Number	Assessor's Parcel Number	Assessment
1	013-010-031-000	$0.00	- CITY	36	013-010-084-000	$0.00
2	013-010-034-000	$0.00		37	013-010-085-000	$0.00
3	013-010-035-000	$0.00		38	013-010-086-000	$0.00
4	013-010-081-000	$0.00		39	013-010-078-000	$0.00
5	013-010-093-000	$0.00		40	013-010-079-000	$0.00
6	013-010-014-000	$0.00	- COUNTY	41	013-010-080-000	$0.00
7	013-010-020-000	$0.00	- STATE	42	013-010-089-000	$0.00
8	013-010-036-000	$0.00		43	013-010-090-000	$0.00
9	013-010-037-000	$0.00		44	013-010-091-000	$0.00
10	013-010-077-000	$0.00		45	013-010-092-000	$0.00
11	013-010-043-000	$0.00			Subtotal	$0.00
12	013-010-044-000	$0.00				
13	013-010-046-000	$0.00	- PG & E		Total	$0.00
14	013-010-062-000	$0.00				
15	013-010-070-000	$0.00				
16	013-010-049-000	$0.00			Amount to be billed via A/R	
17	013-010-048-000	$0.00			$0.00	
18	013-010-022-000	$0.00				
19	013-010-018-000	$0.00				
20	013-010-052-000	$0.00				
21	013-010-064-000	$0.00				
22	013-010-024-000	$0.00				
23	013-010-025-000	$0.00				
24	013-010-026-000	$0.00				
25	013-010-066-000	$0.00	- CITY			
26	013-010-059-000	$0.00		Note-PM11-P-03 - adjustmens to parcel through		
27	013-010-054-000	$0.00		lot line adjustments have occurred		
28	013-010-073-000	$0.00				
29	013-010-071-000	$0.00	- CITY			
30	013-010-075-000	$0.00	- CITY			
31	013-010-076-000	$0.00	- CITY			
32	013-010-067-000	$0.00				
33	013-010-068-000	$0.00				
34	013-010-082-000	$0.00				
35	013-010-083-000	$0.00				

CITY OF MADERA

ZONE 2

2016-2017

1.	BEGINNING FUND BALANCE			$	11,413.70
2.	LANDSCAPE MAINTENANCE COSTS	$	17,119.95		
3	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	256.00		
	b. ENGINEERING ADMINISTRATION	$	2,496.71		
	c. LEGAL ADMINISTRATION	$	201.95		
	d. FINANCE ADMINISTRATION	$	541.85		
	e. TREE TRIMMING	$	2,880.00		
	f. GAS & UTILITIES	$	2,021.88		
	g. EQUIPMENT	$	976.17		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	1,965.45		
			TOTAL COSTS:	$	28,459.96
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				16,798.05
5.	TOTAL ASSESSMENT			$	33,844.30
6.	AVERAGE ASSESSMENT PER PARCEL				103.18

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 2 - PHEASANT RUN/NORTHWEST ESTATES

TOTAL ASSESSMENT:
$33,844.30

Assessment Number	Assessor's Parcel Number	Assessment		Assessment Number	Assessor's Parcel Number	Assessment
1	013-070-012-000	$1,956.22		36	013-090-031-000	$39.14
2	013-070-014-000	$600.22		37	013-090-032-000	$39.14
3			**	38	013-090-033-000	$39.14
4	013-070-020-000	$829.46		39	013-090-034-000	$39.14
5	013-070-023-000	$295.30		40	013-090-035-000	$39.14
6	013-070-025-000	$3,520.58		41	013-090-036-000	$39.14
7	013-070-026-000	$209.12		42	013-090-037-000	$39.14
8	013-070-027-000	$172.92		43	013-090-038-000	$39.14
9	013-070-028-000	$147.80		44	013-090-039-000	$39.14
10	013-090-005-000	$39.20		45	013-090-040-000	$39.14
11	013-090-006-000	$39.14		46	013-090-041-000	$39.14
12	013-090-007-000	$39.14		47	013-090-042-000	$39.14
13	013-090-008-000	$39.14		48	013-091-001-000	$39.14
14	013-090-009-000	$39.14		49	013-091-002-000	$39.14
15	013-090-010-000	$39.14		50	013-091-003-000	$39.14
16	013-090-011-000	$39.14		51	013-091-004-000	$39.14
17	013-090-012-000	$39.14		52	013-091-005-000	$39.14
18	013-090-013-000	$39.14		53	013-091-006-000	$39.14
19	013-090-014-000	$39.14		54	013-091-007-000	$39.14
20	013-090-015-000	$39.14		55	013-091-008-000	$39.14
21	013-090-016-000	$39.14		56	013-091-009-000	$39.14
22	013-090-017-000	$39.14		57	013-091-010-000	$39.14
23	013-090-018-000	$39.14		58	013-091-011-000	$39.14
24	013-090-019-000	$39.14		59	013-091-012-000	$39.14
25	013-090-020-000	$39.14		60	013-091-013-000	$39.14
26	013-090-021-000	$39.14		61	013-091-014-000	$39.14
27	013-090-022-000	$39.14		62	013-091-015-000	$39.14
28	013-090-023-000	$39.14		63	013-091-016-000	$39.14
29	013-090-024-000	$39.14		64	013-091-017-000	$39.14
30	013-090-025-000	$39.14		65	013-091-018-000	$39.14
31	013-090-026-000	$39.14		66	013-091-019-000	$39.14
32	013-090-027-000	$39.14		67	013-091-020-000	$39.14
33	013-090-028-000	$39.14		68	013-091-021-000	$39.14
34	013-090-029-000	$39.14		69	013-091-022-000	$39.14
35	013-090-030-000	$39.14		70	013-091-023-000	$39.14

Assessment Number	Assessor's Parcel Number	Assessment
71	013-091-024-000	$39.14
72	013-091-025-000	$39.14
73	013-091-026-000	$39.14
74	013-091-027-000	$39.14
75	013-091-028-000	$39.14
76	013-091-029-000	$39.14
77	013-091-030-000	$39.14
78	013-091-031-000	$39.14
79	013-091-032-000	$39.14
80	013-091-033-000	$39.14
81	013-091-034-000	$39.14
82	013-091-035-000	$39.14
83	013-091-036-000	$39.14
84	013-091-037-000	$39.14
85	013-091-038-000	$39.14
86	013-091-039-000	$39.14
87	013-091-040-000	$39.14
88	013-091-041-000	$39.14
89	013-091-042-000	$39.14
90	013-091-043-000	$39.14
91	013-091-044-000	$39.14
92	013-091-045-000	$39.14
93	013-091-046-000	$39.14
94	013-091-047-000	$39.14
95	013-091-048-000	$39.14
96	013-091-049-000	$39.14
97	013-091-050-000	$39.14
98	013-091-051-000	$39.14
99	013-091-052-000	$39.14
100	013-091-053-000	$39.14
101	013-091-054-000	$39.14
102	013-091-055-000	$39.14
103	013-091-056-000	$39.14
104	013-091-057-000	$39.14
105	013-091-058-000	$39.14
106	013-091-059-000	$39.14
107	013-091-060-000	$39.14
108	013-091-061-000	$39.14
109	013-091-062-000	$39.14
110	013-091-063-000	$39.14
111	013-091-064-000	$39.14
112	013-091-065-000	$39.14
113	013-091-066-000	$39.14
114	013-091-067-000	$39.14
115	013-091-068-000	$39.14
116	013-091-069-000	$39.14
117	013-091-070-000	$39.14
118	013-091-071-000	$39.14
119	013-091-072-000	$39.14
120	013-091-073-000	$39.14
121	013-091-074-000	$39.14
122	013-091-075-000	$39.14
123	013-091-076-000	$39.14
124	013-091-077-000	$39.14
125	013-130-002-000	$39.14
126	013-130-003-000	$39.14
127	013-130-004-000	$39.14
128	013-130-005-000	$39.14
129	013-130-006-000	$39.14
130	013-130-007-000	$39.14
131	013-130-008-000	$39.14
132	013-130-009-000	$39.14
133	013-130-010-000	$39.14
134	013-130-011-000	$39.14
135	013-130-012-000	$39.14
136	013-130-013-000	$39.14
137	013-130-014-000	$39.14
138	013-130-015-000	$39.14
139	013-130-016-000	$39.14
140	013-130-017-000	$39.14
141	013-130-018-000	$39.14
142	013-130-019-000	$39.14
143	013-130-020-000	$39.14
144	013-130-021-000	$39.14
145	013-130-022-000	$39.14
146	013-130-023-000	$39.14
147	013-130-024-000	$39.14
148	013-130-025-000	$39.14
149	013-130-026-000	$39.14
150	013-130-027-000	$39.14
151	013-130-028-000	$39.14
152	013-130-029-000	$39.14
153	013-130-030-000	$39.14
154	013-130-031-000	$39.14
155	013-130-032-000	$39.14
156	013-130-033-000	$39.14
157	013-130-034-000	$39.14
158	013-130-035-000	$39.14
159	013-130-036-000	$39.14
160	013-130-037-000	$39.14

Assessment Number	Assessor's Parcel Number	Assessment
161	013-130-038-000	$39.14
162	013-130-039-000	$39.14
163	013-130-040-000	$39.14
164	013-130-041-000	$39.14
165	013-130-042-000	$39.14
166	013-130-043-000	$39.14
167	013-130-044-000	$39.14
168	013-130-045-000	$39.14
169	013-130-046-000	$39.14
170	013-130-047-000	$39.14
171	013-130-048-000	$39.14
172	013-130-049-000	$39.14
173	013-130-050-000	$39.14
174	013-130-051-000	$39.14
175	013-130-052-000	$39.14
176	013-130-053-000	$39.14
177	013-130-054-000	$39.14
178	013-130-055-000	$39.14
179	013-130-056-000	$39.14
180	013-130-057-000	$39.14
181	013-130-058-000	$39.14
182	013-130-059-000	$39.14
183	013-131-001-000	$39.14
184	013-131-002-000	$39.14
185	013-131-003-000	$39.14
186	013-131-004-000	$39.14
187	013-131-005-000	$39.14
188	013-131-006-000	$39.14
189	013-131-007-000	$39.14
190	013-131-008-000	$39.14
191	013-131-009-000	$39.14
192	013-131-010-000	$39.14
193	013-140-001-000	$39.14
194	013-140-002-000	$39.14
195	013-140-003-000	$39.14
196	013-140-004-000	$39.14
197	013-140-005-000	$39.14
198	013-140-006-000	$39.14
199	013-140-007-000	$39.14
200	013-140-008-000	$39.14
201	013-140-009-000	$39.14
202	013-140-010-000	$39.14
203	013-140-011-000	$39.14
204	013-140-012-000	$39.14
205	013-140-013-000	$39.14
206	013-140-014-000	$39.14
207	013-140-015-000	$39.14
208	013-140-016-000	$39.14
209	013-140-017-000	$39.14
210	013-140-018-000	$39.14
211	013-140-019-000	$39.14
212	013-140-020-000	$39.14
213	013-140-021-000	$39.14
214	013-140-022-000	$39.14
215	013-140-023-000	$39.14
216	013-140-024-000	$39.14
217	013-140-025-000	$39.14
218	013-140-026-000	$39.14
219	013-140-027-000	$39.14
220	013-140-028-000	$39.14
221	013-140-037-000	$47.00
222	013-140-038-000	$70.50
223	013-140-039-000	$47.00
224	013-141-005-000	$172.20
225	013-140-048-000	$54.80
226	013-140-053-000	$177.28
237	013-150-003-000	$39.14
238	013-150-004-000	$39.14
239	013-150-005-000	$39.14
240	013-150-006-000	$39.14
241	013-150-007-000	$39.14
242	013-150-008-000	$39.14
243	013-150-009-000	$39.14
244	013-150-010-000	$39.14
245	013-150-011-000	$39.14
246	013-150-012-000	$39.14
247	013-150-013-000	$39.14
248	013-150-014-000	$39.14
249	013-150-015-000	$39.14
250	013-150-016-000	$39.14
251	013-150-017-000	$39.14
252	013-151-001-000	$39.14
253	013-151-002-000	$39.14
254	013-151-003-000	$39.14
255	013-151-004-000	$39.14
256	013-151-005-000	$39.14
257	013-151-006-000	$39.14
258	013-151-007-000	$39.14
259	013-151-008-000	$39.14
260	013-151-009-000	$39.14

Assessment Number	Assessor's Parcel Number	Assessment			Assessment Number	Assessor's Parcel Number	Assessment
261	013-151-010-000	$39.14			301	013-160-015-000	$211.34
262	013-151-011-000	$39.14			302	013-160-016-000	$3,784.80
263	013-151-012-000	$39.14			303	013-160-019-000	$66.60
264	013-151-013-000	$39.14			304	013-160-020-000	$47.24
265	013-151-014-000	$39.14			305	013-160-021-000	$440.18
266	013-151-015-000	$39.14			306	013-160-022-000	$210.48
267	013-151-016-000	$39.14			307	013-160-023-000	$196.66
268	013-151-017-000	$39.14			308	013-160-025-000	$77.62
269	013-151-018-000	$39.12	Madera Co.		309	013-160-024-000	$240.94
270	013-151-019-000	$39.14			310	013-160-026-000	$2,701.06
271	013-151-020-000	$39.14			311	013-160-017-000	$125.84
272	013-151-021-000	$39.14			312	013-160-018-000	$80.42
273	013-151-022-000	$39.14		*	313	013-110-032-000	$0.00
274	013-151-023-000	$39.14		*	314	013-110-007-000	$0.00
275	013-151-024-000	$39.14		*	315	013-110-023-000	$0.00
276	013-151-025-000	$39.14		*	316	013-110-024-000	$0.00
277	013-151-026-000	$39.14		*	317	013-110-010-000	$0.00
278	013-151-027-000	$39.14			319	013-141-006-000	$70.44
279	013-151-034-000	$190.56			320	013-141-027-000	$140.84
280	013-151-035-000	$266.08			321	013-141-030-000	$57.52
281	013-152-001-000	$39.14			322	0	$0.00
282	013-152-002-000	$39.14			323	013-141-031-000	$60.28
283	013-152-003-000	$39.14			324	013-141-025-000	$138.12
284	013-152-004-000	$39.14			325	013-141-026-000	$60.24
285	013-152-005-000	$39.14			326	013-141-023-000	$83.36
286	013-152-006-000	$39.14			327	013-141-010-000	$39.14
287	013-152-007-000	$39.14			328	013-141-029-000	$234.74
288	013-152-008-000	$39.14					
289	013-152-009-000	$39.14			329	013-141-032-000	$28.60
290	013-152-010-000	$39.14			330	013-141-033-000	$26.24
291	013-152-011-000	$39.14			331	013-070-046-000	$201.08
292	013-152-012-000	$39.14			332	013-070-047-000	$471.90
293	013-153-001-000	$39.14					
294	013-153-002-000	$39.14					
295	013-153-003-000	$39.14				TOTAL ASSESSMENT:	$33,844.30
296	013-153-004-000	$39.14					
297	013-153-005-000	$39.14			Madera Co.	$39.12	
298	013-160-005-000	$1,304.38			Total to Assessor	$33,805.18	
299	013-160-013-000	$211.28					
300	013-160-014-000	$3,208.08					

* - Weren't on the list of apn's when the zone was started in 1998.

CITY OF MADERA

ZONE 3

2016-2017

1.	BEGINNING FUND BALANCE				$	194.00
2.	LANDSCAPE MAINTENANCE COSTS		$	4,512.36		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	552.46		
	b.	ENGINEERING ADMINISTRATION	$	604.59		
	c.	LEGAL ADMINISTRATION	$	48.90		
	d.	FINANCE ADMINISTRATION	$	131.21		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	1,077.36		
	g.	EQUIPMENT	$	569.23		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	518.04		
				TOTAL COSTS:	$	8,014.15
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(113.25)
5.	TOTAL ASSESSMENT				$	7,706.90
6.	AVERAGE ASSESSMENT PER PARCEL					44.81

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 3
MANSIONETTE ESTATES 1, 2, & 3
TOTAL ASSESSMENT:
$7,706.90

Assessment Number	Assessor's Parcel Number	Assessment
1	006-390-011-000	$1,336.78
2	006-390-013-000	$72.92
3	006-390-014-000	$72.92
4	006-390-016-000	$1,142.34
5	006-390-019-000	$48.62
6	006-390-020-000	$48.62
7	006-390-021-000	$121.54
8	006-390-022-000	$145.54
9	006-390-027-000	$437.52
11	006-390-025-000	$148.56
12	006-390-026-000	$240.34
13	006-420-001-000	$24.32
14	006-420-002-000	$24.32
15	006-420-003-000	$24.32
16	006-420-004-000	$24.32
17	006-420-005-000	$24.32
18	006-420-006-000	$24.32
19	006-420-007-000	$24.32
20	006-420-008-000	$24.32
21	006-420-055-000	$24.32
22	006-420-056-000	$24.32
23	006-420-057-000	$24.32
24	006-420-012-000	$24.32
25	006-420-058-000	$24.32
26	006-420-059-000	$24.32
27	006-420-015-000	$24.32
28	006-420-016-000	$24.32
29	006-420-017-000	$24.32
30	006-420-018-000	$24.32
31	006-420-019-000	$24.32
32	006-420-020-000	$24.32
33	006-420-021-000	$24.32
34	006-420-022-000	$24.32
35	006-420-023-000	$24.32
36	006-420-024-000	$24.32
37	006-420-025-000	$24.32
38	006-420-026-000	$24.32
39	006-420-027-000	$24.32
40	006-420-028-000	$24.32
41	006-420-029-000	$24.32
42	006-420-030-000	$24.32
43	006-420-031-000	$24.32
44	006-420-032-000	$24.32
45	006-420-033-000	$24.32
46	006-420-034-000	$24.32
47	006-420-035-000	$24.32
48	006-420-036-000	$24.32
49	006-420-037-000	$24.32
50	006-420-038-000	$24.32
51	006-420-039-000	$24.32
52	006-420-040-000	$24.32
53	006-420-041-000	$24.32
54	006-420-042-000	$24.32
55	006-420-043-000	$24.32
56	006-420-044-000	$24.32
57	006-420-045-000	$24.32
58	006-420-046-000	$24.32
59	006-420-047-000	$24.32
60	006-420-048-000	$24.32
61	006-420-049-000	$24.32
62	006-420-050-000	$24.32
63	006-420-051-000	$24.32
64	006-420-052-000	$24.32
65	006-420-053-000	$24.32
66	006-440-026-000	$24.32
67	006-440-027-000	$24.32
68	006-440-003-000	$24.32
69	006-440-004-000	$24.32
70	006-440-005-000	$24.32
71	006-440-006-000	$24.32
72	006-440-007-000	$24.32
73	006-440-008-000	$24.32
74	006-440-009-000	$24.32
75	006-440-010-000	$24.32
76	006-440-011-000	$24.32
77	006-441-001-000	$24.32
78	006-441-002-000	$24.32
79	006-440-021-000	$24.32
80	006-440-020-000	$24.32
81	006-440-019-000	$24.32
82	006-440-025-000	$24.32
117	006-422-015-000	$24.32
118	006-422-014-000	$24.32
119	006-422-013-000	$24.32
120	006-422-012-000	$24.32
121	006-422-011-000	$24.32
122	006-422-010-000	$24.32
123	006-422-009-000	$24.32
124	006-422-008-000	$24.32
125	006-422-007-000	$24.32
126	006-422-006-000	$24.32
127	006-422-005-000	$24.32

Assessment Number	Assessor's Parcel Number	Assessment
83	006-440-024-000	$24.32
84	006-440-015-000	$24.32
85	006-440-014-000	$24.32
86	006-440-013-000	$24.32
87	006-440-012-000	$24.32
88	006-441-014-000	$24.32
89	006-441-013-000	$24.32
90	006-441-012-000	$24.32
91	006-441-011-000	$24.32
92	006-441-010-000	$24.32
93	006-441-009-000	$24.32
94	006-441-008-000	$24.32
95	006-441-007-000	$24.32
96	006-441-006-000	$24.32
97	006-441-005-000	$24.32
98	006-441-004-000	$24.32
99	006-441-003-000	$24.32
100	006-422-032-000	$24.32
101	006-422-031-000	$24.32
102	006-422-030-000	$24.32
103	006-422-029-000	$24.32
104	006-422-028-000	$24.32
105	006-422-027-000	$24.32
106	006-422-026-000	$24.32
107	006-422-025-000	$24.32
108	006-422-024-000	$24.32
109	006-422-023-000	$24.32
110	006-422-022-000	$24.32
111	006-422-021-000	$24.32
112	006-422-020-000	$24.32
113	006-422-019-000	$24.32
114	006-422-018-000	$24.32
115	006-422-017-000	$24.32
116	006-422-016-000	$24.32
128	006-422-004-000	$24.32
129	006-422-003-000	$24.32
130	006-422-002-000	$24.32
131	006-422-001-000	$24.32
132	006-421-014-000	$24.32
133	006-421-013-000	$24.32
134	006-421-012-000	$24.32
135	006-421-011-000	$24.32
136	006-421-010-000	$24.32
137	006-421-009-000	$24.32
138	006-421-008-000	$24.32
139	006-421-007-000	$24.32
140	006-421-006-000	$24.32
141	006-421-043-000	$24.32
142	006-421-044-000	$24.32
143	006-421-022-000	$24.32
144	006-421-021-000	$24.32
145	006-421-020-000	$24.32
146	006-421-019-000	$24.32
147	006-421-018-000	$24.32
148	006-421-017-000	$24.32
149	006-421-016-000	$24.32
150	006-421-015-000	$24.32
151	006-421-031-000	$24.32
152	006-421-030-000	$24.32
153	006-421-029-000	$24.32
154	006-421-028-000	$24.32
155	006-421-027-000	$24.32
156	006-421-026-000	$24.32
157	006-421-025-000	$24.32
158	006-421-024-000	$24.32
159	006-421-023-000	$24.32
160	006-421-003-000	$24.32
161	006-421-002-000	$24.32
162	006-421-001-000	$24.32
163	006-421-041-000	$24.32
164	006-421-040-000	$24.32
165	006-421-039-000	$24.32
166	006-421-038-000	$24.32
167	006-421-037-000	$24.32
168	006-421-036-000	$24.32
169	006-421-035-000	$24.32
170	006-421-034-000	$24.32
171	006-421-033-000	$24.32
172	006-421-032-000	$24.32
	TOTAL	$7,706.90

CITY OF MADERA

ZONE 4

2016-2017

1.	BEGINNING FUND BALANCE				$	3,181.35
2.	LANDSCAPE MAINTENANCE COSTS		$	5,961.54		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,333.38		
	b.	ENGINEERING ADMINISTRATION	$	1,924.58		
	c.	LEGAL ADMINISTRATION	$	155.67		
	d.	FINANCE ADMINISTRATION	$	417.68		
	e.	TREE TRIMMING	$	3,555.00		
	f.	GAS & UTILITIES	$	1,216.41		
	g.	EQUIPMENT	$	339.92		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	684.41		
				TOTAL COSTS:	$	15,588.58
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					6,633.38
5.	TOTAL ASSESSMENT				$	19,040.61
6.	AVERAGE ASSESSMENT PER PARCEL					75.86

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 4
WESTGATE NORTHWEST 1 & 2
TOTAL ASSESSMENT:
$19,040.61

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-251-001-000	$76.16	36	006-251-050-000	$76.16
2	006-251-002-000	$76.16	37	006-251-049-000	$76.16
3	006-251-003-000	$76.16	38	006-251-048-000	$76.16
4	006-251-004-000	$76.16	39	006-251-047-000	$76.16
5	006-251-005-000	$76.16	40	006-251-046-000	$76.16
6	006-251-006-000	$76.16	41	006-251-045-000	$76.16
7	006-251-007-000	$76.16	42	006-251-044-000	$76.16
8	006-251-008-000	$76.16	43	006-251-043-000	$76.16
9	006-251-072-000	$76.16	44	006-251-042-000	$76.16
10	006-251-071-000	$76.16	45	006-251-041-000	$76.16
11	006-251-070-000	$76.16	46	006-251-040-000	$76.16
12	006-251-013-000	$76.16	47	006-251-039-000	$76.16
13	006-251-014-000	$76.16	48	006-251-038-000	$76.16
14	006-251-015-000	$76.16	49	006-251-037-000	$76.16
15	006-251-016-000	$76.16	50	006-251-036-000	$76.16
16	006-251-069-000	$76.16	51	006-251-035-000	$76.16
17	006-251-068-000	$76.16	52	006-251-034-000	$76.16
18	006-251-067-000	$76.16	53	006-251-033-000	$76.16
19	006-251-066-000	$76.16	54	006-251-032-000	$76.16
20	006-251-022-000	$76.16	55	006-251-031-000	$76.16
21	006-251-023-000	$76.16	56	006-251-030-000	$76.16
22	006-251-064-000	$76.16	57	006-251-029-000	$76.16
23	006-251-063-000	$76.16	58	006-251-073-000	$76.16
24	006-251-062-000	$76.16	60	006-251-026-000	$76.16
25	006-251-061-000	$76.16			
26	006-251-060-000	$76.16	61	006-251-025-000	$76.16
27	006-251-059-000	$76.16	62	006-251-024-000	$76.16
28	006-251-058-000	$76.16	63	006-252-028-000	$76.16
29	006-251-057-000	$76.16	64	006-252-027-000	$76.16
30	006-251-056-000	$76.16	65	006-252-026-000	$76.16
31	006-251-055-000	$76.16	66	006-252-025-000	$76.16
32	006-251-054-000	$76.16	67	006-252-024-000	$76.16
33	006-251-053-000	$76.16	68	006-252-023-000	$76.16
34	006-251-052-000	$76.16	69	006-252-022-000	$76.16
35	006-251-051-000	$76.16	70	006-252-021-000	$76.16
71	006-252-020-000	$76.16	116	006-253-048-000	$76.16
72	006-252-019-000	$76.16	117	006-253-047-000	$76.16
73	006-252-018-000	$76.16	118	006-253-046-000	$76.16
74	006-252-017-000	$76.16	119	006-253-045-000	$76.16
75	006-252-016-000	$76.16	120	006-255-018-000	$76.16

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
76	006-252-015-000	$76.16	121	006-255-017-000	$76.16
77	006-252-036-000	$76.16	122	006-255-016-000	$76.16
78	006-252-035-000	$76.16	123	006-255-015-000	$76.16
79	006-252-034-000	$76.16	124	006-255-014-000	$76.16
80	006-252-033-000	$76.16	125	006-255-013-000	$76.16
81	006-252-032-000	$76.16	126	006-255-012-000	$76.16
82	006-252-031-000	$76.16	127	006-255-011-000	$76.16
83	006-252-030-000	$76.16	128	006-255-063-000	$76.16
84	006-252-029-000	$76.16	129	006-255-062-000	$76.16
85	006-252-044-000	$76.16	130	006-255-055-000	$76.16
86	006-252-043-000	$76.16	131	006-255-054-000	$76.16
87	006-252-042-000	$76.16	132	006-255-005-000	$76.16
88	006-252-041-000	$76.16	133	006-255-004-000	$76.16
89	006-252-040-000	$76.16	134	006-255-061-000	$76.16
90	006-252-039-000	$76.16	135	006-254-049-000	$76.16
91	006-252-038-000	$76.16	136	006-254-024-000	$76.16
92	006-252-037-000	$76.16	137	006-254-023-000	$76.16
93	006-252-014-000	$76.16	138	006-254-022-000	$76.16
94	006-252-013-000	$76.16	139	006-254-059-000	$76.16
95	006-252-012-000	$76.16	140	006-254-060-000	$76.16
96	006-252-011-000	$76.16	141	006-254-061-000	$76.16
97	006-252-010-000	$76.16	142	006-254-055-000	$76.16
98	006-252-009-000	$76.16	143	006-254-015-000	$76.16
99	006-252-008-000	$76.16	144	006-254-014-000	$76.16
100	006-252-007-000	$76.16	145	006-254-013-000	$76.16
101	006-252-006-000	$76.16	146	006-254-065-000	$76.16
102	006-252-005-000	$76.16	147	006-254-064-000	$76.16
103	006-252-004-000	$76.16	148	006-254-063-000	$76.16
104	006-252-003-000	$76.16	149	006-254-062-000	$76.16
105	006-252-002-000	$76.16	150	006-254-007-000	$76.16
106	006-252-001-000	$76.16	151	006-254-006-000	$76.16
107	006-253-057-000	$76.16	152	006-254-005-000	$76.16
108	006-253-056-000	$76.16	153	006-254-004-000	$76.16
109	006-253-055-000	$76.16	154	006-254-003-000	$76.16
110	006-253-054-000	$76.16	155	006-254-002-000	$76.16
111	006-253-053-000	$76.16	156	006-254-001-000	$76.16
112	006-253-052-000	$76.16	157	006-254-037-000	$76.16
113	006-253-051-000	$76.16	158	006-254-036-000	$76.16
114	006-253-050-000	$76.16	159	006-254-035-000	$76.16
115	006-253-049-000	$76.16	160	006-254-067-000	$76.16

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
161	006-254-066-000	$76.16	206	006-255-020-000	$76.16
162	006-254-031-000	$76.16	207	006-255-019-000	$76.16
163	006-254-054-000	$76.16	208	006-253-044-000	$76.16
164	006-254-053-000	$76.16	209	006-253-043-000	$76.16
165	006-254-052-000	$76.16	210	006-253-042-000	$76.16
166	006-254-051-000	$76.16	211	006-253-041-000	$76.16
167	006-254-050-000	$76.16	212	006-253-040-000	$76.16
168	006-255-068-000	$76.16	213	006-253-039-000	$76.16
169	006-255-067-000	$76.16	214	006-253-038-000	$76.16
170	006-255-066-000	$76.16	215	006-253-037-000	$76.16
171	006-255-065-000	$76.16	216	006-253-036-000	$76.16
172	006-255-064-000	$76.16	217	006-253-034-000	$76.16
173	006-255-045-000	$76.16	218	006-253-033-000	$76.16
174	006-255-044-000	$76.16	219	006-253-032-000	$76.16
175	006-255-043-000	$76.16	220	006-253-031-000	$76.16
176	006-255-042-000	$76.16	221	006-253-030-000	$76.16
177	006-255-041-000	$76.16	222	006-253-029-000	$76.16
178	006-255-040-000	$76.16	223	006-253-028-000	$76.16
179	006-255-039-000	$76.16	224	006-253-027-000	$76.16
180	006-255-038-000	$76.16	225	006-253-026-000	$76.16
181	006-255-037-000	$76.16	226	006-253-025-000	$76.16
182	006-255-036-000	$76.16	227	006-253-024-000	$76.16
183	006-255-035-000	$76.16	228	006-253-023-000	$76.16
184	006-255-034-000	$76.16	229	006-253-022-000	$76.16
185	006-254-042-000	$76.16	230	006-253-021-000	$76.16
186	006-254-041-000	$76.16	231	006-253-020-000	$76.16
187	006-254-040-000	$76.16	232	006-253-019-000	$76.16
188	006-254-039-000	$76.16	233	006-253-001-000	$76.16
189	006-254-038-000	$76.16	234	006-253-002-000	$76.16
190	006-254-047-000	$76.16	235	006-253-003-000	$76.16
191	006-254-046-000	$76.16	236	006-253-004-000	$76.16
192	006-254-045-000	$76.16	237	006-253-005-000	$76.16
193	006-254-044-000	$76.16	238	006-253-059-000	$76.16
194	006-254-043-000	$76.16	239	006-253-060-000	$76.16
195	006-255-033-000	$76.16	240	006-253-008-000	$76.16
196	006-255-032-000	$76.16	241	006-253-009-000	$76.16
197	006-255-031-000	$76.16	242	006-253-010-000	$76.16
198	006-255-030-000	$76.16	243	006-253-011-000	$76.16
199	006-255-071-000	$76.16	244	006-253-012-000	$76.16
200	006-255-070-000	$76.16	245	006-253-013-000	$76.16
201	006-255-069-000	$76.16	246	006-253-014-000	$76.16
202	006-255-025-000	$76.16	247	006-253-015-000	$76.16
203	006-255-060-000	$76.16	248	006-253-016-000	$76.16
204	006-255-059-000	$76.16	249	006-253-017-000	$76.16
205	006-255-058-000	$76.16	250	006-253-018-000	$76.16
251	006-253-035-000	$76.16			
	TOTAL	**$19,040.61**			

CITY OF MADERA

ZONE 6A

2016-2017

1.	BEGINNING FUND BALANCE				$	3,935.54
2.	LANDSCAPE MAINTENANCE COSTS		$	7,646.63		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,666.21		
	b.	ENGINEERING ADMINISTRATION	$	876.90		
	c.	LEGAL ADMINISTRATION	$	70.93		
	d.	FINANCE ADMINISTRATION	$	190.31		
	e.	TREE TRIMMING	$	1,305.00		
	f.	GAS & UTILITIES	$	1,843.62		
	g.	EQUIPMENT	$	436.01		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	877.87		
				TOTAL COSTS:	$	14,913.46
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					6,625.47
5.	TOTAL ASSESSMENT				$	17,604.49
6.	AVERAGE ASSESSMENT PER PARCEL				$	160.03

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 6A
WOODLAND HILLS/BASILA
TOTAL ASSESSMENT:
$17,604.49

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-300-009-000	$160.04	36	009-400-034-000	$160.04
2	009-300-010-000	$160.04	37	009-400-035-000	$160.04
3	009-400-001-000	$160.04	38	009-400-036-000	$160.04
4	009-400-002-000	$160.04	39	009-421-001-000	$160.04
5	009-400-003-000	$160.04	40	009-421-002-000	$160.04
6	009-400-004-000	$160.04	41	009-421-003-000	$160.04
7	009-400-005-000	$160.04	42	009-421-004-000	$160.04
8	009-400-006-000	$160.04	43	009-421-005-000	$160.04
9	009-400-007-000	$160.04	44	009-421-006-000	$160.04
10	009-400-008-000	$160.04	45	009-421-007-000	$160.04
11	009-400-009-000	$160.04	46	009-421-008-000	$160.04
12	009-400-010-000	$160.04	47	009-421-009-000	$160.04
13	009-400-011-000	$160.04	48	009-421-010-000	$160.04
14	009-400-012-000	$160.04	49	009-421-011-000	$160.04
15	009-400-013-000	$160.04	50	009-421-012-000	$160.04
16	009-400-014-000	$160.04	51	009-421-013-000	$160.04
17	009-400-015-000	$160.04	52	009-421-014-000	$160.04
18	009-400-016-000	$160.04	53	009-421-015-000	$160.04
19	009-400-017-000	$160.04	54	009-421-016-000	$160.04
20	009-400-018-000	$160.04	55	009-421-017-000	$160.04
21	009-400-019-000	$160.04	56	009-421-018-000	$160.04
22	009-400-020-000	$160.04	57	009-421-019-000	$160.04
23	009-400-021-000	$160.04	58	009-421-020-000	$160.04
24	009-400-022-000	$160.04	59	009-421-021-000	$160.04
25	009-400-023-000	$160.04	60	009-421-022-000	$160.04
26	009-400-024-000	$160.04	61	009-421-023-000	$160.04
27	009-400-025-000	$160.04	62	009-422-001-000	$160.04
28	009-400-026-000	$160.04	63	009-422-002-000	$160.04
29	009-400-027-000	$160.04	64	009-422-003-000	$160.04
30	009-400-028-000	$160.04	65	009-422-004-000	$160.04
31	009-400-029-000	$160.04	66	009-422-005-000	$160.04
32	009-400-030-000	$160.04	67	009-422-006-000	$160.04
33	009-400-031-000	$160.04	68	009-422-007-000	$160.04
34	009-400-032-000	$160.04	69	009-422-008-000	$160.04
35	009-400-033-000	$160.04	70	009-422-009-000	$160.04

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	009-422-010-000	$160.04			
72	009-422-011-000	$160.04			
73	009-422-012-000	$160.04			
74	009-422-013-000	$160.04			
75	009-423-001-000	$160.04			
76	009-423-002-000	$160.04			
77	009-423-003-000	$160.04			
78	009-423-004-000	$160.04			
79	009-423-005-000	$160.04			
80	009-423-006-000	$160.04			
81	009-423-007-000	$160.04			
82	009-423-008-000	$160.04			
83	009-423-009-000	$160.04			
84	009-423-010-000	$160.04			
85	009-423-011-000	$160.04			
86	009-423-012-000	$160.04			
87	009-423-013-000	$160.04			
88	009-423-014-000	$160.04			
89	009-423-015-000	$160.04			
90	009-423-016-000	$160.04			
91	009-423-017-000	$160.04			
92	009-423-018-000	$160.04			
93	009-423-019-000	$160.04			
94	009-423-020-000	$160.04			
95	009-423-021-000	$160.04			
96	009-423-022-000	$160.04			
97	009-423-023-000	$160.04			
98	009-423-024-000	$160.04			
99	009-423-025-000	$160.04			
100	009-423-026-000	$160.04			
101	009-423-027-000	$160.04			
102	009-423-028-000	$160.04			
103	009-423-029-000	$160.04			
104	009-423-030-000	$160.04			
105	009-423-031-000	$160.04			
106	009-423-032-000	$160.04			
107	009-423-033-000	$160.04			
108	009-423-034-000	$160.04			
109	009-423-035-000	$160.04			
110	009-423-036-000	$160.04			
	TOTAL	**$17,604.49**			

CITY OF MADERA

ZONE 6B

2016-2017

1.	BEGINNING FUND BALANCE				$	1,618.87
2.	LANDSCAPE MAINTENANCE COSTS		$	3,979.08		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,333.38		
	b.	ENGINEERING ADMINISTRATION	$	1,092.38		
	c.	LEGAL ADMINISTRATION	$	88.36		
	d.	FINANCE ADMINISTRATION	$	237.07		
	e.	TREE TRIMMING	$	833.00		
	f.	GAS & UTILITIES	$	535.22		
	g.	EQUIPMENT	$	226.89		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	456.82		
				TOTAL COSTS:	$	8,782.18
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,076.64
5.	TOTAL ASSESSMENT				$	8,239.95
6.	AVERAGE ASSESSMENT PER PARCEL				$	59.28

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 6B
SUNSET SOUTHWEST 1, 2, 3, 4, & 5
TOTAL ASSESSMENT:
$8,239.95

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-390-002-000	$59.28	36	009-390-040-000	$59.28
2	009-390-003-000	$59.28	37	009-390-041-000	$59.28
3	009-390-004-000	$59.28	38	009-390-042-000	$59.28
4	009-390-005-000	$59.28	39	009-390-043-000	$59.28
5	009-390-006-000	$59.28	40	009-390-044-000	$59.28
6	009-390-007-000	$59.28	41	009-390-045-000	$59.28
7	009-390-008-000	$59.28	42	009-390-046-000	$59.28
8	009-390-009-000	$59.28	43	009-390-047-000	$59.28
9	009-390-010-000	$59.28	44	009-390-048-000	$59.28
10	009-390-011-000	$59.28	45	009-390-049-000	$59.28
11	009-390-012-000	$59.28	46	009-390-050-000	$59.28
12	009-390-013-000	$59.28	47	009-390-051-000	$59.28
13	009-390-014-000	$59.28	48	009-390-052-000	$59.28
14	009-390-015-000	$59.28	49	009-390-053-000	$59.28
15	009-390-016-000	$59.28	50	009-390-054-000	$59.28
16	009-390-017-000	$59.28	51	009-390-055-000	$59.28
17	009-390-018-000	$59.28	52	009-390-056-000	$59.28
18	009-390-019-000	$59.28	53	009-390-057-000	$59.28
19	009-390-020-000	$59.28	54	009-390-058-000	$59.28
20	009-390-021-000	$59.28	55	009-390-061-000	$59.28
21	009-390-022-000	$59.28	56	009-390-062-000	$59.28
22	009-390-023-000	$59.28	57	009-390-063-000	$59.28
23	009-390-024-000	$59.28	58	009-390-064-000	$59.28
24	009-390-025-000	$59.28	59	009-390-065-000	$59.28
25	009-390-026-000	$59.28	60	009-390-066-000	$59.28
26	009-390-027-000	$59.28	61	009-390-067-000	$59.28
27	009-390-031-000	$59.28	62	009-390-068-000	$59.28
28	009-390-032-000	$59.28	63	009-390-069-000	$59.28
29	009-390-033-000	$59.28	64	009-390-070-000	$59.28
30	009-390-034-000	$59.28	65	009-390-071-000	$59.28
31	009-390-035-000	$59.28	66	009-390-072-000	$59.28
32	009-390-036-000	$59.28	67	009-390-073-000	$59.28
33	009-390-037-000	$59.28	68	009-390-074-000	$59.28
34	009-390-038-000	$59.28	69	009-390-075-000	$59.28
35	009-390-039-000	$59.28	70	009-390-076-000	$59.28

Assessment Number	Assessor's Parcel Number	Assessment
71	009-390-077-000	$59.28
72	009-390-078-000	$59.28
73	009-390-079-000	$59.28
74	009-390-080-000	$59.28
75	009-390-081-000	$59.28
76	009-390-082-000	$59.28
77	009-390-083-000	$59.28
78	009-390-084-000	$59.28
79	009-390-085-000	$59.28
80	009-390-086-000	$59.28
81	009-390-087-000	$59.28
82	009-390-088-000	$59.28
83	009-430-001-000	$59.28
84	009-430-002-000	$59.28
85	009-430-003-000	$59.28
86	009-430-004-000	$59.28
87	009-430-005-000	$59.28
88	009-430-006-000	$59.28
89	009-430-007-000	$59.28
90	009-430-008-000	$59.28
91	009-430-009-000	$59.28
92	009-430-010-000	$59.28
93	009-430-011-000	$59.28
94	009-430-012-000	$59.28
95	009-430-013-000	$59.28
96	009-430-014-000	$59.28
97	009-430-015-000	$59.28
98	009-430-016-000	$59.28
99	009-430-017-000	$59.28
100	009-430-018-000	$59.28
101	009-430-019-000	$59.28
102	009-430-020-000	$59.28
103	009-430-021-000	$59.28
104	009-430-022-000	$59.28
105	009-430-023-000	$59.28
106	009-430-024-000	$59.28
107	009-430-025-000	$59.28
108	009-430-026-000	$59.28
109	009-430-029-000	$59.28
110	009-430-032-000	$59.28
111	009-430-034-000	$59.28
112	009-430-035-000	$59.28
113	009-430-036-000	$59.28
114	009-430-037-000	$59.28
115	009-430-038-000	$59.28
116	009-430-039-000	$59.28
117	009-430-040-000	$59.28
118	009-430-041-000	$59.28
119	009-430-042-000	$59.28
120	009-430-043-000	$59.28
121	009-430-044-000	$59.28
122	009-430-045-000	$59.28
123	009-430-046-000	$59.28
124	009-430-047-000	$59.28
125	009-430-048-000	$59.28
126	009-430-049-000	$59.28
127	009-430-050-000	$59.28
128	009-430-051-000	$59.28
129	009-430-052-000	$59.28
130	009-430-053-000	$59.28
131	009-430-054-000	$59.28
132	009-430-055-000	$59.28
133	009-430-056-000	$59.28
134	009-430-057-000	$59.28
135	009-430-058-000	$59.28
136	009-430-059-000	$59.28
137	009-430-060-000	$59.28
138	009-430-061-000	$59.28
139	009-430-062-000	$59.28
	TOTAL	$8,239.95

CITY OF MADERA

ZONE 7

2016-2017

1.	BEGINNING FUND BALANCE (CREDIT/DEBIT)				$	0.00
2.	LANDSCAPE MAINTENANCE COSTS		$	1,631.82		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	244.23		
	b.	ENGINEERING ADMINISTRATION	$	345.34		
	c.	LEGAL ADMINISTRATION	$	27.93		
	d.	FINANCE ADMINISTRATION	$	74.95		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	498.10		
	g.	EQUIPMENT	$	296.32		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	187.34		
				TOTAL COSTS:	$	3,306.03
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					165.97
5.	TOTAL ASSESSMENT				$	3,472.00
6.	AVERAGE ASSESSMENT PER PARCEL				$	24.80

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 7 - TOWN & COUNTRY ESTATES

TOTAL ASSESSMENT:
$3,472.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-370-001-000	$24.80	36	009-370-036-000	$24.80
2	009-370-002-000	$24.80	37	009-370-037-000	$24.80
3	009-370-003-000	$24.80	38	009-370-038-000	$24.80
4	009-370-004-000	$24.80	39	009-370-039-000	$24.80
5	009-370-005-000	$24.80	40	009-370-040-000	$24.80
6	009-370-006-000	$24.80	41	009-370-041-000	$24.80
7	009-370-007-000	$24.80	42	009-370-042-000	$24.80
8	009-370-008-000	$24.80	43	009-370-043-000	$24.80
9	009-370-009-000	$24.80	44	009-370-044-000	$24.80
10	009-370-010-000	$24.80	45	009-370-045-000	$24.80
11	009-370-011-000	$24.80	46	009-370-046-000	$24.80
12	009-370-012-000	$24.80	47	009-370-047-000	$24.80
13	009-370-013-000	$24.80	48	009-370-048-000	$24.80
14	009-370-014-000	$24.80	49	009-370-049-000	$24.80
15	009-370-015-000	$24.80	50	009-370-050-000	$24.80
16	009-370-016-000	$24.80	51	009-370-051-000	$24.80
17	009-370-017-000	$24.80	52	009-370-052-000	$24.80
18	009-370-018-000	$24.80	53	009-370-053-000	$24.80
19	009-370-019-000	$24.80	54	009-370-054-000	$24.80
20	009-370-020-000	$24.80	55	009-380-001-000	$24.80
21	009-370-021-000	$24.80	56	009-380-002-000	$24.80
22	009-370-022-000	$24.80	57	009-380-003-000	$24.80
23	009-370-023-000	$24.80	58	009-380-004-000	$24.80
24	009-370-024-000	$24.80	59	009-380-005-000	$24.80
25	009-370-025-000	$24.80	60	009-380-006-000	$24.80
26	009-370-026-000	$24.80	61	009-380-007-000	$24.80
27	009-370-027-000	$24.80	62	009-380-008-000	$24.80
28	009-370-028-000	$24.80	63	009-380-009-000	$24.80
29	009-370-029-000	$24.80	64	009-380-010-000	$24.80
30	009-370-030-000	$24.80	65	009-380-011-000	$24.80
31	009-370-031-000	$24.80	66	009-380-012-000	$24.80
32	009-370-032-000	$24.80	67	009-380-013-000	$24.80
33	009-370-033-000	$24.80	68	009-380-014-000	$24.80
34	009-370-034-000	$24.80	69	009-380-015-000	$24.80
35	009-370-035-000	$24.80	70	009-380-016-000	$24.80
71	009-380-017-000	$24.80	116	009-380-062-000	$24.80

Assessment Number	Assessor's Parcel Number	Assessment
72	009-380-018-000	$24.80
73	009-380-019-000	$24.80
74	009-380-020-000	$24.80
75	009-380-021-000	$24.80
76	009-380-022-000	$24.80
77	009-380-023-000	$24.80
78	009-380-024-000	$24.80
79	009-380-025-000	$24.80
80	009-380-026-000	$24.80
81	009-380-027-000	$24.80
82	009-380-028-000	$24.80
83	009-380-029-000	$24.80
84	009-380-030-000	$24.80
85	009-380-031-000	$24.80
86	009-380-032-000	$24.80
87	009-380-033-000	$24.80
88	009-380-034-000	$24.80
89	009-380-035-000	$24.80
90	009-380-036-000	$24.80
91	009-380-037-000	$24.80
92	009-380-038-000	$24.80
93	009-380-039-000	$24.80
94	009-380-040-000	$24.80
95	009-380-041-000	$24.80
96	009-380-042-000	$24.80
97	009-380-043-000	$24.80
98	009-380-044-000	$24.80
99	009-380-045-000	$24.80
100	009-380-046-000	$24.80
101	009-380-047-000	$24.80
102	009-380-048-000	$24.80
103	009-380-049-000	$24.80
104	009-380-050-000	$24.80
105	009-380-051-000	$24.80
106	009-380-052-000	$24.80
107	009-380-053-000	$24.80
108	009-380-054-000	$24.80
109	009-380-055-000	$24.80
110	009-380-056-000	$24.80
111	009-380-057-000	$24.80
112	009-380-058-000	$24.80
113	009-380-059-000	$24.80
114	009-380-060-000	$24.80
115	009-380-061-000	$24.80
117	009-380-063-000	$24.80
118	009-380-064-000	$24.80
119	009-380-065-000	$24.80
120	009-380-066-000	$24.80
121	009-380-067-000	$24.80
122	009-380-068-000	$24.80
123	009-380-069-000	$24.80
124	009-380-070-000	$24.80
125	009-380-071-000	$24.80
126	009-380-072-000	$24.80
127	009-380-073-000	$24.80
128	009-380-074-000	$24.80
129	009-380-075-000	$24.80
130	009-380-076-000	$24.80
131	009-380-077-000	$24.80
132	009-380-078-000	$24.80
133	009-380-079-000	$24.80
134	009-380-080-000	$24.80
135	009-380-081-000	$24.80
136	009-380-082-000	$24.80
137	009-380-083-000	$24.80
138	009-370-058-000	$24.80
139	009-370-059-000	$24.80
140	009-370-060-000	$24.80
	TOTAL	$3,472.00

CITY OF MADERA

ZONE 8

2016-2017

1.	BEGINNING FUND BALANCE				$	638.33
2.	LANDSCAPE MAINTENANCE COSTS		$	1,539.39		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	329.01		
	b.	ENGINEERING ADMINISTRATION	$	669.52		
	c.	LEGAL ADMINISTRATION	$	54.15		
	d.	FINANCE ADMINISTRATION	$	145.30		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	1,076.42		
	g.	EQUIPMENT	$	207.51		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	176.73		
				TOTAL COSTS:	$	4,198.03
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,142.78
5.	TOTAL ASSESSMENT				$	4,702.48
6.	AVERAGE ASSESSMENT PER PARCEL				$	22.94

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 8 - VINEYARD ESTATES 2, 3, 4, & 5

TOTAL ASSESSMENT:
$4,702.48

Assessment Number	Assessor's Parcel Number	Assessment		Assessment Number	Assessor's Parcel Number	Assessment
1	012-310-001-000	$18.16	HA - Madera	36	012-310-036-000	$18.16
2	012-310-002-000	$18.16		37	012-310-037-000	$18.16
3	012-310-003-000	$18.16		38	012-310-038-000	$18.16
4	012-310-004-000	$18.16		39	012-310-039-000	$18.16
5	012-310-005-000	$18.16		40	012-310-040-000	$18.16
6	012-310-006-000	$18.16		41	012-310-041-000	$18.16
7	012-310-007-000	$18.16		42	012-310-042-000	$18.16
8	012-310-008-000	$18.16		43	012-310-043-000	$18.16
9	012-310-009-000	$18.16		44	012-310-044-000	$18.16
10	012-310-010-000	$18.16		45	012-310-045-000	$18.16
11	012-310-011-000	$18.16		46	012-310-046-000	$18.16
12	012-310-012-000	$18.16		47	012-310-047-000	$18.16
13	012-310-013-000	$18.16		48	012-310-048-000	$18.16
14	012-310-014-000	$18.16		49	012-310-049-000	$18.16
15	012-310-015-000	$18.16		50	012-310-050-000	$18.16
16	012-310-016-000	$18.16		51	012-310-054-000	$18.16
17	012-310-017-000	$18.16		52	012-320-003-000	$199.60
18	012-310-018-000	$18.16		53	012-320-004-000	$154.46
19	012-310-019-000	$18.16		54	012-330-073-000	$18.16
20	012-310-020-000	$18.16		55	012-311-001-000	$18.16
21	012-310-021-000	$18.16		56	012-311-002-000	$18.16
22	012-310-022-000	$18.16	HA - Madera	57	012-311-003-000	$18.16
23	012-310-023-000	$18.16		58	012-311-004-000	$18.16
24	012-310-024-000	$18.16		59	012-311-005-000	$18.16
25	012-310-025-000	$18.16		60	012-311-006-000	$18.16
26	012-310-026-000	$18.16		61	012-311-007-000	$18.16
27	012-310-027-000	$18.16		62	012-311-008-000	$18.16
28	012-310-028-000	$18.16		63	012-311-009-000	$18.16
29	012-310-029-000	$18.16		64	012-311-010-000	$18.16
30	012-310-030-000	$18.16		65	012-311-011-000	$18.16
31	012-310-031-000	$18.16		66	012-311-012-000	$18.16
32	012-310-032-000	$18.16		67	012-311-013-000	$18.16
33	012-310-033-000	$18.16		68	012-311-014-000	$18.16
34	012-310-034-000	$18.16		69	012-311-015-000	$18.16
35	012-310-035-000	$18.16		70	012-311-016-000	$18.16
71	012-311-017-000	$18.16		116	012-340-034-000	$18.16
72	012-311-018-000	$18.16		117	012-340-035-000	$18.16
73	012-311-019-000	$18.16		118	012-340-036-000	$18.16
74	012-311-020-000	$18.16		119	012-340-037-000	$18.16

Assessment Number	Assessor's Parcel Number	Assessment		Assessment Number	Assessor's Parcel Number	Assessment
75	012-311-021-000	$18.16		120	012-340-038-000	$18.16
76	012-311-022-000	$18.16		121	012-340-039-000	$18.16
77	012-311-023-000	$18.16		122	012-340-040-000	$18.16
78	012-311-024-000	$18.16		123	012-340-041-000	$18.16
79	012-311-025-000	$18.16	HA - Madera	124	012-340-042-000	$18.16
80	012-311-026-000	$18.16		125	012-340-043-000	$18.16
81	012-311-027-000	$18.16		126	012-340-044-000	$18.16
82	012-311-028-000	$18.16		127	012-340-045-000	$18.16
83	012-311-029-000	$18.16		128	012-340-046-000	$18.16
84	012-311-030-000	$18.16		129	012-340-047-000	$18.16
85	012-340-003-000	$18.16		130	012-340-048-000	$18.16
86	012-340-004-000	$18.16		131	012-330-013-000	$18.16
87	012-340-005-000	$18.16		132	012-330-012-000	$18.16
88	012-340-006-000	$18.16		133	012-330-011-000	$18.16
89	012-340-007-000	$18.16		134	012-330-010-000	$18.16
90	012-340-008-000	$18.16		135	012-330-009-000	$18.16
91	012-340-009-000	$18.16		136	012-330-008-000	$18.16
92	012-340-010-000	$18.16		137	012-330-007-000	$18.16
93	012-340-011-000	$18.16		138	012-330-006-000	$18.16
94	012-340-012-000	$18.16		139	012-330-021-000	$18.16
95	012-340-013-000	$18.16		140	012-330-020-000	$18.16
96	012-340-014-000	$18.16		141	012-330-019-000	$18.16
97	012-340-015-000	$18.16		142	012-330-018-000	$18.16
98	012-340-016-000	$18.16		143	012-330-017-000	$18.16
99	012-340-017-000	$18.16		144	012-330-016-000	$18.16
100	012-340-018-000	$18.16		145	012-330-015-000	$18.16
101	012-340-019-000	$18.16		146	012-330-014-000	$18.16
102	012-340-020-000	$18.16		147	012-330-028-000	$18.16
103	012-340-021-000	$18.16		148	012-330-027-000	$18.16
104	012-340-022-000	$18.16		149	012-330-026-000	$18.16
105	012-340-023-000	$18.16		150	012-330-025-000	$18.16
106	012-340-024-000	$18.16		151	012-330-024-000	$18.16
107	012-340-025-000	$18.16		152	012-330-023-000	$18.16
108	012-340-026-000	$18.16		153	012-330-022-000	$18.16
109	012-340-027-000	$18.16		154	012-330-036-000	$18.16
110	012-340-028-000	$18.16		155	012-330-037-000	$18.16
111	012-340-029-000	$18.16		156	012-330-038-000	$18.16
112	012-340-030-000	$18.16		157	012-330-039-000	$18.16
113	012-340-031-000	$18.16		158	012-330-040-000	$18.16
114	012-340-032-000	$18.16		159	012-330-041-000	$18.16
115	012-340-033-000	$18.16		160	012-330-042-000	$18.16

Assessment Number	Assessor's Parcel Number	Assessment
161	012-330-043-000	$18.16
162	012-330-035-000	$18.16
163	012-330-034-000	$18.16
164	012-330-033-000	$18.16
165	012-330-032-000	$18.16
166	012-330-031-000	$18.16
167	012-330-030-000	$18.16
168	012-330-029-000	$18.16
169	012-330-072-000	$18.16
170	012-330-071-000	$18.16
171	012-330-070-000	$18.16
172	012-330-069-000	$18.16
173	012-330-068-000	$18.16
174	012-330-067-000	$18.16
175	012-330-066-000	$18.16
176	012-330-045-000	$18.16
177	012-330-046-000	$18.16
178	012-330-047-000	$18.16
179	012-330-048-000	$18.16
180	012-330-049-000	$18.16
181	012-330-065-000	$18.16
182	012-330-064-000	$18.16
183	012-330-063-000	$18.16
184	012-330-062-000	$18.16
185	012-330-061-000	$18.16
186	012-330-060-000	$18.16
187	012-330-059-000	$18.16
188	012-330-058-000	$18.16
189	012-330-057-000	$18.16
190	012-330-056-000	$18.16
191	012-330-055-000	$18.16
192	012-330-054-000	$18.16
193	012-330-053-000	$18.16
194	012-330-052-000	$18.16
195	012-330-051-000	$18.16
196	012-330-050-000	$18.16
197	012-312-001-000	$20.18
198	012-312-002-000	$20.18
199	012-312-003-000	$20.18
200	012-312-004-000	$20.18
201	012-312-005-000	$20.18
202	012-312-006-000	$20.18
203	012-312-007-000	$20.18
204	012-312-008-000	$20.18
205	012-312-009-000	$20.18
206	012-320-006-000	$643.76

Assessment Number	Assessor's Parcel Number	Assessment
	TOTAL	$4,702.48
	To be billed via A/R	
	54.48	
	Total to County Assessor	
	$4,648.00	

CITY OF MADERA

ZONE 9

2016-2017

1.	BEGINNING FUND BALANCE				$	185.11
2.	LANDSCAPE MAINTENANCE COSTS		$	1,083.34		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	444.46		
	b.	ENGINEERING ADMINISTRATION	$	403.85		
	c.	LEGAL ADMINISTRATION	$	32.67		
	d.	FINANCE ADMINISTRATION	$	87.64		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	145.12		
	g.	EQUIPMENT	$	86.39		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	124.37		
				TOTAL COSTS:	$	2,407.84
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					28.07
5.	TOTAL ASSESSMENT				$	2,250.80
6.	AVERAGE ASSESSMENT PER PARCEL				$	33.10

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 9 - ORCHARD ESTATES

TOTAL ASSESSMENT:
$2,250.80

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-133-040-000	$33.10	36	012-350-034-000	$33.10
2	012-133-041-000	$33.10	37	012-350-035-000	$33.10
3	012-350-001-000	$33.10	38	012-350-036-000	$33.10
4	012-350-002-000	$33.10	39	012-350-037-000	$33.10
5	012-350-003-000	$33.10	40	012-350-038-000	$33.10
6	012-350-004-000	$33.10	41	012-350-039-000	$33.10
7	012-350-005-000	$33.10	42	012-350-040-000	$33.10
8	012-350-006-000	$33.10	43	012-350-041-000	$33.10
9	012-350-007-000	$33.10	44	012-350-042-000	$33.10
10	012-350-008-000	$33.10	45	012-350-043-000	$33.10
11	012-350-009-000	$33.10	46	012-350-044-000	$33.10
12	012-350-010-000	$33.10	47	012-350-045-000	$33.10
13	012-350-011-000	$33.10	48	012-350-046-000	$33.10
14	012-350-012-000	$33.10	49	012-350-047-000	$33.10
15	012-350-013-000	$33.10	50	012-350-048-000	$33.10
16	012-350-014-000	$33.10	51	012-350-049-000	$33.10
17	012-350-015-000	$33.10	52	012-350-050-000	$33.10
18	012-350-016-000	$33.10	53	012-350-051-000	$33.10
19	012-350-017-000	$33.10	54	012-350-052-000	$33.10
20	012-350-018-000	$33.10	55	012-350-053-000	$33.10
21	012-350-019-000	$33.10	56	012-350-054-000	$33.10
22	012-350-020-000	$33.10	57	012-350-057-000	$33.10
23	012-350-021-000	$33.10	58	012-350-058-000	$33.10
24	012-350-022-000	$33.10	59	012-350-059-000	$33.10
25	012-350-023-000	$33.10	60	012-350-060-000	$33.10
26	012-350-024-000	$33.10	61	012-350-061-000	$33.10
27	012-350-025-000	$33.10	62	012-350-062-000	$33.10
28	012-350-026-000	$33.10	63	012-350-063-000	$33.10
29	012-350-027-000	$33.10	64	012-350-064-000	$33.10
30	012-350-028-000	$33.10	65	012-350-065-000	$33.10
31	012-350-029-000	$33.10	66	012-350-066-000	$33.10
32	012-350-030-000	$33.10	67	012-350-067-000	$33.10
33	012-350-031-000	$33.10	68	012-350-068-000	$33.10
34	012-350-032-000	$33.10			
35	012-350-033-000	$33.10		TOTAL	$2,250.80

CITY OF MADERA

ZONE 10A

2016-2017

1.	BEGINNING FUND BALANCE				$	(641.92)
2.	LANDSCAPE MAINTENANCE COSTS		$	0.00		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	0.00		
	b.	ENGINEERING ADMINISTRATION	$	0.00		
	c.	LEGAL ADMINISTRATION	$	0.00		
	d.	FINANCE ADMINISTRATION	$	0.00		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	157.39		
	g.	EQUIPMENT	$	121.72		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	0.00		
				TOTAL COSTS:	$	279.11
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(600.19)
5.	TOTAL ASSESSMENT				$	320.84
6.	AVERAGE ASSESSMENT PER PARCEL				$	26.74

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10A - VENTURI SUBDIVISION

TOTAL ASSESSMENT:
$320.84

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-460-005-000	$24.68			
2	006-460-007-000	$24.68			
3	006-460-009-000	$24.68			
4	006-460-010-000	$24.68			
5	006-460-011-000	$24.68			
6	006-460-012-000	$24.68			
7	006-460-013-000	$24.68			
8	006-460-014-000	$24.68			
9	006-460-015-000	$24.68			
10	006-460-016-000	$24.68			
11	006-460-017-000	$24.68			
12	006-460-037-000	$49.36			
	TOTAL	$320.84			

CITY OF MADERA

ZONE 10B

2016-2017

1.	BEGINNING FUND BALANCE				$	671.15
2.	LANDSCAPE MAINTENANCE COSTS		$	37.76		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	29.29		
	b.	ENGINEERING ADMINISTRATION	$	416.21		
	c.	LEGAL ADMINISTRATION	$	33.67		
	d.	FINANCE ADMINISTRATION	$	90.33		
	e.	TREE TRIMMING	$	6.65		
	f.	GAS & UTILITIES	$	2.41		
	g.	EQUIPMENT	$	2.15		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	4.34		
				TOTAL COSTS:	$	622.80
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					963.33
5.	TOTAL ASSESSMENT				$	914.52
6.	AVERAGE ASSESSMENT PER PARCEL				$	19.06

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10B - PEBBLE BEACH I & II

TOTAL ASSESSMENT:
$914.52

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-460-024-000	$19.46	36	006-492-010-000	$19.46
2	006-460-025-000	$19.46	37	006-492-011-000	$19.46
3	006-460-026-000	$19.46	38	006-492-012-000	$19.46
4	006-460-027-000	$19.46	39	006-492-013-000	$19.46
5	006-460-028-000	$19.46	40	006-492-014-000	$19.46
6	006-460-029-000	$19.46	41	006-492-015-000	$19.46
7	006-460-030-000	$19.46	42	006-492-016-000	$19.46
8	006-460-031-000	$19.46	43	006-492-017-000	$19.46
9	006-491-001-000	$19.46	44	006-492-018-000	$19.46
10	006-491-002-000	$19.46	45	006-492-019-000	$19.46
11	006-491-003-000	$19.46	46	006-492-020-000	$19.46
12	006-491-004-000	$19.46	47	006-492-021-000	$19.46
13	006-491-005-000	$19.46	48	006-492-022-000	$19.46
14	006-491-006-000	$19.46			
15	006-491-007-000	$19.46		TOTAL	$914.52
16	006-491-008-000	$19.46			
17	006-491-009-000	$19.46			
18	006-491-010-000	$19.46			
19	006-491-011-000	$19.46			
20	006-491-012-000	$19.46			
21	006-491-013-000	$19.46			
22	006-491-014-000	$19.46			
23	006-491-015-000	$19.46			
24	006-491-016-000	$19.46			
25	006-491-017-000	$19.46			
26	006-491-018-000	$19.46			
27	006-492-001-000	$19.46			
28	006-492-002-000	$12.98			
29	006-492-003-000	$6.48			
30	006-492-004-000	$19.46			
31	006-492-005-000	$19.46			
32	00-6492-006-000	$19.46			
33	006-492-007-000	$19.46			
34	006-492-008-000	$19.46			
35	006-492-009-000	$19.46			

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10B - PEBBLE BEACH I & II

TOTAL ASSESSMENT:
1159.96

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number
1	006-460-024-000	24.68	36	006-492-010-000
2	006-460-025-000	24.68	37	006-492-011-000
3	006-460-026-000	24.68	38	006-492-012-000
4	006-460-027-000	24.68	39	006-492-013-000
5	006-460-028-000	24.68	40	006-492-014-000
6	006-460-029-000	24.68	41	006-492-015-000
7	006-460-030-000	24.68	42	006-492-016-000
8	006-460-031-000	24.68	43	006-492-017-000
9	006-491-001-000	24.68	44	006-492-018-000
10	006-491-002-000	24.68	45	006-492-019-000
11	006-491-003-000	24.68	46	006-492-020-000
12	006-491-004-000	24.68	47	006-492-021-000
13	006-491-005-000	24.68	48	006-492-022-000
14	006-491-006-000	24.68		
15	006-491-007-000	24.68		TOTAL
16	006-491-008-000	24.68		
17	006-491-009-000	24.68		
18	006-491-010-000	24.68		
19	006-491-011-000	24.68		
20	006-491-012-000	24.68		
21	006-491-013-000	24.68		
22	006-491-014-000	24.68		
23	006-491-015-000	24.68		
24	006-491-016-000	24.68		
25	006-491-017-000	24.68		
26	006-491-018-000	24.68		
27	006-492-001-000	24.68		
28	006-492-002-000	16.46		
29	006-492-003-000	8.22		
30	006-492-004-000	24.68		
31	006-492-005-000	24.68		
32	00-6492-006-000	24.68		
33	006-492-007-000	24.68		
34	006-492-008-000	24.68		
35	006-492-009-000	24.68		

CITY OF MADERA

ZONE 10C

2016-2017

1.	BEGINNING FUND BALANCE				$	828.39
2.	LANDSCAPE MAINTENANCE COSTS		$	441.43		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	268.33		
	b.	ENGINEERING ADMINISTRATION	$	329.77		
	c.	LEGAL ADMINISTRATION	$	26.67		
	d.	FINANCE ADMINISTRATION	$	71.57		
	e.	TREE TRIMMING	$	60.93		
	f.	GAS & UTILITIES	$	22.08		
	g.	EQUIPMENT	$	32.90		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	50.68		
				TOTAL COSTS:	$	1,304.37
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					758.03
5.	TOTAL ASSESSMENT				$	1,234.00
6.	AVERAGE ASSESSMENT PER PARCEL					24.68

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10C - PEBBLE BEACH III & IV

TOTAL ASSESSMENT:
$1,234.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-493-001-000	$24.68	36	006-494-015-000	$24.68
2	006-493-002-000	$24.68	37	006-494-016-000	$24.68
3	006-493-003-000	$24.68	38	006-494-017-000	$24.68
4	006-493-004-000	$24.68	39	006-494-018-000	$24.68
5	006-493-005-000	$24.68	40	006-494-019-000	$24.68
6	006-493-006-000	$24.68	41	006-494-020-000	$24.68
7	006-493-007-000	$24.68	42	006-494-021-000	$24.68
8	006-493-008-000	$24.68	43	006-494-022-000	$24.68
9	006-493-009-000	$24.68	44	006-494-023-000	$24.68
10	006-493-010-000	$24.68	45	006-494-024-000	$24.68
11	006-493-011-000	$24.68	46	006-494-025-000	$24.68
12	006-493-012-000	$24.68	47	006-494-026-000	$24.68
13	006-493-013-000	$24.68	48	006-494-027-000	$24.68
14	006-493-014-000	$24.68	49	006-494-028-000	$24.68
15	006-493-015-000	$24.68	50	006-494-029-000	$24.68
16	006-493-016-000	$24.68		TOTAL	$1,234.00
17	006-493-017-000	$24.68			
18	006-493-018-000	$24.68			
19	006-493-019-000	$24.68			
20	006-493-020-000	$24.68			
21	006-493-021-000	$24.68			
22	006-494-001-000	$24.68			
23	006-494-002-000	$24.68			
24	006-494-003-000	$24.68			
25	006-494-004-000	$24.68			
26	006-494-005-000	$24.68			
27	006-494-006-000	$24.68			
28	006-494-007-000	$24.68			
29	006-494-008-000	$24.68			
30	006-494-009-000	$24.68			
31	006-494-010-000	$24.68			
32	006-494-011-000	$24.68			
33	006-494-012-000	$24.68			
34	006-494-013-000	$24.68			
35	006-494-014-000	$24.68			

CITY OF MADERA

ZONE 10D

2016-2017

1.	BEGINNING FUND BALANCE				$	128.33
2.	LANDSCAPE MAINTENANCE COSTS		$	67.82		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	160.99		
	b.	ENGINEERING ADMINISTRATION	$	170.89		
	c.	LEGAL ADMINISTRATION	$	13.82		
	d.	FINANCE ADMINISTRATION	$	37.09		
	e.	TREE TRIMMING	$	36.56		
	f.	GAS & UTILITIES	$	13.25		
	g.	EQUIPMENT	$	6.39		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	7.79		
				TOTAL COSTS:	$	514.61
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					208.28
5.	TOTAL ASSESSMENT				$	594.56
6.	AVERAGE ASSESSMENT PER PARCEL					19.82

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10D - PEBBLE BEACH V

TOTAL ASSESSMENT:
$594.56

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-495-001-000	$22.16			
2	006-495-002-000	$22.16			
3	006-495-003-000	$22.16			
4	006-495-004-000	$22.16			
5	006-495-005-000	$22.16			
6	006-495-006-000	$22.16			
7	006-495-007-000	$22.16			
8	006-495-008-000	$22.16			
9	006-495-009-000	$22.16			
10	006-495-010-000	$22.16			
11	006-495-011-000	$22.16			
12	006-495-012-000	$22.16			
13	006-495-013-000	$22.16			
14	006-495-014-000	$22.16			
15	006-495-015-000	$22.16			
16	006-495-016-000	$14.74			
17	006-495-017-000	$6.00			
18	006-495-018-000	$22.16			
19	006-495-019-000	$22.16			
20	006-495-020-000	$22.16			
21	006-495-021-000	$22.16			
22	006-495-022-000	$22.16			
23	006-495-023-000	$22.16			
24	006-495-024-000	$7.32			
25	006-495-025-000	$14.76			
26	006-495-026-000	$22.16			
27	006-495-027-000	$18.06			
28	006-495-028-000	$1.80			
29	006-495-029-000	$22.16			
30	006-495-030-000	$22.16			
TOTAL		$594.56			

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10D - PEBBLE BEACH V

TOTAL ASSESSMENT:
$825.78

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number
1	006-495-001-000	$30.78		
2	006-495-002-000	$30.78		
3	006-495-003-000	$30.78		
4	006-495-004-000	$30.78		
5	006-495-005-000	$30.78		
6	006-495-006-000	$30.78		
7	006-495-007-000	$30.78		
8	006-495-008-000	$30.78		
9	006-495-009-000	$30.78		
10	006-495-010-000	$30.78		
11	006-495-011-000	$30.78		
12	006-495-012-000	$30.78		
13	006-495-013-000	$30.78		
14	006-495-014-000	$30.78		
15	006-495-015-000	$30.78		
16	006-495-016-000	$20.48		
17	006-495-017-000	$8.32		
18	006-495-018-000	$30.78		
19	006-495-019-000	$30.78		
20	006-495-020-000	$30.78		
21	006-495-021-000	$30.78		
22	006-495-022-000	$30.78		
23	006-495-023-000	$30.78		
24	006-495-024-000	$10.18		
25	006-495-025-000	$20.50		
26	006-495-026-000	$30.78		
27	006-495-027-000	$25.08		
28	006-495-028-000	$2.50		
29	006-495-029-000	$30.78		
30	006-495-030-000	$30.78		

TOTAL $825.78

CITY OF MADERA

ZONE 10E

2016-2017

1.	BEGINNING FUND BALANCE				$	130.64
2.	LANDSCAPE MAINTENANCE COSTS		$	293.33		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	185.27		
	b.	ENGINEERING ADMINISTRATION	$	180.61		
	c.	LEGAL ADMINISTRATION	$	14.61		
	d.	FINANCE ADMINISTRATION	$	39.20		
	e.	TREE TRIMMING	$	42.07		
	f.	GAS & UTILITIES	$	15.25		
	g.	EQUIPMENT	$	26.85		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	33.68		
				TOTAL COSTS:	$	830.85
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					106.00
5.	TOTAL ASSESSMENT				$	805.91
6.	AVERAGE ASSESSMENT PER PARCEL					26.01

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10E - PEBBLE BEACH VI

TOTAL ASSESSMENT:
$805.91

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-496-001-000	$26.00			
2	006-496-002-000	$26.00			
3	006-496-003-000	$26.00			
4	006-496-004-000	$26.00			
5	006-496-005-000	$26.00			
6	006-496-006-000	$26.00			
7	006-496-007-000	$26.00			
8	006-496-008-000	$26.00			
9	006-496-009-000	$26.00			
10	006-496-010-000	$26.00			
11	006-496-011-000	$26.00			
12	006-496-012-000	$26.00			
13	006-496-013-000	$26.00			
14	006-496-014-000	$26.00			
15	006-496-015-000	$26.00			
16	006-496-016-000	$26.00			
17	006-496-017-000	$26.00			
18	006-496-018-000	$26.00			
19	006-496-019-000	$26.00			
20	006-496-020-000	$26.00			
21	006-496-021-000	$26.00			
22	006-496-022-000	$26.00			
23	006-496-023-000	$26.00			
24	006-496-024-000	$26.00			
25	006-496-025-000	$26.00			
26	006-496-026-000	$26.00			
27	006-496-027-000	$26.00			
28	006-496-028-000	$26.00			
29	006-496-029-000	$26.00			
30	006-496-030-000	$26.00			
31	006-496-031-000	$26.00			
	TOTAL	$805.91			

CITY OF MADERA

ZONE 10F

2016-2017

1.	BEGINNING FUND BALANCE				$	657.64
2.	LANDSCAPE MAINTENANCE COSTS		$	540.46		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	245.04		
	b.	ENGINEERING ADMINISTRATION	$	364.20		
	c.	LEGAL ADMINISTRATION	$	29.46		
	d.	FINANCE ADMINISTRATION	$	79.04		
	e.	TREE TRIMMING	$	55.64		
	f.	GAS & UTILITIES	$	20.17		
	g.	EQUIPMENT	$	30.82		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	62.05		
				TOTAL COSTS:	$	1,426.87
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,042.47
5.	TOTAL ASSESSMENT				$	1,812.11
6.	AVERAGE ASSESSMENT PER PARCEL					44.19

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10 F - PEBBLE BEACH VII

TOTAL ASSESSMENT:
$1,812.11

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-496-034-000	$44.20	36	006-496-069-000	$44.20
2	006-496-035-000	$44.20	37	006-496-070-000	$44.20
3	006-496-036-000	$44.20	38	006-496-071-000	$44.20
4	006-496-037-000	$44.20	39	006-496-072-000	$44.20
5	006-496-038-000	$44.20	40	006-496-073-000	$44.20
6	006-496-039-000	$44.20	41	006-496-074-000	$44.20
7	006-496-040-000	$44.20			
8	006-496-041-000	$44.20		TOTAL	$1,812.11
9	006-496-042-000	$44.20			
10	006-496-043-000	$44.20			
11	006-496-044-000	$44.20			
12	006-496-045-000	$44.20			
13	006-496-046-000	$44.20			
14	006-496-047-000	$44.20			
15	006-496-048-000	$44.20			
16	006-496-049-000	$44.20			
17	006-496-050-000	$44.20			
18	006-496-051-000	$44.20			
19	006-496-052-000	$44.20			
20	006-496-053-000	$44.20			
21	006-496-054-000	$44.20			
22	006-496-055-000	$44.20			
23	006-496-056-000	$44.20			
24	006-496-057-000	$44.20			
25	006-496-058-000	$44.20			
26	006-496-059-000	$44.20			
27	006-496-060-000	$44.20			
28	006-496-061-000	$44.20			
29	006-496-062-000	$44.20			
30	006-496-063-000	$44.20			
31	006-496-064-000	$44.20			
32	006-496-065-000	$44.20			
33	006-496-066-000	$44.20			
34	006-496-067-000	$44.20			
35	006-496-068-000	$44.20			

CITY OF MADERA

ZONE 10G

2016-2017

1.	BEGINNING FUND BALANCE				$	(424.62)
2.	LANDSCAPE MAINTENANCE COSTS		$	605.36		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	562.57		
	b.	ENGINEERING ADMINISTRATION	$	401.35		
	c.	LEGAL ADMINISTRATION	$	32.46		
	d.	FINANCE ADMINISTRATION	$	87.10		
	e.	TREE TRIMMING	$	127.74		
	f.	GAS & UTILITIES	$	46.30		
	g.	EQUIPMENT	$	34.52		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	69.50		
				TOTAL COSTS:	$	1,966.90
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(1,195.38)
5.	TOTAL ASSESSMENT				$	1,196.14
6.	AVERAGE ASSESSMENT PER PARCEL					26.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10G - PEBBLE BEACH VIII

TOTAL ASSESSMENT:
$1,196.14

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-497-001-000	$26.00	36	006-497-036-000	$26.00
2	006-497-002-000	$26.00	37	006-497-037-000	$26.00
3	006-497-003-000	$26.00	38	006-497-038-000	$26.00
4	006-497-004-000	$26.00	39	006-497-039-000	$26.00
5	006-497-005-000	$26.00	40	006-497-040-000	$26.00
6	006-497-006-000	$26.00	41	006-497-041-000	$26.00
7	006-497-007-000	$26.00	42	006-497-042-000	$26.00
8	006-497-008-000	$26.00	43	006-497-043-000	$26.00
9	006-497-009-000	$26.00	44	006-497-044-000	$26.00
10	006-497-010-000	$26.00	45	006-497-045-000	$26.00
11	006-497-011-000	$26.00	46	006-497-046-000	$26.00
12	006-497-012-000	$26.00			
13	006-497-013-000	$26.00		TOTAL	$1,196.14
14	006-497-014-000	$26.00			
15	006-497-015-000	$26.00			
16	006-497-016-000	$26.00			
17	006-497-017-000	$26.00			
18	006-497-018-000	$26.00			
19	006-497-019-000	$26.00			
20	006-497-020-000	$26.00			
21	006-497-021-000	$26.00			
22	006-497-022-000	$26.00			
23	006-497-023-000	$26.00			
24	006-497-024-000	$26.00			
25	006-497-025-000	$26.00			
26	006-497-026-000	$26.00			
27	006-497-027-000	$26.00			
28	006-497-028-000	$26.00			
29	006-497-029-000	$26.00			
30	006-497-030-000	$26.00			
31	006-497-031-000	$26.00			
32	006-497-032-000	$26.00			
33	006-497-033-000	$26.00			
34	006-497-034-000	$26.00			
35	006-497-035-000	$26.00			

CITY OF MADERA

ZONE 10H

2016-2017

1.	BEGINNING FUND BALANCE				$	964.52
2.	LANDSCAPE MAINTENANCE COSTS		$	749.79		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	808.52		
	b.	ENGINEERING ADMINISTRATION	$	204.01		
	c.	LEGAL ADMINISTRATION	$	16.50		
	d.	FINANCE ADMINISTRATION	$	44.28		
	e.	TREE TRIMMING	$	183.59		
	f.	GAS & UTILITIES	$	66.54		
	g.	EQUIPMENT	$	95.01		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	86.08		
				TOTAL COSTS:	$	2,254.32
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(1,840.93)
5.	TOTAL ASSESSMENT				$	1,377.90
6.	AVERAGE ASSESSMENT PER PARCEL					26.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10 H - PEBBLE BEACH IX

TOTAL ASSESSMENT:
$1,377.90

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-498-001-000	$26.00	36	006-498-036-000	$26.00
2	006-498-002-000	$26.00	37	006-498-037-000	$26.00
3	006-498-003-000	$26.00	38	006-498-038-000	$26.00
4	006-498-004-000	$26.00	39	006-498-039-000	$26.00
5	006-498-005-000	$26.00	40	006-498-040-000	$26.00
6	006-498-006-000	$26.00	41	006-498-041-000	$26.00
7	006-498-007-000	$26.00	42	006-498-042-000	$26.00
8	006-498-008-000	$26.00	43	006-498-043-000	$26.00
9	006-498-009-000	$26.00	44	006-498-044-000	$26.00
10	006-498-010-000	$26.00	45	006-498-045-000	$26.00
11	006-498-011-000	$26.00	46	006-498-046-000	$26.00
12	006-498-012-000	$26.00	47	006-498-047-000	$26.00
13	006-498-013-000	$26.00	48	006-498-048-000	$26.00
14	006-498-014-000	$26.00	49	006-498-049-000	$26.00
15	006-498-015-000	$26.00	50	006-498-050-000	$26.00
16	006-498-016-000	$26.00	51	006-498-051-000	$26.00
17	006-498-017-000	$26.00	52	006-498-052-000	$26.00
18	006-498-018-000	$26.00	53	006-498-053-000	$26.00
19	006-498-019-000	$26.00			
20	006-498-020-000	$26.00		TOTAL	$1,377.90
21	006-498-021-000	$26.00			
22	006-498-022-000	$26.00			
23	006-498-023-000	$26.00			
24	006-498-024-000	$26.00			
25	006-498-025-000	$26.00			
26	006-498-026-000	$26.00			
27	006-498-027-000	$26.00			
28	006-498-028-000	$26.00			
29	006-498-029-000	$26.00			
30	006-498-030-000	$26.00			
31	006-498-031-000	$26.00			
32	006-498-032-000	$26.00			
33	006-498-033-000	$26.00			
34	006-498-034-000	$26.00			
35	006-498-035-000	$26.00			

CITY OF MADERA

ZONE 10I

2016-2017

1.	BEGINNING FUND BALANCE				$	(1,267.98)
2.	LANDSCAPE MAINTENANCE COSTS		$	824.84		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	118.07		
	b.	ENGINEERING ADMINISTRATION	$	223.02		
	c.	LEGAL ADMINISTRATION	$	18.04		
	d.	FINANCE ADMINISTRATION	$	48.40		
	e.	TREE TRIMMING	$	26.81		
	f.	GAS & UTILITIES	$	9.72		
	g.	EQUIPMENT	$	47.03		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	94.70		
				TOTAL COSTS:	$	1,410.64
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(1,792.54)
5.	TOTAL ASSESSMENT				$	886.08
6.	AVERAGE ASSESSMENT PER PARCEL					40.28

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 10 I - PEBBLE BEACH X

TOTAL ASSESSMENT:
$886.08

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-498-001-000	$40.28			
2	006-498-002-000	$40.28			
3	006-498-003-000	$40.28			
4	006-498-004-000	$40.28			
5	006-498-005-000	$40.28			
6	006-498-006-000	$40.28			
7	006-498-007-000	$40.28			
8	006-498-008-000	$40.28			
9	006-498-009-000	$40.28			
10	006-498-010-000	$40.28			
11	006-498-011-000	$40.28			
12	006-498-012-000	$40.28			
13	006-498-013-000	$40.28			
14	006-498-014-000	$40.28			
15	006-498-015-000	$40.28			
16	006-498-016-000	$40.28			
17	006-498-017-000	$40.28			
18	006-498-018-000	$40.28			
19	006-498-019-000	$40.28			
20	006-498-020-000	$40.28			
21	006-498-021-000	$40.28			
22	006-498-022-000	$40.28			
	TOTAL	$886.08			

CITY OF MADERA

ZONE 12

2016-2017

1.	BEGINNING FUND BALANCE			$	1,545.29
2.	LANDSCAPE MAINTENANCE COSTS	$	13,183.35		
3	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,666.21		
	b. ENGINEERING ADMINISTRATION	$	646.55		
	c. LEGAL ADMINISTRATION	$	52.30		
	d. FINANCE ADMINISTRATION	$	140.32		
	e. TREE TRIMMING	$	3,848.00		
	f. GAS & UTILITIES	$	1,191.85		
	g. EQUIPMENT	$	751.71		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	1,513.51		
			TOTAL COSTS:	$	22,993.79
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				6,776.62
5.	TOTAL ASSESSMENT			$	28,225.12
6.	AVERAGE ASSESSMENT PER PARCEL				357.28

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 12 - FRENCH COVE 1 & 2

TOTAL ASSESSMENT:
$28,225.12

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-470-001-000	$357.28	36	006-480-049-000	$357.28
2	006-470-002-000	$357.28	37	006-480-004-000	$357.28
3	006-470-003-000	$357.28	38	006-480-005-000	$357.28
4	006-470-004-000	$357.28	39	006-480-006-000	$357.28
5	006-470-005-000	$357.28	40	006-480-007-000	$357.28
6	006-470-006-000	$357.28	41	006-480-008-000	$357.28
7	006-470-007-000	$357.28	42	006-480-009-000	$357.28
8	006-470-008-000	$357.28	43	006-480-010-000	$357.28
9	006-470-037-000	$357.28	44	006-480-011-000	$357.28
10	006-470-038-000	$357.28	45	006-480-012-000	$357.28
11	006-470-039-000	$357.28	46	006-480-013-000	$357.28
12	006-470-040-000	$357.28	47	006-480-014-000	$357.28
13	006-470-041-000	$357.28	48	006-480-015-000	$357.28
14	006-470-042-000	$357.28	49	006-480-016-000	$357.28
15	006-470-016-000	$357.28	50	006-480-017-000	$357.28
16	006-470-017-000	$357.28	51	006-480-018-000	$357.28
17	006-470-018-000	$357.28	52	006-480-019-000	$357.28
18	006-470-019-000	$357.28	53	006-480-020-000	$357.28
19	006-470-020-000	$357.28	54	006-480-021-000	$357.28
20	006-470-021-000	$357.28	55	006-480-022-000	$357.28
21	006-470-022-000	$357.28	56	006-480-023-000	$357.28
22	006-470-043-000	$357.28	57	006-480-024-000	$357.28
23	006-470-044-000	$357.28	58	006-480-025-000	$357.28
24	006-470-045-000	$357.28	59	006-480-026-000	$357.28
25	006-470-046-000	$357.28	60	006-480-027-000	$357.28
26	006-470-047-000	$357.28	61	006-480-028-000	$357.28
27	006-470-029-000	$357.28	62	006-480-029-000	$357.28
28	006-470-030-000	$357.28	63	006-480-030-000	$357.28
29	006-470-031-000	$357.28	64	006-480-032-000	$357.28
30	006-470-032-000	$357.28	65	006-480-033-000	$357.28
31	006-470-033-000	$357.28	66	006-480-034-000	$357.28
32	006-470-034-000	$357.28	67	006-480-035-000	$357.28
33	006-470-035-000	$357.28	68	006-480-036-000	$357.28
34	006-480-001-000	$357.28	69	006-480-037-000	$357.28
35	006-480-002-000	$357.28	70	006-480-038-000	$357.28
71	006-480-039-000	$357.28			
72	006-480-040-000	$357.28			
73	006-480-041-000	$357.28			
74	006-480-042-000	$357.28			
75	006-480-043-000	$357.28			
76	006-480-044-000	$357.28			
77	006-480-045-000	$357.28			
78	006-480-046-000	$357.28			
79	006-480-047-000	$357.28			
	TOTAL	$28,225.12			

CITY OF MADERA

ZONE 13

2016-2017

1.	BEGINNING FUND BALANCE			$	936.16
2.	LANDSCAPE MAINTENANCE COSTS	$	2,266.04		
3	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	298.01		
	b. ENGINEERING ADMINISTRATION	$	252.47		
	c. LEGAL ADMINISTRATION	$	20.42		
	d. FINANCE ADMINISTRATION	$	54.79		
	e. TREE TRIMMING	$	0.00		
	f. GAS & UTILITIES	$	1,477.90		
	g. EQUIPMENT	$	289.06		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	260.15		
			TOTAL COSTS:	$	4,918.84
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,883.00
5.	TOTAL ASSESSMENT			$	5,865.68
6.	AVERAGE ASSESSMENT PER PARCEL				86.26

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 13 - LAS PALMAS ESTATES 1, 2, 3, & 4

TOTAL ASSESSMENT:
$5,865.68

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-310-001-000	$86.26	36	011-310-037-000	$86.26
2	011-310-002-000	$86.26	37	011-310-038-000	$86.26
3	011-310-003-000	$86.26	38	011-310-039-000	$86.26
4	011-310-004-000	$86.26	39	011-310-040-000	$86.26
5	011-310-005-000	$86.26	40	011-310-041-000	$86.26
6	011-310-006-000	$86.26	41	011-310-042-000	$86.26
7	011-310-007-000	$86.26	42	011-310-043-000	$86.26
8	011-310-008-000	$86.26	43	011-310-044-000	$86.26
9	011-310-009-000	$86.26	44	011-310-045-000	$86.26
10	011-310-010-000	$86.26	45	011-310-046-000	$86.26
11	011-310-011-000	$86.26	46	011-310-047-000	$86.26
12	011-310-012-000	$86.26	47	011-310-048-000	$86.26
13	011-310-013-000	$86.26	48	011-310-049-000	$86.26
14	011-310-014-000	$86.26	49	011-310-055-000	$86.26
15	011-310-015-000	$86.26	50	011-310-056-000	$86.26
16	011-310-016-000	$86.26	51	011-310-057-000	$86.26
17	011-310-017-000	$86.26	52	011-310-058-000	$86.26
18	011-310-018-000	$86.26	53	011-310-059-000	$86.26
19	011-310-019-000	$86.26	54	011-310-060-000	$86.26
20	011-310-020-000	$86.26	55	011-310-061-000	$86.26
21	011-310-021-000	$86.26	56	011-310-062-000	$86.26
22	011-310-022-000	$86.26	57	011-310-063-000	$86.26
23	011-310-024-000	$86.26	58	011-310-068-000	$86.26
24	011-310-025-000	$86.26	59	011-310-069-000	$86.26
25	011-310-026-000	$86.26	60	011-310-070-000	$86.26
26	011-310-027-000	$86.26	61	011-310-071-000	$86.26
27	011-310-028-000	$86.26	62	011-310-072-000	$86.26
28	011-310-029-000	$86.26	63	011-310-073-000	$86.26
29	011-310-030-000	$86.26	64	011-310-074-000	$86.26
30	011-310-031-000	$86.26	65	011-310-075-000	$86.26
31	011-310-032-000	$86.26	66	011-310-076-000	$86.26
32	011-310-033-000	$86.26	67	011-310-077-000	$86.26
33	011-310-034-000	$86.26	68	011-310-078-000	$86.26
34	011-310-035-000	$86.26			
35	011-310-036-000	$86.26		TOTAL	$5,865.68

CITY OF MADERA

ZONE 14

.

2016-2017

1.	BEGINNING FUND BALANCE				$	379.26
2.	LANDSCAPE MAINTENANCE COSTS		$	1,393.67		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	493.35		
	b.	ENGINEERING ADMINISTRATION	$	676.40		
	c.	LEGAL ADMINISTRATION	$	54.71		
	d.	FINANCE ADMINISTRATION	$	146.79		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	179.33		
	g.	EQUIPMENT	$	107.39		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	160.00		
				TOTAL COSTS:	$	3,211.63
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					118.53
5.	TOTAL ASSESSMENT				$	2,950.90
6.	AVERAGE ASSESSMENT PER PARCEL					25.66

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 14 - CAPISTRANO 1 & 2

TOTAL ASSESSMENT:
$2,950.90

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-380-001-000	$25.66	36	012-380-036-000	$25.66
2	012-380-002-000	$25.66	37	012-380-037-000	$25.66
3	012-380-003-000	$25.66	38	012-380-038-000	$25.66
4	012-380-004-000	$25.66	39	012-380-039-000	$25.66
5	012-380-005-000	$25.66	40	012-380-040-000	$25.66
6	012-380-006-000	$25.66	41	012-380-041-000	$25.66
7	012-380-007-000	$25.66	42	012-380-042-000	$25.66
8	012-380-008-000	$25.66	43	012-380-043-000	$25.66
9	012-380-009-000	$25.66	44	012-380-044-000	$25.66
10	012-380-010-000	$25.66	45	012-380-045-000	$25.66
11	012-380-011-000	$25.66	46	012-380-046-000	$25.66
12	012-380-012-000	$25.66	47	012-380-047-000	$25.66
13	012-380-013-000	$25.66	48	012-380-048-000	$25.66
14	012-380-014-000	$25.66	49	012-380-049-000	$25.66
15	012-380-015-000	$25.66	50	012-380-050-000	$25.66
16	012-380-016-000	$25.66	51	012-380-051-000	$25.66
17	012-380-017-000	$25.66	52	012-380-052-000	$25.66
18	012-380-018-000	$25.66	53	012-380-053-000	$25.66
19	012-380-019-000	$25.66	54	012-381-001-000	$25.66
20	012-380-020-000	$25.66	55	012-381-002-000	$25.66
21	012-380-021-000	$25.66	56	012-381-003-000	$25.66
22	012-380-022-000	$25.66	57	012-381-004-000	$25.66
23	012-380-023-000	$25.66	58	012-381-005-000	$25.66
24	012-380-024-000	$25.66	59	012-381-006-000	$25.66
25	012-380-025-000	$25.66	60	012-381-007-000	$25.66
26	012-380-026-000	$25.66	61	012-381-008-000	$25.66
27	012-380-027-000	$25.66	62	012-381-009-000	$25.66
28	012-380-028-000	$25.66	63	012-381-010-000	$25.66
29	012-380-029-000	$25.66	64	012-381-011-000	$25.66
30	012-380-030-000	$25.66	65	012-381-012-000	$25.66
31	012-380-031-000	$25.66	66	012-381-013-000	$25.66
32	012-380-032-000	$25.66	67	012-381-014-000	$25.66
33	012-380-033-000	$25.66	68	012-381-015-000	$25.66
34	012-380-034-000	$25.66	69	012-381-016-000	$25.66
35	012-380-035-000	$25.66	70	012-381-017-000	$25.66

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	012-381-018-000	$25.66			
72	012-381-019-000	$25.66			
73	012-381-020-000	$25.66			
74	012-381-021-000	$25.66			
75	012-381-022-000	$25.66			
76	012-381-023-000	$25.66			
77	012-381-024-000	$25.66			
78	012-381-025-000	$25.66			
79	012-381-026-000	$25.66			
80	012-381-027-000	$25.66			
81	012-381-028-000	$25.66			
82	012-381-029-000	$25.66			
83	012-381-030-000	$25.66			
84	012-381-031-000	$25.66			
85	012-381-032-000	$25.66			
86	012-381-033-000	$25.66			
87	012-381-034-000	$25.66			
88	012-381-035-000	$25.66			
89	012-381-036-000	$25.66			
90	012-381-037-000	$25.66			
91	012-381-038-000	$25.66			
92	012-381-039-000	$25.66			
93	012-381-040-000	$25.66			
94	012-381-041-000	$25.66			
95	012-381-042-000	$25.66			
96	012-381-043-000	$25.66			
97	012-381-044-000	$25.66			
98	012-381-045-000	$25.66			
99	012-381-046-000	$25.66			
100	012-381-047-000	$25.66			
101	012-381-048-000	$25.66			
102	012-381-049-000	$25.66			
103	012-381-050-000	$25.66			
104	012-381-051-000	$25.66			
105	012-381-052-000	$25.66			
106	012-381-053-000	$25.66			
107	012-381-054-000	$25.66			
108	012-381-055-000	$25.66			
109	012-381-056-000	$25.66			
110	012-381-057-000	$25.66			
111	012-381-058-000	$25.66			
112	012-381-059-000	$25.66			
113	012-381-060-000	$25.66			
114	012-381-061-000	$25.66			
115	012-381-062-000	$25.66			
	TOTAL	$2,950.90			

CITY OF MADERA

ZONE 15

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2016-2017

1.	BEGINNING FUND BALANCE				$	481.83
2.	LANDSCAPE MAINTENANCE COSTS		$	89.64		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	60.00		
	b.	ENGINEERING ADMINISTRATION	$	36.13		
	c.	LEGAL ADMINISTRATION	$	2.92		
	d.	FINANCE ADMINISTRATION	$	7.84		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	330.42		
	g.	EQUIPMENT	$	28.39		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	10.29		
				TOTAL COSTS:	$	565.64
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					936.11
5.	TOTAL ASSESSMENT				$	1,019.92
6.	AVERAGE ASSESSMENT PER PARCEL					53.68

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 15 - CLINTON / ELM RANCHOS 1

TOTAL ASSESSMENT:
$1,019.92

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-082-027-000	$53.68			
2	008-082-028-000	$53.68			
3	008-082-029-000	$53.68			
4	008-082-030-000	$53.68			
5	008-082-031-000	$53.68			
6	008-082-032-000	$53.68			
7	008-082-033-000	$53.68			
8	008-082-034-000	$53.68			
9	008-082-035-000	$53.68			
10	008-082-036-000	$53.68			
11	008-082-037-000	$53.68			
12	008-082-038-000	$53.68			
13	008-082-039-000	$53.68			
14	008-082-040-000	$53.68			
15	008-082-041-000	$53.68			
16	008-082-042-000	$53.68			
17	008-082-043-000	$53.68			
18	008-082-044-000	$53.68			
19	008-082-045-000	$53.68			
	Total	$1,019.92			

CITY OF MADERA

ZONE 15B

.

2016-2017

1.	BEGINNING FUND BALANCE				$	235.43
2.	LANDSCAPE MAINTENANCE COSTS		$	261.97		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	333.34		
	b.	ENGINEERING ADMINISTRATION	$	133.86		
	c.	LEGAL ADMINISTRATION	$	10.83		
	d.	FINANCE ADMINISTRATION	$	29.05		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	30.42		
	g.	EQUIPMENT	$	14.94		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	30.08		
				TOTAL COSTS:	$	844.48
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(609.05)
5.	TOTAL ASSESSMENT				$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL					0.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 15B - CLINTON / ELM RANCHOS 2

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-082-046-000	$0.00			
2	008-082-047-000	$0.00			
3	008-082-048-000	$0.00			
4	008-082-049-000	$0.00			
5	008-082-050-000	$0.00			
6	008-082-051-000	$0.00			
7	008-082-052-000	$0.00			
8	008-082-053-000	$0.00			
9	008-082-054-000	$0.00			
10	008-082-055-000	$0.00			
	TOTAL	$0.00			

CITY OF MADERA

ZONE 15C

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2016-2017

1.	BEGINNING FUND BALANCE				$	426.67
2.	LANDSCAPE MAINTENANCE COSTS		$	287.93		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	333.34		
	b.	ENGINEERING ADMINISTRATION	$	141.29		
	c.	LEGAL ADMINISTRATION	$	11.43		
	d.	FINANCE ADMINISTRATION	$	30.66		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	30.42		
	g.	EQUIPMENT	$	16.42		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	33.06		
				TOTAL COSTS:	$	884.55
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					5.88
5.	TOTAL ASSESSMENT				$	463.76
6.	AVERAGE ASSESSMENT PER PARCEL					42.16

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 15C - CLINTON / ELM RANCHOS 3

TOTAL ASSESSMENT:
$463.76

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-082-058-000	$42.16			
2	008-082-059-000	$42.16			
3	008-082-060-000	$42.16			
4	008-082-061-000	$42.16			
5	008-082-062-000	$42.16			
6	008-082-063-000	$42.16			
7	008-082-064-000	$42.16			
8	008-082-065-000	$42.16			
9	008-082-066-000	$42.16			
10	008-082-067-000	$42.16			
11	008-082-068-000	$42.16			
	TOTAL	$463.76			

CITY OF MADERA

ZONE 16

.

2016-2017

1.	BEGINNING FUND BALANCE				$	106.42
2.	LANDSCAPE MAINTENANCE COSTS		$	32.71		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	5.00		
	b.	ENGINEERING ADMINISTRATION	$	3.57		
	c.	LEGAL ADMINISTRATION	$	0.29		
	d.	FINANCE ADMINISTRATION	$	0.77		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	359.66		
	g.	EQUIPMENT	$	124.34		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	3.76		
				TOTAL COSTS:	$	530.10
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					416.32
5.	TOTAL ASSESSMENT				$	840.00
6.	AVERAGE ASSESSMENT PER PARCEL					35.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 16 - SUGAR PINE

TOTAL ASSESSMENT:
$840.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-093-001-000	$35.00			
2	008-093-002-000	$35.00			
3	008-093-003-000	$35.00			
4	008-093-004-000	$35.00			
5	008-093-005-000	$35.00			
6	008-093-006-000	$35.00			
7	008-093-007-000	$35.00			
8	008-093-008-000	$35.00			
9	008-093-009-000	$35.00			
10	008-093-010-000	$35.00			
11	008-093-011-000	$35.00			
12	008-093-012-000	$35.00			
13	008-093-013-000	$35.00			
14	008-093-014-000	$35.00			
15	008-093-015-000	$35.00			
16	008-093-016-000	$35.00			
17	008-093-017-000	$35.00			
18	008-093-018-000	$35.00			
19	008-093-019-000	$35.00			
20	008-093-020-000	$35.00			
21	008-093-021-000	$35.00			
22	008-093-022-000	$35.00			
23	008-093-023-000	$35.00			
24	008-093-024-000	$35.00			
	TOTAL	$840.00			

CITY OF MADERA

ZONE 17A

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2016-2017

1.	BEGINNING FUND BALANCE			$	2,075.52
2.	LANDSCAPE MAINTENANCE COSTS	$	2,937.11		
3	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	888.92		
	b. ENGINEERING ADMINISTRATION	$	787.73		
	c. LEGAL ADMINISTRATION	$	63.72		
	d. FINANCE ADMINISTRATION	$	170.96		
	e. TREE TRIMMING	$	675.00		
	f. GAS & UTILITIES	$	219.09		
	g. EQUIPMENT	$	167.47		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	337.19		
			TOTAL COSTS:	$	6,247.18
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				3,125.98
5.	TOTAL ASSESSMENT			$	7,298.62
6.	AVERAGE ASSESSMENT PER PARCEL				74.47

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 17A - CAPISTRANO X, PHASE 1 & 2

TOTAL ASSESSMENT:
$7,298.62

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-450-011-000	$74.48	36	009-450-049-000	$74.48
2	009-450-012-000	$74.48	37	009-450-050-000	$74.48
3	009-450-013-000	$74.48	38	009-450-051-000	$74.48
4	009-450-014-000	$74.48	39	009-450-052-000	$74.48
5	009-450-015-000	$74.48	40	009-450-053-000	$74.48
6	009-450-016-000	$74.48	41	009-451-001-000	$74.48
7	009-450-017-000	$74.48	42	009-451-002-000	$74.48
8	009-450-018-000	$74.48	43	009-451-003-000	$74.48
9	009-450-019-000	$74.48	44	009-451-004-000	$74.48
10	009-450-020-000	$74.48	45	009-451-005-000	$74.48
11	009-450-021-000	$74.48	46	009-451-006-000	$74.48
12	009-450-022-000	$74.48	47	009-451-007-000	$74.48
13	009-450-023-000	$74.48	48	009-451-008-000	$74.48
14	009-450-024-000	$74.48	49	009-451-009-000	$74.48
15	009-450-025-000	$74.48	50	009-451-010-000	$74.48
16	009-450-026-000	$74.48	51	009-451-011-000	$74.48
17	009-450-027-000	$74.48	52	009-451-012-000	$74.48
18	009-450-028-000	$74.48	53	009-451-013-000	$74.48
19	009-450-029-000	$74.48	54	009-451-014-000	$74.48
20	009-450-030-000	$74.48	55	009-451-015-000	$74.48
21	009-450-031-000	$74.48	56	009-451-016-000	$74.48
22	009-450-032-000	$74.48	57	009-451-017-000	$74.48
23	009-450-033-000	$74.48	58	009-451-018-000	$74.48
24	009-450-034-000	$74.48	59	009-451-019-000	$74.48
25	009-450-035-000	$74.48	60	009-451-020-000	$74.48
26	009-450-036-000	$74.48	61	009-451-021-000	$74.48
27	009-450-037-000	$74.48	62	009-451-022-000	$74.48
28	009-450-038-000	$74.48	63	009-451-023-000	$74.48
29	009-450-039-000	$74.48	64	009-451-024-000	$74.48
30	009-450-040-000	$74.48	65	009-451-025-000	$74.48
31	009-450-044-000	$74.48	66	009-451-026-000	$74.48
32	009-450-045-000	$74.48	67	009-451-027-000	$74.48
33	009-450-046-000	$74.48	68	009-451-028-000	$74.48
34	009-450-047-000	$74.48	69	009-451-029-000	$74.48
35	009-450-048-000	$74.48	70	009-451-030-000	$74.48

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	009-451-031-000	$74.48			
72	009-451-032-000	$74.48			
73	009-451-033-000	$74.48			
74	009-520-001-000	$74.48			
75	009-520-002-000	$74.48			
76	009-520-003-000	$74.48			
77	009-520-004-000	$74.48			
78	009-520-005-000	$74.48			
79	009-520-006-000	$74.48			
80	009-520-007-000	$74.48			
81	009-520-008-000	$74.48			
82	009-520-009-000	$74.48			
83	009-520-010-000	$74.48			
84	009-520-011-000	$74.48			
85	009-520-012-000	$74.48			
86	009-520-013-000	$74.48			
87	009-520-014-000	$74.48			
88	009-520-015-000	$74.48			
89	009-520-016-000	$74.48			
90	009-520-017-000	$74.48			
91	009-520-018-000	$74.48			
92	009-520-019-000	$74.48			
93	009-520-020-000	$74.48			
94	009-520-021-000	$74.48			
95	009-520-022-000	$74.48			
96	009-520-023-000	$74.48			
97	009-520-024-000	$74.48			
98	009-520-025-000	$74.48			
	Total	$7,298.62			

CITY OF MADERA

ZONE 17B

.

2016-2017

1.	BEGINNING FUND BALANCE			$	1,140.65
2.	LANDSCAPE MAINTENANCE COSTS	$	1,062.03		
3	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	444.46		
	b. ENGINEERING ADMINISTRATION	$	297.33		
	c. LEGAL ADMINISTRATION	$	24.05		
	d. FINANCE ADMINISTRATION	$	64.53		
	e. TREE TRIMMING	$	1,193.00		
	f. GAS & UTILITIES	$	48.84		
	g. EQUIPMENT	$	60.56		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	121.93		
			TOTAL COSTS:	$	3,316.72
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,563.61
5.	TOTAL ASSESSMENT			$	3,739.36
6.	AVERAGE ASSESSMENT PER PARCEL				116.87

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 17B - CAPISTRANO X, PHASE 3

TOTAL ASSESSMENT:
$3,739.36

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-470-001-000	$116.86			
2	009-470-002-000	$116.86			
3	009-470-003-000	$116.86			
4	009-470-004-000	$116.86			
5	009-470-005-000	$116.86			
6	009-470-006-000	$116.86			
7	009-470-007-000	$116.86			
8	009-470-008-000	$116.86			
9	009-470-009-000	$116.86			
10	009-470-010-000	$116.86			
11	009-470-011-000	$116.86			
12	009-470-012-000	$116.86			
13	009-470-013-000	$116.86			
14	009-470-014-000	$116.86			
15	009-470-015-000	$116.86			
16	009-470-016-000	$116.86			
17	009-470-017-000	$116.86			
18	009-470-018-000	$116.86			
19	009-470-019-000	$116.86			
20	009-470-020-000	$116.86			
21	009-470-021-000	$116.86			
22	009-470-022-000	$116.86			
23	009-470-023-000	$116.86			
24	009-470-024-000	$116.86			
25	009-470-025-000	$116.86			
26	009-470-026-000	$116.86			
27	009-470-027-000	$116.86			
28	009-470-028-000	$116.86			
29	009-470-029-000	$116.86			
30	009-470-030-000	$116.86			
31	009-470-031-000	$116.86			
32	009-470-032-000	$116.86			
	TOTAL	$3,739.36			

CITY OF MADERA

ZONE 17C

.

2016-2017

1.	BEGINNING FUND BALANCE				$	1,478.83
2.	LANDSCAPE MAINTENANCE COSTS		$	1,148.17		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	777.80		
	b.	ENGINEERING ADMINISTRATION	$	319.62		
	c.	LEGAL ADMINISTRATION	$	25.85		
	d.	FINANCE ADMINISTRATION	$	69.36		
	e.	TREE TRIMMING	$	540.00		
	f.	GAS & UTILITIES	$	125.60		
	g.	EQUIPMENT	$	65.47		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	131.82		
				TOTAL COSTS:	$	3,203.69
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,982.53
5.	TOTAL ASSESSMENT				$	3,707.75
6.	AVERAGE ASSESSMENT PER PARCEL					105.93

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 17C - CAPISTRANO X, PHASE 4

TOTAL ASSESSMENT:
$3,707.75

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-480-001-000	$105.94			
2	009-480-002-000	$105.94			
3	009-480-003-000	$105.94			
4	009-480-004-000	$105.94			
5	009-480-005-000	$105.94			
6	009-480-006-000	$105.94			
7	009-480-007-000	$105.94			
8	009-480-008-000	$105.94			
9	009-480-009-000	$105.94			
10	009-480-010-000	$105.94			
11	009-480-011-000	$105.94			
12	009-480-012-000	$105.94			
13	009-480-013-000	$105.94			
14	009-480-014-000	$105.94			
15	009-480-015-000	$105.94			
16	009-480-016-000	$105.94			
17	009-480-017-000	$105.94			
18	009-480-018-000	$105.94			
19	009-480-019-000	$105.94			
20	009-480-020-000	$105.94			
21	009-480-021-000	$105.94			
22	009-480-022-000	$105.94			
23	009-480-023-000	$105.94			
24	009-480-024-000	$105.94			
25	009-480-025-000	$105.94			
26	009-480-026-000	$105.94			
27	009-480-027-000	$105.94			
28	009-480-028-000	$105.94			
29	009-480-029-000	$105.94			
30	009-480-030-000	$105.94			
31	009-480-031-000	$105.94			
32	009-480-032-000	$105.94			
33	009-480-033-000	$105.94			
34	009-480-034-000	$105.94			
35	009-480-035-000	$105.94			
	TOTAL	$3,707.75			

CITY OF MADERA

ZONE 17D

.

2016-2017

1.	BEGINNING FUND BALANCE				$	1,728.45
2.	LANDSCAPE MAINTENANCE COSTS		$	640.76		
3	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	777.80		
	b.	ENGINEERING ADMINISTRATION	$	393.92		
	c.	LEGAL ADMINISTRATION	$	31.86		
	d.	FINANCE ADMINISTRATION	$	85.49		
	e.	TREE TRIMMING	$	698.00		
	f.	GAS & UTILITIES	$	48.84		
	g.	EQUIPMENT	$	36.54		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	73.56		
				TOTAL COSTS:	$	2,786.77
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					601.73
5.	TOTAL ASSESSMENT				$	1,660.05
6.	AVERAGE ASSESSMENT PER PARCEL					36.89

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 17D - CAPISTRANO XI, PHASE 1

TOTAL ASSESSMENT:
$1,660.05

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-490-001-000	$36.89	36	009-490-040-000	$36.89
2	009-490-002-000	$36.89	37	009-490-041-000	$36.89
3	009-490-003-000	$36.89	38	009-490-042-000	$36.89
4	009-490-004-000	$36.89	39	009-490-043-000	$36.89
5	009-490-005-000	$36.89	40	009-490-044-000	$36.89
6	009-490-006-000	$36.89	41	009-490-045-000	$36.89
7	009-490-063-000	$36.89	42	009-490-058-000	$36.89
8	009-490-009-000	$36.89	43	009-490-048-000	$36.89
9	009-490-010-000	$36.89	44	009-490-049-000	$36.89
10	009-490-011-000	$36.89	45	009-490-050-000	$36.89
11	009-490-012-000	$36.89		TOTAL	$1,660.05
12	009-490-013-000	$36.89			
13	009-490-014-000	$36.89			
14	009-490-015-000	$36.89			
15	009-490-016-000	$36.89			
16	009-490-057-000	$36.89			
17	009-490-019-000	$36.89			
18	009-490-020-000	$36.89			
19	009-490-021-000	$36.89			
20	009-490-022-000	$36.89			
21	009-490-023-000	$36.89			
22	009-490-024-000	$36.89			
23	009-490-025-000	$36.89			
24	009-490-026-000	$36.89			
25	009-490-060-000	$36.89			
26	009-490-059-000	$36.89			
27	009-490-031-000	$36.89			
28	009-490-032-000	$36.89			
29	009-490-033-000	$36.89			
30	009-490-034-000	$36.89			
31	009-490-035-000	$36.89			
32	009-490-036-000	$36.89			
33	009-490-037-000	$36.89			
34	009-490-038-000	$36.89			
35	009-490-039-000	$36.89			

CITY OF MADERA

ZONE 18

.

2016-2017

1.	BEGINNING FUND BALANCE			$	(5,714.58)
2.	LANDSCAPE MAINTENANCE COSTS	$	7,830.71		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,222.26		
	b. ENGINEERING ADMINISTRATION	$	460.80		
	c. LEGAL ADMINISTRATION	$	37.27		
	d. FINANCE ADMINISTRATION	$	100.00		
	e. TREE TRIMMING	$	923.00		
	f. GAS & UTILITIES	$	256.48		
	g. EQUIPMENT	$	446.50		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	899.00		
			TOTAL COSTS:	$	12,176.03
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				(13,755.61)
5.	TOTAL ASSESSMENT			$	4,134.46
6.	AVERAGE ASSESSMENT PER PARCEL				76.57

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 18 - LINCOLN PLACE, PHASE 1, 2, & 3

TOTAL ASSESSMENT:
$4,134.46

Assessment Number	Assessor's Parcel Number	Assessment
1	006-451-001-000	$76.56
2	006-451-002-000	$76.56
3	006-451-003-000	$76.56
4	006-451-004-000	$76.56
5	006-451-005-000	$76.56
6	006-451-006-000	$76.56
7	006-451-007-000	$76.56
8	006-451-008-000	$76.56
9	006-451-009-000	$76.56
10	006-451-010-000	$76.56
11	006-451-011-000	$76.56
12	006-451-012-000	$76.56
13	006-451-013-000	$76.56
14	006-451-014-000	$76.56
15	006-451-015-000	$76.56
16	006-451-016-000	$76.56
17	006-451-017-000	$76.56
18	006-451-018-000	$76.56
19	006-452-001-000	$76.56
20	006-452-002-000	$76.56
21	006-452-003-000	$76.56
22	006-452-004-000	$76.56
23	006-452-005-000	$76.56
24	006-452-006-000	$76.56
25	006-452-007-000	$76.56
26	006-452-008-000	$76.56
27	006-452-009-000	$76.56
28	006-452-010-000	$76.56
29	006-452-011-000	$76.56
30	006-452-012-000	$76.56
31	006-452-013-000	$76.56
32	006-452-014-000	$76.56
33	006-452-015-000	$76.56
34	006-452-016-000	$76.56
35	006-452-017-000	$76.56
36	006-452-018-000	$76.56
37	006-453-001-000	$76.56
38	006-453-002-000	$76.56
39	006-453-003-000	$76.56
40	006-453-004-000	$76.56
41	006-453-005-000	$76.56
42	006-453-006-000	$76.56
43	006-453-007-000	$76.56
44	006-453-008-000	$76.56
45	006-453-009-000	$76.56
46	006-453-010-000	$76.56
47	006-453-011-000	$76.56
48	006-453-012-000	$76.56
49	006-453-013-000	$76.56
50	006-453-014-000	$76.56
51	006-453-015-000	$76.56
52	006-453-016-000	$76.56
53	006-453-017-000	$76.56
54	006-453-018-000	$76.56
	TOTAL	$4,134.46

CITY OF MADERA

ZONE 20A

.

2016-2017

1.	BEGINNING FUND BALANCE				$	329.05
2.	LANDSCAPE MAINTENANCE COSTS		$	693.86		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	111.11		
	b.	ENGINEERING ADMINISTRATION	$	312.19		
	c.	LEGAL ADMINISTRATION	$	25.25		
	d.	FINANCE ADMINISTRATION	$	67.75		
	e.	TREE TRIMMING	$	68.00		
	f.	GAS & UTILITIES	$	19.18		
	g.	EQUIPMENT	$	39.56		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	79.66		
				TOTAL COSTS:	$	1,416.56
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					233.08
5.	TOTAL ASSESSMENT				$	1,320.93
6.	AVERAGE ASSESSMENT PER PARCEL					38.84

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 20A - LA JOLLA ESTATES, PHASE 1

TOTAL ASSESSMENT:
$1,320.93

Assessment Number	Assessor's Parcel Number	Assessment
1	005-250-001-000	$51.80
	005-250-002-000	$25.90
2	005-250-003-000	$51.80
	005-250-004-000	$25.90
3	005-250-005-000	$51.80
	005-250-006-000	$25.90
4	005-250-007-000	$51.80
	005-250-008-000	$25.90
5	005-250-009-000	$51.80
	005-250-010-000	$25.90
6	005-250-011-000	$51.80
	005-250-012-000	$25.90
7	005-250-013-000	$51.80
	005-250-014-000	$25.90
8	005-250-015-000	$51.80
	005-250-016-000	$25.90
9	005-250-017-000	$51.80
	005-250-018-000	$25.90
10	005-250-019-000	$51.80
	005-250-020-000	$25.90
11	005-250-021-000	$51.80
	005-250-022-000	$25.90
12	005-250-023-000	$51.80
	005-250-024-000	$25.90
13	005-250-025-000	$51.80
	005-250-026-000	$25.90
14	005-250-027-000	$51.80
	005-250-028-000	$25.90
15	005-250-029-000	$51.80
	005-250-030-000	$25.90
16	005-250-031-000	$51.80
	005-250-032-000	$25.90
17	005-250-033-000	$51.80
	005-250-034-000	$25.90
	TOTAL	$1,320.93

CITY OF MADERA

ZONE 20B

.

2016-2017

1.	BEGINNING FUND BALANCE			$	143.46
2.	LANDSCAPE MAINTENANCE COSTS	$	587.37		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	67.78		
	b. ENGINEERING ADMINISTRATION	$	176.84		
	c. LEGAL ADMINISTRATION	$	14.30		
	d. FINANCE ADMINISTRATION	$	38.38		
	e. TREE TRIMMING	$	0.00		
	f. GAS & UTILITIES	$	46.53		
	g. EQUIPMENT	$	54.90		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	67.43		
			TOTAL COSTS:	$	1,053.54
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				(910.08)
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 20B - LA JOLLA ESTATES, PHASE 2

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-250-038-000	$0.00			
2	005-250-039-000	$0.00			
3	005-250-040-000	$0.00			
4	005-250-041-000	$0.00			
5	005-250-042-000	$0.00			
6	005-250-043-000	$0.00			
7	005-250-044-000	$0.00			
8	005-250-045-000	$0.00			
9	005-250-046-000	$0.00			
10	005-250-047-000	$0.00			
11	005-250-048-000	$0.00			
12	005-250-049-000	$0.00			
13	005-250-050-000	$0.00			
14	005-250-051-000	$0.00			
15	005-250-052-000	$0.00			
16	005-250-053-000	$0.00			
17	005-250-054-000	$0.00			
18	005-250-055-000	$0.00			
19	005-250-056-000	$0.00			
20	005-250-057-000	$0.00			
21	005-250-058-000	$0.00			
22	005-250-059-000	$0.00			
23	005-250-060-000	$0.00			
24	005-250-061-000	$0.00			
25	005-250-062-000	$0.00			
26	005-250-063-000	$0.00			
27	005-250-064-000	$0.00			
28	005-250-065-000	$0.00			
29	005-250-066-000	$0.00			
30	005-250-067-000	$0.00			
31	005-250-068-000	$0.00			
	TOTAL	$0.00			

CITY OF MADERA

ZONE 20C

.

2016-2017

1.	BEGINNING FUND BALANCE				$	243.34
2.	LANDSCAPE MAINTENANCE COSTS	$	637.22			
3.	INCIDENTAL COSTS:					
	a. PARKS ADMINISTRATION	$	111.11			
	b. ENGINEERING ADMINISTRATION	$	178.44			
	c. LEGAL ADMINISTRATION	$	14.43			
	d. FINANCE ADMINISTRATION	$	38.73			
	e. TREE TRIMMING	$	68.00			
	f. GAS & UTILITIES	$	16.60			
	g. EQUIPMENT	$	36.33			
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	73.16			
				TOTAL COSTS:	$	1,174.02
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(298.29)
5.	TOTAL ASSESSMENT				$	632.24
6.	AVERAGE ASSESSMENT PER PARCEL					39.53

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 20C - LA JOLLA ESTATES, PHASE 3

TOTAL ASSESSMENT:
$632.24

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-250-071-000	$39.52			
2	005-250-072-000	$39.52			
3	005-250-073-000	$39.52			
4	005-250-074-000	$39.52			
5	005-250-075-000	$39.52			
6	005-250-076-000	$39.52			
7	005-250-077-000	$39.52			
8	005-250-078-000	$39.52			
9	005-250-079-000	$39.52			
10	005-250-080-000	$39.52			
11	005-250-081-000	$39.52			
12	005-250-082-000	$39.52			
13	005-250-083-000	$39.52			
14	005-250-084-000	$39.52			
15	005-250-085-000	$39.52			
16	005-250-086-000	$39.52			
	TOTAL	$632.24			

CITY OF MADERA

ZONE 21

.

2016-2017

1.	BEGINNING FUND BALANCE				$	198.88
2.	LANDSCAPE MAINTENANCE COSTS	$	0.00			
3.	INCIDENTAL COSTS:					
	a. PARKS ADMINISTRATION	$	0.00			
	b. ENGINEERING ADMINISTRATION	$	0.00			
	c. LEGAL ADMINISTRATION	$	0.00			
	d. FINANCE ADMINISTRATION	$	0.00			
	e. TREE TRIMMING	$	0.00			
	f. GAS & UTILITIES	$	0.00			
	g. EQUIPMENT	$	247.07			
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	0.00			
				TOTAL COSTS:	$	247.07
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(48.19)
5.	TOTAL ASSESSMENT				$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL					0.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 21A - HOME RANCH PHASE I

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-510-001-000	$0.00	36	006-510-057-000	$0.00
2	006-510-002-000	$0.00	37	006-510-058-000	$0.00
3	006-510-003-000	$0.00	38	006-510-059-000	$0.00
4	006-510-004-000	$0.00	39	006-510-060-000	$0.00
5	006-510-005-000	$0.00	40	006-510-061-000	$0.00
6	006-510-006-000	$0.00	41	006-510-062-000	$0.00
7	006-510-007-000	$0.00	42	006-510-063-000	$0.00
8	006-510-008-000	$0.00	43	006-510-064-000	$0.00
9	006-510-009-000	$0.00	44	006-510-065-000	$0.00
10	006-510-010-000	$0.00			
				TOTAL	$0.00
11	006-510-011-000	$0.00			
12	006-510-012-000	$0.00			
13	006-510-013-000	$0.00			
14	006-510-014-000	$0.00			
15	006-510-015-000	$0.00			
16	006-510-016-000	$0.00			
17	006-510-017-000	$0.00			
18	006-510-018-000	$0.00			
19	006-510-019-000	$0.00			
20	006-510-022-000	$0.00			
21	006-510-023-000	$0.00			
22	006-510-024-000	$0.00			
23	006-510-025-000	$0.00			
24	006-510-044-000	$0.00			
25	006-510-045-000	$0.00			
26	006-510-047-000	$0.00			
27	006-510-048-000	$0.00			
28	006-510-049-000	$0.00			
29	006-510-050-000	$0.00			
30	006-510-051-000	$0.00			
31	006-510-052-000	$0.00			
32	006-510-053-000	$0.00			
33	006-510-054-000	$0.00			
34	006-510-055-000	$0.00			
35	006-510-056-000	$0.00			

CITY OF MADERA

ZONE 21B

.

2016-2017

1.	BEGINNING FUND BALANCE			$	999.44
2.	LANDSCAPE MAINTENANCE COSTS	$	1,276.80		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	666.69		
	b. ENGINEERING ADMINISTRATION	$	594.54		
	c. LEGAL ADMINISTRATION	$	48.09		
	d. FINANCE ADMINISTRATION	$	129.03		
	e. TREE TRIMMING	$	293.00		
	f. GAS & UTILITIES	$	116.71		
	g. EQUIPMENT	$	72.80		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	146.58		
			TOTAL COSTS:	$	3,344.24
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,233.34
5.	TOTAL ASSESSMENT			$	3,578.57
6.	AVERAGE ASSESSMENT PER PARCEL				49.70

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 21B - HOME RANCH PHASE II

TOTAL ASSESSMENT:
$3,578.57

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-510-061-000	$45.04	36	006-520-035-000	$45.04
2	006-510-062-000	$45.04	37	006-520-083-000	$99.44
3	006-510-063-000	$45.04	38	006-520-038-000	$45.04
4	006-520-086-000	$45.04	39	006-520-085-000	$99.44
5	006-520-087-000	$45.04	40	006-520-041-000	$45.04
6	006-520-003-000	$45.04	41	006-520-042-000	$45.04
7	006-520-004-000	$45.04	42	006-520-043-000	$45.04
8	006-520-005-000	$45.04	43	006-520-044-000	$45.04
9	006-520-006-000	$45.04	44	006-520-084-000	$99.44
10	006-520-007-000	$45.04	45	006-520-047-000	$45.04
11	006-520-008-000	$45.04	46	006-520-048-000	$45.04
12	006-520-009-000	$45.04	47	006-520-049-000	$45.04
13	006-520-010-000	$45.04	48	006-520-050-000	$45.04
14	006-520-011-000	$45.04	49	006-520-051-000	$45.04
15	006-520-012-000	$45.04	50	006-520-052-000	$45.04
16	006-520-013-000	$45.04	51	006-520-053-000	$45.04
17	006-520-014-000	$45.04	52	006-520-054-000	$45.04
18	006-520-015-000	$45.04	53	006-520-055-000	$45.04
19	006-520-016-000	$45.04	54	006-520-056-000	$45.04
20	006-520-017-000	$45.04	55	006-520-057-000	$45.04
21	006-520-018-000	$45.04	56	006-520-058-000	$45.04
22	006-520-019-000	$45.04	57	006-520-059-000	$45.04
23	006-520-020-000	$45.04	58	006-520-060-000	$45.04
24	006-520-021-000	$45.04	59	006-520-061-000	$45.04
25	006-520-022-000	$45.04	60	006-520-062-000	$45.04
26	006-520-023-000	$45.04	61	006-520-080-000	$66.28
27	006-520-024-000	$45.04	62	006-520-081-000	$66.28
28	006-520-025-000	$45.04	63	006-520-082-000	$66.28
29	006-520-027-000	$45.04	64	006-520-067-000	$45.04
30	006-520-026-000	$45.04	65	006-520-068-000	$45.04
31	006-520-079-000	$99.44	66	006-520-069-000	$45.04
32	006-520-030-000	$45.04	67	006-520-070-000	$45.04
33	006-520-077-000	$99.44	68	006-520-071-000	$45.04
34	006-520-033-000	$45.04	69	006-520-072-000	$45.04
35	006-520-034-000	$45.04	70	006-520-073-000	$45.04
71	006-520-074-000	$45.04			
72	006-520-075-000	$45.04			
	TOTAL	$3,578.57			

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 21B - HOME RANCH PHASE II

TOTAL ASSESSMENT:
$1,606.56

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-510-061-000	$20.22	36	006-520-035-000	$20.22
2	006-510-062-000	$20.22	37	006-520-083-000	$44.64
3	006-510-063-000	$20.22	38	006-520-038-000	$20.22
4	006-520-001-000	$20.22	39	006-520-085-000	$44.64
5	006-520-002-000	$20.22	40	006-520-041-000	$20.22
6	006-520-003-000	$20.22	41	006-520-042-000	$20.22
7	006-520-004-000	$20.22	42	006-520-043-000	$20.22
8	006-520-005-000	$20.22	43	006-520-044-000	$20.22
9	006-520-006-000	$20.22	44	006-520-084-000	$44.64
10	006-520-007-000	$20.22	45	006-520-047-000	$20.22
11	006-520-008-000	$20.22	46	006-520-048-000	$20.22
12	006-520-009-000	$20.22	47	006-520-049-000	$20.22
13	006-520-010-000	$20.22	48	006-520-050-000	$20.22
14	006-520-011-000	$20.22	49	006-520-051-000	$20.22
15	006-520-012-000	$20.22	50	006-520-052-000	$20.22
16	006-520-013-000	$20.22	51	006-520-053-000	$20.22
17	006-520-014-000	$20.22	52	006-520-054-000	$20.22
18	006-520-015-000	$20.22	53	006-520-055-000	$20.22
19	006-520-016-000	$20.22	54	006-520-056-000	$20.22
20	006-520-017-000	$20.22	55	006-520-057-000	$20.22
21	006-520-018-000	$20.22	56	006-520-058-000	$20.22
22	006-520-019-000	$20.22	57	006-520-059-000	$20.22
23	006-520-020-000	$20.22	58	006-520-060-000	$20.22
24	006-520-021-000	$20.22	59	006-520-061-000	$20.22
25	006-520-022-000	$20.22	60	006-520-062-000	$20.22
26	006-520-023-000	$20.22	61	006-520-080-000	$29.76
27	006-520-024-000	$20.22	62	006-520-081-000	$29.76
28	006-520-025-000	$20.22	63	006-520-082-000	$29.76
29	006-520-027-000	$20.22	64	006-520-067-000	$20.22
30	006-520-026-000	$20.22	65	006-520-068-000	$20.22
31	006-520-079-000	$44.64	66	006-520-069-000	$20.22
32	006-520-030-000	$20.22	67	006-520-070-000	$20.22
33	006-520-077-000	$44.64	68	006-520-071-000	$20.22
34	006-520-033-000	$20.22	69	006-520-072-000	$20.22
35	006-520-034-000	$20.22	70	006-520-073-000	$20.22
71	006-520-074-000	$20.22			
72	006-520-075-000	$20.22			
	TOTAL	$1,606.56			

CITY OF MADERA

ZONE 21C

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2016-2017

1.	BEGINNING FUND BALANCE			$	49,138.46
2.	LANDSCAPE MAINTENANCE COSTS	$	5,613.43		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,222.26		
	b. ENGINEERING ADMINISTRATION	$	698.57		
	c. LEGAL ADMINISTRATION	$	56.50		
	d. FINANCE ADMINISTRATION	$	151.61		
	e. TREE TRIMMING	$	765.00		
	f. GAS & UTILITIES	$	537.22		
	g. EQUIPMENT	$	320.07		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	644.45		
			TOTAL COSTS:	$	10,009.11
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				39,129.35
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 21C - HOME RANCH PHASE III

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-562-001-000	$0.00	36	006-562-020-000	$0.00
2	006-562-002-000	$0.00	37	006-562-062-000	$0.00
3	006-562-003-000	$0.00	38	006-562-060-000	$0.00
4	006-562-063-000	$0.00	39	006-562-059-000	$0.00
5	006-561-001-000	$0.00	40	006-562-058-000	$0.00
6	006-561-002-000	$0.00	41	006-562-057-000	$0.00
7	006-561-003-000	$0.00	42	006-561-020-000	$0.00
8	006-561-004-000	$0.00	43	006-561-021-000	$0.00
9	006-561-005-000	$0.00	44	006-561-022-000	$0.00
10	006-561-006-000	$0.00	45	006-561-023-000	$0.00
11	006-561-007-000	$0.00	46	006-561-024-000	$0.00
12	006-561-008-000	$0.00	47	006-561-025-000	$0.00
13	006-561-009-000	$0.00	48	006-561-026-000	$0.00
14	006-561-010-000	$0.00	49	006-561-027-000	$0.00
15	006-561-011-000	$0.00	50	006-561-028-000	$0.00
16	006-561-012-000	$0.00	51	006-561-029-000	$0.00
17	006-561-013-000	$0.00	52	006-561-030-000	$0.00
18	006-561-014-000	$0.00	53	006-561-031-000	$0.00
19	006-561-015-000	$0.00	54	006-561-032-000	$0.00
20	006-562-006-000	$0.00	55	006-561-033-000	$0.00
21	006-562-007-000	$0.00	56	006-561-034-000	$0.00
22	006-562-008-000	$0.00	57	006-561-035-000	$0.00
23	006-562-009-000	$0.00	58	006-561-036-000	$0.00
24	006-562-010-000	$0.00	59	006-561-037-000	$0.00
25	006-562-011-000	$0.00	60	006-561-038-000	$0.00
26	006-562-012-000	$0.00	61	006-561-039-000	$0.00
27	006-562-013-000	$0.00	62	006-561-040-000	$0.00
28	006-562-064-000	$0.00	63	006-561-041-000	$0.00
29	006-561-043-000	$0.00	64	006-562-028-000	$0.00
30	006-561-018-000	$0.00	65	006-562-029-000	$0.00
31	006-561-019-000	$0.00	66	006-562-030-000	$0.00
32	006-562-016-000	$0.00	67	006-562-031-000	$0.00
33	006-562-017-000	$0.00	68	006-562-032-000	$0.00
34	006-562-018-000	$0.00	69	006-562-033-000	$0.00
35	006-562-019-000	$0.00	70	006-562-034-000	$0.00
71	006-562-035-000	$0.00			

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
72	006-562-036-000	$0.00			
73	006-562-037-000	$0.00			
74	006-562-038-000	$0.00			
75	006-562-039-000	$0.00			
76	006-562-040-000	$0.00			
77	006-562-041-000	$0.00			
78	006-562-042-000	$0.00			
79	006-562-043-000	$0.00			
80	006-562-044-000	$0.00			
81	006-562-045-000	$0.00			
82	006-562-046-000	$0.00			
83	006-562-047-000	$0.00			
84	006-562-048-000	$0.00			
85	006-562-049-000	$0.00			
86	006-562-061-000	$0.00			
	TOTAL	$0.00			

CITY OF MADERA

ZONE 21D

.

2016-2017

1.	BEGINNING FUND BALANCE			$	26,405.43
2.	LANDSCAPE MAINTENANCE COSTS	$	2,810.84		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,222.26		
	b. ENGINEERING ADMINISTRATION	$	460.80		
	c. LEGAL ADMINISTRATION	$	37.27		
	d. FINANCE ADMINISTRATION	$	100.00		
	e. TREE TRIMMING	$	833.00		
	f. GAS & UTILITIES	$	264.00		
	g. EQUIPMENT	$	160.27		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	322.70		
			TOTAL COSTS:	$	6,211.14
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				20,194.29
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 21D - HOME RANCH PHASE IV

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-511-001-000	$0.00	36	006-511-036-000	$0.00
2	006-511-002-000	$0.00	37	006-511-037-000	$0.00
3	006-511-003-000	$0.00	38	006-511-038-000	$0.00
4	006-511-004-000	$0.00	39	006-511-039-000	$0.00
5	006-511-005-000	$0.00	40	006-511-040-000	$0.00
6	006-511-006-000	$0.00	41	006-511-041-000	$0.00
7	006-511-007-000	$0.00	42	006-511-042-000	$0.00
8	006-511-008-000	$0.00	43	006-511-043-000	$0.00
9	006-511-009-000	$0.00	44	006-511-044-000	$0.00
10	006-511-010-000	$0.00	45	006-511-045-000	$0.00
11	006-511-011-000	$0.00	46	006-511-046-000	$0.00
12	006-511-012-000	$0.00	47	006-511-047-000	$0.00
13	006-511-013-000	$0.00	48	006-511-048-000	$0.00
14	006-511-014-000	$0.00	49	006-511-049-000	$0.00
15	006-511-015-000	$0.00	50	006-511-050-000	$0.00
16	006-511-016-000	$0.00	51	006-511-051-000	$0.00
17	006-511-017-000	$0.00	52	006-511-052-000	$0.00
18	006-511-018-000	$0.00	53	006-511-053-000	$0.00
19	006-511-019-000	$0.00	54	006-511-054-000	$0.00
20	006-511-020-000	$0.00			
21	006-511-021-000	$0.00		TOTAL	$0.00
22	006-511-022-000	$0.00			
23	006-511-023-000	$0.00			
24	006-511-024-000	$0.00			
25	006-511-025-000	$0.00			
26	006-511-026-000	$0.00			
27	006-511-027-000	$0.00			
28	006-511-028-000	$0.00			
29	006-511-029-000	$0.00			
30	006-511-030-000	$0.00			
31	006-511-031-000	$0.00			
32	006-511-032-000	$0.00			
33	006-511-033-000	$0.00			
34	006-511-034-000	$0.00			
35	006-511-035-000	$0.00			

CITY OF MADERA

ZONE 23

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2016-2017

1.	BEGINNING FUND BALANCE				$	0.00
2.	LANDSCAPE MAINTENANCE COSTS		$	0.00		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	0.00		
	b.	ENGINEERING ADMINISTRATION	$	0.00		
	c.	LEGAL ADMINISTRATION	$	0.00		
	d.	FINANCE ADMINISTRATION	$	0.00		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	10.09		
	g.	EQUIPMENT	$	40.37		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	0.00		
				TOTAL COSTS:	$	50.46
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					271.69
5.	TOTAL ASSESSMENT				$	322.05
6.	AVERAGE ASSESSMENT PER PARCEL					35.79

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 23 - ELM ESTATES II

TOTAL ASSESSMENT:
$322.05

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-150-004-000	$35.78			
2	008-150-005-000	$35.78			
3	008-150-006-000	$35.78			
4	008-150-007-000	$35.78			
5	008-150-008-000	$35.78			
6	008-150-009-000	$35.78			
7	008-150-010-000	$35.78			
8	008-150-011-000	$35.78			
9	008-150-012-000	$35.78			
	TOTAL	$322.05			

CITY OF MADERA

ZONE 24

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2016-2017

1.	BEGINNING FUND BALANCE			$	294.11
2.	LANDSCAPE MAINTENANCE COSTS	$	7,731.59		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	444.46		
	b. ENGINEERING ADMINISTRATION	$	416.21		
	c. LEGAL ADMINISTRATION	$	33.67		
	d. FINANCE ADMINISTRATION	$	90.33		
	e. TREE TRIMMING	$	0.00		
	f. GAS & UTILITIES	$	739.76		
	g. EQUIPMENT	$	440.85		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	887.62		
			TOTAL COSTS:	$	10,784.49
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				984.13
5.	TOTAL ASSESSMENT			$	11,474.03
6.	AVERAGE ASSESSMENT PER PARCEL				239.05

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 24 - VISTA DEL SIERRA (RDA)

TOTAL ASSESSMENT:
$11,474.03

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-120-003-000	$239.04	36	008-120-038-000	$239.04
2	008-120-004-000	$239.04	37	008-120-039-000	$239.04
3	008-120-005-000	$239.04	38	008-120-040-000	$239.04
4	008-120-006-000	$239.04	39	008-120-041-000	$239.04
5	008-120-007-000	$239.04	40	008-120-042-000	$239.04
6	008-120-008-000	$239.04	41	008-120-043-000	$239.04
7	008-120-009-000	$239.04	42	008-120-044-000	$239.04
8	008-120-010-000	$239.04	43	008-120-045-000	$239.04
9	008-120-011-000	$239.04	44	008-120-046-000	$239.04
10	008-120-012-000	$239.04	45	008-120-047-000	$239.04
11	008-120-013-000	$239.04	46	008-120-048-000	$239.04
12	008-120-014-000	$239.04	47	008-120-049-000	$239.04
13	008-120-015-000	$239.04	48	008-120-050-000	$239.04
14	008-120-016-000	$239.04			
15	008-120-017-000	$239.04			$11,474.03
16	008-120-018-000	$239.04			
17	008-120-019-000	$239.04			
18	008-120-020-000	$239.04			
19	008-120-021-000	$239.04			
20	008-120-022-000	$239.04			
21	008-120-023-000	$239.04			
22	008-120-024-000	$239.04			
23	008-120-025-000	$239.04			
24	008-120-026-000	$239.04			
25	008-120-027-000	$239.04			
26	008-120-028-000	$239.04			
27	008-120-029-000	$239.04			
28	008-120-030-000	$239.04			
29	008-120-031-000	$239.04			
30	008-120-032-000	$239.04			
31	008-120-033-000	$239.04			
32	008-120-034-000	$239.04			
33	008-120-035-000	$239.04			
34	008-120-036-000	$239.04			
35	008-120-037-000	$239.04			

CITY OF MADERA

ZONE 25C

2016-2017

+	BEGINNING FUND BALANCE				$	(462.70)
2.	LANDSCAPE MAINTENANCE COSTS	$	715.38			
3.	INCIDENTAL COSTS:					
	a. PARKS ADMINISTRATION	$	320.01			
	b. ENGINEERING ADMINISTRATION	$	178.38			
	c. LEGAL ADMINISTRATION	$	14.43			
	d. FINANCE ADMINISTRATION	$	38.71			
	e. TREE TRIMMING	$	0.00			
	f. GAS & UTILITIES	$	137.45			
	g. EQUIPMENT	$	84.98			
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	82.13			
				TOTAL COSTS:	$	1,571.48
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(503.97)
5.	TOTAL ASSESSMENT				$	1,529.79
6	AVERAGE ASSESSMENT PER PARCEL					36.43

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 25C - COTTONWOOD PHASE III

TOTAL ASSESSMENT:
$1,529.79

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-570-001-000	$36.42	36	006-570-036-000	$36.42
2	006-570-002-000	$36.42	37	006-570-037-000	$36.42
3	006-570-003-000	$36.42	38	006-570-038-000	$36.42
4	006-570-004-000	$36.42	39	006-570-039-000	$36.42
5	006-570-005-000	$36.42	40	006-570-040-000	$36.42
6	006-570-006-000	$36.42	41	006-570-041-000	$36.42
7	006-570-007-000	$36.42	42	006-570-042-000	$36.42
8	006-570-008-000	$36.42			
9	006-570-009-000	$36.42			$1,529.79
10	006-570-010-000	$36.42			
11	006-570-011-000	$36.42			
12	006-570-012-000	$36.42			
13	006-570-013-000	$36.42			
14	006-570-014-000	$36.42			
15	006-570-015-000	$36.42			
16	006-570-016-000	$36.42			
17	006-570-017-000	$36.42			
18	006-570-018-000	$36.42			
19	006-570-019-000	$36.42			
20	006-570-020-000	$36.42			
21	006-570-021-000	$36.42			
22	006-570-022-000	$36.42			
23	006-570-023-000	$36.42			
24	006-570-024-000	$36.42			
25	006-570-025-000	$36.42			
26	006-570-026-000	$36.42			
27	006-570-027-000	$36.42			
28	006-570-028-000	$36.42			
29	006-570-029-000	$36.42			
30	006-570-030-000	$36.42			
31	006-570-031-000	$36.42			
32	006-570-032-000	$36.42			
33	006-570-033-000	$36.42			
34	006-570-034-000	$36.42			
35	006-570-035-000	$36.42			

CITY OF MADERA

ZONE 25D

2016-2017

+	BEGINNING FUND BALANCE				$	300.43
2.	LANDSCAPE MAINTENANCE COSTS		$	1,044.33		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	666.69		
	b.	ENGINEERING ADMINISTRATION	$	349.34		
	c.	LEGAL ADMINISTRATION	$	28.26		
	d.	FINANCE ADMINISTRATION	$	75.82		
	e.	TREE TRIMMING	$	360.00		
	f.	GAS & UTILITIES	$	137.45		
	g.	EQUIPMENT	$	59.55		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	119.89		
				TOTAL COSTS:	$	2,841.32
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					548.14
5.	TOTAL ASSESSMENT				$	3,088.64
6.	AVERAGE ASSESSMENT PER PARCEL					79.21

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

Zone 25D - Cottonwood Esates Phase 4

TOTAL ASSESSMENT:
$3,088.64

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-580-001-000	$79.20	36	006-580-036-000	$79.20
2	006-580-002-000	$79.20	37	006-580-037-000	$79.20
3	006-580-003-000	$79.20	38	006-580-038-000	$79.20
4	006-580-004-000	$79.20	39	006-580-039-000	$79.20
5	006-580-005-000	$79.20			
				Total	$3,088.64
6	006-580-006-000	$79.20			
7	006-580-007-000	$79.20			
8	006-580-008-000	$79.20			
9	006-580-009-000	$79.20			
10	006-580-010-000	$79.20			
11	006-580-011-000	$79.20			
12	006-580-012-000	$79.20			
13	006-580-013-000	$79.20			
14	006-580-014-000	$79.20			
15	006-580-015-000	$79.20			
16	006-580-016-000	$79.20			
17	006-580-017-000	$79.20			
18	006-580-018-000	$79.20			
19	006-580-019-000	$79.20			
20	006-580-020-000	$79.20			
21	006-580-021-000	$79.20			
22	006-580-022-000	$79.20			
23	006-580-023-000	$79.20			
24	006-580-024-000	$79.20			
25	006-580-025-000	$79.20			
26	006-580-026-000	$79.20			
27	006-580-027-000	$79.20			
28	006-580-028-000	$79.20			
29	006-580-029-000	$79.20			
30	006-580-030-000	$79.20			
31	006-580-031-000	$79.20			
32	006-580-032-000	$79.20			
33	006-580-033-000	$79.20			
34	006-580-034-000	$79.20			
35	006-580-035-000	$79.20			

CITY OF MADERA

ZONE 26

2016-2017

1.	BEGINNING FUND BALANCE				$	14.33
2.	LANDSCAPE MAINTENANCE COSTS		$	150.18		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	148.34		
	b.	ENGINEERING ADMINISTRATION	$	284.41		
	c.	LEGAL ADMINISTRATION	$	23.00		
	d.	FINANCE ADMINISTRATION	$	61.72		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	22.02		
	g.	EQUIPMENT	$	19.24		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	17.24		
				TOTAL COSTS:	$	726.16
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					460.00
5.	TOTAL ASSESSMENT				$	1,171.84
6.	AVERAGE ASSESSMENT PER PARCEL					15.02

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 26 - CORDOVA ESTATES PHASE I & II

TOTAL ASSESSMENT:
$1,171.84

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-260-001-000	$15.02	36	005-260-036-000	$15.02
2	005-260-002-000	$15.02	37	005-260-037-000	$15.02
3	005-260-003-000	$15.02	38	005-260-038-000	$15.02
4	005-260-004-000	$15.02	39	005-260-039-000	$15.02
5	005-260-005-000	$15.02	40	005-260-040-000	$15.02
6	005-260-006-000	$15.02	41	005-260-041-000	$15.02
7	005-260-007-000	$15.02	42	005-260-042-000	$15.02
8	005-260-008-000	$15.02	43	005-260-043-000	$15.02
9	005-260-009-000	$15.02	44	005-260-044-000	$15.02
10	005-260-010-000	$15.02	45	005-260-045-000	$15.02
11	005-260-011-000	$15.02	46	005-260-046-000	$15.02
12	005-260-012-000	$15.02	47	005-260-047-000	$15.02
13	005-260-013-000	$15.02	48	005-260-048-000	$15.02
14	005-260-014-000	$15.02	49	005-260-049-000	$15.02
15	005-260-015-000	$15.02	50	005-260-050-000	$15.02
16	005-260-016-000	$15.02	51	005-260-051-000	$15.02
17	005-260-017-000	$15.02	52	005-260-052-000	$15.02
18	005-260-018-000	$15.02	53	005-260-053-000	$15.02
19	005-260-019-000	$15.02	54	005-260-054-000	$15.02
20	005-260-020-000	$15.02	55	005-260-055-000	$15.02
21	005-260-021-000	$15.02	56	005-260-056-000	$15.02
22	005-260-022-000	$15.02	57	005-260-057-000	$15.02
23	005-260-023-000	$15.02	58	005-260-058-000	$15.02
24	005-260-024-000	$15.02	59	005-260-059-000	$15.02
25	005-260-025-000	$15.02	60	005-260-060-000	$15.02
26	005-260-026-000	$15.02	61	005-260-061-000	$15.02
27	005-260-027-000	$15.02	62	005-260-062-000	$15.02
28	005-260-028-000	$15.02	63	005-260-063-000	$15.02
29	005-260-029-000	$15.02	64	005-260-064-000	$15.02
30	005-260-030-000	$15.02	65	005-260-065-000	$15.02
31	005-260-031-000	$15.02	66	005-260-066-000	$15.02
32	005-260-032-000	$15.02	67	005-260-067-000	$15.02
33	005-260-033-000	$15.02	68	005-260-068-000	$15.02
34	005-260-034-000	$15.02	69	005-260-069-000	$15.02
35	005-260-035-000	$15.02	70	005-260-070-000	$15.02

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	005-260-071-000	$15.02			
72	005-260-072-000	$15.02			
73	005-260-073-000	$15.02			
74	005-260-074-000	$15.02			
75	005-260-075-000	$15.02			
76	005-260-076-000	$15.02			
77	005-260-077-000	$15.02			
78	005-260-078-000	$15.02			
	TOTAL	$1,171.84			

CITY OF MADERA

ZONE 26B

2016-2017

1.	BEGINNING FUND BALANCE			$	(287.57)
2.	LANDSCAPE MAINTENANCE COSTS	$	788.85		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	189.01		
	b. ENGINEERING ADMINISTRATION	$	290.76		
	c. LEGAL ADMINISTRATION	$	23.52		
	d. FINANCE ADMINISTRATION	$	63.10		
	e. TREE TRIMMING	$	0.00		
	f. GAS & UTILITIES	$	58.91		
	g. EQUIPMENT	$	79.33		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	90.56		
			TOTAL COSTS:	$	1,584.03
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				(348.26)
5.	TOTAL ASSESSMENT			$	1,522.74
6.	AVERAGE ASSESSMENT PER PARCEL				24.97

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 26B - CORDOVA ESTATES PHASE III

TOTAL ASSESSMENT:
$1,522.74

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-240-003-000	$24.96	36	005-240-040-000	$24.96
2	005-240-004-000	$24.96	37	005-240-041-000	$24.96
3	005-240-005-000	$24.96	38	005-240-042-000	$24.96
4	005-240-006-000	$24.96	39	005-240-043-000	$24.96
5	005-240-007-000	$24.96	40	005-240-044-000	$24.96
6	005-240-008-000	$24.96	41	005-240-045-000	$24.96
7	005-240-009-000	$24.96	42	005-240-046-000	$24.96
8	005-240-010-000	$24.96	43	005-240-047-000	$24.96
9	005-240-011-000	$24.96	44	005-240-048-000	$24.96
10	005-240-012-000	$24.96	45	005-240-049-000	$24.96
11	005-240-013-000	$24.96	46	005-240-050-000	$24.96
12	005-240-016-000	$24.96	47	005-240-051-000	$24.96
13	005-240-017-000	$24.96	48	005-240-052-000	$24.96
14	005-240-018-000	$24.96	49	005-240-053-000	$24.96
15	005-240-019-000	$24.96	50	005-240-054-000	$24.96
16	005-240-020-000	$24.96	51	005-240-055-000	$24.96
17	005-240-021-000	$24.96	52	005-240-056-000	$24.96
18	005-240-022-000	$24.96	53	005-240-057-000	$24.96
19	005-240-023-000	$24.96	54	005-240-058-000	$24.96
20	005-240-024-000	$24.96	55	005-240-059-000	$24.96
21	005-240-025-000	$24.96	56	005-240-060-000	$24.96
22	005-240-026-000	$24.96	57	005-240-061-000	$24.96
23	005-240-027-000	$24.96	58	005-240-062-000	$24.96
24	005-240-028-000	$24.96	59	005-240-064-000	$24.96
25	005-240-029-000	$24.96	60	005-240-065-000	$24.96
26	005-240-030-000	$24.96	61	005-240-066-000	$24.96
27	005-240-031-000	$24.96			
28	005-240-032-000	$24.96		TOTAL	$1,522.74
29	005-240-033-000	$24.96			
30	005-240-034-000	$24.96			
31	005-240-035-000	$24.96			
32	005-240-036-000	$24.96			
33	005-240-037-000	$24.96			
34	005-240-038-000	$24.96			
35	005-240-039-000	$24.96			

CITY OF MADERA

ZONE 26C

2016-2017

1.	BEGINNING FUND BALANCE				$	135.30
2.	LANDSCAPE MAINTENANCE COSTS		$	190.45		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	281.68		
	b.	ENGINEERING ADMINISTRATION	$	376.82		
	c.	LEGAL ADMINISTRATION	$	30.48		
	d.	FINANCE ADMINISTRATION	$	81.78		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	22.02		
	g.	EQUIPMENT	$	12.85		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	21.86		
				TOTAL COSTS:	$	1,017.93
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					22.53
5.	TOTAL ASSESSMENT				$	904.63
6.	AVERAGE ASSESSMENT PER PARCEL					17.41

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 26C - CORDOVA ESTATES PHASE IV

TOTAL ASSESSMENT:
$904.63

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-241-002-000	$17.40	36	005-241-037-000	$17.40
2	005-241-003-000	$17.40	37	005-241-038-000	$17.40
3	005-241-004-000	$17.40	38	005-241-039-000	$17.40
4	005-241-005-000	$17.40	39	005-241-040-000	$17.40
5	005-241-006-000	$17.40	40	005-241-041-000	$17.40
6	005-241-007-000	$17.40	41	005-241-042-000	$17.40
7	005-241-008-000	$17.40	42	005-241-043-000	$17.40
8	005-241-009-000	$17.40	43	005-241-044-000	$17.40
9	005-241-010-000	$17.40	44	005-241-045-000	$17.40
10	005-241-011-000	$17.40	45	005-241-046-000	$17.40
11	005-241-012-000	$17.40	46	005-241-047-000	$17.40
12	005-241-013-000	$17.40	47	005-241-048-000	$17.40
13	005-241-014-000	$17.40	48	005-241-049-000	$17.40
14	005-241-015-000	$17.40	49	005-241-050-000	$17.40
15	005-241-016-000	$17.40	50	005-241-051-000	$17.40
16	005-241-017-000	$17.40	51	005-241-052-000	$17.40
17	005-241-018-000	$17.40	52	005-241-053-000	$17.40
18	005-241-019-000	$17.40			
19	005-241-020-000	$17.40		TOTAL	$904.63
20	005-241-021-000	$17.40			
21	005-241-022-000	$17.40			
22	005-241-023-000	$17.40			
23	005-241-024-000	$17.40			
24	005-241-025-000	$17.40			
25	005-241-026-000	$17.40			
26	005-241-027-000	$17.40			
27	005-241-028-000	$17.40			
28	005-241-029-000	$17.40			
29	005-241-030-000	$17.40			
30	005-241-031-000	$17.40			
31	005-241-032-000	$17.40			
32	005-241-033-000	$17.40			
33	005-241-034-000	$17.40			
34	005-241-035-000	$17.40			
35	005-241-036-000	$17.40			

CITY OF MADERA

ZONE 26D

2016-2017

1.	BEGINNING FUND BALANCE				$	(65.87)
2.	LANDSCAPE MAINTENANCE COSTS	$	214.81			
3.	INCIDENTAL COSTS:					
	a. PARKS ADMINISTRATION	$	136.67			
	b. ENGINEERING ADMINISTRATION	$	94.49			
	c. LEGAL ADMINISTRATION	$	7.64			
	d. FINANCE ADMINISTRATION	$	20.51			
	e. TREE TRIMMING	$	0.00			
	f. GAS & UTILITIES	$	58.91			
	g. EQUIPMENT	$	29.87			
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	24.66			
				TOTAL COSTS:	$	587.56
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					(42.82)
5.	TOTAL ASSESSMENT				$	610.38
6.	AVERAGE ASSESSMENT PER PARCEL					26.55

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 26D - OAKWOOD ESTATES

TOTAL ASSESSMENT:
$610.38

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-161-001-000	$26.54			
2	005-161-002-000	$26.54			
3	005-161-003-000	$26.54			
4	005-161-004-000	$26.54			
5	005-161-005-000	$26.54			
6	005-161-006-000	$26.54			
7	005-161-007-000	$26.54			
8	005-161-008-000	$26.54			
9	005-161-009-000	$26.54			
10	005-161-010-000	$26.54			
11	005-161-011-000	$26.54			
12	005-161-012-000	$26.54			
13	005-161-013-000	$26.54			
14	005-161-014-000	$26.54			
15	005-161-015-000	$26.54			
16	005-161-016-000	$26.54			
17	005-161-017-000	$26.54			
18	005-161-018-000	$26.54			
19	005-161-019-000	$26.54			
20	005-161-020-000	$26.54			
21	005-161-021-000	$26.54			
22	005-161-022-000	$26.54			
23	005-161-023-000	$26.54			
	TOTAL	$610.38			

CITY OF MADERA

ZONE 27A

2016-2017

1.	BEGINNING FUND BALANCE				$	860.93
2.	LANDSCAPE MAINTENANCE COSTS	$	448.41			
3.	INCIDENTAL COSTS:					
	a. PARKS ADMINISTRATION	$	333.34			
	b. ENGINEERING ADMINISTRATION	$	401.35			
	c. LEGAL ADMINISTRATION	$	32.46			
	d. FINANCE ADMINISTRATION	$	87.10			
	e. TREE TRIMMING	$	203.00			
	f. GAS & UTILITIES	$	41.19			
	g. EQUIPMENT	$	25.57			
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	51.48			
				TOTAL COSTS:	$	1,623.91
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					882.14
5.	TOTAL ASSESSMENT				$	1,645.12
6.	AVERAGE ASSESSMENT PER PARCEL					35.76

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 27A - VINEYARD WEST I

TOTAL ASSESSMENT:
$1,645.12

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-454-001-000	$35.76	36	006-454-036-000	$35.76
2	006-454-002-000	$35.76	37	006-454-037-000	$35.76
3	006-454-003-000	$35.76	38	006-454-038-000	$35.76
4	006-454-004-000	$35.76	39	006-454-039-000	$35.76
5	006-454-005-000	$35.76	40	006-454-040-000	$35.76
6	006-454-006-000	$35.76	41	006-454-041-000	$35.76
7	006-454-007-000	$35.76	42	006-454-042-000	$35.76
8	006-454-008-000	$35.76	43	006-454-043-000	$35.76
9	006-454-009-000	$35.76	44	006-454-044-000	$35.76
10	006-454-010-000	$35.76	45	006-454-045-000	$35.76
11	006-454-011-000	$35.76	46	006-454-046-000	$35.76
12	006-454-012-000	$35.76			
13	006-454-013-000	$35.76		TOTAL	$1,645.12
14	006-454-014-000	$35.76			
15	006-454-015-000	$35.76			
16	006-454-016-000	$35.76			
17	006-454-017-000	$35.76			
18	006-454-018-000	$35.76			
19	006-454-019-000	$35.76			
20	006-454-020-000	$35.76			
21	006-454-021-000	$35.76			
22	006-454-022-000	$35.76			
23	006-454-023-000	$35.76			
24	006-454-024-000	$35.76			
25	006-454-025-000	$35.76			
26	006-454-026-000	$35.76			
27	006-454-027-000	$35.76			
28	006-454-028-000	$35.76			
29	006-454-029-000	$35.76			
30	006-454-030-000	$35.76			
31	006-454-031-000	$35.76			
32	006-454-032-000	$35.76			
33	006-454-033-000	$35.76			
34	006-454-034-000	$35.76			
35	006-454-035-000	$35.76			

CITY OF MADERA

ZONE 27B

2016-2017

1.	BEGINNING FUND BALANCE			$	1,319.43
2.	LANDSCAPE MAINTENANCE COSTS	$	1,788.93		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	333.34		
	b. ENGINEERING ADMINISTRATION	$	386.49		
	c. LEGAL ADMINISTRATION	$	31.26		
	d. FINANCE ADMINISTRATION	$	83.88		
	e. TREE TRIMMING	$	315.00		
	f. GAS & UTILITIES	$	171.24		
	g. EQUIPMENT	$	102.00		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	205.38		
			TOTAL COSTS:	$	3,417.53
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,558.57
5.	TOTAL ASSESSMENT			$	3,657.10
6.	AVERAGE ASSESSMENT PER PARCEL				83.11

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 27B - VINEYARD WEST II

TOTAL ASSESSMENT:
$3,657.10

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	006-550-001-000	$83.12	36	006-550-036-000	$83.12
2	006-550-002-000	$83.12	37	006-550-037-000	$83.12
3	006-550-003-000	$83.12	38	006-550-038-000	$83.12
4	006-550-004-000	$83.12	39	006-550-039-000	$83.12
5	006-550-005-000	$83.12	40	006-550-040-000	$83.12
6	006-550-006-000	$83.12	41	006-550-041-000	$83.12
7	006-550-007-000	$83.12	42	006-550-042-000	$83.12
8	006-550-008-000	$83.12	43	006-550-043-000	$83.12
9	006-550-009-000	$83.12	44	006-550-044-000	$83.12
10	006-550-010-000	$83.12			
				TOTAL	$3,657.10
11	006-550-011-000	$83.12			
12	006-550-012-000	$83.12			
13	006-550-013-000	$83.12			
14	006-550-014-000	$83.12			
15	006-550-015-000	$83.12			
16	006-550-016-000	$83.12			
17	006-550-017-000	$83.12			
18	006-550-018-000	$83.12			
19	006-550-019-000	$83.12			
20	006-550-020-000	$83.12			
21	006-550-021-000	$83.12			
22	006-550-022-000	$83.12			
23	006-550-023-000	$83.12			
24	006-550-024-000	$83.12			
25	006-550-025-000	$83.12			
26	006-550-026-000	$83.12			
27	006-550-027-000	$83.12			
28	006-550-028-000	$83.12			
29	006-550-029-000	$83.12			
30	006-550-030-000	$83.12			
31	006-550-031-000	$83.12			
32	006-550-032-000	$83.12			
33	006-550-033-000	$83.12			
34	006-550-034-000	$83.12			
35	006-550-035-000	$83.12			

CITY OF MADERA

ZONE 28A

2016-2017

1.	BEGINNING FUND BALANCE			$	10,732.33
2.	LANDSCAPE MAINTENANCE COSTS	$	1,808.99		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	777.80		
	b. ENGINEERING ADMINISTRATION	$	1,144.39		
	c. LEGAL ADMINISTRATION	$	92.57		
	d. FINANCE ADMINISTRATION	$	248.36		
	e. TREE TRIMMING	$	833.00		
	f. GAS & UTILITIES	$	180.34		
	g. EQUIPMENT	$	103.15		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	207.68		
			TOTAL COSTS:	$	5,396.28
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				5,336.05
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 28 - CAPISTRANO XII & XIV

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-500-002-000	$0.00	36	009-500-037-000	$0.00
2	009-500-003-000	$0.00	37	009-500-038-000	$0.00
3	009-500-004-000	$0.00	38	009-500-039-000	$0.00
4	009-500-005-000	$0.00	39	009-500-040-000	$0.00
5	009-500-006-000	$0.00	40	009-500-041-000	$0.00
6	009-500-007-000	$0.00	41	009-500-042-000	$0.00
7	009-500-008-000	$0.00	42	009-500-043-000	$0.00
8	009-500-009-000	$0.00	43	009-500-044-000	$0.00
9	009-500-010-000	$0.00	44	009-500-045-000	$0.00
10	009-500-011-000	$0.00	45	009-500-046-000	$0.00
11	009-500-012-000	$0.00	46	009-500-047-000	$0.00
12	009-500-013-000	$0.00	47	009-500-048-000	$0.00
13	009-500-014-000	$0.00	48	009-500-049-000	$0.00
14	009-500-015-000	$0.00	49	009-500-050-000	$0.00
15	009-500-016-000	$0.00	50	009-500-051-000	$0.00
16	009-500-017-000	$0.00	51	009-500-052-000	$0.00
17	009-500-018-000	$0.00	52	009-500-053-000	$0.00
18	009-500-019-000	$0.00	53	009-500-054-000	$0.00
19	009-500-020-000	$0.00	54	009-500-055-000	$0.00
20	009-500-021-000	$0.00	55	009-500-056-000	$0.00
21	009-500-022-000	$0.00	56	009-500-057-000	$0.00
22	009-500-023-000	$0.00	57	009-500-058-000	$0.00
23	009-500-024-000	$0.00	58	009-500-059-000	$0.00
24	009-500-025-000	$0.00	59	009-500-060-000	$0.00
25	009-500-026-000	$0.00	60	009-500-061-000	$0.00
26	009-500-027-000	$0.00	61	009-500-062-000	$0.00
27	009-500-028-000	$0.00	62	009-500-063-000	$0.00
28	009-500-029-000	$0.00	63	009-500-064-000	$0.00
29	009-500-030-000	$0.00	64	009-500-065-000	$0.00
30	009-500-031-000	$0.00	65	009-500-066-000	$0.00
31	009-500-032-000	$0.00	66	009-500-067-000	$0.00
32	009-500-033-000	$0.00	67	009-500-068-000	$0.00
33	009-500-034-000	$0.00	68	009-500-069-000	$0.00
34	009-500-035-000	$0.00	69	009-500-070-000	$0.00
35	009-500-036-000	$0.00	70	009-500-071-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment
71	009-500-072-000	$0.00
72	009-500-073-000	$0.00
73	009-500-074-000	$0.00
74	009-500-075-000	$0.00
75	009-500-076-000	$0.00
76	009-500-077-000	$0.00
77	009-500-078-000	$0.00
78	009-500-079-000	$0.00
79	009-500-080-000	$0.00
80	009-500-081-000	$0.00
81	009-500-082-000	$0.00
82	009-500-083-000	$0.00
83	009-500-084-000	$0.00
84	009-500-085-000	$0.00
85	009-500-086-000	$0.00
86	009-500-087-000	$0.00
87	009-530-001-000	$0.00
88	009-530-002-000	$0.00
89	009-530-003-000	$0.00
90	009-530-004-000	$0.00
91	009-530-005-000	$0.00
92	009-530-006-000	$0.00
93	009-530-007-000	$0.00
94	009-530-008-000	$0.00
95	009-530-009-000	$0.00
96	009-530-010-000	$0.00
97	009-530-011-000	$0.00
98	009-530-012-000	$0.00
99	009-530-013-000	$0.00
100	009-530-0014-000	$0.00
101	009-530-015-000	$0.00
102	009-530-016-000	$0.00
103	009-530-017-000	$0.00
104	009-530-018-000	$0.00
105	009-530-019-000	$0.00
106	009-530-020-000	$0.00
107	009-530-021-000	$0.00
108	009-530-022-000	$0.00
109	009-530-023-000	$0.00
110	009-530-024-000	$0.00
111	009-530-025-000	$0.00
112	009-530-026-000	$0.00
113	009-530-027-000	$0.00
114	009-530-028-000	$0.00
115	009-530-029-000	$0.00
116	009-530-030-000	$0.00
117	009-530-031-000	$0.00
118	009-530-032-000	$0.00
119	009-530-033-000	$0.00
120	009-530-034-000	$0.00
121	009-530-035-000	$0.00
122	009-530-036-000	$0.00
123	009-530-037-000	$0.00
124	009-530-038-000	$0.00
125	009-530-039-000	$0.00
126	009-530-040-000	$0.00
127	009-530-041-000	$0.00
128	009-530-042-000	$0.00
129	009-530-043-000	$0.00
130	009-530-044-000	$0.00
131	009-530-045-000	$0.00
132	009-530-046-000	$0.00
133	009-530-047-000	$0.00
134	009-530-048-000	$0.00
135	009-530-049-000	$0.00
136	009-530-050-000	$0.00
137	009-530-051-000	$0.00
138	009-530-052-000	$0.00
139	009-530-053-000	$0.00
140	009-530-054-000	$0.00
141	009-530-055-000	$0.00
142	009-530-056-000	$0.00
143	009-530-057-000	$0.00
144	009-530-058-000	$0.00
145	009-530-059-000	$0.00
146	009-530-060-000	$0.00
	TOTAL	$0.00

CITY OF MADERA

ZONE 28B

2016-2017

1.	BEGINNING FUND BALANCE				$	3,420.88
2.	LANDSCAPE MAINTENANCE COSTS		$	173.47		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	333.34		
	b.	ENGINEERING ADMINISTRATION	$	616.83		
	c.	LEGAL ADMINISTRATION	$	49.89		
	d.	FINANCE ADMINISTRATION	$	133.87		
	e.	TREE TRIMMING	$	180.00		
	f.	GAS & UTILITIES	$	43.90		
	g.	EQUIPMENT	$	9.89		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	19.91		
				TOTAL COSTS:	$	1,561.11
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,859.78
5.	TOTAL ASSESSMENT				$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL					0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 28B - CAPISTRANO XIII

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-510-003-000	$0.00	36	009-510-038-000	$0.00
2	009-510-004-000	$0.00	37	009-510-039-000	$0.00
3	009-510-005-000	$0.00	38	009-510-040-000	$0.00
4	009-510-006-000	$0.00	39	009-510-041-000	$0.00
5	009-510-007-000	$0.00	40	009-510-042-000	$0.00
6	009-510-008-000	$0.00	41	009-510-043-000	$0.00
7	009-510-009-000	$0.00	42	009-510-044-000	$0.00
8	009-510-010-000	$0.00	43	009-510-049-000	$0.00
9	009-510-011-000	$0.00	44	009-510-050-000	$0.00
10	009-510-012-000	$0.00	45	009-510-051-000	$0.00
11	009-510-013-000	$0.00	46	009-510-052-000	$0.00
12	009-510-014-000	$0.00	47	009-510-053-000	$0.00
13	009-510-015-000	$0.00	48	009-510-054-000	$0.00
14	009-510-016-000	$0.00	49	009-510-055-000	$0.00
15	009-510-017-000	$0.00	50	009-510-056-000	$0.00
16	009-510-018-000	$0.00	51	009-510-057-000	$0.00
17	009-510-019-000	$0.00	52	009-510-058-000	$0.00
18	009-510-020-000	$0.00	53	009-510-059-000	$0.00
19	009-510-021-000	$0.00	54	009-510-060-000	$0.00
20	009-510-022-000	$0.00	55	009-510-061-000	$0.00
21	009-510-023-000	$0.00	56	009-510-062-000	$0.00
22	009-510-024-000	$0.00	57	009-510-063-000	$0.00
23	009-510-025-000	$0.00	58	009-510-064-000	$0.00
24	009-510-026-000	$0.00	59	009-510-065-000	$0.00
25	009-510-027-000	$0.00	60	009-510-066-000	$0.00
26	009-510-028-000	$0.00	61	009-510-067-000	$0.00
27	009-510-029-000	$0.00	62	009-510-068-000	$0.00
28	009-510-030-000	$0.00	63	009-510-069-000	$0.00
29	009-510-031-000	$0.00	64	009-510-070-000	$0.00
30	009-510-032-000	$0.00	65	009-510-071-000	$0.00
31	009-510-033-000	$0.00	66	009-510-072-000	$0.00
32	009-510-034-000	$0.00	67	009-510-073-000	$0.00
33	009-510-035-000	$0.00	68	009-510-074-000	$0.00
34	009-510-036-000	$0.00	69	009-510-075-000	$0.00
35	009-510-037-000	$0.00	70	009-510-076-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	009-510-077-000	$0.00			
72	009-510-078-000	$0.00			
73	009-510-079-000	$0.00			
74	009-510-080-000	$0.00			
75	009-510-081-000	$0.00			
	TOTAL	$0.00			

CITY OF MADERA

ZONE 29

2016-2017

1.	BEGINNING FUND BALANCE				$	2,473.71
2.	LANDSCAPE MAINTENANCE COSTS		$	2,804.94		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	888.92		
	b.	ENGINEERING ADMINISTRATION	$	579.68		
	c.	LEGAL ADMINISTRATION	$	46.89		
	d.	FINANCE ADMINISTRATION	$	125.80		
	e.	TREE TRIMMING	$	495.00		
	f.	GAS & UTILITIES	$	112.72		
	g.	EQUIPMENT	$	159.94		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	322.02		
				TOTAL COSTS:	$	5,535.91
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					2,697.38
5.	TOTAL ASSESSMENT				$	5,759.58
6.	AVERAGE ASSESSMENT PER PARCEL					82.28

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 29 - CHATEAU AT THE VINEYARDS, PHASE I

TOTAL ASSESSMENT:
$5,759.58

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-420-001-000	$82.28	36	012-420-036-000	$82.28
2	012-420-002-000	$82.28	37	012-420-037-000	$82.28
3	012-420-003-000	$82.28	38	012-420-038-000	$82.28
4	012-420-004-000	$82.28	39	012-420-039-000	$82.28
5	012-420-005-000	$82.28	40	012-420-040-000	$82.28
6	012-420-006-000	$82.28	41	012-420-041-000	$82.28
7	012-420-007-000	$82.28	42	012-420-042-000	$82.28
8	012-420-008-000	$82.28	43	012-420-043-000	$82.28
9	012-420-009-000	$82.28	44	012-420-044-000	$82.28
10	012-420-010-000	$82.28	45	012-420-045-000	$82.28
11	012-420-011-000	$82.28	46	012-420-046-000	$82.28
12	012-420-012-000	$82.28	47	012-420-047-000	$82.28
13	012-420-013-000	$82.28	48	012-420-048-000	$82.28
14	012-420-014-000	$82.28	49	012-420-049-000	$82.28
15	012-420-015-000	$82.28	50	012-420-050-000	$82.28
16	012-420-016-000	$82.28	51	012-420-051-000	$82.28
17	012-420-017-000	$82.28	52	012-420-052-000	$82.28
18	012-420-018-000	$82.28	53	012-420-053-000	$82.28
19	012-420-019-000	$82.28	54	012-420-054-000	$82.28
20	012-420-020-000	$82.28	55	012-420-055-000	$82.28
21	012-420-021-000	$82.28	56	012-420-056-000	$82.28
22	012-420-022-000	$82.28	57	012-420-057-000	$82.28
23	012-420-023-000	$82.28	58	012-420-058-000	$82.28
24	012-420-024-000	$82.28	59	012-420-059-000	$82.28
25	012-420-025-000	$82.28	60	012-420-060-000	$82.28
26	012-420-026-000	$82.28	61	012-420-061-000	$82.28
27	012-420-027-000	$82.28	62	012-420-062-000	$82.28
28	012-420-028-000	$82.28	63	012-420-063-000	$82.28
29	012-420-029-000	$82.28	64	012-420-064-000	$82.28
30	012-420-030-000	$82.28	65	012-420-065-000	$82.28
31	012-420-031-000	$82.28	66	012-420-066-000	$82.28
32	012-420-032-000	$82.28	67	012-420-067-000	$82.28
33	012-420-033-000	$82.28	68	012-420-068-000	$82.28
34	012-420-034-000	$82.28	69	012-420-069-000	$82.28
35	012-420-035-000	$82.28	70	012-420-070-000	$82.28
				TOTAL	$5,759.58

CITY OF MADERA

ZONE 29B

2016-2017

1.	BEGINNING FUND BALANCE			$	2,160.65
2.	LANDSCAPE MAINTENANCE COSTS	$	1,163.51		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,222.26		
	b. ENGINEERING ADMINISTRATION	$	349.34		
	c. LEGAL ADMINISTRATION	$	28.26		
	d. FINANCE ADMINISTRATION	$	75.82		
	e. TREE TRIMMING	$	495.00		
	f. GAS & UTILITIES	$	112.72		
	g. EQUIPMENT	$	66.34		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	133.58		
			TOTAL COSTS:	$	3,646.83
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				2,212.85
5.	TOTAL ASSESSMENT			$	3,699.42
6.	AVERAGE ASSESSMENT PER PARCEL				94.85

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 29B - CHATEAU AT THE VINEYARDS, PHASE II

TOTAL ASSESSMENT:
$3,699.42

Assessment Number	Assessor's Parcel Number	Assessment
1	012-421-001-000	$94.86
2	012-421-002-000	$94.86
3	012-421-003-000	$94.86
4	012-421-004-000	$94.86
5	012-421-005-000	$94.86
6	012-421-006-000	$94.86
7	012-421-007-000	$94.86
8	012-421-008-000	$94.86
9	012-421-009-000	$94.86
10	012-421-010-000	$94.86
11	012-421-011-000	$94.86
12	012-421-012-000	$94.86
13	012-421-013-000	$94.86
14	012-421-014-000	$94.86
15	012-421-015-000	$94.86
16	012-421-016-000	$94.86
17	012-421-017-000	$94.86
18	012-421-018-000	$94.86
19	012-421-019-000	$94.86
20	012-421-020-000	$94.86
21	012-421-021-000	$94.86
22	012-421-022-000	$94.86
23	012-421-023-000	$94.86
24	012-421-024-000	$94.86
25	012-421-025-000	$94.86
26	012-421-026-000	$94.86
27	012-421-027-000	$94.86
28	012-421-028-000	$94.86
29	012-421-029-000	$94.86
30	012-421-030-000	$94.86
31	012-421-031-000	$94.86
32	012-421-032-000	$94.86
33	012421-033-000	$94.86
34	012-421-034-000	$94.86
35	012-421-035-000	$94.86
36	012-421-036-000	$94.86
37	012-421-037-000	$94.86
38	012-421-038-000	$94.86
39	012-421-039-000	$94.86
	TOTAL	$3,699.42

CITY OF MADERA

ZONE 29C

2016-2017

1.	BEGINNING FUND BALANCE				$	681.55
2.	LANDSCAPE MAINTENANCE COSTS		$	289.11		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,222.26		
	b.	ENGINEERING ADMINISTRATION	$	200.73		
	c.	LEGAL ADMINISTRATION	$	16.24		
	d.	FINANCE ADMINISTRATION	$	43.56		
	e.	TREE TRIMMING	$	495.00		
	f.	GAS & UTILITIES	$	63.20		
	g.	EQUIPMENT	$	16.48		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	33.19		
				TOTAL COSTS:	$	2,379.78
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					144.11
5.	TOTAL ASSESSMENT				$	1,842.15
6.	AVERAGE ASSESSMENT PER PARCEL					96.97

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 29C - CHATEAU AT THE VINEYARDS, PHASE III

TOTAL ASSESSMENT:
$1,842.15

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-421-041-000	$96.96			
2	012-421-042-000	$96.96			
3	012-421-043-000	$96.96			
4	012-421-044-000	$96.96			
5	012-421-045-000	$96.96			
6	012-421-046-000	$96.96			
7	012-421-047-000	$96.96			
8	012-421-048-000	$96.96			
9	012-421-049-000	$96.96			
10	012-421-050-000	$96.96			
11	012-421-051-000	$96.96			
12	012-421-052-000	$96.96			
13	012-421-053-000	$96.96			
14	012-420-072-000	$96.96			
15	012-420-073-000	$96.96			
16	012-420-074-000	$96.96			
17	012-420-075-000	$96.96			
18	012-420-076-000	$96.96			
19	012-420-077-000	$96.96			
	TOTAL	$1,842.15			

CITY OF MADERA

ZONE 29D

2016-2017

1.	BEGINNING FUND BALANCE				$	1,244.46
2.	LANDSCAPE MAINTENANCE COSTS		$	1,044.33		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,222.26		
	b.	ENGINEERING ADMINISTRATION	$	319.62		
	c.	LEGAL ADMINISTRATION	$	25.85		
	d.	FINANCE ADMINISTRATION	$	69.36		
	e.	TREE TRIMMING	$	495.00		
	f.	GAS & UTILITIES	$	112.72		
	g.	EQUIPMENT	$	59.55		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	119.89		
				TOTAL COSTS:	$	3,468.59
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					907.05
5.	TOTAL ASSESSMENT				$	3,131.18
6.	AVERAGE ASSESSMENT PER PARCEL					89.46

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 29D - CHATEAU AT THE VINEYARDS, PHASE IV

TOTAL ASSESSMENT:
$3,131.18

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-422-001-000	$89.46			
2	012-422-002-000	$89.46			
3	012-422-003-000	$89.46			
4	012-422-004-000	$89.46			
5	012-422-005-000	$89.46			
6	012-422-006-000	$89.46			
7	012-422-007-000	$89.46			
8	012-422-008-000	$89.46			
9	012-422-009-000	$89.46			
10	012-422-010-000	$89.46			
11	012-422-011-000	$89.46			
12	012-422-012-000	$89.46			
13	012-422-013-000	$89.46			
14	012-422-014-000	$89.46			
15	012-422-015-000	$89.46			
16	012-422-016-000	$89.46			
17	012-422-017-000	$89.46			
18	012-422-018-000	$89.46			
19	012-422-019-000	$89.46			
20	012-422-020-000	$89.46			
21	012-422-021-000	$89.46			
22	012-422-022-000	$89.46			
23	012-422-023-000	$89.46			
24	012-422-024-000	$89.46			
25	012-422-025-000	$89.46			
26	012-422-026-000	$89.46			
27	012-422-027-000	$89.46			
28	012-422-028-000	$89.46			
29	012-422-029-000	$89.46			
30	012-422-030-000	$89.46			
31	012-422-031-000	$89.46			
32	012-422-032-000	$89.46			
33	012-422-033-000	$89.46			
34	012-422-034-000	$89.46			
35	012-422-035-000	$89.46			
	TOTAL	$3,131.18			

CITY OF MADERA

ZONE 29E

2016-2017

1.	BEGINNING FUND BALANCE				$	1,458.04
2.	LANDSCAPE MAINTENANCE COSTS		$	588.84		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,222.26		
	b.	ENGINEERING ADMINISTRATION	$	237.89		
	c.	LEGAL ADMINISTRATION	$	19.24		
	d.	FINANCE ADMINISTRATION	$	51.63		
	e.	TREE TRIMMING	$	495.00		
	f.	GAS & UTILITIES	$	75.49		
	g.	EQUIPMENT	$	33.58		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	67.60		
				TOTAL COSTS:	$	2,791.52
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,252.17
5.	TOTAL ASSESSMENT				$	2,585.65
6.	AVERAGE ASSESSMENT PER PARCEL					107.74

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 29E - CHATEAU AT THE VINEYARDS, EAST

TOTAL ASSESSMENT:
$2,585.65

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-450-001-000	$107.74			
2	012-450-002-000	$107.74			
3	012-450-003-000	$107.74			
4	012-450-004-000	$107.74			
5	012-450-005-000	$107.74			
6	012-450-006-000	$107.74			
7	012-450-007-000	$107.74			
8	012-450-008-000	$107.74			
9	012-450-009-000	$107.74			
10	012-450-010-000	$107.74			
11	012-450-011-000	$107.74			
12	012-450-012-000	$107.74			
13	012-450-013-000	$107.74			
14	012-450-014-000	$107.74			
15	012-450-015-000	$107.74			
16	012-450-016-000	$107.74			
17	012-450-017-000	$107.74			
18	012-450-018-000	$107.74			
19	012-450-019-000	$107.74			
20	012-450-020-000	$107.74			
21	012-450-021-000	$107.74			
22	012-450-022-000	$107.74			
23	012-450-023-000	$107.74			
24	012-450-024-000	$107.74			
	TOTAL	$2,585.65			

CITY OF MADERA

ZONE 30

2016-2017

1.	BEGINNING FUND BALANCE				$	654.09
2.	LANDSCAPE MAINTENANCE COSTS		$	807.14		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	111.11		
	b.	ENGINEERING ADMINISTRATION	$	282.47		
	c.	LEGAL ADMINISTRATION	$	22.85		
	d.	FINANCE ADMINISTRATION	$	61.30		
	e.	TREE TRIMMING	$	135.00		
	f.	GAS & UTILITIES	$	31.46		
	g.	EQUIPMENT	$	46.02		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	92.66		
				TOTAL COSTS:	$	1,590.03
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					697.05
5.	TOTAL ASSESSMENT				$	1,633.29
6.	AVERAGE ASSESSMENT PER PARCEL					54.43

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 30 - YOSEMITE ESTATES

TOTAL ASSESSMENT:
$1,633.29

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-210-005-000	$54.44			
2	012-210-006-000	$54.44			
3	012-210-007-000	$54.44			
4	012-210-008-000	$54.44			
5	012-210-009-000	$54.44			
6	012-210-010-000	$54.44			
7	012-210-011-000	$54.44			
8	012-210-012-000	$54.44			
9	012-210-013-000	$54.44			
10	012-210-014-000	$54.44			
11	012-210-015-000	$54.44			
12	012-210-016-000	$54.44			
13	012-210-017-000	$54.44			
14	012-210-018-000	$54.44			
15	012-210-019-000	$54.44			
16	012-210-020-000	$54.44			
17	012-210-021-000	$54.44			
18	012-210-022-000	$54.44			
19	012-210-023-000	$54.44			
20	012-210-024-000	$54.44			
21	012-210-025-000	$54.44			
22	012-210-026-000	$54.44			
23	012-210-027-000	$54.44			
24	012-210-028-000	$54.44			
25	012-210-029-000	$54.44			
26	012-210-030-000	$54.44			
27	012-210-031-000	$54.44			
28	012-210-032-000	$54.44			
29	012-210-033-000	$54.44			
30	012-210-034-000	$54.44			
	TOTAL	$1,633.29			

CITY OF MADERA

ZONE 31A

2016-2017

1.	BEGINNING FUND BALANCE			$	(7,870.35)
2.	LANDSCAPE MAINTENANCE COSTS	$	15,859.67		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,055.76		
	b. ENGINEERING ADMINISTRATION	$	758.01		
	c. LEGAL ADMINISTRATION	$	61.31		
	d. FINANCE ADMINISTRATION	$	164.51		
	e. TREE TRIMMING	$	1,604.00		
	f. GAS & UTILITIES	$	1,041.00		
	g. EQUIPMENT	$	516.36		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	1,039.66		
			TOTAL COSTS:	$	22,100.28
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				(18,209.19)
5.	TOTAL ASSESSMENT			$	11,761.44
6.	AVERAGE ASSESSMENT PER PARCEL				125.12

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 31A - HIGHLANDS I

TOTAL ASSESSMENT:
$11,761.44

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-430-001-000	$125.12	36	012-430-036-000	$125.12
2	012-430-002-000	$125.12	37	012-430-037-000	$125.12
3	012-430-003-000	$125.12	38	012-431-001-000	$125.12
4	012-430-004-000	$125.12	39	012-431-002-000	$125.12
5	012-430-005-000	$125.12	40	012-431-003-000	$125.12
6	012-430-006-000	$125.12	41	012-431-004-000	$125.12
7	012-430-007-000	$125.12	42	012-431-005-000	$125.12
8	012-430-008-000	$125.12	43	012-431-006-000	$125.12
9	012-430-009-000	$125.12	44	012-431-007-000	$125.12
10	012-430-010-000	$125.12	45	012-431-008-000	$125.12
11	012-430-011-000	$125.12	46	012-431-009-000	$125.12
12	012-430-012-000	$125.12	47	012-431-010-000	$125.12
13	012-430-013-000	$125.12	48	012-431-011-000	$125.12
14	012-430-014-000	$125.12	49	012-431-012-000	$125.12
15	012-430-015-000	$125.12	50	012-431-013-000	$125.12
16	012-430-016-000	$125.12	51	012-431-014-000	$125.12
17	012-430-017-000	$125.12	52	012-431-015-000	$125.12
18	012-430-018-000	$125.12	53	012-431-016-000	$125.12
19	012-430-019-000	$125.12	54	012-431-017-000	$125.12
20	012-430-020-000	$125.12	55	012-431-018-000	$125.12
21	012-430-021-000	$125.12	56	012-431-019-000	$125.12
22	012-430-022-000	$125.12	57	012-431-020-000	$125.12
23	012-430-023-000	$125.12	58	012-431-021-000	$125.12
24	012-430-024-000	$125.12	59	012-431-022-000	$125.12
25	012-430-025-000	$125.12	60	012-431-023-000	$125.12
26	012-430-026-000	$125.12	61	012-431-024-000	$125.12
27	012-430-027-000	$125.12	62	012-431-025-000	$125.12
28	012-430-028-000	$125.12	63	012-431-026-000	$125.12
29	012-430-029-000	$125.12	64	012-431-027-000	$125.12
30	012-430-030-000	$125.12	65	012-431-028-000	$125.12
31	012-430-031-000	$125.12	66	012-431-029-000	$125.12
32	012-430-032-000	$125.12	67	012-431-030-000	$125.12
33	012-430-033-000	$125.12	68	012-431-031-000	$125.12
34	012-430-034-000	$125.12	69	012-431-032-000	$125.12
35	012-430-035-000	$125.12	70	012-431-033-000	$125.12

Assessment Number	Assessor's Parcel Number	Assessment		Assessment Number	Assessor's Parcel Number	Assessment
71	012-431-034-000	$125.12				
72	012-431-035-000	$125.12				
73	012-431-036-000	$125.12				
74	012-431-037-000	$125.12				
75	012-431-038-000	$125.12				
76	012-431-039-000	$125.12				
77	012-431-040-000	$125.12				
78	012-431-041-000	$125.12				
79	012-431-042-000	$125.12				
80	012-431-043-000	$125.12				
81	012-431-044-000	$125.12				
82	012-431-045-000	$125.12				
83	012-431-046-000	$125.12				
84	012-431-047-000	$125.12				
85	012-431-048-000	$125.12	City			
86	012-431-049-000	$125.12				
87	012-431-050-000	$125.12				
88	012-431-051-000	$125.12				
89	012-431-052-000	$125.12				
90	012-431-053-000	$125.12				
91	012-431-054-000	$125.12				
92	012-431-055-000	$125.12				
93	012-431-056-000	$125.12				
94	012-431-057-000	$125.12				
	SUB-TOTAL:	$11,636.32				
	Amount to be billed by A/R:	$125.12				
	TOTAL:	$11,761.44				

CITY OF MADERA

ZONE 31B

2016-2017

1.	BEGINNING FUND BALANCE			$	12,446.07
2.	LANDSCAPE MAINTENANCE COSTS	$	11,710.67		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	2,166.05		
	b. ENGINEERING ADMINISTRATION	$	1,894.86		
	c. LEGAL ADMINISTRATION	$	153.27		
	d. FINANCE ADMINISTRATION	$	411.23		
	e. TREE TRIMMING	$	2,852.00		
	f. GAS & UTILITIES	$	2,137.00		
	g. EQUIPMENT	$	1,059.39		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	2,133.00		
			TOTAL COSTS:	$	24,517.45
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				11,643.62
5.	TOTAL ASSESSMENT			$	23,715.00
6.	AVERAGE ASSESSMENT PER PARCEL				96.01

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 31B - HIGHLANDS II

TOTAL ASSESSMENT:
$23,715.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-371-001-000	$87.64	36	012-372-009-000	$87.64
2	012-371-002-000	$87.64	37	012-372-010-000	$87.64
3	012-371-003-000	$87.64	38	012-372-011-000	$87.64
4	012-371-004-000	$87.64	39	012-372-012-000	$87.64
5	012-371-005-000	$87.64	40	012-372-013-000	$87.64
6	012-371-006-000	$87.64	41	012-372-014-000	$87.64
7	012-371-007-000	$87.64	42	012-372-015-000	$87.64
8	012-371-008-000	$87.64	43	012-372-016-000	$87.64
9	012-371-009-000	$87.64	44	012-372-017-000	$87.64
10	012-371-010-000	$87.64	45	012-372-018-000	$87.64
11	012-371-011-000	$87.64	46	012-372-019-000	$87.64
12	012-371-012-000	$87.64	47	012-372-020-000	$87.64
13	012-371-013-000	$87.64	48	012-372-021-000	$87.64
14	012-371-014-000	$87.64	49	012-372-022-000	$87.64
15	012-371-015-000	$87.64	50	012-372-023-000	$87.64
16	012-371-016-000	$87.64	51	012-372-024-000	$87.64
17	012-371-017-000	$87.64	52	012-373-001-000	$87.64
18	012-371-018-000	$87.64	53	012-373-002-000	$87.64
19	012-371-019-000	$87.64	54	012-373-003-000	$87.64
20	012-371-020-000	$87.64	55	012-373-004-000	$87.64
21	012-371-021-000	$87.64	56	012-373-005-000	$87.64
22	012-371-022-000	$87.64	57	012-373-006-000	$87.64
23	012-371-023-000	$87.64	58	012-373-007-000	$87.64
24	012-371-024-000	$87.64	59	012-373-008-000	$87.64
25	012-371-025-000	$87.64	60	012-373-009-000	$87.64
26	012-371-026-000	$87.64	61	012-373-010-000	$87.64
27	012-371-027-000	$87.64	62	012-373-011-000	$87.64
28	012-372-001-000	$87.64	63	012-373-012-000	$87.64
29	012-372-002-000	$87.64	64	012-373-013-000	$87.64
30	012-372-003-000	$87.64	65	012-373-014-000	$87.64
31	012-372-004-000	$87.64	66	012-373-015-000	$87.64
32	012-372-005-000	$87.64	67	012-373-016-000	$87.64
33	012-372-006-000	$87.64	68	012-373-017-000	$87.64
34	012-372-007-000	$87.64	69	012-373-018-000	$87.64
35	012-372-008-000	$87.64	70	012-373-019-000	$87.64
71	012-373-020-000	$87.64	116	012-371-055-000	$87.64
72	012-373-021-000	$87.64	117	012-371-056-000	$87.64

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
73	012-373-022-000	$87.64	118	012-371-057-000	$87.64
74	012-373-023-000	$87.64	119	012-371-058-000	$87.64
75	012-373-024-000	$87.64	120	012-371-059-000	$87.64
76	012-372-025-000	$87.64	121	012-371-060-000	$87.64
77	012-372-026-000	$87.64	122	012-371-061-000	$87.64
78	012-372-027-000	$87.64	123	012-371-062-000	$87.64
79	012-372-028-000	$87.64	124	012-371-063-000	$87.64
80	012-372-029-000	$87.64	125	012-371-064-000	$87.64
81	012-372-030-000	$87.64	126	012-371-065-000	$87.64
82	012-372-031-000	$87.64	127	012-371-066-000	$87.64
83	012-372-032-000	$87.64	128	012-371-067-000	$87.64
84	012-372-033-000	$87.64	129	012-371-068-000	$87.64
85	012-372-034-000	$87.64	130	012-371-069-000	$87.64
86	012-372-035-000	$87.64	131	012-372-038-000	$87.64
87	012-372-071-000	$87.64	132	012-372-039-000	$87.64
88	012-372-072-000	$87.64	133	012-372-040-000	$87.64
89	012-371-028-000	$87.64	134	012-372-041-000	$87.64
90	012-371-029-000	$87.64	135	012-372-042-000	$87.64
91	012-371-030-000	$87.64	136	012-372-043-000	$87.64
92	012-371-031-000	$87.64	137	012-372-044-000	$87.64
93	012-371-032-000	$87.64	138	012-372-045-000	$87.64
94	012-371-033-000	$87.64	139	012-372-046-000	$87.64
95	012-371-034-000	$87.64	140	012-372-047-000	$87.64
96	012-371-035-000	$87.64	141	012-372-048-000	$87.64
97	012-371-036-000	$87.64	142	012-372-049-000	$87.64
98	012-371-037-000	$87.64	143	012-372-050-000	$87.64
99	012-371-038-000	$87.64	144	012-372-051-000	$87.64
100	012-371-039-000	$87.64	145	012-372-052-000	$87.64
101	012-371-040-000	$87.64	146	012-372-053-000	$87.64
102	012-371-041-000	$87.64	147	012-372-054-000	$87.64
103	012-371-042-000	$87.64	148	012-372-055-000	$87.64
104	012-371-043-000	$87.64	149	012-372-056-000	$87.64
105	012-371-044-000	$87.64	150	012-372-057-000	$87.64
106	012-371-045-000	$87.64	151	012-372-058-000	$87.64
107	012-371-046-000	$87.64	152	012-372-059-000	$87.64
108	012-371-047-000	$87.64	153	012-372-060-000	$87.64
109	012-371-048-000	$87.64	154	012-372-061-000	$87.64
110	012-371-049-000	$87.64	155	012-372-062-000	$87.64
111	012-371-050-000	$87.64	156	012-372-063-000	$87.64
112	012-371-051-000	$87.64	157	012-372-064-000	$87.64
113	012-371-052-000	$87.64	158	012-373-025-000	$87.64
114	012-371-053-000	$87.64	159	012-373-026-000	$123.50
115	012-371-054-000	$87.64	160	012-373-027-000	$87.64

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
161	012-373-028-000	$123.50	206	012-373-056-000	$87.64
162	012-373-029-000	$87.64	207	012-373-057-000	$123.50
163	012-373-030-000	$92.92	208	012-373-058-000	$123.50
164	012-373-031-000	$123.50	209	012-374-018-000	$123.50
165	012-373-032-000	$87.64	210	012-374-019-000	$123.50
166	012-373-033-000	$123.50	211	012-374-020-000	$123.50
167	012-373-034-000	$123.50	212	012-374-021-000	$92.78
168	012-373-035-000	$123.50	213	012-374-022-000	$87.64
169	012-373-036-000	$123.50	214	012-374-023-000	$123.50
170	012-373-037-000	$123.50	215	012-374-024-000	$87.64
171	012-373-038-000	$123.50	216	012-374-025-000	$123.50
172	012-373-039-000	$87.64	217	012-374-026-000	$108.68
173	012-373-040-000	$87.64	218	012-374-027-000	$87.64
174	012-373-041-000	$123.50	219	012-374-028-000	$99.38
175	012-373-042-000	$87.64	220	012-374-029-000	$87.64
176	012-373-043-000	$87.64	221	012-374-030-000	$123.50
177	012-373-044-000	$123.50	222	012-374-031-000	$123.50
178	012-373-045-000	$87.64	223	012-374-032-000	$123.50
179	012-373-046-000	$123.50	224	012-374-033-000	$120.94
180	012-373-047-000	$123.50	225	012-374-034-000	$123.50
181	012-374-001-000	$123.50	226	012-374-035-000	$105.44
182	012-374-002-000	$87.64	227	012-374-036-000	$123.50
183	012-374-003-000	$123.50	228	012-374-037-000	$87.64
184	012-374-004-000	$123.50	229	012-374-038-000	$119.40
185	012-374-005-000	$123.50	230	012-374-039-000	$123.50
186	012-374-006-000	$123.50	231	012-374-040-000	$92.58
187	012-374-007-000	$87.64	232	012-373-059-000	$87.64
188	012-374-008-000	$123.50	233	012-373-060-000	$123.50
189	012-374-009-000	$123.50	234	012-373-061-000	$123.50
190	012-373-048-000	$87.64	235	012-373-062-000	$123.50
191	012-373-049-000	$87.64	236	012-373-063-000	$123.50
192	012-373-050-000	$87.64	237	012-373-064-000	$123.50
193	012-373-051-000	$87.64	238	012-373-065-000	$123.50
194	012-373-052-000	$87.64	239	012-373-066-000	$87.64
195	012-374-010-000	$87.64	240	012-373-067-000	$123.50
196	012-374-011-000	$123.50	241	012-373-068-000	$123.50
197	012-374-012-000	$123.50	242	012-373-069-000	$123.50
198	012-374-013-000	$123.50	243	012-373-070-000	$87.64
199	012-374-014-000	$123.50	244	012-373-071-000	$123.50
200	012-374-015-000	$123.50	245	012-372-065-000	$123.50
201	012-374-016-000	$87.64	246	012-372-066-000	$87.64
202	012-374-017-000	$123.50	247	012-372-067-000	$123.50
203	012-373-053-000	$123.50			
204	012-373-054-000	$123.50		TOTAL	$23,715.00
205	012-373-055-000	$123.50			

CITY OF MADERA

ZONE 32A

2016-2017

1.	BEGINNING FUND BALANCE			$	1,316.99
2.	LANDSCAPE MAINTENANCE COSTS	$	2,350.63		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	777.80		
	b. ENGINEERING ADMINISTRATION	$	401.35		
	c. LEGAL ADMINISTRATION	$	32.46		
	d. FINANCE ADMINISTRATION	$	87.10		
	e. TREE TRIMMING	$	698.00		
	f. GAS & UTILITIES	$	235.94		
	g. EQUIPMENT	$	134.03		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	269.86		
			TOTAL COSTS:	$	4,987.19
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				721.28
5.	TOTAL ASSESSMENT			$	4,391.02
6.	AVERAGE ASSESSMENT PER PARCEL				95.47

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 32A - LA JOLLA ESTATES NORTH PHASE I

TOTAL ASSESSMENT:
$4,391.02

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-270-001-000	$95.46	36	005-270-036-000	$95.46
2	005-270-002-000	$95.46	37	005-270-037-000	$95.46
3	005-270-047-000	$95.46	38	005-270-038-000	$95.46
4	005-270-048-000	$95.46	39	005-270-039-000	$95.46
5	005-270-049-000	$95.46	40	005-270-040-000	$95.46
6	005-270-050-000	$95.46	41	005-270-041-000	$95.46
7	005-270-007-000	$95.46	42	005-270-042-000	$95.46
8	005-270-008-000	$95.46	43	005-270-043-000	$95.46
9	005-270-009-000	$95.46	44	005-270-044-000	$95.46
10	005-270-010-000	$95.46	45	005-270-053-000	$95.46
11	005-270-011-000	$95.46	46	005-270-054-000	$95.46
12	005-270-012-000	$95.46			
13	005-270-013-000	$95.46		TOTAL	$4,391.02
14	005-270-014-000	$95.46			
15	005-270-015-000	$95.46			
16	005-270-016-000	$95.46			
17	005-270-017-000	$95.46			
18	005-270-018-000	$95.46			
19	005-270-019-000	$95.46			
20	005-270-020-000	$95.46			
21	005-270-021-000	$95.46			
22	005-270-022-000	$95.46			
23	005-270-023-000	$95.46			
24	005-270-024-000	$95.46			
25	005-270-025-000	$95.46			
26	005-270-026-000	$95.46			
27	005-270-027-000	$95.46			
28	005-270-028-000	$95.46			
29	005-270-029-000	$95.46			
30	005-270-030-000	$95.46			
31	005-270-051-000	$95.46			
32	005-270-032-000	$95.46			
33	005-270-033-000	$95.46			
34	005-270-034-000	$95.46			
35	005-270-035-000	$95.46			

CITY OF MADERA

ZONE 32B

2016-2017

1.	BEGINNING FUND BALANCE			$	2,846.53
2.	LANDSCAPE MAINTENANCE COSTS	$	1,741.73		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	777.80		
	b. ENGINEERING ADMINISTRATION	$	408.78		
	c. LEGAL ADMINISTRATION	$	33.06		
	d. FINANCE ADMINISTRATION	$	88.72		
	e. TREE TRIMMING	$	743.00		
	f. GAS & UTILITIES	$	156.65		
	g. EQUIPMENT	$	99.31		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	199.96		
			TOTAL COSTS:	$	4,249.02
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				2,700.32
5.	TOTAL ASSESSMENT			$	4,103.28
6.	AVERAGE ASSESSMENT PER PARCEL				87.29

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 32B - LA JOLLA ESTATES NORTH PHASE II

TOTAL ASSESSMENT:
$4,103.28

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-280-001-000	$87.30	36	005-280-036-000	$87.30
2	005-280-002-000	$87.30	37	005-280-037-000	$87.30
3	005-280-003-000	$87.30	38	005-280-038-000	$87.30
4	005-280-004-000	$87.30	39	005-280-039-000	$87.30
5	005-280-005-000	$87.30	40	005-280-040-000	$87.30
6	005-280-006-000	$87.30	41	005-280-041-000	$87.30
7	005-280-007-000	$87.30	42	005-280-042-000	$87.30
8	005-280-008-000	$87.30	43	005-280-043-000	$87.30
9	005-280-009-000	$87.30	44	005-280-044-000	$87.30
10	005-280-010-000	$87.30	45	005-280-045-000	$87.30
11	005-280-011-000	$87.30	46	005-280-046-000	$87.30
12	005-280-012-000	$87.30	47	005-280-047-000	$87.30
13	005-280-013-000	$87.30			
14	005-280-014-000	$87.30			
15	005-280-015-000	$87.30		TOTAL	$4,103.28
16	005-280-016-000	$87.30			
17	005-280-017-000	$87.30			
18	005-280-018-000	$87.30			
19	005-280-019-000	$87.30			
20	005-280-020-000	$87.30			
21	005-280-021-000	$87.30			
22	005-280-022-000	$87.30			
23	005-280-023-000	$87.30			
24	005-280-024-000	$87.30			
25	005-280-025-000	$87.30			
26	005-280-026-000	$87.30			
27	005-280-027-000	$87.30			
28	005-280-028-000	$87.30			
29	005-280-029-000	$87.30			
30	005-280-030-000	$87.30			
31	005-280-031-000	$87.30			
32	005-280-032-000	$87.30			
33	005-280-033-000	$87.30			
34	005-280-034-000	$87.30			
35	005-280-035-000	$87.30			

CITY OF MADERA

ZONE 33

2016-2017

1.	BEGINNING FUND BALANCE			$	1,344.14
2.	LANDSCAPE MAINTENANCE COSTS	$	2,605.52		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	666.69		
	b. ENGINEERING ADMINISTRATION	$	512.81		
	c. LEGAL ADMINISTRATION	$	41.48		
	d. FINANCE ADMINISTRATION	$	111.29		
	e. TREE TRIMMING	$	630.00		
	f. GAS & UTILITIES	$	247.05		
	g. EQUIPMENT	$	148.57		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	299.12		
			TOTAL COSTS:	$	5,262.53
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,797.36
5.	TOTAL ASSESSMENT			$	5,715.75
6.	AVERAGE ASSESSMENT PER PARCEL				93.70

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 33 - SOUTH STAR

TOTAL ASSESSMENT:
$5,715.75

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-360-004-000	$93.70	36	012-360-039-000	$93.70
2	012-360-005-000	$93.70	37	012-360-040-000	$93.70
3	012-360-006-000	$93.70	38	012-360-041-000	$93.70
4	012-360-007-000	$93.70	39	012-360-042-000	$93.70
5	012-360-008-000	$93.70	40	012-360-043-000	$93.70
6	012-360-009-000	$93.70	41	012-360-044-000	$93.70
7	012-360-010-000	$93.70	42	012-360-045-000	$93.70
8	012-360-011-000	$93.70	43	012-360-046-000	$93.70
9	012-360-012-000	$93.70	44	012-360-047-000	$93.70
10	012-360-013-000	$93.70	45	012-360-048-000	$93.70
11	012-360-014-000	$93.70	46	012-360-049-000	$93.70
12	012-360-015-000	$93.70	47	012-360-050-000	$93.70
13	012-360-016-000	$93.70	48	012-360-051-000	$93.70
14	012-360-017-000	$93.70	49	012-360-052-000	$93.70
15	012-360-018-000	$93.70	50	012-360-053-000	$93.70
16	012-360-019-000	$93.70	51	012-360-054-000	$93.70
17	012-360-020-000	$93.70	52	012-360-055-000	$93.70
18	012-360-021-000	$93.70	53	012-360-056-000	$93.70
19	012-360-022-000	$93.70	54	012-360-057-000	$93.70
20	012-360-023-000	$93.70	55	012-360-058-000	$93.70
21	012-360-024-000	$93.70	56	012-360-059-000	$93.70
22	012-360-025-000	$93.70	57	012-360-060-000	$93.70
23	012-360-026-000	$93.70	58	012-360-061-000	$93.70
24	012-360-027-000	$93.70	59	012-360-062-000	$93.70
25	012-360-028-000	$93.70	60	012-360-063-000	$93.70
26	012-360-029-000	$93.70	61	012-360-064-000	$93.70
27	012-360-030-000	$93.70			
28	012-360-031-000	$93.70		TOTAL	$5,715.75
29	012-360-032-000	$93.70			
30	012-360-033-000	$93.70			
31	012-360-034-000	$93.70			
32	012-360-035-000	$93.70			
33	012-360-036-000	$93.70			
34	012-360-037-000	$93.70			
35	012-360-038-000	$93.70			

CITY OF MADERA

ZONE 34

2016-2017

1.	BEGINNING FUND BALANCE			$	3,787.88
2.	LANDSCAPE MAINTENANCE COSTS	$	3,115.29		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	888.92		
	b. ENGINEERING ADMINISTRATION	$	810.02		
	c. LEGAL ADMINISTRATION	$	65.52		
	d. FINANCE ADMINISTRATION	$	175.79		
	e. TREE TRIMMING	$	743.00		
	f. GAS & UTILITIES	$	296.33		
	g. EQUIPMENT	$	177.63		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	357.65		
			TOTAL COSTS:	$	6,630.16
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				4,087.72
5.	TOTAL ASSESSMENT			$	6,931.01
6.	AVERAGE ASSESSMENT PER PARCEL				68.61

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 34 - KENNEDY ESTATES PHASE I & II

TOTAL ASSESSMENT:
$6,931.01

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-300-001-000	$68.62	36	005-300-036-000	$68.62
2	005-300-002-000	$68.62	37	005-300-037-000	$68.62
3	005-300-003-000	$68.62	38	005-300-038-000	$68.62
4	005-300-004-000	$68.62	39	005-300-039-000	$68.62
5	005-300-005-000	$68.62	40	005-300-040-000	$68.62
6	005-300-006-000	$68.62	41	005-300-041-000	$68.62
7	005-300-007-000	$68.62	42	005-300-042-000	$68.62
8	005-300-008-000	$68.62	43	005-300-043-000	$68.62
9	005-300-009-000	$68.62	44	005-300-044-000	$68.62
10	005-300-010-000	$68.62	45	005-300-045-000	$68.62
11	005-300-011-000	$68.62	46	005-300-046-000	$68.62
12	005-300-012-000	$68.62	47	005-300-047-000	$68.62
13	005-300-013-000	$68.62	48	005-300-048-000	$68.62
14	005-300-014-000	$68.62	49	005-300-049-000	$68.62
15	005-300-015-000	$68.62	50	005-300-050-000	$68.62
16	005-300-016-000	$68.62	51	005-300-051-000	$68.62
17	005-300-017-000	$68.62	52	005-300-052-000	$68.62
18	005-300-018-000	$68.62	53	005-301-001-000	$68.62
19	005-300-019-000	$68.62	54	005-301-002-000	$68.62
20	005-300-020-000	$68.62	55	005-301-003-000	$68.62
21	005-300-021-000	$68.62	56	005-301-004-000	$68.62
22	005-300-022-000	$68.62	57	005-301-005-000	$68.62
23	005-300-023-000	$68.62	58	005-301-006-000	$68.62
24	005-300-024-000	$68.62	59	005-301-007-000	$68.62
25	005-300-025-000	$68.62	60	005-301-008-000	$68.62
26	005-300-026-000	$68.62	61	005-301-009-000	$68.62
27	005-300-027-000	$68.62	62	005-301-010-000	$68.62
28	005-300-028-000	$68.62	63	005-301-011-000	$68.62
29	005-300-029-000	$68.62	64	005-301-012-000	$68.62
30	005-300-030-000	$68.62	65	005-301-013-000	$68.62
31	005-300-031-000	$68.62	66	005-301-014-000	$68.62
32	005-300-032-000	$68.62	67	005-301-015-000	$68.62
33	005-300-033-000	$68.62	68	005-301-016-000	$68.62
34	005-300-034-000	$68.62	69	005-301-017-000	$68.62
35	005-300-035-000	$68.62	70	005-301-018-000	$68.62

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	005-301-019-000	$68.62			
72	005-301-020-000	$68.62			
73	005-301-021-000	$68.62			
74	005-301-022-000	$68.62			
75	005-301-023-000	$68.62			
76	005-301-024-000	$68.62			
77	005-301-025-000	$68.62			
78	005-301-026-000	$68.62			
79	005-301-027-000	$68.62			
80	005-301-028-000	$68.62			
81	005-301-029-000	$68.62			
82	005-301-030-000	$68.62			
83	005-301-031-000	$68.62			
84	005-301-032-000	$68.62			
85	005-301-033-000	$68.62			
86	005-301-034-000	$68.62			
87	005-301-035-000	$68.62			
88	005-301-036-000	$68.62			
89	005-301-037-000	$68.62			
90	005-301-038-000	$68.62			
91	005-301-039-000	$68.62			
92	005-301-040-000	$68.62			
93	005-301-041-000	$68.62			
94	005-301-042-000	$68.62			
95	005-301-043-000	$68.62			
96	005-301-044-000	$68.62			
97	005-301-045-000	$68.62			
98	005-301-046-000	$68.62			
99	005-301-047-000	$68.62			
100	005-301-048-000	$68.62			
101	005-301-049-000	$68.62			
	TOTAL	$6,931.01			

CITY OF MADERA

ZONE 34B

2016-2017

1.	BEGINNING FUND BALANCE			$	31,901.70
2.	LANDSCAPE MAINTENANCE COSTS	$	1,593.05		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	888.92		
	b. ENGINEERING ADMINISTRATION	$	438.50		
	c. LEGAL ADMINISTRATION	$	35.47		
	d. FINANCE ADMINISTRATION	$	95.17		
	e. TREE TRIMMING	$	383.00		
	f. GAS & UTILITIES	$	304.28		
	g. EQUIPMENT	$	90.83		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	182.89		
			TOTAL COSTS:	$	4,012.10
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				27,889.60
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 34B
Kennedy Estates Phase 3
TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-303-001-000	$0.00	36	005-303-037-000	$0.00
2	005-303-002-000	$0.00	37	005-303-038-000	$0.00
3	005-303-003-000	$0.00	38	005-303-039-000	$0.00
4	005-303-004-000	$0.00	39	005-303-040-000	$0.00
5	005-303-005-000	$0.00	40	005-303-041-000	$0.00
6	005-303-006-000	$0.00	41	005-303-042-000	$0.00
7	005-303-007-000	$0.00	42	005-303-043-000	$0.00
8	005-303-008-000	$0.00	43	005-303-044-000	$0.00
9	005-303-009-000	$0.00	44	005-303-045-000	$0.00
10	005-303-010-000	$0.00	45	005-303-046-000	$0.00
11	005-303-011-000	$0.00	46	005-303-047-000	$0.00
12	005-303-012-000	$0.00	47	005-303-048-000	$0.00
13	005-303-013-000	$0.00	48	005-303-049-000	$0.00
14	005-303-014-000	$0.00	49	005-303-050-000	$0.00
15	005-303-015-000	$0.00	50	005-303-051-000	$0.00
16	005-303-016-000	$0.00	51	005-303-052-000	$0.00
17	005-303-017-000	$0.00			
18	005-303-019-000	$0.00		TOTAL	$0.00
19	005-303-020-000	$0.00			
20	005-303-021-000	$0.00			
21	005-303-022-000	$0.00			
22	005-303-023-000	$0.00			
23	005-303-024-000	$0.00			
24	005-303-025-000	$0.00			
25	005-303-026-000	$0.00			
26	005-303-027-000	$0.00			
27	005-303-028-000	$0.00			
28	005-303-029-000	$0.00			
29	005-303-030-000	$0.00			
30	005-303-031-000	$0.00			
31	005-303-032-000	$0.00			
32	005-303-033-000	$0.00			
33	005-303-034-000	$0.00			
34	005-303-035-000	$0.00			
35	005-303-036-000	$0.00			

CITY OF MADERA

ZONE 34C

2016-2017

1.	BEGINNING FUND BALANCE			$	2,712.58
2.	LANDSCAPE MAINTENANCE COSTS	$	1,593.05		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	888.92		
	b. ENGINEERING ADMINISTRATION	$	438.50		
	c. LEGAL ADMINISTRATION	$	35.47		
	d. FINANCE ADMINISTRATION	$	95.17		
	e. TREE TRIMMING	$	383.00		
	f. GAS & UTILITIES	$	304.28		
	g. EQUIPMENT	$	90.83		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	182.89		
			TOTAL COSTS:	$	4,012.10
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,730.48
5.	TOTAL ASSESSMENT			$	3,029.49
6.	AVERAGE ASSESSMENT PER PARCEL				59.41

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 34C
Kennedy Estates Phase 4
TOTAL ASSESSMENT:
$3,029.49

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	005-304-001-000	$59.40	36	005-304-036-000	$59.40
2	005-304-002-000	$59.40	37	005-304-037-000	$59.40
3	005-304-003-000	$59.40	38	005-304-038-000	$59.40
4	005-304-004-000	$59.40	39	005-304-039-000	$59.40
5	005-304-005-000	$59.40	40	005-304-040-000	$59.40
6	005-304-006-000	$59.40	41	005-304-041-000	$59.40
7	005-304-007-000	$59.40	42	005-304-042-000	$59.40
8	005-304-008-000	$59.40	43	005-304-043-000	$59.40
9	005-304-009-000	$59.40	44	005-304-044-000	$59.40
10	005-304-010-000	$59.40	45	005-304-045-000	$59.40
11	005-304-011-000	$59.40	46	005-304-046-000	$59.40
12	005-304-012-000	$59.40	47	005-304-047-000	$59.40
13	005-304-013-000	$59.40	48	005-304-048-000	$59.40
14	005-304-014-000	$59.40	49	005-304-049-000	$59.40
15	005-304-015-000	$59.40	50	005-304-050-000	$59.40
16	005-304-016-000	$59.40	51	005-304-051-000	$59.40
17	005-304-017-000	$59.40			
18	005-304-018-000	$59.40		TOTAL	$3,029.49
19	005-304-019-000	$59.40			
20	005-304-020-000	$59.40			
21	005-304-021-000	$59.40			
22	005-304-022-000	$59.40			
23	005-304-023-000	$59.40			
24	005-304-024-000	$59.40			
25	005-304-025-000	$59.40			
26	005-304-026-000	$59.40			
27	005-304-027-000	$59.40			
28	005-304-028-000	$59.40			
29	005-304-029-000	$59.40			
30	005-304-030-000	$59.40			
31	005-304-031-000	$59.40			
32	005-304-032-000	$59.40			
33	005-304-033-000	$59.40			
34	005-304-034-000	$59.40			
35	005-304-035-000	$59.40			

CITY OF MADERA

ZONE 35

2016-2017

1.	BEGINNING FUND BALANCE			$	5,637.40
2.	LANDSCAPE MAINTENANCE COSTS	$	962.91		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	444.46		
	b. ENGINEERING ADMINISTRATION	$	728.29		
	c. LEGAL ADMINISTRATION	$	58.91		
	d. FINANCE ADMINISTRATION	$	158.06		
	e. TREE TRIMMING	$	203.00		
	f. GAS & UTILITIES	$	91.67		
	g. EQUIPMENT	$	54.90		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	110.55		
			TOTAL COSTS:	$	2,812.74
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				2,824.67
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 35 - SANTA BARBARA ESTATES

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-540-001-000	$0.00	36	009-540-036-000	$0.00
2	009-540-002-000	$0.00	37	009-540-037-000	$0.00
3	009-540-003-000	$0.00	38	009-540-038-000	$0.00
4	009-540-004-000	$0.00	39	009-540-039-000	$0.00
5	009-540-005-000	$0.00	40	009-540-040-000	$0.00
6	009-540-006-000	$0.00	41	009-540-041-000	$0.00
7	009-540-007-000	$0.00	42	009-540-042-000	$0.00
8	009-540-008-000	$0.00	43	009-540-043-000	$0.00
9	009-540-009-000	$0.00	44	009-540-044-000	$0.00
10	009-540-010-000	$0.00	45	009-540-045-000	$0.00
11	009-540-011-000	$0.00	46	009-540-046-000	$0.00
12	009-540-012-000	$0.00	47	009-540-047-000	$0.00
13	009-540-013-000	$0.00	48	009-540-048-000	$0.00
14	009-540-014-000	$0.00	49	009-540-049-000	$0.00
15	009-540-015-000	$0.00	50	009-540-050-000	$0.00
16	009-540-016-000	$0.00	51	009-540-051-000	$0.00
17	009-540-017-000	$0.00	52	009-540-052-000	$0.00
18	009-540-018-000	$0.00	53	009-540-053-000	$0.00
19	009-540-019-000	$0.00	54	009-540-054-000	$0.00
20	009-540-020-000	$0.00	55	009-540-055-000	$0.00
21	009-540-021-000	$0.00	56	009-540-056-000	$0.00
22	009-540-022-000	$0.00	57	009-540-057-000	$0.00
23	009-540-023-000	$0.00	58	009-540-058-000	$0.00
24	009-540-024-000	$0.00	59	009-540-059-000	$0.00
25	009-540-025-000	$0.00	60	009-540-060-000	$0.00
26	009-540-026-000	$0.00	61	009-540-061-000	$0.00
27	009-540-027-000	$0.00	62	009-540-062-000	$0.00
28	009-540-028-000	$0.00	63	009-540-063-000	$0.00
29	009-540-029-000	$0.00	64	009-540-064-000	$0.00
30	009-540-030-000	$0.00	65	009-540-065-000	$0.00
31	009-540-031-000	$0.00	66	009-540-066-000	$0.00
32	009-540-032-000	$0.00	67	009-540-067-000	$0.00
33	009-540-033-000	$0.00	68	009-540-068-000	$0.00
34	009-540-034-000	$0.00	69	009-540-069-000	$0.00
35	009-540-035-000	$0.00	70	009-540-070-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	009-540-071-000	$0.00			
72	009-540-072-000	$0.00			
73	009-540-073-000	$0.00			
74	009-540-074-000	$0.00			
75	009-540-075-000	$0.00			
76	009-540-076-000	$0.00			
77	009-540-077-000	$0.00			
78	009-540-078-000	$0.00			
79	009-540-079-000	$0.00			
80	009-540-080-000	$0.00			
81	009-540-081-000	$0.00			
82	009-540-082-000	$0.00			
83	009-540-083-000	$0.00			
84	009-540-084-000	$0.00			
85	009-540-085-000	$0.00			
86	009-540-086-000	$0.00			
87	009-540-087-000	$0.00			
88	009-540-088-000	$0.00			
89	009-540-089-000	$0.00			
90	009-540-090-000	$0.00			
	TOTAL	$0.00			

CITY OF MADERA

ZONE 36A

2016-2017

1.	BEGINNING FUND BALANCE				$	11,733.98
2.	LANDSCAPE MAINTENANCE COSTS		$	3,968.65		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	1,660.87		
	b.	ENGINEERING ADMINISTRATION	$	1,114.67		
	c.	LEGAL ADMINISTRATION	$	90.16		
	d.	FINANCE ADMINISTRATION	$	241.91		
	e.	TREE TRIMMING	$	1,850.00		
	f.	GAS & UTILITIES	$	202.16		
	g.	EQUIPMENT	$	226.29		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	455.62		
				TOTAL COSTS:	$	9,810.33
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					4,173.65
5.	TOTAL ASSESSMENT				$	2,248.58
6.	AVERAGE ASSESSMENT PER PARCEL					15.85

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 36A
Mariposa Estates
TOTAL ASSESSMENT:
$2,248.58

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-291-001-000	$15.84	36	011-292-012-000	$15.84
2	011-291-002-000	$15.84	37	011-292-013-000	$15.84
3	011-291-003-000	$15.84	38	011-292-014-000	$15.84
4	011-291-004-000	$15.84	39	011-292-015-000	$15.84
5	011-291-005-000	$15.84	40	011-292-016-000	$15.84
6	011-291-006-000	$15.84	41	011-292-017-000	$15.84
7	011-291-007-000	$15.84	42	011-292-018-000	$15.84
8	011-291-008-000	$15.84	43	011-292-019-000	$15.84
9	011-291-009-000	$15.84	44	011-292-020-000	$15.84
10	011-291-010-000	$15.84	45	011-292-021-000	$15.84
11	011-291-011-000	$15.84	46	011-292-022-000	$15.84
12	011-291-012-000	$15.84	47	011-292-023-000	$15.84
13	011-291-013-000	$15.84	48	011-292-024-000	$15.84
14	011-291-014-000	$15.84	49	011-292-025-000	$15.84
15	011-291-015-000	$15.84	50	011-292-026-000	$15.84
16	011-291-016-000	$15.84	51	011-292-027-000	$15.84
17	011-291-017-000	$15.84	52	011-292-028-000	$15.84
18	011-291-018-000	$15.84	53	011-292-029-000	$15.84
19	011-291-019-000	$15.84	54	011-292-030-000	$15.84
20	011-291-020-000	$15.84	55	011-292-031-000	$15.84
21	011-291-021-000	$15.84	56	011-292-032-000	$15.84
22	011-291-022-000	$15.84	57	011-292-033-000	$15.84
23	011-291-023-000	$15.84	58	011-292-034-000	$15.84
24	011-291-024-000	$15.84	59	011-292-035-000	$15.84
25	011-292-001-000	$15.84	60	011-292-036-000	$15.84
26	011-292-002-000	$15.84	61	011-292-037-000	$15.84
27	011-292-003-000	$15.84	62	011-292-038-000	$15.84
28	011-292-004-000	$15.84	63	011-292-039-000	$15.84
29	011-292-005-000	$15.84	64	011-292-040-000	$15.84
30	011-292-006-000	$15.84	65	011-292-041-000	$15.84
31	011-292-007-000	$15.84	66	011-292-042-000	$15.84
32	011-292-008-000	$15.84	67	011-292-095-000	$15.84
33	011-292-009-000	$15.84	68	011-292-044-000	$15.84
34	011-292-010-000	$15.84	69	011-292-045-000	$15.84
35	011-292-011-000	$15.84	70	011-292-046-000	$15.84

Assessment Number	Assessor's Parcel Number	Assessment
71	011-292-047-000	$15.84
72	011-291-025-000	$15.84
73	011-291-026-000	$15.84
74	011-291-027-000	$15.84
75	011-291-028-000	$15.84
76	011-291-029-000	$15.84
77	011-291-030-000	$15.84
78	011-291-031-000	$15.84
79	011-291-032-000	$15.84
80	011-291-033-000	$15.84
81	011-291-034-000	$15.84
82	011-291-035-000	$15.84
83	011-291-036-000	$15.84
84	011-292-048-000	$15.84
85	011-292-049-000	$15.84
86	011-292-050-000	$15.84
87	011-292-051-000	$15.84
88	011-292-052-000	$15.84
89	011-292-053-000	$15.84
90	011-292-054-000	$15.84
91	011-292-055-000	$15.84
92	011-292-056-000	$15.84
93	011-292-096-000	$15.84
94	011-292-058-000	$15.84
95	011-292-059-000	$15.84
96	011-292-060-000	$15.84
97	011-292-061-000	$15.84
98	011-292-062-000	$15.84
99	011-292-063-000	$15.84
100	011-292-064-000	$15.84
101	011-292-065-000	$15.84
102	011-292-066-000	$15.84
103	011-292-067-000	$15.84
104	011-292-068-000	$15.84
105	011-292-069-000	$15.84
106	011-292-070-000	$15.84
107	011-292-071-000	$15.84
108	011-292-072-000	$15.84
109	011-292-073-000	$15.84
110	011-292-074-000	$15.84
111	011-292-075-000	$15.84
112	011-292-076-000	$15.84
113	011-292-077-000	$15.84
114	011-292-078-000	$15.84
115	011-291-037-000	$15.84
116	011-291-038-000	$15.84
117	011-291-039-000	$15.84
118	011-291-040-000	$15.84
119	011-291-041-000	$15.84
120	011-291-042-000	$15.84
121	011-292-079-000	$15.84
122	011-292-080-000	$15.84
123	011-292-081-000	$15.84
124	011-292-082-000	$15.84
125	011-292-083-000	$15.84
126	011-292-084-000	$15.84
127	011-292-085-000	$15.84
128	011-292-086-000	$15.84
129	011-292-087-000	$15.84
130	011-292-088-000	$15.84
131	011-292-089-000	$15.84
132	011-292-090-000	$15.84
133	011-292-091-000	$15.84
134	011-292-092-000	$15.84
135	011-291-043-000	$15.84
136	011-291-044-000	$15.84
137	011-291-045-000	$15.84
138	011-291-046-000	$15.84
139	011-291-047-000	$15.84
140	011-291-048-000	$15.84
141	011-292-094-000	$15.84
142	011-292-097-000	$15.84
	TOTAL	$2,248.58

CITY OF MADERA

ZONE 36B

2016-2017

1.	BEGINNING FUND BALANCE				$	319.70
2.	LANDSCAPE MAINTENANCE COSTS		$	279.48		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	116.96		
	b.	ENGINEERING ADMINISTRATION	$	133.86		
	c.	LEGAL ADMINISTRATION	$	10.83		
	d.	FINANCE ADMINISTRATION	$	29.05		
	e.	TREE TRIMMING	$	140.00		
	f.	GAS & UTILITIES	$	202.16		
	g.	EQUIPMENT	$	15.94		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	32.09		
				TOTAL COSTS:	$	960.36
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					332.06
5.	TOTAL ASSESSMENT				$	972.63
6.	AVERAGE ASSESSMENT PER PARCEL					97.27

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 36B
Mariposa Estates II
TOTAL ASSESSMENT:
$972.63

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-260-008-000	$97.26			
2	011-260-009-000	$97.26			
3	011-260-010-000	$97.26			
4	011-260-011-000	$97.26			
5	011-260-012-000	$97.26			
6	011-260-013-000	$97.26			
7	011-260-014-000	$97.26			
8	011-260-015-000	$97.26			
9	011-260-016-000	$97.26			
10	011-260-017-000	$97.26			
	Total	$972.63			

CITY OF MADERA

ZONE 36C

2016-2017

1.	BEGINNING FUND BALANCE			$	1,719.45
2.	LANDSCAPE MAINTENANCE COSTS	$	1,146.99		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	666.69		
	b. ENGINEERING ADMINISTRATION	$	401.35		
	c. LEGAL ADMINISTRATION	$	32.46		
	d. FINANCE ADMINISTRATION	$	87.10		
	e. TREE TRIMMING	$	293.00		
	f. GAS & UTILITIES	$	108.50		
	g. EQUIPMENT	$	65.40		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	131.68		
			TOTAL COSTS:	$	2,933.18
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,246.27
5.	TOTAL ASSESSMENT			$	2,460.00
6.	AVERAGE ASSESSMENT PER PARCEL				53.48

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 36C - OLIVE ESTATES

TOTAL ASSESSMENT:
$2,460.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-272-002-000	$53.48	36	011-272-037-000	$53.48
2	011-272-003-000	$53.48	37	011-272-038-000	$53.48
3	011-272-004-000	$53.48	38	011-272-039-000	$53.48
4	011-272-005-000	$53.48	39	011-272-040-000	$53.48
5	011-272-006-000	$53.48	40	011-272-041-000	$53.48
6	011-272-007-000	$53.48	41	011-272-042-000	$53.48
7	011-272-008-000	$53.48	42	011-272-043-000	$53.48
8	011-272-009-000	$53.48	43	011-272-044-000	$53.48
9	011-272-010-000	$53.48	44	011-272-045-000	$53.48
10	011-272-011-000	$53.48	45	011-272-046-000	$53.48
11	011-272-012-000	$53.48	46	011-272-047-000	$53.48
12	011-272-013-000	$53.48			
13	011-272-014-000	$53.48		TOTAL	$2,460.00
14	011-272-015-000	$53.48			
15	011-272-016-000	$53.48			
16	011-272-017-000	$53.48			
17	011-272-018-000	$53.48			
18	011-272-019-000	$53.48			
19	011-272-020-000	$53.48			
20	011-272-021-000	$53.48			
21	011-272-022-000	$53.48			
22	011-272-023-000	$53.48			
23	011-272-024-000	$53.48			
24	011-272-025-000	$53.48			
25	011-272-026-000	$53.48			
26	011-272-027-000	$53.48			
27	011-272-028-000	$53.48			
28	011-272-029-000	$53.48			
29	011-272-030-000	$53.48			
30	011-272-031-000	$53.48			
31	011-272-032-000	$53.48			
32	011-272-033-000	$53.48			
33	011-272-034-000	$53.48			
34	011-272-035-000	$53.48			
35	011-272-036-000	$53.48			

CITY OF MADERA

ZONE 37

2016-2017

1.	BEGINNING FUND BALANCE				$	2,912.66
2.	LANDSCAPE MAINTENANCE COSTS		$	934.59		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	444.46		
	b.	ENGINEERING ADMINISTRATION	$	802.59		
	c.	LEGAL ADMINISTRATION	$	64.92		
	d.	FINANCE ADMINISTRATION	$	174.18		
	e.	TREE TRIMMING	$	383.00		
	f.	GAS & UTILITIES	$	87.91		
	g.	EQUIPMENT	$	53.29		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	107.29		
				TOTAL COSTS:	$	3,052.24
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					1,300.42
5.	TOTAL ASSESSMENT				$	1,440.00
6.	AVERAGE ASSESSMENT PER PARCEL					14.40

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 37 - ALMOND TREE ESTATES

TOTAL ASSESSMENT:
$1,440.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-560-001-000	$14.40	36	009-561-019-000	$14.40
2	009-560-002-000	$14.40	37	009-561-020-000	$14.40
3	009-560-003-000	$14.40	38	009-561-021-000	$14.40
4	009-560-004-000	$14.40	39	009-561-022-000	$14.40
5	009-560-005-000	$14.40	40	009-561-023-000	$14.40
6	009-560-006-000	$14.40	41	009-561-024-000	$14.40
7	009-560-007-000	$14.40	42	009-561-025-000	$14.40
8	009-560-008-000	$14.40	43	009-561-026-000	$14.40
9	009-560-009-000	$14.40	44	009-561-027-000	$14.40
10	009-560-010-000	$14.40	45	009-561-028-000	$14.40
11	009-560-011-000	$14.40	46	009-561-029-000	$14.40
12	009-560-012-000	$14.40	47	009-561-030-000	$14.40
13	009-560-013-000	$14.40	48	009-561-031-000	$14.40
14	009-560-014-000	$14.40	49	009-561-032-000	$14.40
15	009-560-015-000	$14.40	50	009-561-033-000	$14.40
16	009-560-016-000	$14.40	51	009-560-018-000	$14.40
17	009-560-017-000	$14.40	52	009-560-019-000	$14.40
18	009-561-001-000	$14.40	53	009-560-020-000	$14.40
19	009-561-002-000	$14.40	54	009-560-021-000	$14.40
20	009-561-003-000	$14.40	55	009-560-022-000	$14.40
21	009-561-004-000	$14.40	56	009-560-023-000	$14.40
22	009-561-005-000	$14.40	57	009-560-024-000	$14.40
23	009-561-006-000	$14.40	58	009-560-025-000	$14.40
24	009-561-007-000	$14.40	59	009-560-026-000	$14.40
25	009-561-008-000	$14.40	60	009-560-027-000	$14.40
26	009-561-009-000	$14.40	61	009-560-028-000	$14.40
27	009-561-010-000	$14.40	62	009-560-029-000	$14.40
28	009-561-011-000	$14.40	63	009-560-030-000	$14.40
29	009-561-012-000	$14.40	64	009-560-031-000	$14.40
30	009-561-013-000	$14.40	65	009-560-032-000	$14.40
31	009-561-014-000	$14.40	66	009-560-033-000	$14.40
32	009-561-015-000	$14.40	67	009-560-034-000	$14.40
33	009-561-016-000	$14.40	68	009-560-035-000	$14.40
34	009-561-017-000	$14.40	69	009-560-036-000	$14.40
35	009-561-018-000	$14.40	70	009-560-037-000	$14.40

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	009-560-038-000	$14.40			
72	009-560-039-000	$14.40			
73	009-560-040-000	$14.40			
74	009-560-041-000	$14.40			
75	009-560-042-000	$14.40			
76	009-560-043-000	$14.40			
77	009-561-034-000	$14.40			
78	009-561-035-000	$14.40			
79	009-561-036-000	$14.40			
80	009-561-037-000	$14.40			
81	009-561-038-000	$14.40			
82	009-561-039-000	$14.40			
83	009-561-040-000	$14.40			
84	009-561-041-000	$14.40			
85	009-561-042-000	$14.40			
86	009-561-043-000	$14.40			
87	009-561-044-000	$14.40			
88	009-561-045-000	$14.40			
89	009-561-046-000	$14.40			
90	009-561-047-000	$14.40			
91	009-561-048-000	$14.40			
92	009-561-049-000	$14.40			
93	009-560-044-000	$14.40			
94	009-560-045-000	$14.40			
95	009-560-046-000	$14.40			
96	009-560-047-000	$14.40			
97	009-560-048-000	$14.40			
98	009-560-049-000	$14.40			
99	009-560-050-000	$14.40			
100	009-560-051-000	$14.40			
	TOTAL	$1,440.00			

CITY OF MADERA

ZONE 39

2016-2017

1.	BEGINNING FUND BALANCE			$	5,518.18
2.	LANDSCAPE MAINTENANCE COSTS	$	1,246.12		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	777.80		
	b. ENGINEERING ADMINISTRATION	$	668.85		
	c. LEGAL ADMINISTRATION	$	54.10		
	d. FINANCE ADMINISTRATION	$	145.16		
	e. TREE TRIMMING	$	473.00		
	f. GAS & UTILITIES	$	286.09		
	g. EQUIPMENT	$	71.05		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	143.06		
			TOTAL COSTS:	$	3,865.23
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,652.95
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 39 - CARMEL HOMES III

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-470-001-000	$0.00	36	012-470-036-000	$0.00
2	012-470-002-000	$0.00	37	012-470-037-000	$0.00
3	012-470-003-000	$0.00	38	012-470-038-000	$0.00
4	012-470-004-000	$0.00	39	012-470-039-000	$0.00
5	012-470-005-000	$0.00	40	012-470-040-000	$0.00
6	012-470-006-000	$0.00	41	012-470-041-000	$0.00
7	012-470-007-000	$0.00	42	012-470-042-000	$0.00
8	012-470-008-000	$0.00	43	012-470-043-000	$0.00
9	012-470-009-000	$0.00	44	012-470-044-000	$0.00
10	012-470-010-000	$0.00	45	012-470-045-000	$0.00
11	012-470-011-000	$0.00	46	012-470-046-000	$0.00
12	012-470-012-000	$0.00	47	012-470-047-000	$0.00
13	012-470-013-000	$0.00	48	012-470-048-000	$0.00
14	012-470-014-000	$0.00	49	012-470-049-000	$0.00
15	012-470-015-000	$0.00	50	012-470-050-000	$0.00
16	012-470-016-000	$0.00	51	012-470-051-000	$0.00
17	012-470-017-000	$0.00	52	012-470-052-000	$0.00
18	012-470-018-000	$0.00	53	012-470-053-000	$0.00
19	012-470-019-000	$0.00	54	012-470-054-000	$0.00
20	012-470-020-000	$0.00	55	012-470-055-000	$0.00
21	012-470-021-000	$0.00	56	012-470-056-000	$0.00
22	012-470-022-000	$0.00	57	012-470-057-000	$0.00
23	012-470-023-000	$0.00	58	012-470-058-000	$0.00
24	012-470-024-000	$0.00	59	012-470-059-000	$0.00
25	012-470-025-000	$0.00	60	012-470-060-000	$0.00
26	012-470-026-000	$0.00	61	012-470-061-000	$0.00
27	012-470-026-000	$0.00	62	012-470-062-000	$0.00
28	012-470-028-000	$0.00	63	012-470-063-000	$0.00
29	012-470-029-000	$0.00	64	012-470-064-000	$0.00
30	012-470-030-000	$0.00	65	012-470-065-000	$0.00
31	012-470-031-000	$0.00	66	012-470-066-000	$0.00
32	012-470-032-000	$0.00	67	012-470-067-000	$0.00
33	012-470-033-000	$0.00	68	012-470-068-000	$0.00
34	012-470-034-000	$0.00	69	012-470-069-000	$0.00
35	012-470-035-000	$0.00	70	012-470-070-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	012-470-071-000	$0.00			
72	012-470-072-000	$0.00			
73	012-470-073-000	$0.00			
74	012-470-074-000	$0.00			
75	012-470-075-000	$0.00			
76	012-470-076-000	$0.00			
77	012-470-077-000	$0.00			
78	012-470-078-000	$0.00			
79	012-470-079-000	$0.00			
80	012-470-080-000	$0.00			
81	012-470-081-000	$0.00			
82	012-470-082-000	$0.00			
	TOTAL	$0.00			

CITY OF MADERA

ZONE 40

2016-2017

1.	BEGINNING FUND BALANCE			$	4,080.35
2.	LANDSCAPE MAINTENANCE COSTS	$	2,081.58		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	444.46		
	b. ENGINEERING ADMINISTRATION	$	639.12		
	c. LEGAL ADMINISTRATION	$	51.70		
	d. FINANCE ADMINISTRATION	$	138.70		
	e. TREE TRIMMING	$	788.00		
	f. GAS & UTILITIES	$	198.05		
	g. EQUIPMENT	$	118.69		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	238.97		
			TOTAL COSTS:	$	4,699.28
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				2,031.07
5.	TOTAL ASSESSMENT			$	2,649.22
6.	AVERAGE ASSESSMENT PER PARCEL				33.97

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 40 - TIERRA VISTA ESTATES

TOTAL ASSESSMENT:
$2,649.22

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-254-005-000	$33.96	36	012-254-040-000	$33.96
2	012-254-006-000	$33.96	37	012-254-041-000	$33.96
3	012-254-007-000	$33.96	38	012-254-042-000	$33.96
4	012-254-008-000	$33.96	39	012-254-043-000	$33.96
5	012-254-009-000	$33.96	40	012-254-044-000	$33.96
6	012-254-010-000	$33.96	41	012-254-045-000	$33.96
7	012-254-011-000	$33.96	42	012-254-046-000	$33.96
8	012-254-012-000	$33.96	43	012-254-047-000	$33.96
9	012-254-013-000	$33.96	44	012-254-048-000	$33.96
10	012-254-014-000	$33.96	45	012-254-049-000	$33.96
11	012-254-015-000	$33.96	46	012-254-050-000	$33.96
12	012-254-016-000	$33.96	47	012-254-051-000	$33.96
13	012-254-017-000	$33.96	48	012-254-052-000	$33.96
14	012-254-018-000	$33.96	49	012-254-053-000	$33.96
15	012-254-019-000	$33.96	50	012-254-054-000	$33.96
16	012-254-020-000	$33.96	51	012-254-055-000	$33.96
17	012-254-021-000	$33.96	52	012-254-056-000	$33.96
18	012-254-022-000	$33.96	53	012-254-057-000	$33.96
19	012-254-023-000	$33.96	54	012-254-058-000	$33.96
20	012-254-024-000	$33.96	55	012-254-059-000	$33.96
21	012-254-025-000	$33.96	56	012-254-060-000	$33.96
22	012-254-026-000	$33.96	57	012-254-061-000	$33.96
23	012-254-027-000	$33.96	58	012-254-062-000	$33.96
24	012-254-028-000	$33.96	59	012-254-063-000	$33.96
25	012-254-029-000	$33.96	60	012-254-064-000	$33.96
26	012-254-030-000	$33.96	61	012-254-065-000	$33.96
27	012-254-031-000	$33.96	62	012-254-066-000	$33.96
28	012-254-032-000	$33.96	63	012-254-067-000	$33.96
29	012-254-033-000	$33.96	64	012-254-068-000	$33.96
30	012-254-034-000	$33.96	65	012-254-069-000	$33.96
31	012-254-035-000	$33.96	66	012-254-070-000	$33.96
32	012-254-036-000	$33.96	67	012-254-071-000	$33.96
33	012-254-037-000	$33.96	68	012-254-072-000	$33.96
34	012-254-038-000	$33.96	69	012-254-073-000	$33.96
35	012-254-039-000	$33.96	70	012-254-074-000	$33.96

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
71	012-254-075-000	$33.96			
72	012-254-076-000	$33.96			
73	012-254-077-000	$33.96			
74	012-254-078-000	$33.96			
75	012-254-079-000	$33.96			
76	012-254-080-000	$33.96			
77	012-254-081-000	$33.96			
78	012-254-082-000	$33.96			
	Total	$2,649.22			

CITY OF MADERA

ZONE 41

2016-2017

1.	BEGINNING FUND BALANCE			$	19,659.74
2.	LANDSCAPE MAINTENANCE COSTS	$	1,444.36		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	444.46		
	b. ENGINEERING ADMINISTRATION	$	275.04		
	c. LEGAL ADMINISTRATION	$	22.25		
	d. FINANCE ADMINISTRATION	$	59.69		
	e. TREE TRIMMING	$	248.00		
	f. GAS & UTILITIES	$	138.28		
	g. EQUIPMENT	$	82.36		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	165.82		
			TOTAL COSTS:	$	2,880.25
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				16,779.49
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 41 - Pond Place Estates

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	012-440-001-000	$0.00			
2	012-440-002-000	$0.00			
3	012-440-003-000	$0.00			
4	012-440-004-000	$0.00			
5	012-440-005-000	$0.00			
6	012-440-006-000	$0.00			
7	012-440-007-000	$0.00			
8	012-440-008-000	$0.00			
9	012-440-009-000	$0.00			
10	012-440-010-000	$0.00			
11	012-440-011-000	$0.00			
12	012-440-012-000	$0.00			
13	012-440-013-000	$0.00			
14	012-440-014-000	$0.00			
15	012-440-015-000	$0.00			
16	012-440-016-000	$0.00			
17	012-440-017-000	$0.00			
18	012-440-018-000	$0.00			
19	012-440-019-000	$0.00			
20	012-440-020-000	$0.00			
21	012-440-021-000	$0.00			
22	012-440-022-000	$0.00			
23	012-440-023-000	$0.00			
24	012-440-024-000	$0.00			
25	012-440-025-000	$0.00			
26	012-440-026-000	$0.00			
27	012-440-027-000	$0.00			
28	012-440-028-000	$0.00			
29	012-440-029-000	$0.00			
	Total	$0.00			

CITY OF MADERA

ZONE 43A

2016-2017

1.	BEGINNING FUND BALANCE			$	113,234.78
2.	LANDSCAPE MAINTENANCE COSTS	$	32,370.72		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	2,221.78		
	b. ENGINEERING ADMINISTRATION	$	2,333.25		
	c. LEGAL ADMINISTRATION	$	188.73		
	d. FINANCE ADMINISTRATION	$	506.37		
	e. TREE TRIMMING	$	2,385.00		
	f. GAS & UTILITIES	$	3,765.99		
	g. EQUIPMENT	$	1,845.76		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	3,716.30		
			TOTAL COSTS:	$	49,333.89
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				63,900.88
5.	TOTAL ASSESSMENT			$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL				0.00

This zone includes new improvements intended to enhance the neighborhood. Improvements include:14,540 square feet of landscape and hardscape materials, playground equipment. Inclusion of these improvements do not serve to increase the abase assessment.

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 43A - ORCHARD POINTE PHASE I & II

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-340-004-000	$0.00	36	011-341-034-000	$0.00
2	011-340-005-000	$0.00	37	011-341-035-000	$0.00
3	011-341-001-000	$0.00	38	011-341-036-000	$0.00
4	011-341-002-000	$0.00	39	011-341-037-000	$0.00
5	011-341-003-000	$0.00	40	011-341-038-000	$0.00
6	011-341-004-000	$0.00	41	011-341-039-000	$0.00
7	011-341-005-000	$0.00	42	011-341-040-000	$0.00
8	011-341-006-000	$0.00	43	011-341-041-000	$0.00
9	011-341-007-000	$0.00	44	011-341-042-000	$0.00
10	011-341-008-000	$0.00	45	011-341-043-000	$0.00
11	011-341-009-000	$0.00	46	011-342-001-000	$0.00
12	011-341-010-000	$0.00	47	011-342-002-000	$0.00
13	011-341-011-000	$0.00	48	011-342-003-000	$0.00
14	011-341-012-000	$0.00	49	011-342-004-000	$0.00
15	011-341-013-000	$0.00	50	011-342-005-000	$0.00
16	011-341-014-000	$0.00	51	011-342-006-000	$0.00
17	011-341-015-000	$0.00	52	011-342-007-000	$0.00
18	011-341-016-000	$0.00	53	011-342-008-000	$0.00
19	011-341-017-000	$0.00	54	011-342-009-000	$0.00
20	011-341-018-000	$0.00	55	011-342-010-000	$0.00
21	011-341-019-000	$0.00	56	011-342-011-000	$0.00
22	011-341-020-000	$0.00	57	011-342-012-000	$0.00
23	011-341-021-000	$0.00	58	011-342-013-000	$0.00
24	011-341-022-000	$0.00	59	011-342-014-000	$0.00
25	011-341-023-000	$0.00	60	011-342-015-000	$0.00
26	011-341-024-000	$0.00	61	011-342-016-000	$0.00
27	011-341-025-000	$0.00	62	011-342-017-000	$0.00
28	011-341-026-000	$0.00	63	011-342-018-000	$0.00
29	011-341-027-000	$0.00	64	011-342-019-000	$0.00
30	011-341-028-000	$0.00	65	011-342-020-000	$0.00
31	011-341-029-000	$0.00	66	011-342-021-000	$0.00
32	011-341-030-000	$0.00	67	011-342-022-000	$0.00
33	011-341-031-000	$0.00	68	011-342-023-000	$0.00
34	011-341-032-000	$0.00	69	011-342-024-000	$0.00
35	011-341-033-000	$0.00	70	011-342-025-000	$0.00
71	011-342-026-000	$0.00	116	011-352-011-000	$0.00
72	011-342-027-000	$0.00	117	011-352-012-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
73	011-342-028-000	$0.00	118	011-352-013-000	$0.00
74	011-342-029-000	$0.00	119	011-352-014-000	$0.00
75	011-342-030-000	$0.00	120	011-352-015-000	$0.00
76	011-342-031-000	$0.00	121	011-352-016-000	$0.00
77	011-342-032-000	$0.00	122	011-352-017-000	$0.00
78	011-342-033-000	$0.00	123	011-352-018-000	$0.00
79	011-342-034-000	$0.00	124	011-352-019-000	$0.00
80	011-342-035-000	$0.00	125	011-352-020-000	$0.00
81	011-342-036-000	$0.00	126	011-352-021-000	$0.00
82	011-342-037-000	$0.00	127	011-352-022-000	$0.00
83	011-342-038-000	$0.00	128	011-352-023-000	$0.00
84	011-342-039-000	$0.00	129	011-352-024-000	$0.00
85	011-342-040-000	$0.00	130	011-352-025-000	$0.00
86	011-342-041-000	$0.00	131	011-352-026-000	$0.00
87	011-342-042-000	$0.00	132	011-352-027-000	$0.00
88	011-342-043-000	$0.00	133	011-352-028-000	$0.00
89	011-342-044-000	$0.00	134	011-352-029-000	$0.00
90	011-342-045-000	$0.00	135	011-352-030-000	$0.00
91	011-342-046-000	$0.00	136	011-352-031-000	$0.00
92	011-342-047-000	$0.00	137	011-352-032-000	$0.00
93	011-342-048-000	$0.00	138	011-352-033-000	$0.00
94	011-342-049-000	$0.00	139	011-352-034-000	$0.00
95	011-342-050-000	$0.00	140	011-352-035-000	$0.00
96	011-342-051-000	$0.00	141	011-352-036-000	$0.00
97	011-342-052-000	$0.00	142	011-352-037-000	$0.00
98	011-342-053-000	$0.00	143	011-352-038-000	$0.00
99	011-342-054-000	$0.00	144	011-352-039-000	$0.00
100	011-342-055-000	$0.00	145	011-352-040-000	$0.00
101	011-342-056-000	$0.00	146	011-352-041-000	$0.00
102	011-342-057-000	$0.00	147	011-351-001-000	$0.00
103	011-342-058-000	$0.00	148	011-351-002-000	$0.00
104	011-342-059-000	$0.00	149	011-351-003-000	$0.00
105	011-342-060-000	$0.00	150	011-351-004-000	$0.00
106	011-352-001-000	$0.00	151	011-351-005-000	$0.00
107	011-352-002-000	$0.00	152	011-351-006-000	$0.00
108	011-352-003-000	$0.00	153	011-351-007-000	$0.00
109	011-352-004-000	$0.00	154	011-351-008-000	$0.00
110	011-352-005-000	$0.00	155	011-351-009-000	$0.00
111	011-352-006-000	$0.00	156	011-351-010-000	$0.00
112	011-352-007-000	$0.00	157	011-351-011-000	$0.00
113	011-352-008-000	$0.00	158	011-351-012-000	$0.00
114	011-352-009-000	$0.00	159	011-351-013-000	$0.00
115	011-352-010-000	$0.00	160	011-351-014-000	$0.00
161	011-351-015-000	$0.00	206	011-351-060-000	$0.00
162	011-351-016-000	$0.00	207	011-351-061-000	$0.00
163	011-351-017-000	$0.00	208	011-351-062-000	$0.00
164	011-351-018-000	$0.00	209	011-351-063-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
165	011-351-019-000	$0.00	210	011-351-064-000	$0.00
166	011-351-020-000	$0.00	211	011-351-065-000	$0.00
167	011-351-021-000	$0.00	212	011-351-066-000	$0.00
168	011-351-022-000	$0.00	213	011-351-067-000	$0.00
169	011-351-023-000	$0.00	214	011-351-068-000	$0.00
170	011-351-024-000	$0.00	215	011-351-069-000	$0.00
171	011-351-025-000	$0.00	216	011-351-070-000	$0.00
172	011-351-026-000	$0.00	217	011-351-071-000	$0.00
173	011-351-027-000	$0.00	218	011-351-072-000	$0.00
174	011-351-028-000	$0.00	219	011-351-073-000	$0.00
175	011-351-029-000	$0.00	220	011-351-074-000	$0.00
176	011-351-030-000	$0.00	221	011-351-075-000	$0.00
177	011-351-031-000	$0.00	222	011-351-076-000	$0.00
178	011-351-032-000	$0.00	223	011-351-077-000	$0.00
179	011-351-033-000	$0.00	224	011-351-078-000	$0.00
180	011-351-034-000	$0.00	225	011-351-079-000	$0.00
181	011-351-035-000	$0.00	226	011-351-080-000	$0.00
182	011-351-036-000	$0.00	227	011-350-001-000	$0.00
183	011-351-037-000	$0.00	228	011-350-002-000	$0.00
184	011-351-038-000	$0.00	229	011-350-003-000	$0.00
185	011-351-039-000	$0.00	230	011-350-004-000	$0.00
186	011-351-040-000	$0.00	231	011-350-005-000	$0.00
187	011-351-041-000	$0.00	232	011-350-006-000	$0.00
188	011-351-042-000	$0.00	233	011-350-007-000	$0.00
189	011-351-043-000	$0.00	234	011-350-008-000	$0.00
190	011-351-044-000	$0.00	235	011-350-009-000	$0.00
191	011-351-045-000	$0.00	236	011-350-010-000	$0.00
192	011-351-046-000	$0.00	237	011-350-011-000	$0.00
193	011-351-047-000	$0.00	238	011-350-012-000	$0.00
194	011-351-048-000	$0.00	239	011-350-013-000	$0.00
195	011-351-049-000	$0.00	240	011-350-014-000	$0.00
196	011-351-050-000	$0.00	241	011-350-015-000	$0.00
197	011-351-051-000	$0.00	242	011-350-016-000	$0.00
198	011-351-052-000	$0.00	243	011-350-017-000	$0.00
199	011-351-053-000	$0.00	244	011-350-018-000	$0.00
200	011-351-054-000	$0.00	245	011-350-019-000	$0.00
201	011-351-055-000	$0.00	246	011-350-020-000	$0.00
202	011-351-056-000	$0.00	247	011-350-021-000	$0.00
203	011-351-057-000	$0.00	248	011-350-022-000	$0.00
204	011-351-085-000	$0.00	249	011-350-023-000	$0.00
205	011-351-086-000	$0.00	250	011-350-024-000	$0.00
251	011-350-025-000	$0.00	296	011-353-006-000	$0.00
252	011-350-026-000	$0.00	297	011-353-007-000	$0.00
253	011-350-027-000	$0.00	298	011-353-008-000	$0.00
254	011-350-028-000	$0.00	299	011-353-009-000	$0.00
255	011-350-029-000	$0.00	300	011-353-010-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment
256	011-350-030-000	$0.00
257	011-350-031-000	$0.00
258	011-350-032-000	$0.00
259	011-350-033-000	$0.00
260	011-350-034-000	$0.00
261	011-350-035-000	$0.00
262	011-350-036-000	$0.00
263	011-350-037-000	$0.00
264	011-350-038-000	$0.00
265	011-350-039-000	$0.00
266	011-350-040-000	$0.00
267	011-350-041-000	$0.00
268	011-350-042-000	$0.00
269	011-350-043-000	$0.00
270	011-350-044-000	$0.00
271	011-350-045-000	$0.00
272	011-350-046-000	$0.00
273	011-350-047-000	$0.00
274	011-350-048-000	$0.00
275	011-350-049-000	$0.00
276	011-350-050-000	$0.00
277	011-350-051-000	$0.00
278	011-350-052-000	$0.00
279	011-350-053-000	$0.00
280	011-350-054-000	$0.00
281	011-350-055-000	$0.00
282	011-350-056-000	$0.00
283	011-350-057-000	$0.00
284	011-350-058-000	$0.00
285	011-350-059-000	$0.00
286	011-350-060-000	$0.00
287	011-350-061-000	$0.00
288	011-350-062-000	$0.00
289	011-350-063-000	$0.00
290	011-350-064-000	$0.00
291	011-353-001-000	$0.00
292	011-353-002-000	$0.00
293	011-353-003-000	$0.00
294	011-353-004-000	$0.00
295	011-353-005-000	$0.00

Assessment Number	Assessor's Parcel Number	Assessment
301	011-353-011-000	$0.00
302	011-353-012-000	$0.00
303	011-353-013-000	$0.00
304	011-353-014-000	$0.00
305	011-353-015-000	$0.00
306	011-353-016-000	$0.00
	TOTAL	$0.00

CITY OF MADERA

ZONE 43C

2016-2017

1.	BEGINNING FUND BALANCE			$	14,526.12
2.	LANDSCAPE MAINTENANCE COSTS	$	11,144.25		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,666.21		
	b. ENGINEERING ADMINISTRATION	$	1,590.21		
	c. LEGAL ADMINISTRATION	$	128.63		
	d. FINANCE ADMINISTRATION	$	345.11		
	e. TREE TRIMMING	$	3,690.00		
	f. GAS & UTILITIES	$	944.76		
	g. EQUIPMENT	$	635.44		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	1,279.41		
			TOTAL COSTS:	$	21,424.02
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				9,302.10
5.	TOTAL ASSESSMENT			$	16,200.55
6.	AVERAGE ASSESSMENT PER PARCEL				78.64

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 43C - El Coronado Estates

TOTAL ASSESSMENT:
$16,200.55

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-331-001-000	$78.64	36	011-333-033-000	$78.64
2	011-331-002-000	$78.64	37	011-333-034-000	$78.64
3	011-331-003-000	$78.64	38	011-333-035-000	$78.64
4	011-333-001-000	$78.64	39	011-333-036-000	$78.64
5	011-333-002-000	$78.64	40	011-333-037-000	$78.64
6	011-333-003-000	$78.64	41	011-333-038-000	$78.64
7	011-333-004-000	$78.64	42	011-333-039-000	$78.64
8	011-333-005-000	$78.64	43	011-333-040-000	$78.64
9	011-333-006-000	$78.64	44	011-333-041-000	$78.64
10	011-333-007-000	$78.64	45	011-333-042-000	$78.64
11	011-333-008-000	$78.64	46	011-333-043-000	$78.64
12	011-333-009-000	$78.64	47	011-333-044-000	$78.64
13	011-333-010-000	$78.64	48	011-331-019-000	$78.64
14	011-333-011-000	$78.64	49	011-331-020-000	$78.64
15	011-333-012-000	$78.64	50	011-331-021-000	$78.64
16	011-333-013-000	$78.64	51	011-332-001-000	$78.64
17	011-333-014-000	$78.64	52	011-332-002-000	$78.64
18	011-333-015-000	$78.64	53	011-332-003-000	$78.64
19	011-333-016-000	$78.64	54	011-332-004-000	$78.64
20	011-333-017-000	$78.64	55	011-332-005-000	$78.64
21	011-333-018-000	$78.64	56	011-332-006-000	$78.64
22	011-333-019-000	$78.64	57	011-332-007-000	$78.64
23	011-333-020-000	$78.64	58	011-332-008-000	$78.64
24	011-333-021-000	$78.64	59	011-332-009-000	$78.64
25	011-333-022-000	$78.64	60	011-332-010-000	$78.64
26	011-333-023-000	$78.64	61	011-332-011-000	$78.64
27	011-333-024-000	$78.64	62	011-332-012-000	$78.64
28	011-333-025-000	$78.64	63	011-332-013-000	$78.64
29	011-333-026-000	$78.64	64	011-332-014-000	$78.64
30	011-333-027-000	$78.64	65	011-332-015-000	$78.64
31	011-333-028-000	$78.64	66	011-332-016-000	$78.64
32	011-333-029-000	$78.64	67	011-332-017-000	$78.64
33	011-333-030-000	$78.64	68	011-332-018-000	$78.64
34	011-333-031-000	$78.64	69	011-332-019-000	$78.64
35	011-333-032-000	$78.64	70	011-332-020-000	$78.64
71	011-332-021-000	$78.64	116	011-333-082-000	$78.64
72	011-332-022-000	$78.64	117	011-333-083-000	$78.64

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
73	011-332-023-000	$78.64	118	011-333-084-000	$78.64
74	011-332-024-000	$78.64	119	011-333-085-000	$78.64
75	011-332-025-000	$78.64	120	011-331-004-000	$78.64
76	011-332-026-000	$78.64	121	011-331-005-000	$78.64
77	011-332-027-000	$78.64	122	011-331-006-000	$78.64
78	011-332-028-000	$78.64	123	011-331-007-000	$78.64
79	011-333-045-000	$78.64	124	011-331-008-000	$78.64
80	011-333-046-000	$78.64	125	011-331-009-000	$78.64
81	011-333-047-000	$78.64	126	011-331-010-000	$78.64
82	011-333-048-000	$78.64	127	011-331-011-000	$78.64
83	011-333-049-000	$78.64	128	011-331-012-000	$78.64
84	011-333-050-000	$78.64	129	011-331-013-000	$78.64
85	011-333-051-000	$78.64	130	011-331-014-000	$78.64
86	011-333-052-000	$78.64	131	011-331-015-000	$78.64
87	011-333-053-000	$78.64	132	011-331-016-000	$78.64
88	011-333-054-000	$78.64	133	011-331-017-000	$78.64
89	011-333-055-000	$78.64	134	011-331-018-000	$78.64
90	011-333-056-000	$78.64	135	011-333-086-000	$78.64
91	011-333-057-000	$78.64	136	011-333-087-000	$78.64
92	011-333-058-000	$78.64	137	011-333-088-000	$78.64
93	011-333-059-000	$78.64	138	011-333-089-000	$78.64
94	011-333-060-000	$78.64	139	011-333-090-000	$78.64
95	011-333-061-000	$78.64	140	011-333-091-000	$78.64
96	011-333-062-000	$78.64	141	011-333-092-000	$78.64
97	011-333-063-000	$78.64	142	011-333-093-000	$78.64
98	011-333-064-000	$78.64	143	011-333-094-000	$78.64
99	011-333-065-000	$78.64	144	011-333-095-000	$78.64
100	011-333-066-000	$78.64	145	011-333-096-000	$78.64
101	011-333-067-000	$78.64	146	011-333-097-000	$78.64
102	011-333-068-000	$78.64	147	011-331-022-000	$78.64
103	011-333-069-000	$78.64	148	011-331-023-000	$78.64
104	011-333-070-000	$78.64	149	011-331-024-000	$78.64
105	011-333-071-000	$78.64	150	011-331-025-000	$78.64
106	011-333-072-000	$78.64	151	011-331-026-000	$78.64
107	011-333-073-000	$78.64	152	011-331-027-000	$78.64
108	011-333-074-000	$78.64	153	011-331-028-000	$78.64
109	011-333-075-000	$78.64	154	011-331-029-000	$78.64
110	011-333-076-000	$78.64	155	011-331-030-000	$78.64
111	011-333-077-000	$78.64	156	011-331-031-000	$78.64
112	011-333-078-000	$78.64	157	011-331-032-000	$78.64
113	011-333-079-000	$78.64	158	011-331-033-000	$78.64
114	011-333-080-000	$78.64	159	011-331-034-000	$78.64
115	011-333-081-000	$78.64	160	011-331-035-000	$78.64
161	011-331-036-000	$78.64	206	011-332-058-000	$78.64
162	011-331-037-000	$78.64			
163	011-331-038-000	$78.64		Total	$16,200.55
164	011-331-039-000	$78.64			

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
165	011-331-040-000	$78.64			
166	011-331-041-000	$78.64			
167	011-331-042-000	$78.64			
168	011-331-043-000	$78.64			
169	011-331-044-000	$78.64			
170	011-331-045-000	$78.64			
171	011-331-046-000	$78.64			
172	011-331-047-000	$78.64			
173	011-331-048-000	$78.64			
174	011-331-049-000	$78.64			
175	011-331-050-000	$78.64			
176	011-331-051-000	$78.64			
177	011-332-029-000	$78.64			
178	011-332-030-000	$78.64			
179	011-332-031-000	$78.64			
180	011-332-032-000	$78.64			
181	011-332-033-000	$78.64			
182	011-332-034-000	$78.64			
183	011-332-035-000	$78.64			
184	011-332-036-000	$78.64			
185	011-332-037-000	$78.64			
186	011-332-038-000	$78.64			
187	011-332-039-000	$78.64			
188	011-332-040-000	$78.64			
189	011-332-041-000	$78.64			
190	011-332-042-000	$78.64			
191	011-332-043-000	$78.64			
192	011-332-044-000	$78.64			
193	011-332-045-000	$78.64			
194	011-332-046-000	$78.64			
195	011-332-047-000	$78.64			
196	011-332-048-000	$78.64			
197	011-332-049-000	$78.64			
198	011-332-050-000	$78.64			
199	011-332-051-000	$78.64			
200	011-332-052-000	$78.64			
201	011-332-053-000	$78.64			
202	011-332-054-000	$78.64			
203	011-332-055-000	$78.64			
204	011-332-056-000	$78.64			
205	011-332-057-000	$78.64			

CITY OF MADERA

ZONE 43D

2016-2017

1.	BEGINNING FUND BALANCE			$	2,775.96
2.	LANDSCAPE MAINTENANCE COSTS	$	3,809.15		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	1,222.26		
	b. ENGINEERING ADMINISTRATION	$	832.31		
	c. LEGAL ADMINISTRATION	$	67.32		
	d. FINANCE ADMINISTRATION	$	180.63		
	e. TREE TRIMMING	$	1,395.00		
	f. GAS & UTILITIES	$	362.91		
	g. EQUIPMENT	$	217.20		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	437.31		
			TOTAL COSTS:	$	8,524.10
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				2,708.06
5.	TOTAL ASSESSMENT			$	8,455.16
6.	AVERAGE ASSESSMENT PER PARCEL				81.31

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 43D - ALMOND VILLAGE ESTATES

TOTAL ASSESSMENT:
$8,455.16

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-360-001-000	81.30	36	011-360-036-000	81.30
2	011-360-002-000	81.30	37	011-360-037-000	81.30
3	011-360-003-000	81.30	38	011-360-038-000	81.30
4	011-360-004-000	81.30	39	011-360-039-000	81.30
5	011-360-005-000	81.30	40	011-360-040-000	81.30
6	011-360-006-000	81.30	41	011-360-041-000	81.30
7	011-360-007-000	81.30	42	011-360-042-000	81.30
8	011-360-008-000	81.30	43	011-360-043-000	81.30
9	011-360-009-000	81.30	44	011-360-044-000	81.30
10	011-360-010-000	81.30	45	011-360-045-000	81.30
11	011-360-011-000	81.30	46	011-360-046-000	81.30
12	011-360-012-000	81.30	47	011-360-047-000	81.30
13	011-360-013-000	81.30	48	011-360-048-000	81.30
14	011-360-014-000	81.30	49	011-360-049-000	81.30
15	011-360-015-000	81.30	50	011-360-050-000	81.30
16	011-360-016-000	81.30	51	011-360-051-000	81.30
17	011-360-017-000	81.30	52	011-360-052-000	81.30
18	011-360-018-000	81.30	53	011-360-053-000	81.30
19	011-360-019-000	81.30	54	011-360-054-000	81.30
20	011-360-020-000	81.30	55	011-360-055-000	81.30
21	011-360-021-000	81.30	56	011-360-056-000	81.30
22	011-360-022-000	81.30	57	011-360-057-000	81.30
23	011-360-023-000	81.30	58	011-360-058-000	81.30
24	011-360-024-000	81.30	59	011-360-059-000	81.30
25	011-360-025-000	81.30	60	011-361-001-000	81.30
26	011-360-026-000	81.30	61	011-361-002-000	81.30
27	011-360-027-000	81.30	62	011-361-003-000	81.30
28	011-360-028-000	81.30	63	011-361-004-000	81.30
29	011-360-029-000	81.30	64	011-361-005-000	81.30
30	011-360-030-000	81.30	65	011-361-006-000	81.30
31	011-360-031-000	81.30	66	011-361-007-000	81.30
32	011-360-032-000	81.30	67	011-361-008-000	81.30
33	011-360-033-000	81.30	68	011-361-009-000	81.30
34	011-360-034-000	81.30	69	011-361-010-000	81.30
35	011-360-035-000	81.30	70	011-361-011-000	81.30
71	011-361-012-000	81.30			
72	011-361-013-000	81.30			

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
73	011-361-014-000	81.30			
74	011-361-015-000	81.30			
75	011-361-016-000	81.30			
76	011-361-017-000	81.30			
77	011-361-018-000	81.30			
78	011-361-019-000	81.30			
79	011-361-020-000	81.30			
80	011-361-021-000	81.30			
81	011-361-022-000	81.30			
82	011-361-023-000	81.30			
83	011-361-024-000	81.30			
84	011-361-025-000	81.30			
85	011-361-026-000	81.30			
86	011-361-027-000	81.30			
87	011-361-028-000	81.30			
88	011-361-029-000	81.30			
89	011-361-030-000	81.30			
90	011-361-031-000	81.30			
91	011-361-032-000	81.30			
92	011-361-033-000	81.30			
93	011-361-034-000	81.30			
94	011-361-035-000	81.30			
95	011-361-036-000	81.30			
96	011-361-037-000	81.30			
97	011-360-060-000	81.30			
98	011-360-061-000	81.30			
99	011-360-062-000	81.30			
100	011-360-063-000	81.30			
101	011-360-064-000	81.30			
102	011-360-065-000	81.30			
103	011-360-066-000	81.30			
104	011-360-067-000	81.30			
	Total	8455.16			

CITY OF MADERA

ZONE 43E

2016-2017

1.	BEGINNING FUND BALANCE				$	15,537.06
2.	LANDSCAPE MAINTENANCE COSTS		$	977.07		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	111.11		
	b.	ENGINEERING ADMINISTRATION	$	208.16		
	c.	LEGAL ADMINISTRATION	$	16.84		
	d.	FINANCE ADMINISTRATION	$	45.18		
	e.	TREE TRIMMING	$	0.00		
	f.	GAS & UTILITIES	$	48.82		
	g.	EQUIPMENT	$	55.71		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	112.17		
				TOTAL COSTS:	$	1,575.07
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					13,961.99
5.	TOTAL ASSESSMENT				$	0.00
6.	AVERAGE ASSESSMENT PER PARCEL					0.00

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 43E - Taylor Estates Subdivision

TOTAL ASSESSMENT:
$0.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-301-001-000	$0.00			
2	011-301-002-000	$0.00			
3	011-301-003-000	$0.00			
4	011-301-004-000	$0.00			
5	011-301-005-000	$0.00			
6	011-301-006-000	$0.00			
7	011-301-007-000	$0.00			
8	011-301-008-000	$0.00			
9	011-301-009-000	$0.00			
10	011-301-010-000	$0.00			
11	011-301-011-000	$0.00			
12	011-301-012-000	$0.00			
13	011-301-013-000	$0.00			
14	011-301-014-000	$0.00			
15	011-301-015-000	$0.00			
16	011-301-016-000	$0.00			
17	011-301-017-000	$0.00			
18	011-301-018-000	$0.00			
19	011-301-019-000	$0.00			
20	011-301-020-000	$0.00			
	Total	$0.00			

CITY OF MADERA

ZONE 44

2016-2017

1.	BEGINNING FUND BALANCE			$	986.84
2.	LANDSCAPE MAINTENANCE COSTS	$	1,274.44		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	666.69		
	b. ENGINEERING ADMINISTRATION	$	126.43		
	c. LEGAL ADMINISTRATION	$	10.23		
	d. FINANCE ADMINISTRATION	$	27.44		
	e. TREE TRIMMING	$	0.00		
	f. GAS & UTILITIES	$	120.66		
	g. EQUIPMENT	$	72.67		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	146.31		
			TOTAL COSTS:	$	2,444.85
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				1,079.90
5.	TOTAL ASSESSMENT			$	2,538.00
6.	AVERAGE ASSESSMENT PER PARCEL				281.99

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 44 - SIERRA VISTA ESTATES PHASE III

TOTAL ASSESSMENT:
$2,538.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	011-202-022-000	$282.00			
2	011-202-023-000	$282.00			
3	011-202-024-000	$282.00			
4	011-202-025-000	$282.00			
5	011-202-026-000	$282.00			
6	011-202-027-000	$282.00			
7	011-202-028-000	$282.00			
8	011-202-029-000	$282.00			
9	011-202-030-000	$282.00			
	TOTAL	$2,538.00			

CITY OF MADERA

ZONE 45A

2016-2017

1.	BEGINNING FUND BALANCE				$	2,726.19
2.	LANDSCAPE MAINTENANCE COSTS		$	3,950.76		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	444.46		
	b.	ENGINEERING ADMINISTRATION	$	832.31		
	c.	LEGAL ADMINISTRATION	$	67.32		
	d.	FINANCE ADMINISTRATION	$	180.63		
	e.	TREE TRIMMING	$	743.00		
	f.	GAS & UTILITIES	$	377.32		
	g.	EQUIPMENT	$	225.27		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	453.56		
				TOTAL COSTS:	$	7,274.64
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					3,362.63
5.	TOTAL ASSESSMENT				$	7,911.94
6.	AVERAGE ASSESSMENT PER PARCEL					76.07

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 45A - SIENNA ESTATES I & II

TOTAL ASSESSMENT:
$7,911.94

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-131-001-000	$76.08	36	008-132-006-000	$76.08
2	008-131-002-000	$76.08	37	008-132-007-000	$76.08
3	008-131-003-000	$76.08	38	008-132-008-000	$76.08
4	008-131-004-000	$76.08	39	008-132-009-000	$76.08
5	008-131-005-000	$76.08	40	008-132-010-000	$76.08
6	008-131-006-000	$76.08	41	008-132-011-000	$76.08
7	008-131-007-000	$76.08	42	008-132-012-000	$76.08
8	008-131-008-000	$76.08	43	008-132-013-000	$76.08
9	008-131-009-000	$76.08	44	008-132-014-000	$76.08
10	008-131-010-000	$76.08	45	008-132-015-000	$76.08
11	008-131-011-000	$76.08	46	008-132-016-000	$76.08
12	008-131-012-000	$76.08	47	008-132-017-000	$76.08
13	008-131-013-000	$76.08	48	008-132-018-000	$76.08
14	008-131-014-000	$76.08	49	008-132-019-000	$76.08
15	008-131-015-000	$76.08	50	008-132-020-000	$76.08
16	008-131-016-000	$76.08	51	008-132-021-000	$76.08
17	008-131-017-000	$76.08	52	008-132-022-000	$76.08
18	008-131-018-000	$76.08	53	008-132-023-000	$76.08
19	008-131-019-000	$76.08	54	008-132-024-000	$76.08
20	008-131-020-000	$76.08	55	008-132-025-000	$76.08
21	008-131-021-000	$76.08	56	008-132-026-000	$76.08
22	008-131-022-000	$76.08	57	008-132-027-000	$76.08
23	008-131-023-000	$76.08	58	008-132-028-000	$76.08
24	008-131-024-000	$76.08	59	008-132-029-000	$76.08
25	008-131-025-000	$76.08	60	008-132-030-000	$76.08
26	008-131-026-000	$76.08	61	008-132-031-000	$76.08
27	008-131-027-000	$76.08	62	008-132-032-000	$76.08
28	008-131-028-000	$76.08	63	008-132-033-000	$76.08
29	008-131-029-000	$76.08	64	008-132-034-000	$76.08
30	008-131-030-000	$76.08	65	008-132-035-000	$76.08
31	008-132-001-000	$76.08	66	008-132-036-000	$76.08
32	008-132-002-000	$76.08	67	008-132-037-000	$76.08
33	008-132-003-000	$76.08	68	008-132-038-000	$76.08
34	008-132-004-000	$76.08	69	008-132-039-000	$76.08
35	008-132-005-000	$76.08	70	008-131-031-000	$76.08
71	008-131-032-000	$76.08			
72	008-131-033-000	$76.08			

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
73	008-131-034-000	$76.08			
74	008-131-035-000	$76.08			
75	008-131-036-000	$76.08			
76	008-131-037-000	$76.08			
77	008-131-038-000	$76.08			
78	008-131-039-000	$76.08			
79	008-131-040-000	$76.08			
80	008-131-041-000	$76.08			
81	008-131-042-000	$76.08			
82	008-131-043-000	$76.08			
83	008-131-044-000	$76.08			
84	008-131-045-000	$76.08			
85	008-131-046-000	$76.08			
86	008-131-047-000	$76.08			
87	008-131-048-000	$76.08			
88	008-131-049-000	$76.08			
89	008-131-050-000	$76.08			
90	008-131-051-000	$76.08			
91	008-131-052-000	$76.08			
92	008-131-053-000	$76.08			
93	008-131-054-000	$76.08			
94	008-131-055-000	$76.08			
95	008-131-056-000	$76.08			
96	008-131-057-000	$76.08			
97	008-132-040-000	$76.08			
98	008-132-041-000	$76.08			
99	008-132-042-000	$76.08			
100	008-132-043-000	$76.08			
101	008-132-044-000	$76.08			
102	008-132-045-000	$76.08			
103	008-132-046-000	$76.08			
104	008-132-047-000	$76.08			
	Total	$7,911.94			

CITY OF MADERA

ZONE 46

2016-2017

1.	BEGINNING FUND BALANCE			$	2,445.23
2.	LANDSCAPE MAINTENANCE COSTS	$	2,817.92		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	85.00		
	b. ENGINEERING ADMINISTRATION	$	817.45		
	c. LEGAL ADMINISTRATION	$	66.12		
	d. FINANCE ADMINISTRATION	$	177.41		
	e. TREE TRIMMING	$	795.00		
	f. GAS & UTILITIES	$	494.27		
	g. EQUIPMENT	$	160.68		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	323.51		
			TOTAL COSTS:	$	5,737.36
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				3,093.34
5.	TOTAL ASSESSMENT			$	6,385.48
6.	AVERAGE ASSESSMENT PER PARCEL				62.60

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 46 - CAPISTRANO XVII

TOTAL ASSESSMENT:
$6,385.48

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	009-580-001-000	$62.60	36	009-580-037-000	$62.60
2	009-580-002-000	$62.60	37	009-580-038-000	$62.60
3	009-580-003-000	$62.60	38	009-580-039-000	$62.60
4	009-580-004-000	$62.60	39	009-580-040-000	$62.60
5	009-580-005-000	$62.60	40	009-580-041-000	$62.60
6	009-580-006-000	$62.60	41	009-580-042-000	$62.60
7	009-580-007-000	$62.60	42	009-580-043-000	$62.60
8	009-580-008-000	$62.60	43	009-580-044-000	$62.60
9	009-580-009-000	$62.60	44	009-580-045-000	$62.60
10	009-580-010-000	$62.60	45	009-580-046-000	$62.60
11	009-580-011-000	$62.60	46	009-580-047-000	$62.60
12	009-580-012-000	$62.60	47	009-580-048-000	$62.60
13	009-580-013-000	$62.60	48	009-580-049-000	$62.60
14	009-580-055-000	$62.60	49	009-580-050-000	$62.60
15	009-580-056-000	$62.60	50	009-580-051-000	$62.60
16	009-580-057-000	$62.60	51	009-580-052-000	$62.60
17	009-580-058-000	$62.60	52	009-581-060-000	$62.60
18	009-580-059-000	$62.60	53	009-581-002-000	$62.60
19	009-580-060-000	$62.60	54	009-581-003-000	$62.60
20	009-580-021-000	$62.60	55	009-581-004-000	$62.60
21	009-580-022-000	$62.60	56	009-581-005-000	$62.60
22	009-580-023-000	$62.60	57	009-581-006-000	$62.60
23	009-580-024-000	$62.60	58	009-581-007-000	$62.60
24	009-580-025-000	$62.60	59	009-581-008-000	$62.60
25	009-580-026-000	$62.60	60	009-581-009-000	$62.60
26	009-580-027-000	$62.60	61	009-581-010-000	$62.60
27	009-580-028-000	$62.60	62	009-581-011-000	$62.60
28	009-580-029-000	$62.60	63	009-581-012-000	$62.60
29	009-580-030-000	$62.60	64	009-581-013-000	$62.60
30	009-580-031-000	$62.60	65	009-581-014-000	$62.60
31	009-580-032-000	$62.60	66	009-581-015-000	$62.60
32	009-580-033-000	$62.60	67	009-581-016-000	$62.60
33	009-580-034-000	$62.60	68	009-581-017-000	$62.60
34	009-580-035-000	$62.60	69	009-581-018-000	$62.60
35	009-580-036-000	$62.60	70	009-581-019-000	$62.60
71	009-581-020-000	$62.60			
72	009-581-021-000	$62.60			
73	009-581-022-000	$62.60			

74	009-581-023-000	$62.60
75	009-581-024-000	$62.60
76	009-581-025-000	$62.60
77	009-581-026-000	$62.60
78	009-581-027-000	$62.60
79	009-581-028-000	$62.60
80	009-581-029-000	$62.60
81	009-581-030-000	$62.60
82	009-581-031-000	$62.60
83	009-581-032-000	$62.60
84	009-581-033-000	$62.60
85	009-581-034-000	$62.60
86	009-581-041-000	$62.60
87	009-581-042-000	$62.60
88	009-581-043-000	$62.60
89	009-581-044-000	$62.60
90	009-581-045-000	$62.60
91	009-581-046-000	$62.60
92	009-581-047-000	$62.60
93	009-581-048-000	$62.60
94	009-581-049-000	$62.60
95	009-581-050-000	$62.60
96	009-581-051-000	$62.60
97	009-581-052-000	$62.60
98	009-581-053-000	$62.60
99	009-581-054-000	$62.60
100	009-581-055-000	$62.60
101	009-581-056-000	$62.60
102	009-581-057-000	$62.60
	Total	$6,385.48

CITY OF MADERA

ZONE 50

2016-2017

1.	BEGINNING FUND BALANCE				$	102.19
2.	LANDSCAPE MAINTENANCE COSTS		$	342.21		
3.	INCIDENTAL COSTS:					
	a.	PARKS ADMINISTRATION	$	169.08		
	b.	ENGINEERING ADMINISTRATION	$	245.32		
	c.	LEGAL ADMINISTRATION	$	19.84		
	d.	FINANCE ADMINISTRATION	$	53.24		
	e.	TREE TRIMMING	$	90.00		
	f.	GAS & UTILITIES	$	35.75		
	g.	EQUIPMENT	$	19.51		
	h.	FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	39.29		
				TOTAL COSTS:	$	1,014.24
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE					192.95
5.	TOTAL ASSESSMENT				$	1,105.00
6.	AVERAGE ASSESSMENT PER PARCEL					44.20

ASSESSMENT ROLL
2013-2014 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 50 - SUGARPINE

TOTAL ASSESSMENT:
$1,105.00

Assessment Number	Assessor's Parcel Number	Assessment	Assessment Number	Assessor's Parcel Number	Assessment
1	008-142-042-000	$44.20			
2	008-142-043-000	$44.20			
3	008-142-044-000	$44.20			
4	008-142-045-000	$44.20			
5	008-142-046-000	$44.20			
6	008-142-047-000	$44.20			
7	008-142-048-000	$44.20			
8	008-142-049-000	$44.20			
9	008-142-050-000	$44.20			
10	008-142-051-000	$44.20			
11	008-142-052-000	$44.20			
12	008-142-053-000	$44.20			
13	008-142-054-000	$44.20			
14	008-142-055-000	$44.20			
15	008-142-056-000	$44.20			
16	008-142-057-000	$44.20			
17	008-142-058-000	$44.20			
18	008-142-059-000	$44.20			
19	008-142-060-000	$44.20			
20	008-142-061-000	$44.20			
21	008-142-062-000	$44.20			
22	008-142-063-000	$44.20			
23	008-142-064-000	$44.20			
24	008-142-065-000	$44.20			
25	008-142-066-000	$44.20			
	Total	$1,105.00			

CITY OF MADERA

ZONE 51

2016-2017

1.	BEGINNING FUND BALANCE			$	4,943.35
2.	LANDSCAPE MAINTENANCE COSTS	$	3,776.00		
3.	INCIDENTAL COSTS:				
	a. PARKS ADMINISTRATION	$	432.68		
	b. ENGINEERING ADMINISTRATION	$	223.02		
	c. LEGAL ADMINISTRATION	$	18.04		
	d. FINANCE ADMINISTRATION	$	48.40		
	e. TREE TRIMMING	$	270.00		
	f. GAS & UTILITIES	$	6.73		
	g. EQUIPMENT	$	351.77		
	h. FUEL, SUPPLIES, MAINTENANCE MATERIALS	$	708.25		
			TOTAL COSTS:	$	5,834.90
4.	ESTIMATED CASH FLOW RESERVE AND ENDING FUND BALANCE				6,011.45
5.	TOTAL ASSESSMENT			$	6,903.00
6.	AVERAGE ASSESSMENT PER PARCEL				313.77

ASSESSMENT ROLL
2016-2017 ASSESSMENT
FOR
CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONE 51 - RED ROCK RETAIL CENTER

TOTAL ASSESSMENT:
$6,903.00

Assessment Number	Assessor's Parcel Number	Assessment	
1	003-260-051-000	$54.16	
2	003-260-052-000	$50.44	
3	009-331-004-000	$262.92	
4	009-331-005-000	$254.56	
5	009-331-006-000	$265.50	
	009-331-009-000		
6	009-331-007-000	$270.96	
	009-331-008-000		
7	009-331-012-000	$312.94	
8	009-331-013-000	$304.88	
9	009-331-014-000	$406.20	
10	009-331-015-000	$419.06	
11	009-331-016-000	$506.62	*
12	009-331-017-000	$574.70	*
13	009-331-001-000	$1,437.58	*
14	009-331-002-000	$158.18	*
15	009-331-003-000	$153.12	*
16	009-331-011-000	$231.12	*
17	009-331-010-000	$225.82	
18	009-331-018-000	$242.18	
19	009-331-019-000	$242.10	
20	003-250-025-000	$184.42	
22	003-210-018-000	$345.54	

TOTAL ASSESSMENT	$6,903.00
*DIRECT BILL	$3,061.32
TOTAL TO ASSESSOR	$3,841.68

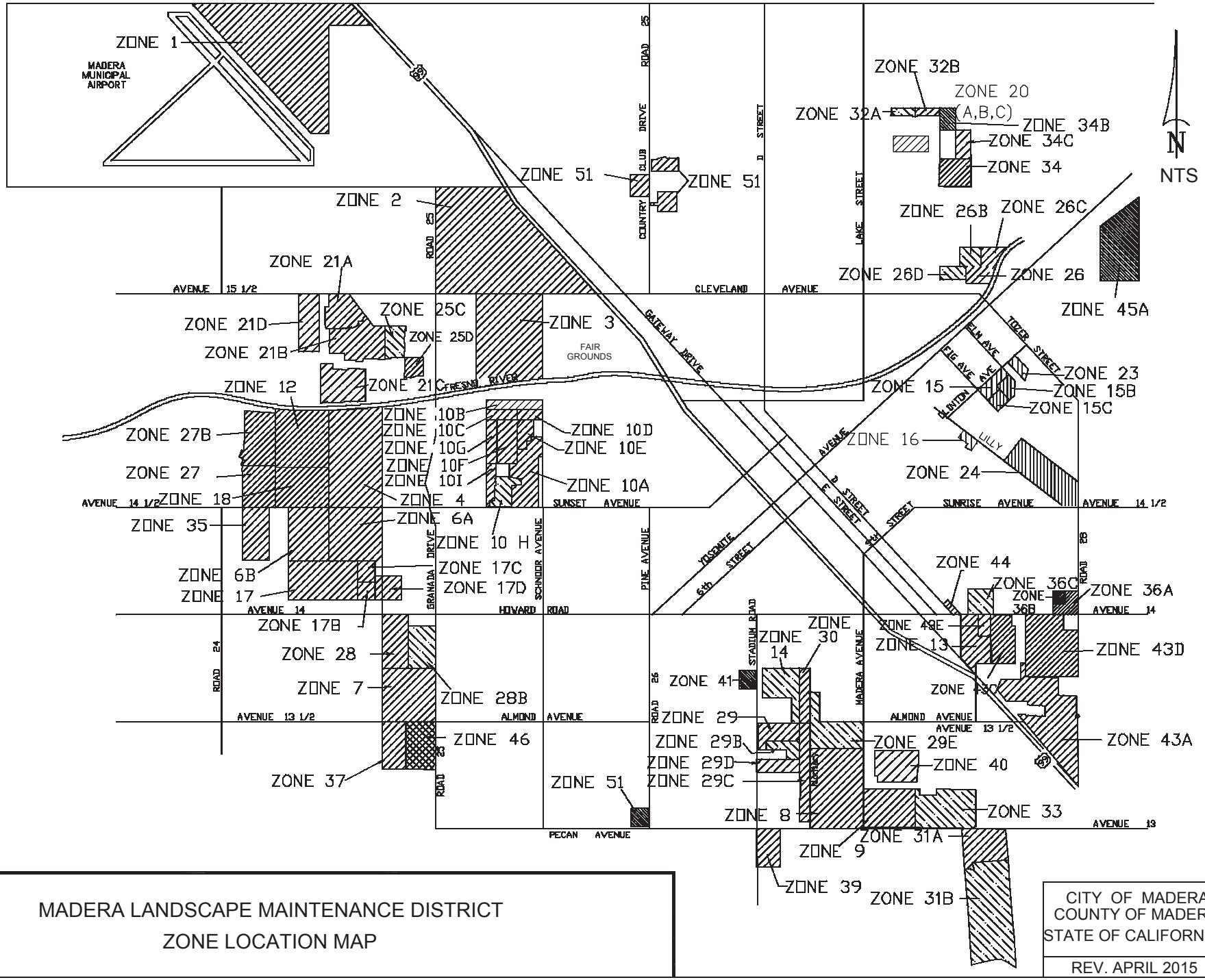
Exhibit 'D'

CITY OF MADERA
LANDSCAPE MAINTENANCE DISTRICT

ZONES: 1, 2, 3, 4, 6A, 6B, 7, 8, 9, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 12, 13, 14, 15, 15B, 15C, 16, 17A, 17B, 17C, 17D, 18, 20A, 20B, 20C, 21A, 21B, 21C, 21D, 23, 24, 25C, 25D, 26, 26B, 26C, 26D, 27, 27B, 28, 28B, 29, 29B, 29C, 29D, 29E, 30, 31A, 31B, 32A, 32B, 33, 34, 34B, 34C, 35, 36A, 36B, 36C, 37, 39, 40, 41, 43A, 43C, 43D, 43E, 44, 45A, 46, 50 & 51

2016-2017 ASSESSMENT

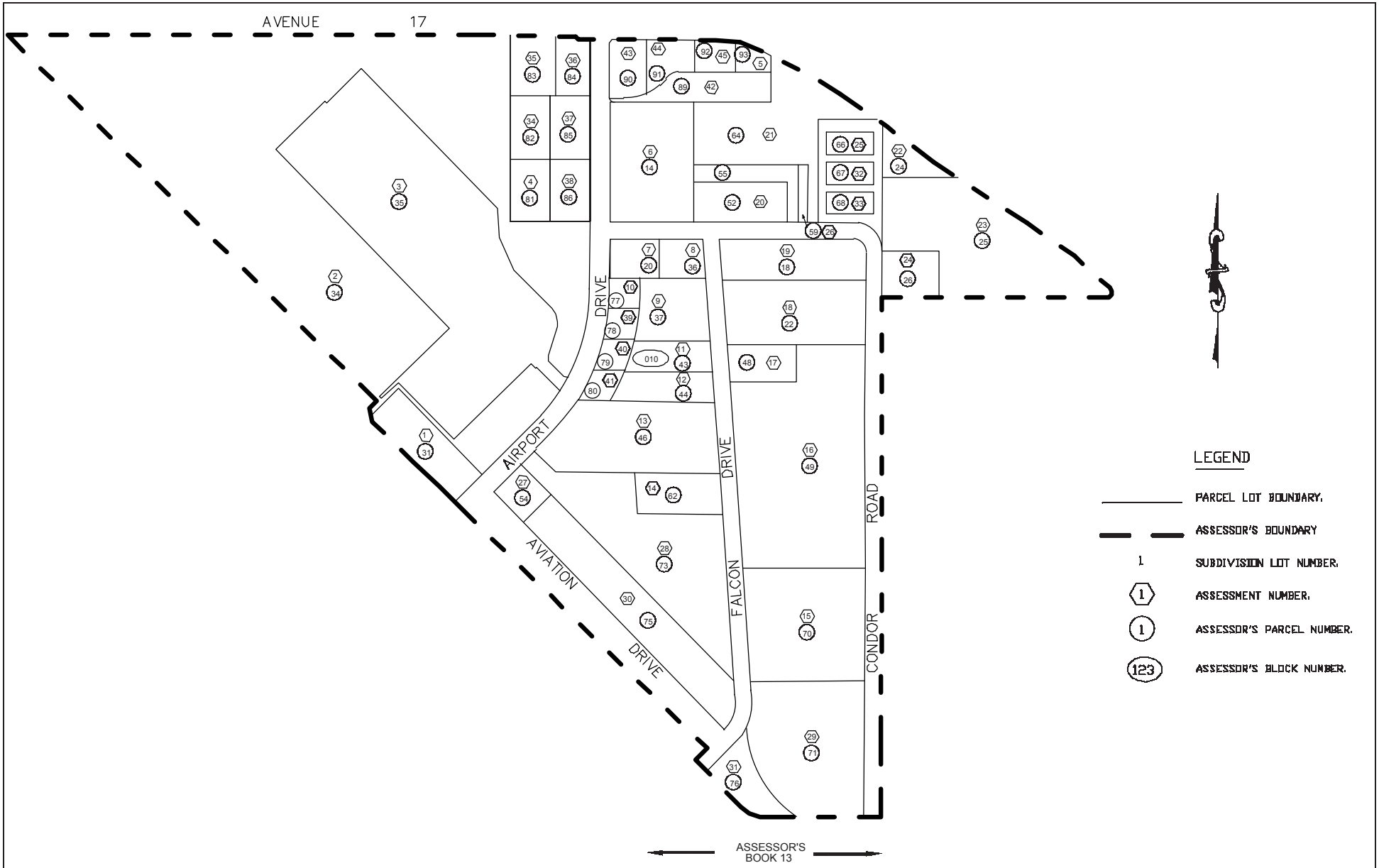
ASSESSMENT DIAGRAM / MAPS



MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE LOCATION MAP

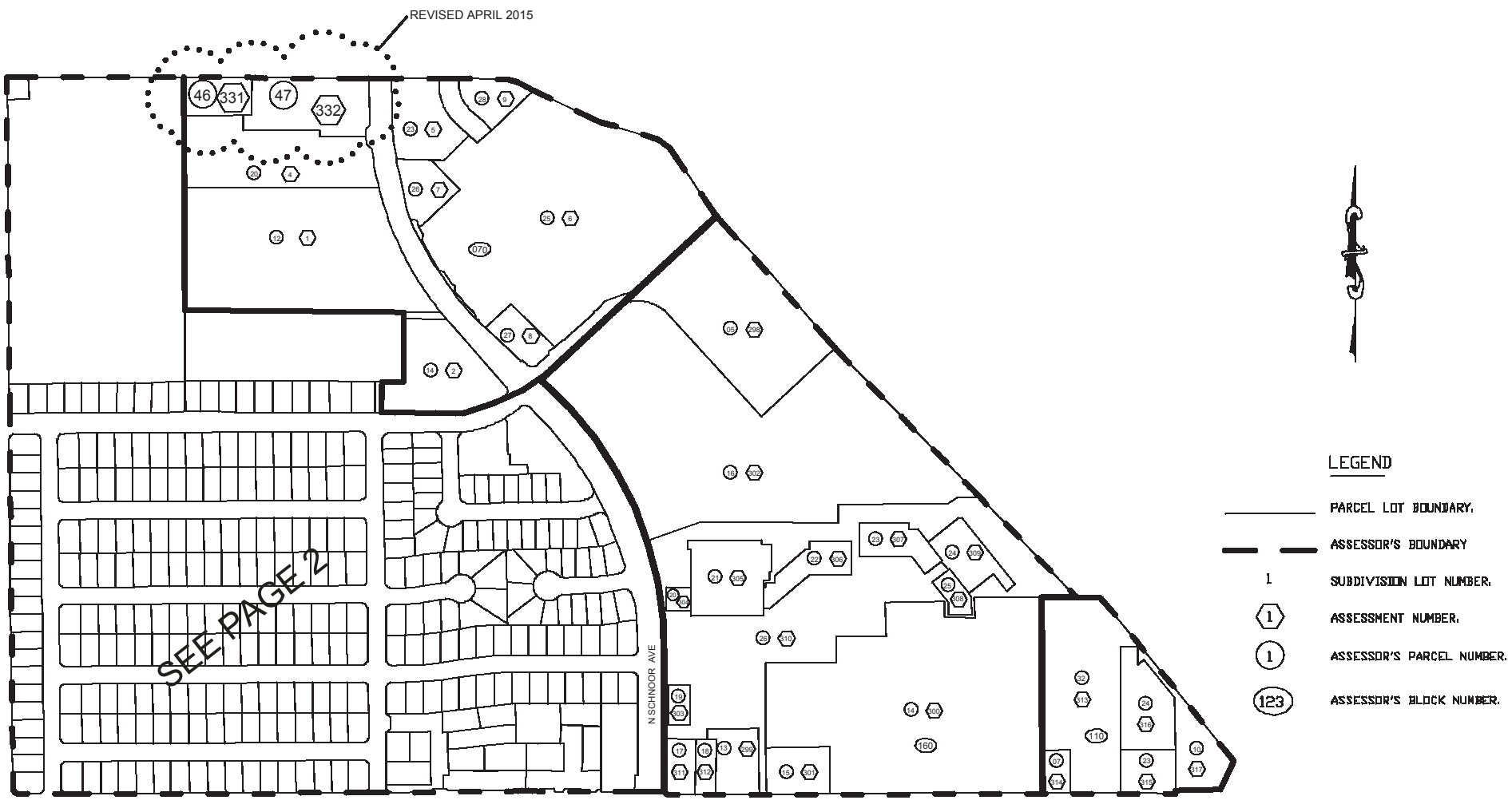
CITY OF MADERA
COUNTY OF MADERA
STATE OF CALIFORNIA

REV. APRIL 2015



ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 1
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
AIRPORT BUSINESS PARK
REV. JULY 2012

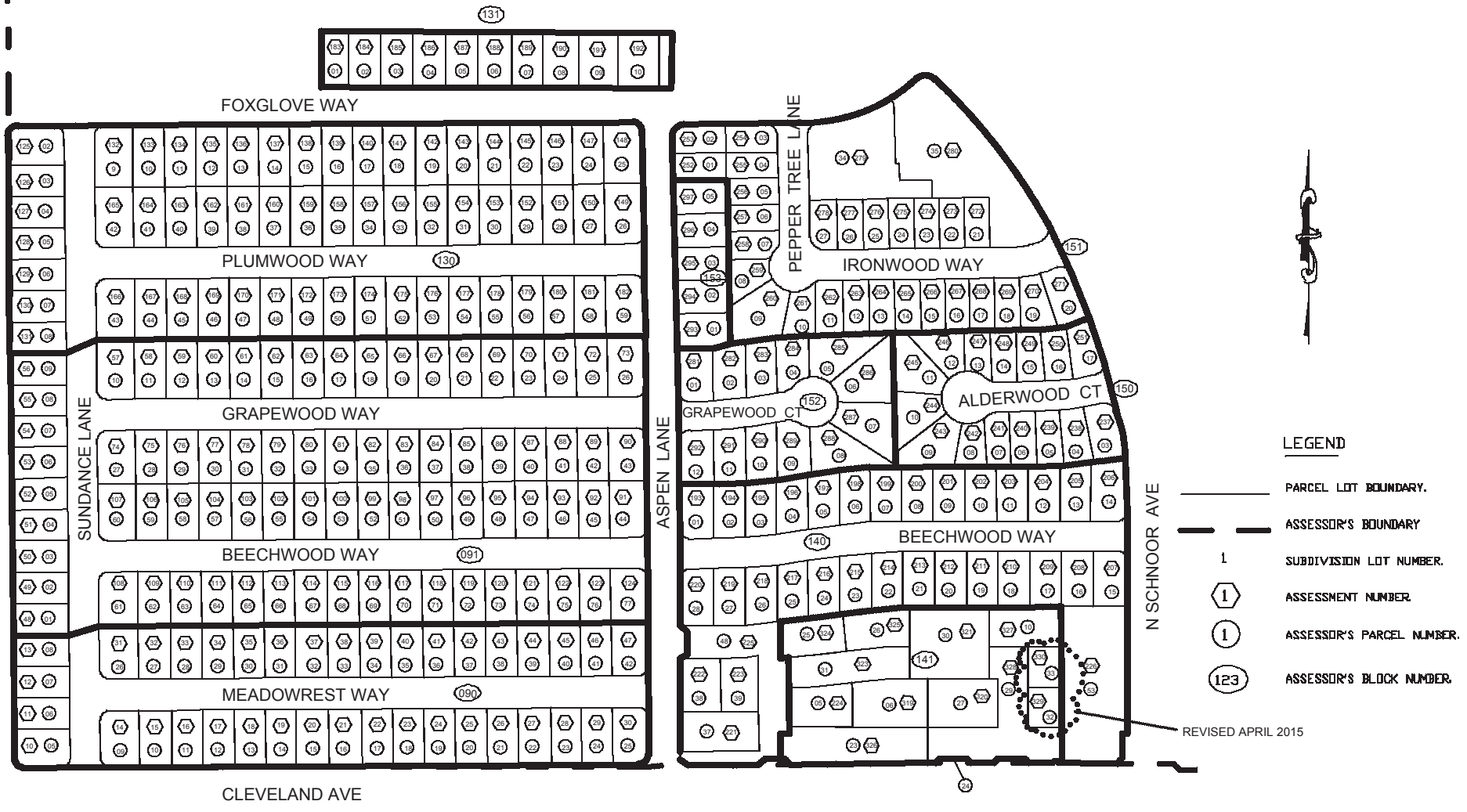


AN 18" X 26" VERSION OF THIS MAP PRIOR TO THE REVISION NOTED ABOVE HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 2 (PAGE 1-2)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

PAGE 1 OF 2

CITY OF MADERA
PHEASANT RUN / NORTHWEST ESTATES
REV. APRIL 2015



AN 18" X 26" VERSION OF THIS MAP PRIOR TO THE REVISION NOTED ABOVE HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

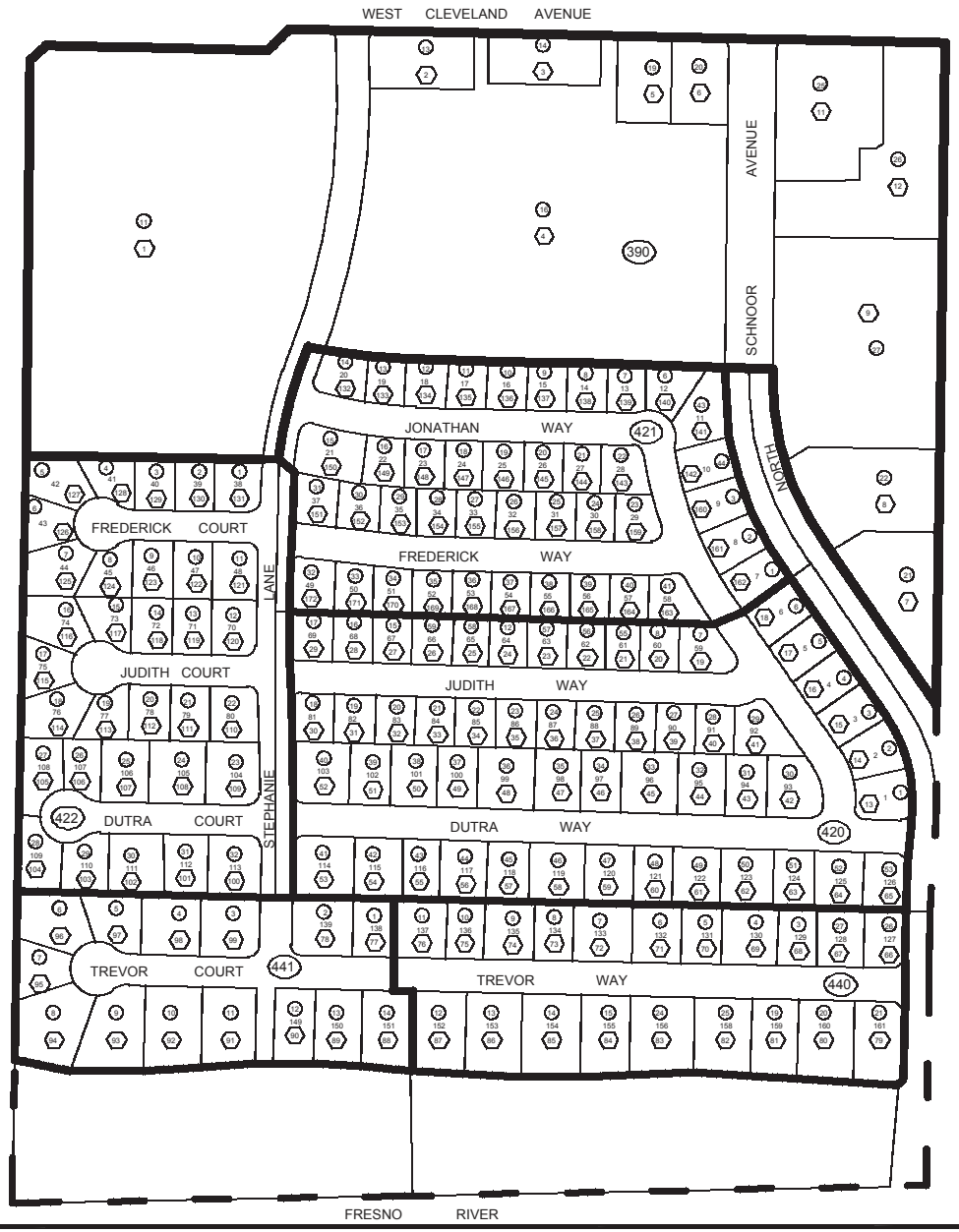
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 2 (PAGE 2-2)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

PAGE 2 OF 2

CITY OF MADERA

PHEASANT RUN / NORTHWEST ESTATES

REV. APRIL 2015



N

LEGEND

———	PARCEL LOT BOUNDARY.
- - -	ASSESSOR'S BOUNDARY
1	SUBDIVISION LOT NUMBER.
(1)	ASSESSMENT NUMBER.
1	ASSESSOR'S PARCEL NUMBER.
(123)	ASSESSOR'S BLOCK NUMBER.

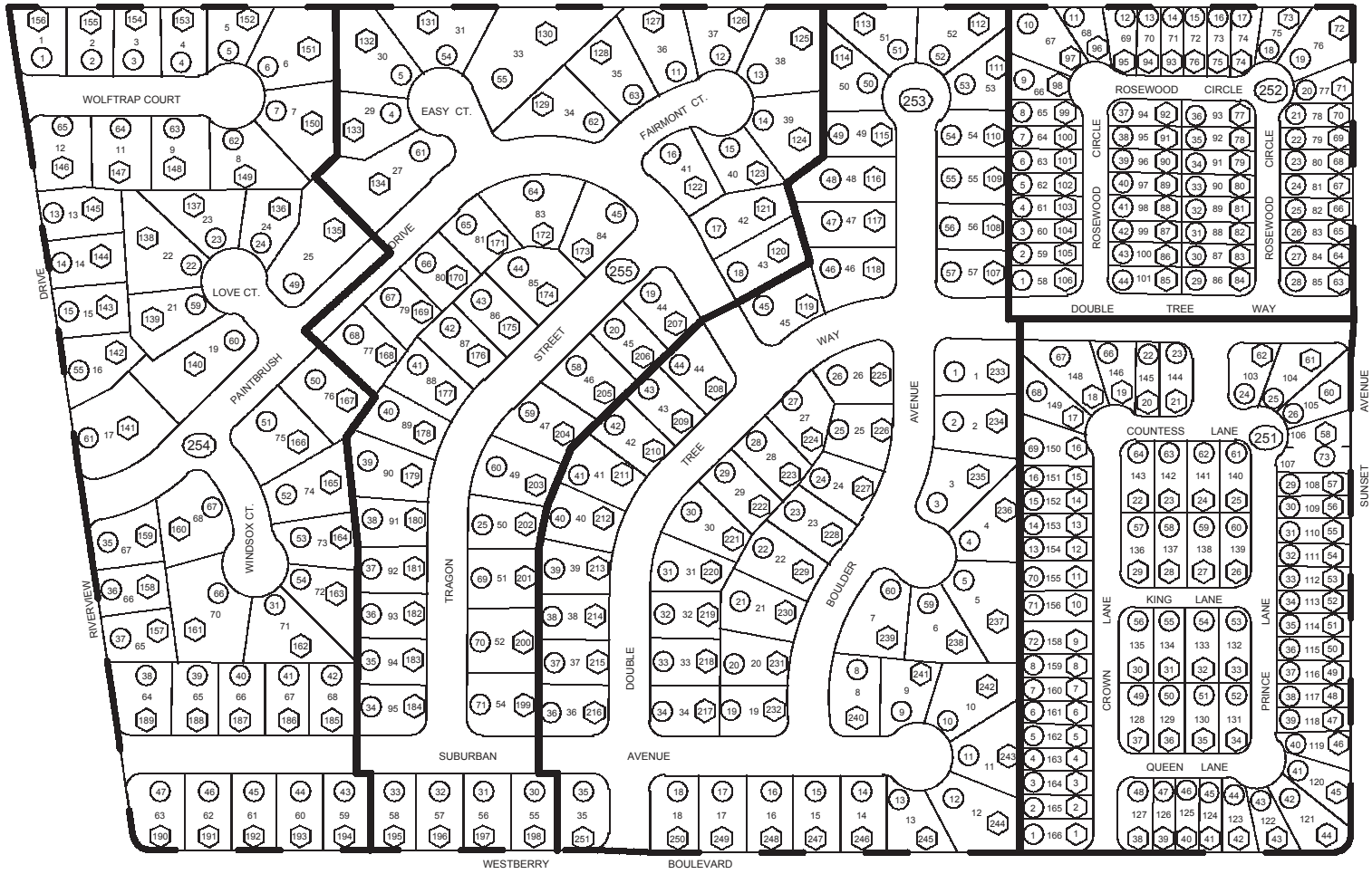
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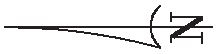
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 3
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

MANSIONETTE ESTATES 1, 2, & 3

REV. APRIL 2015





LEGEND

———	PARCEL LOT BOUNDARY.
— — —	ASSESSOR'S BOUNDARY
1	SUBDIVISION LOT NUMBER.
(1)	ASSESSMENT NUMBER.
1	ASSESSOR'S PARCEL NUMBER.
(123)	ASSESSOR'S BLOCK NUMBER.

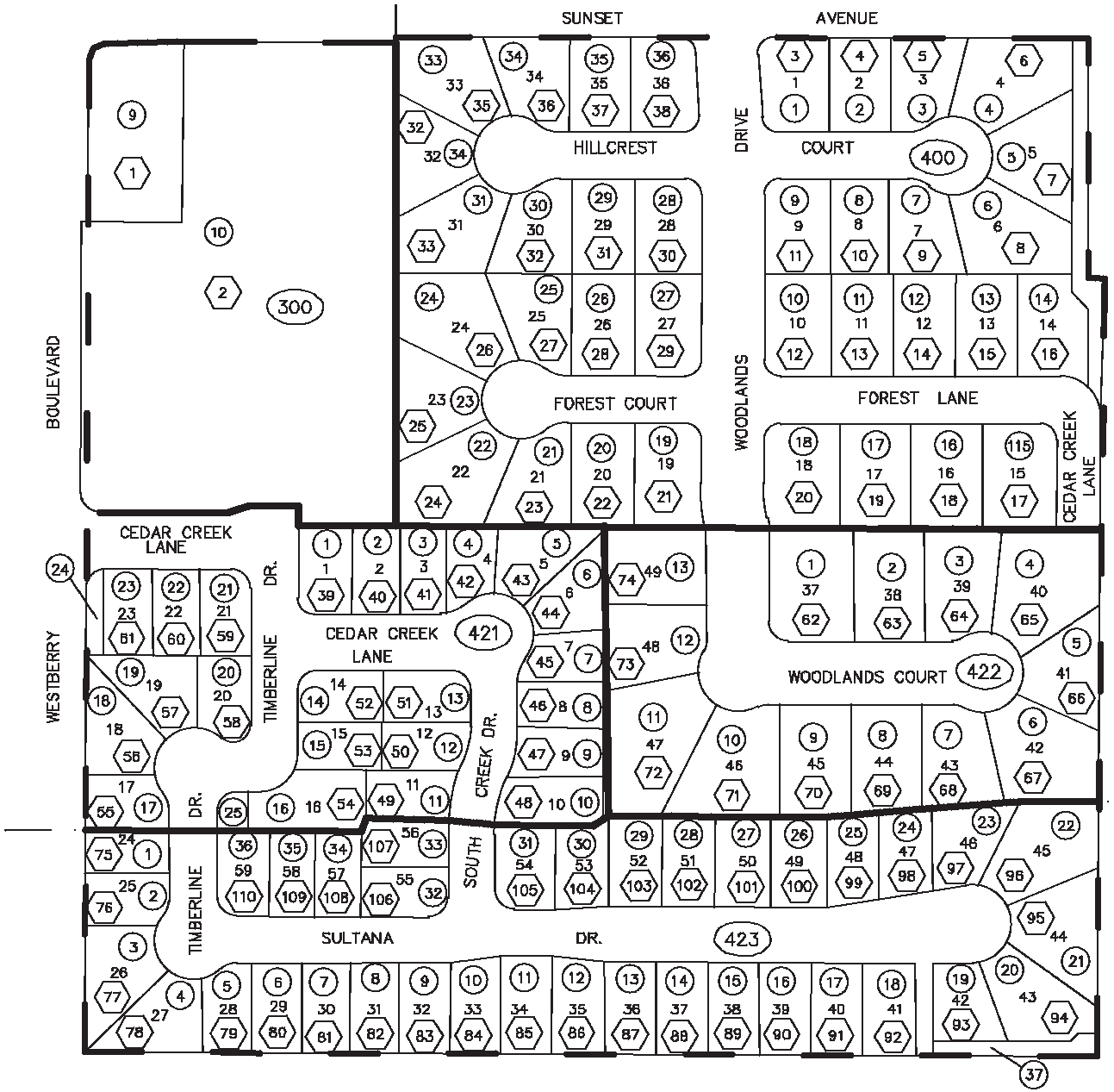
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ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 4
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

WESTGATE NORTHWEST 1 & 2

REV. JULY 2011



N

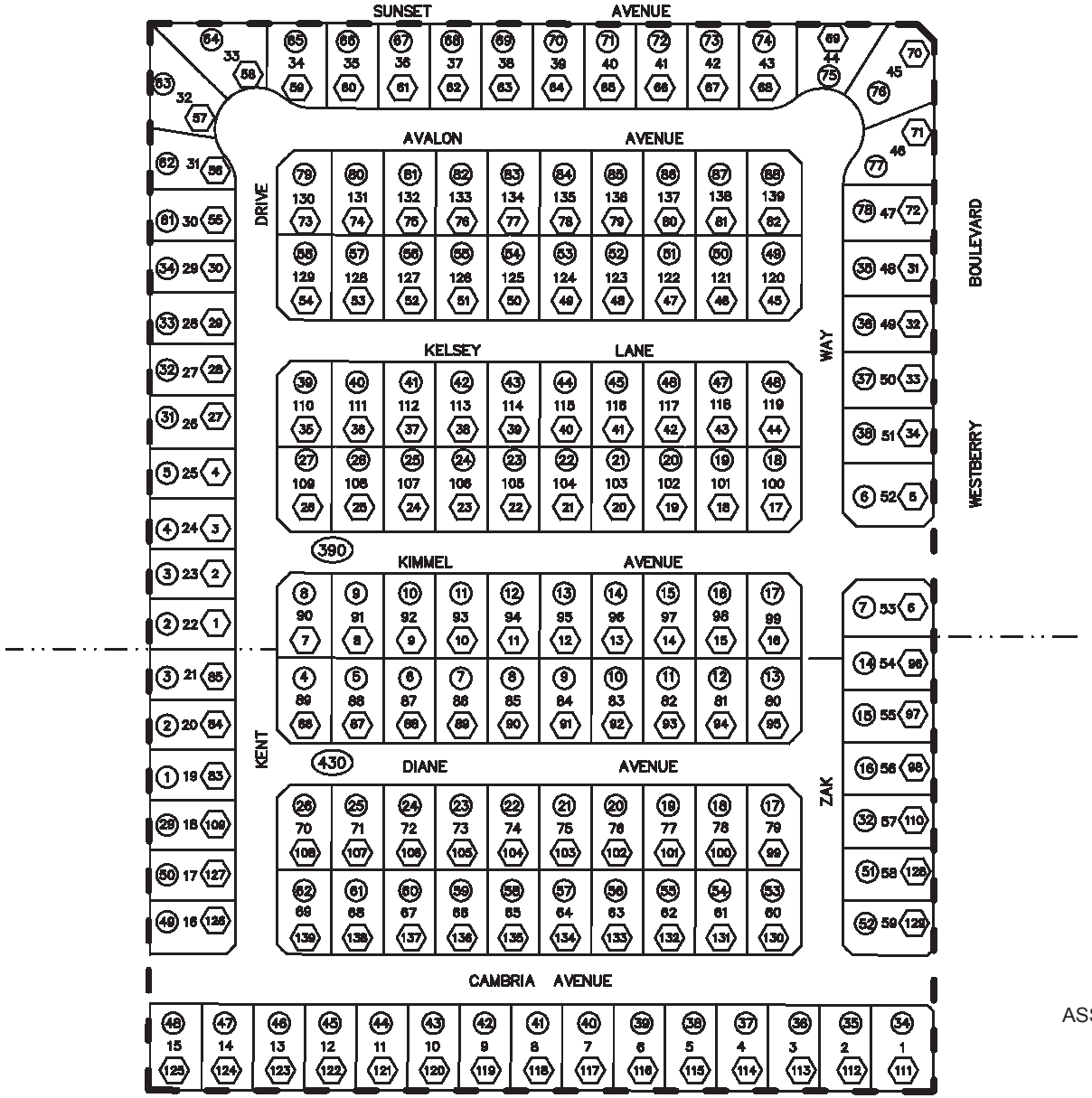
LEGEND

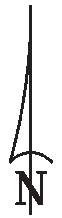
- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 6A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
WOODLAND HILLS/BASILA
REV. JULY 2011





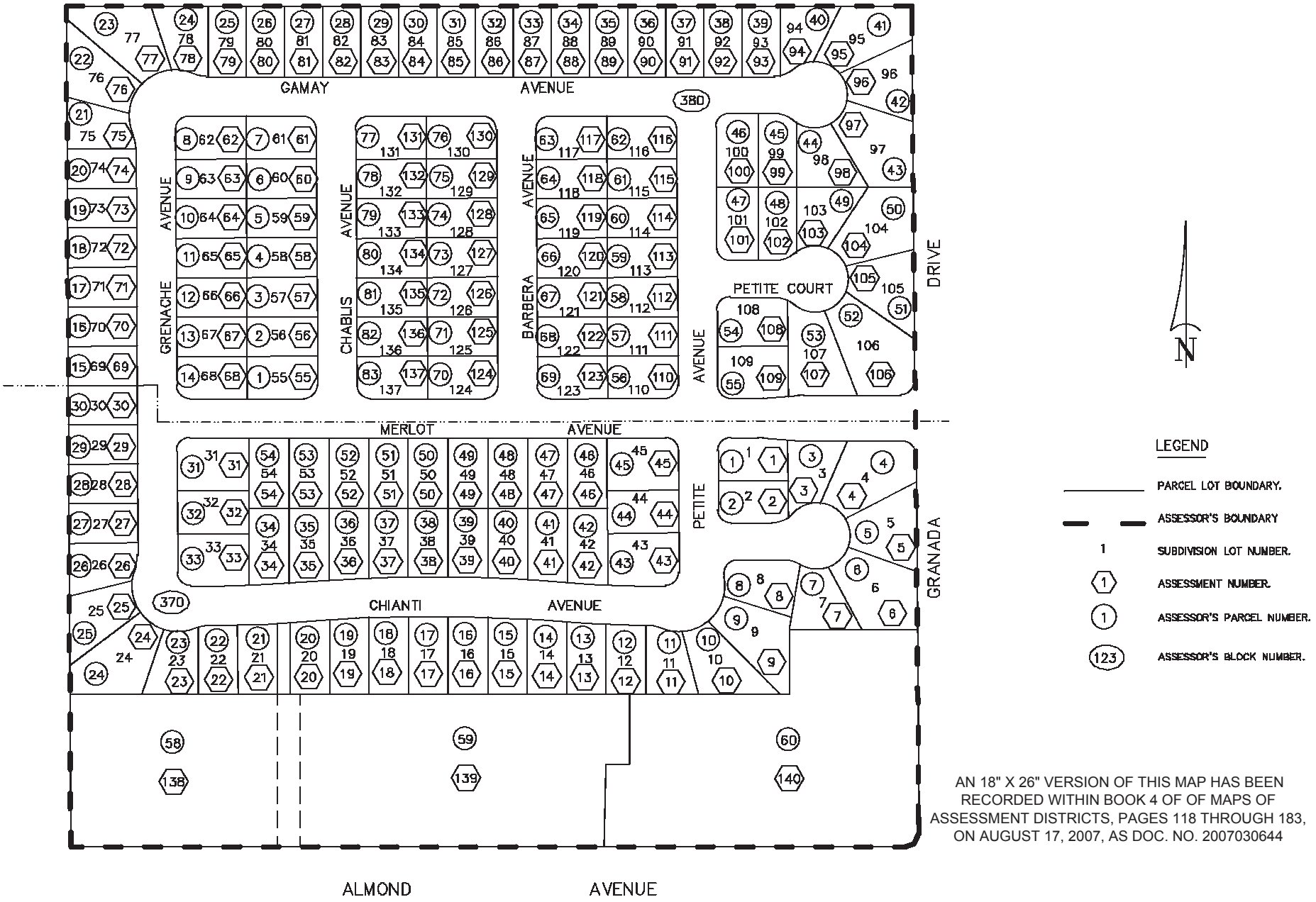
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 6B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

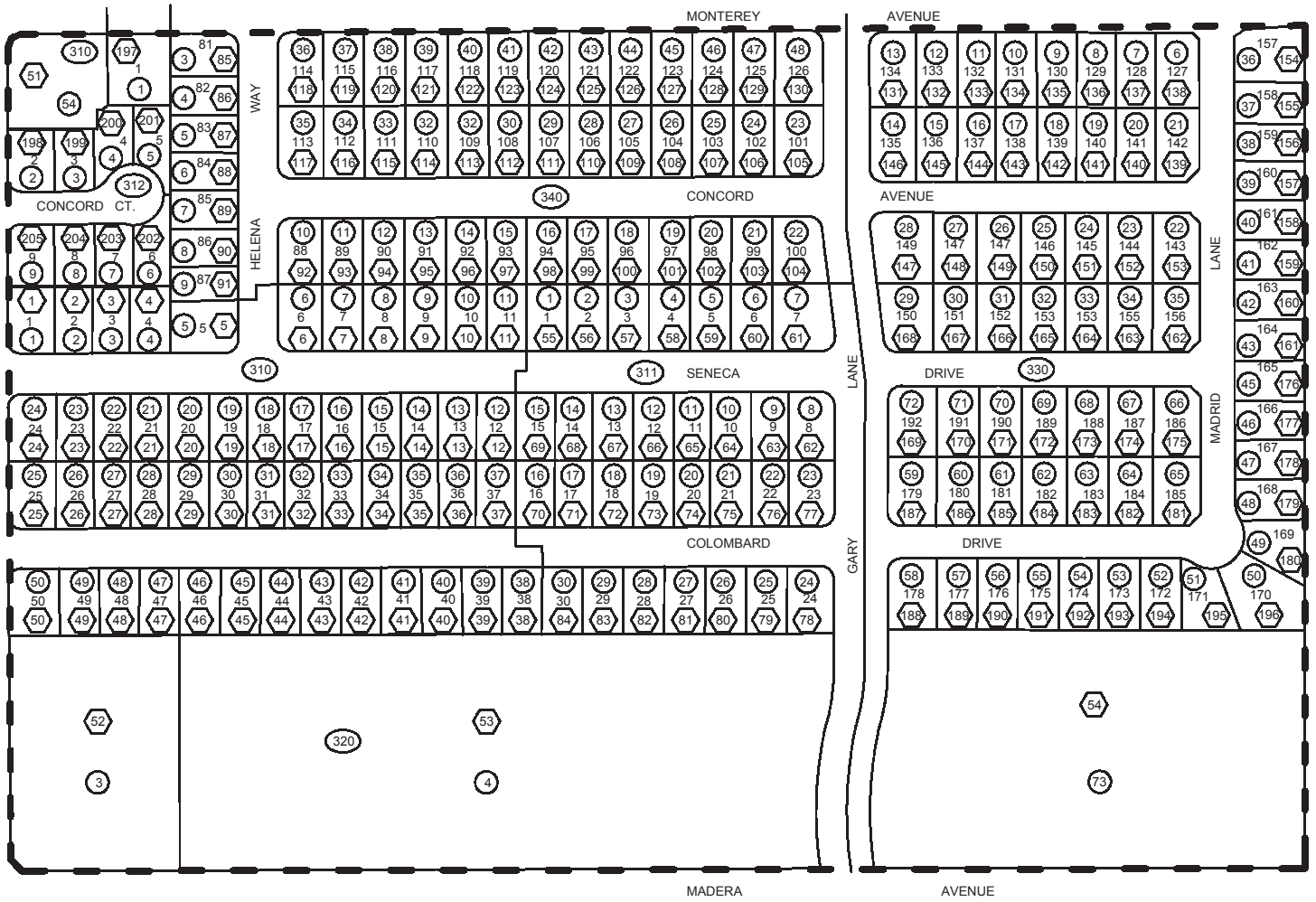
CITY OF MADERA
SUNSET SOUTHWEST I, II, III, IV & V
REV. JULY 2008

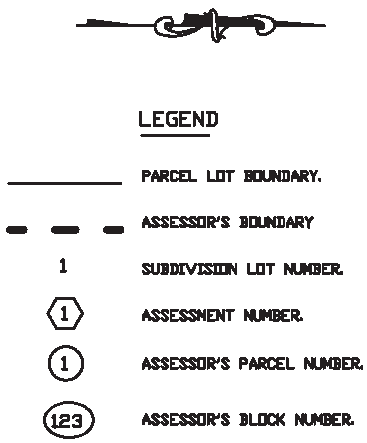


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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 7
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
TOWN AND COUNTRY ESTATES
REV. JULY 2011





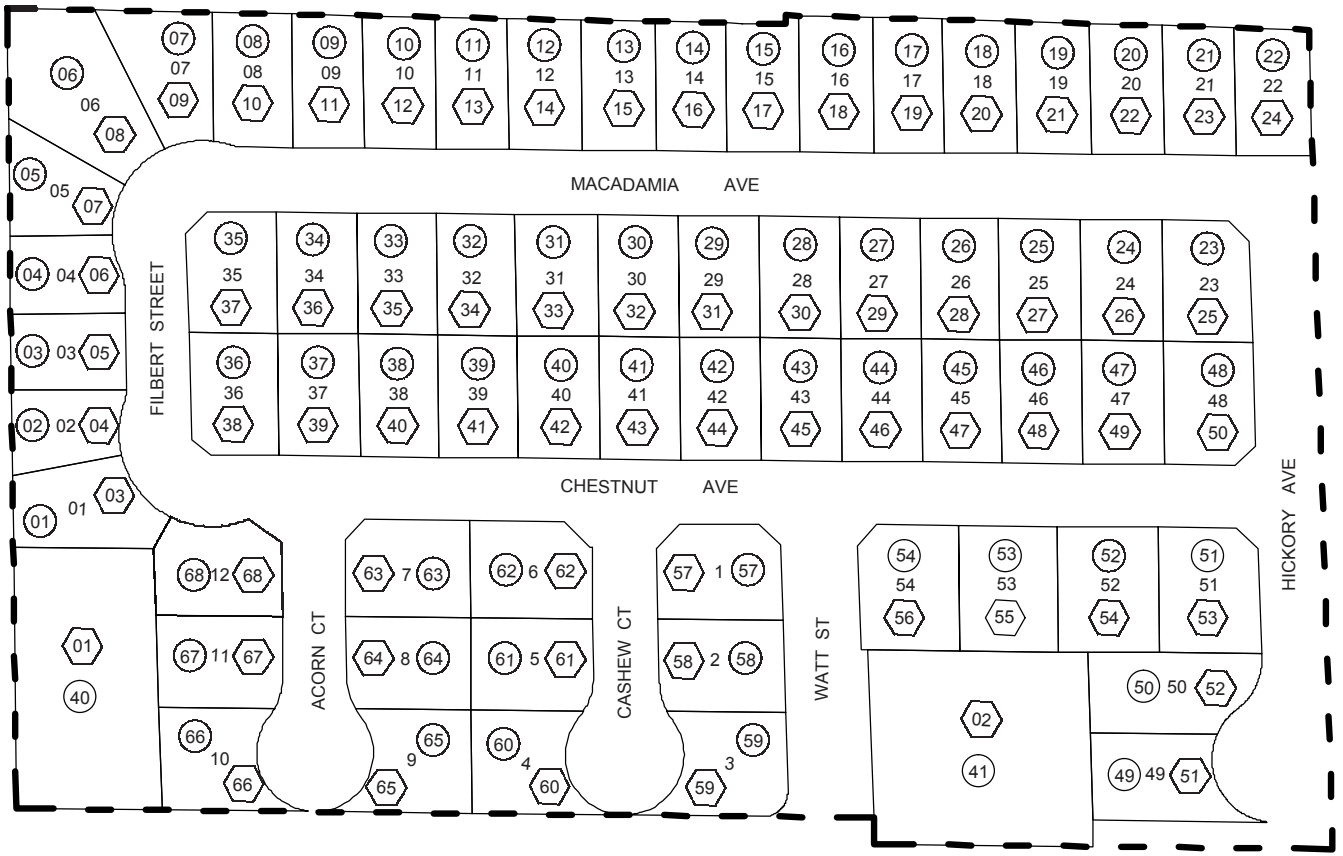
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 8
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

VINEYARD ESTATES 2, 3, 4 & 5

REV. JULY 2008





LEGEND

PARCEL LOT BOUNDARY.

ASSESSOR'S BOUNDARY

1 SUBDIVISION LOT NUMBER.

(1) ASSESSMENT NUMBER.

1 ASSESSOR'S PARCEL NUMBER.

123 ASSESSOR'S BLOCK NUMBER.

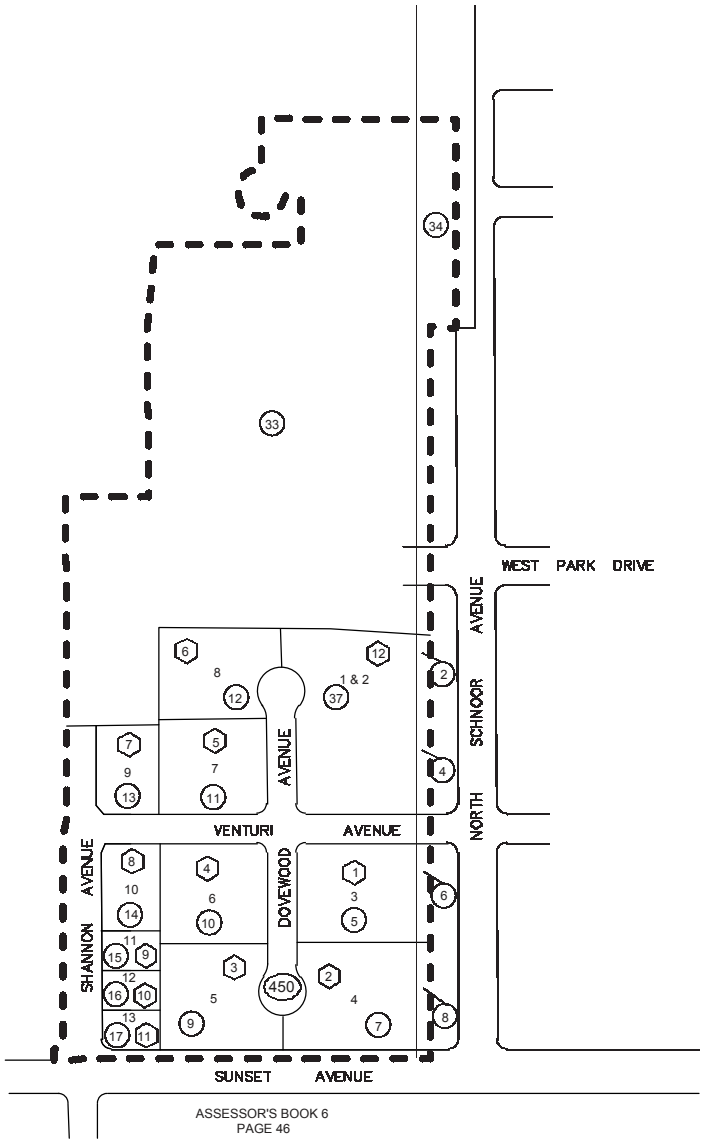
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 9
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

ORCHARD ESTATES SUBDIVISION

REV. JULY 2011





LEGEND

PARCEL LOT BOUNDARY.

ASSESSOR'S BOUNDARY

1 SUBDIVISION LOT NUMBER.

(1) ASSESSMENT NUMBER.

1 ASSESSOR'S PARCEL NUMBER.

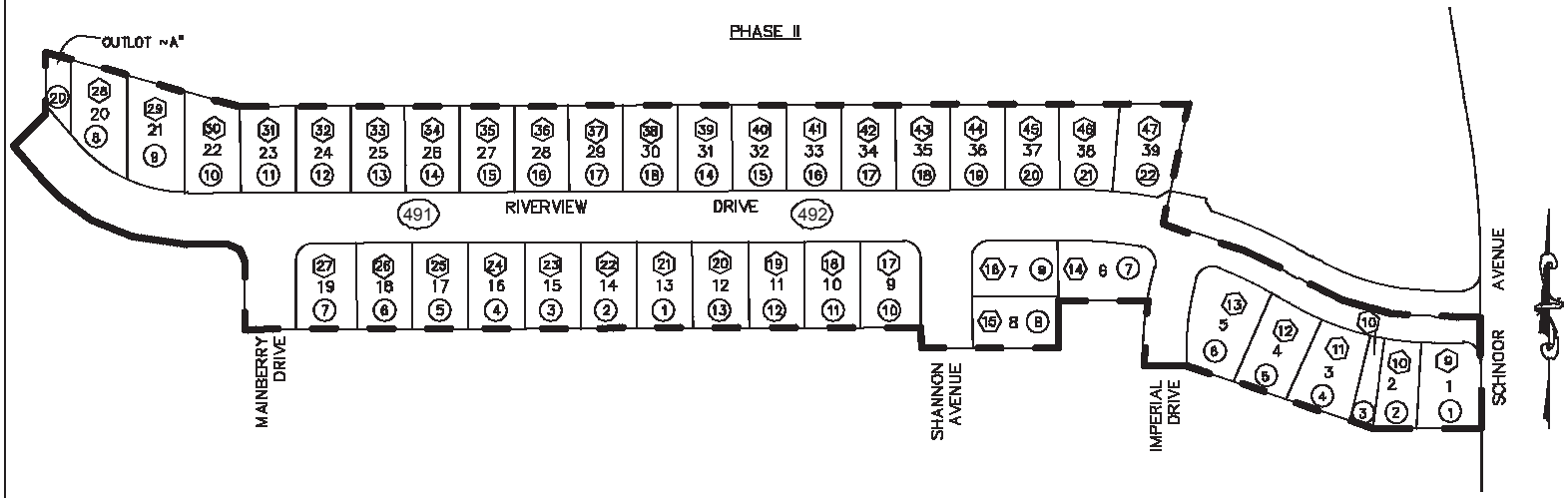
123 ASSESSOR'S BLOCK NUMBER.

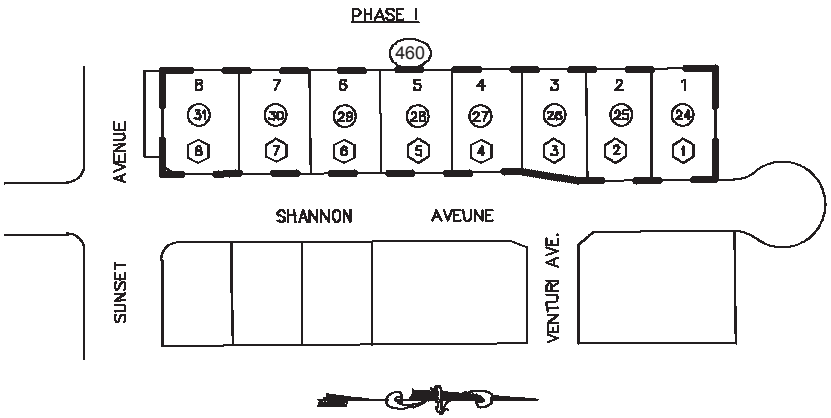
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

VENTURI SUBDIVISION

REV. JULY 2011





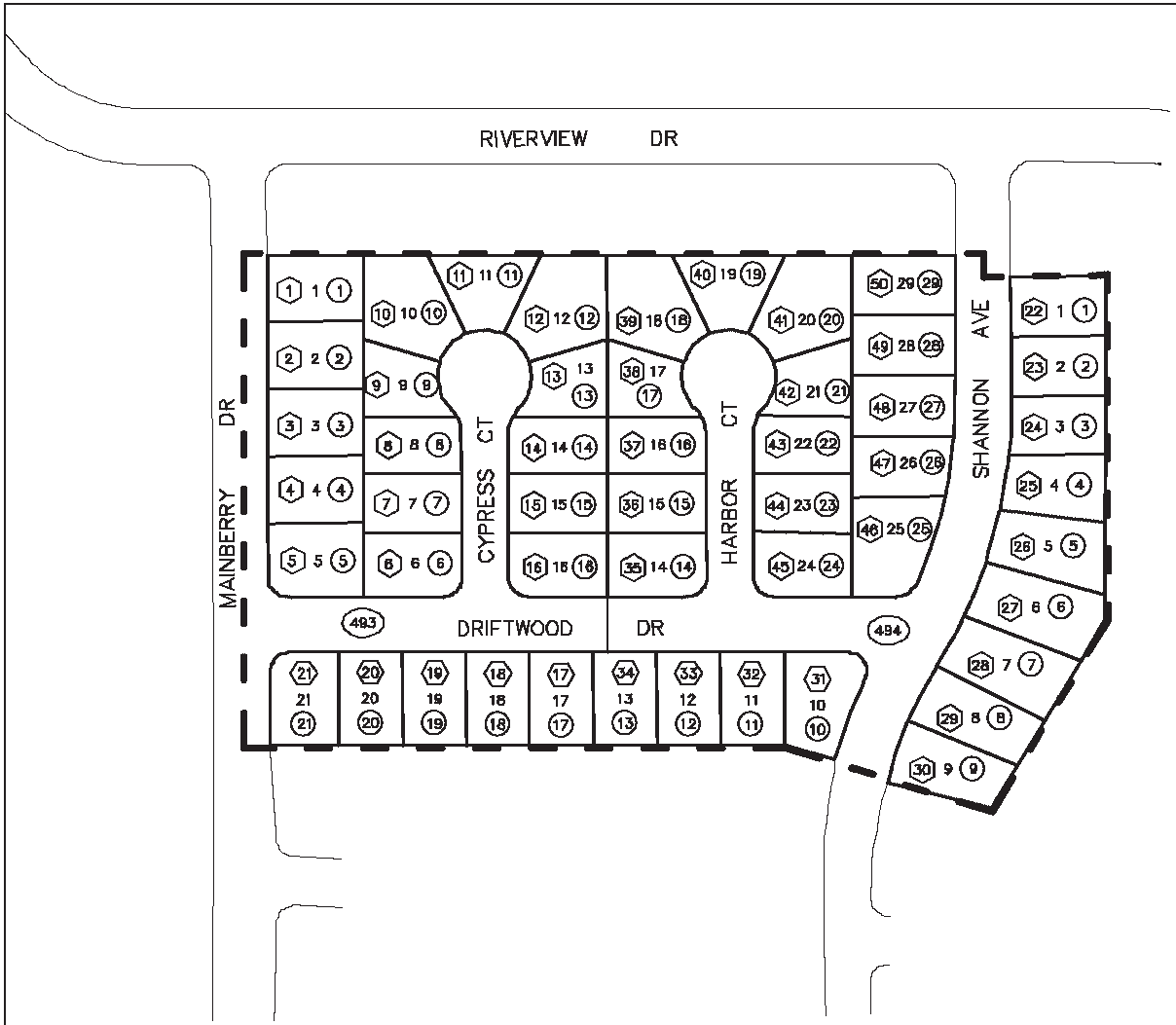
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
PEBBLE BEACH I & II
REV. JULY 2011



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

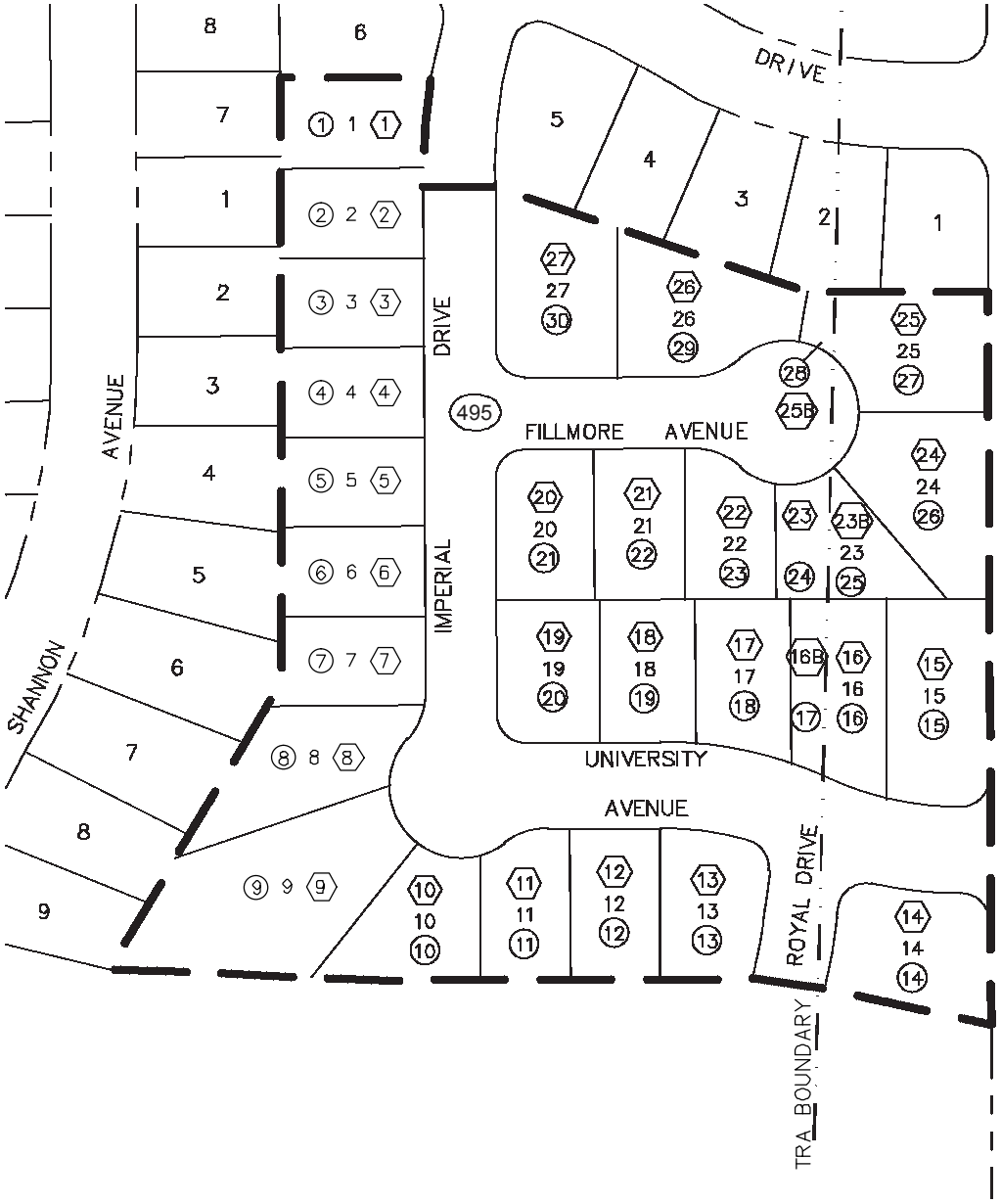
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ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

PEBBLE BEACH ESTATES
PHASES 3 and 4

REV. JULY 2011



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

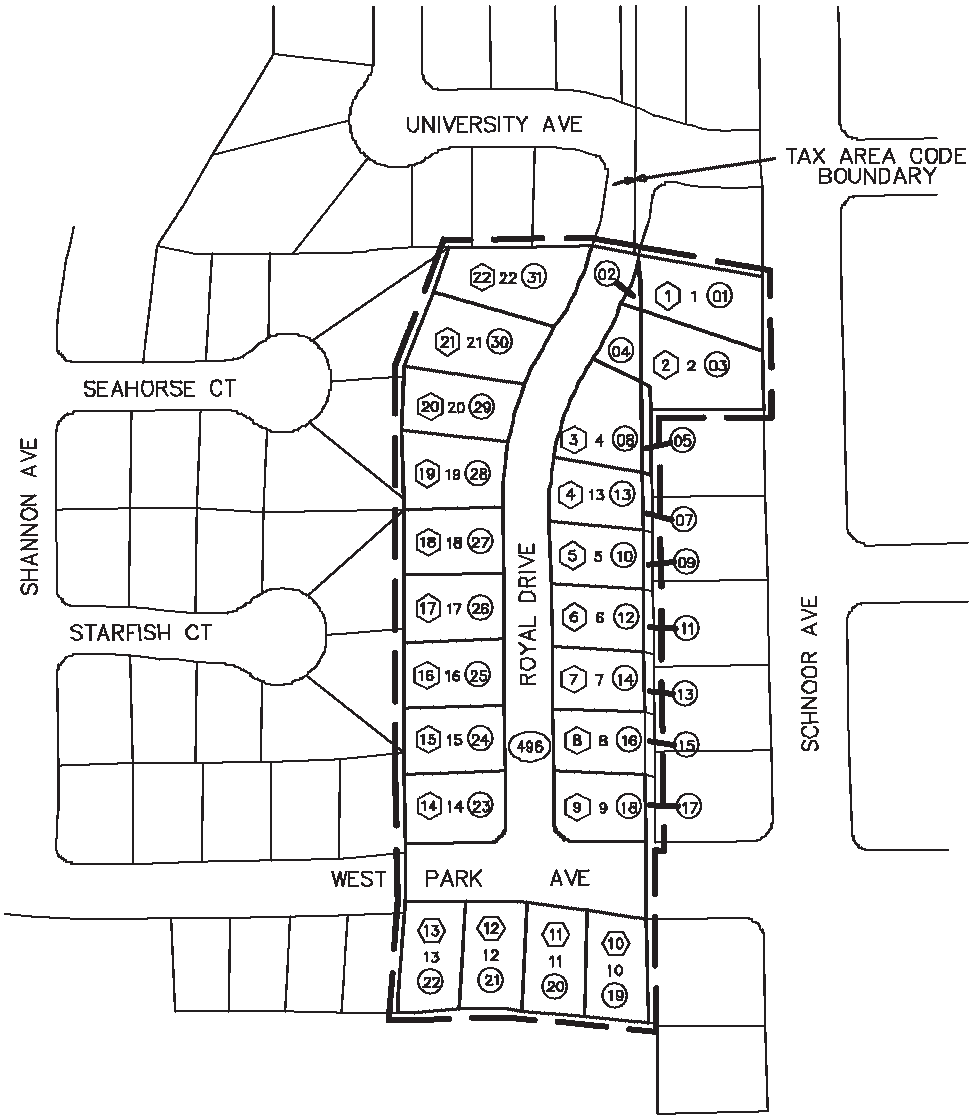
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10D
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

PEBBLE BEACH V

REV. JULY 2011



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 — SUBDIVISION LOT NUMBER.
- (1) — ASSESSMENT NUMBER.
- (1) — ASSESSOR'S PARCEL NUMBER.
- (123) — ASSESSOR'S BLOCK NUMBER.

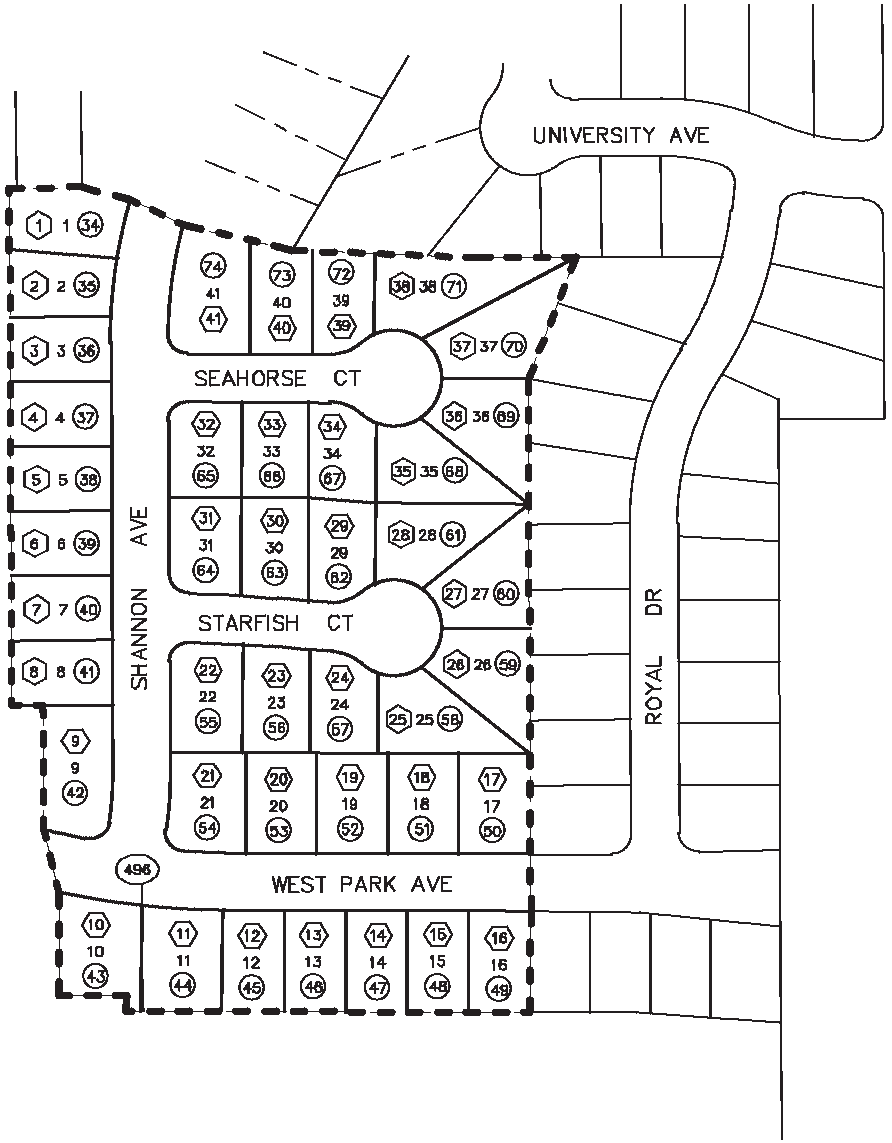
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10E
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

PEBBLE BEACH
PHASE VI
SUBDIVISION

REV. JULY 2011





LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

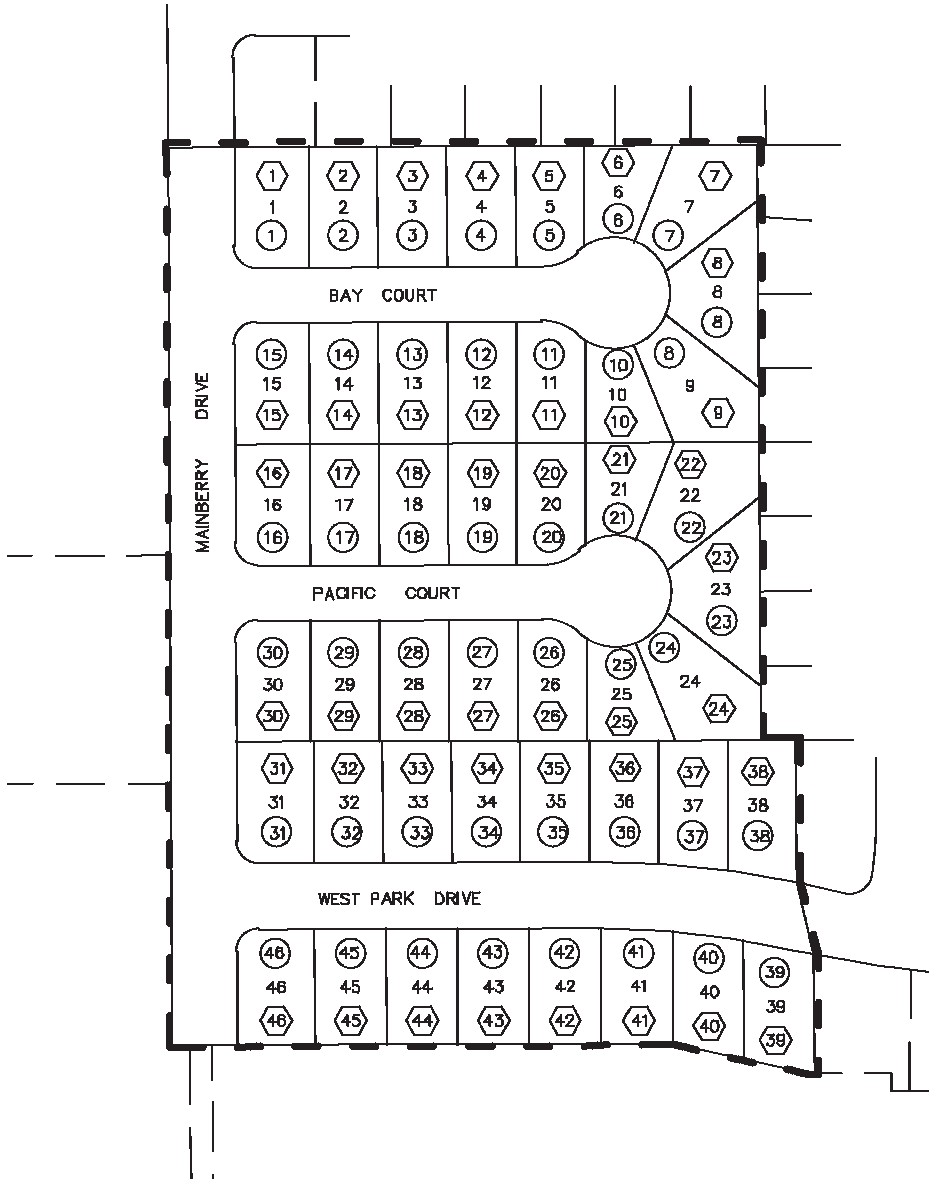
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10F
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

PEBBLE BEACH
PHASE VII
SUBDIVISION

REV. JULY 2011



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

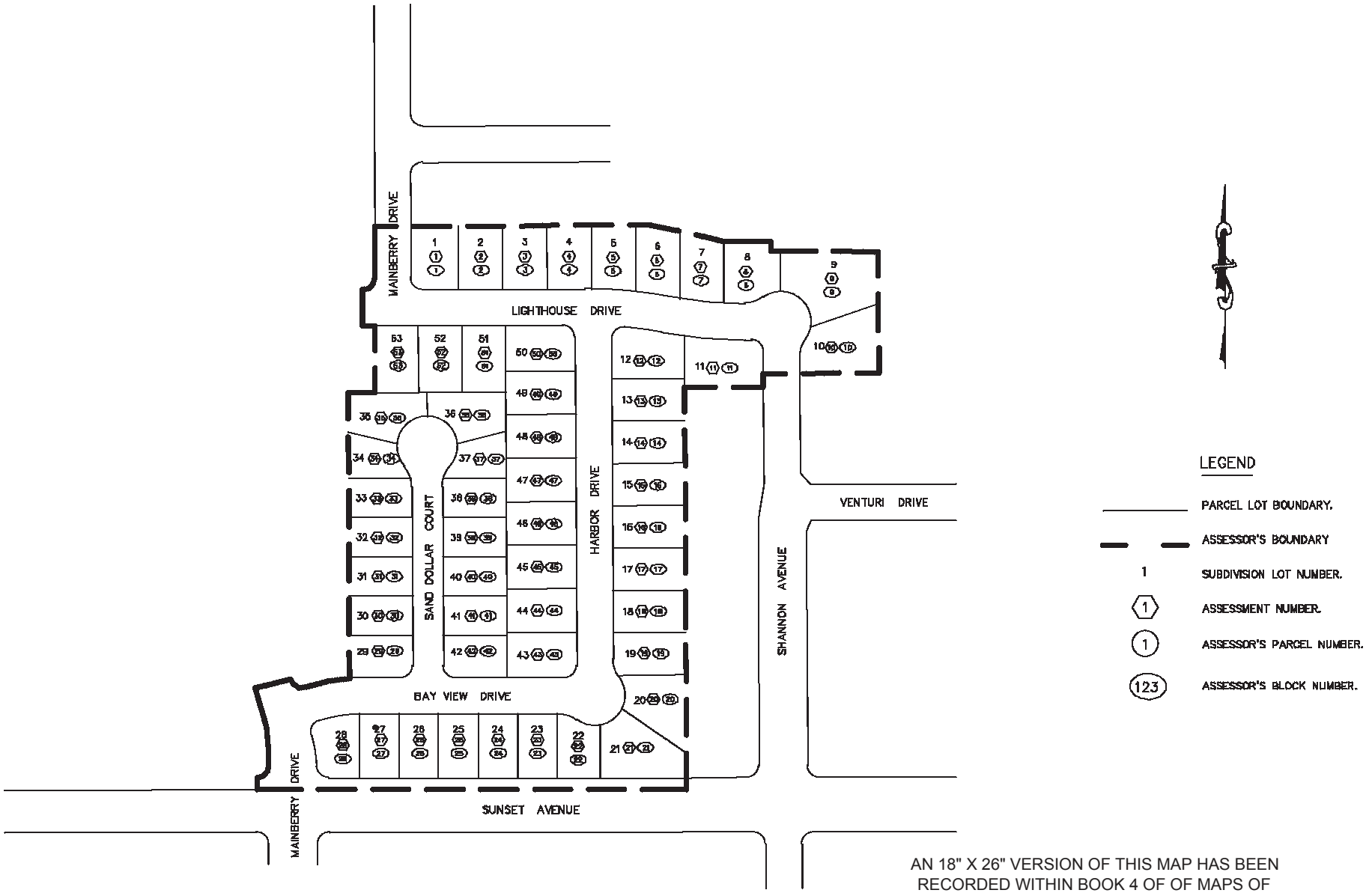
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10G
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

PEBBLE BEACH
PHASE VIII
SUBDIVISION

REV. JULY 2010



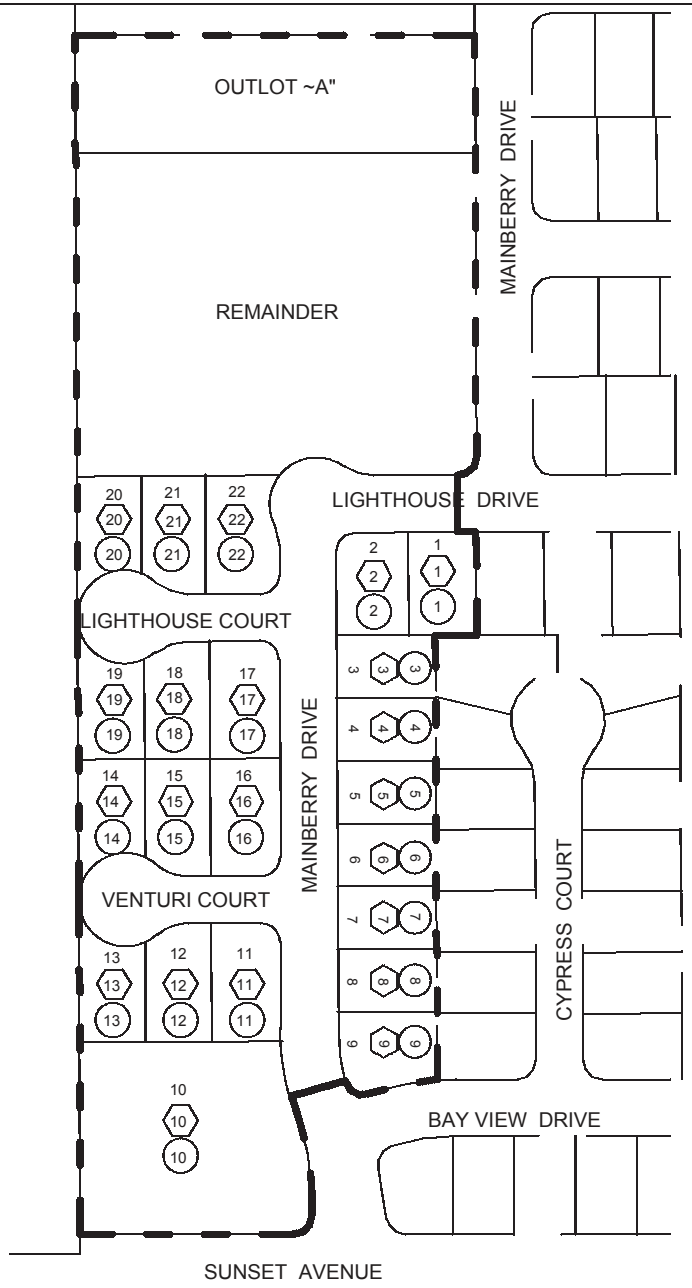
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ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10H
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

PEBBLE BEACH
PHASE IX
SUBDIVISION

REV. JULY 2010





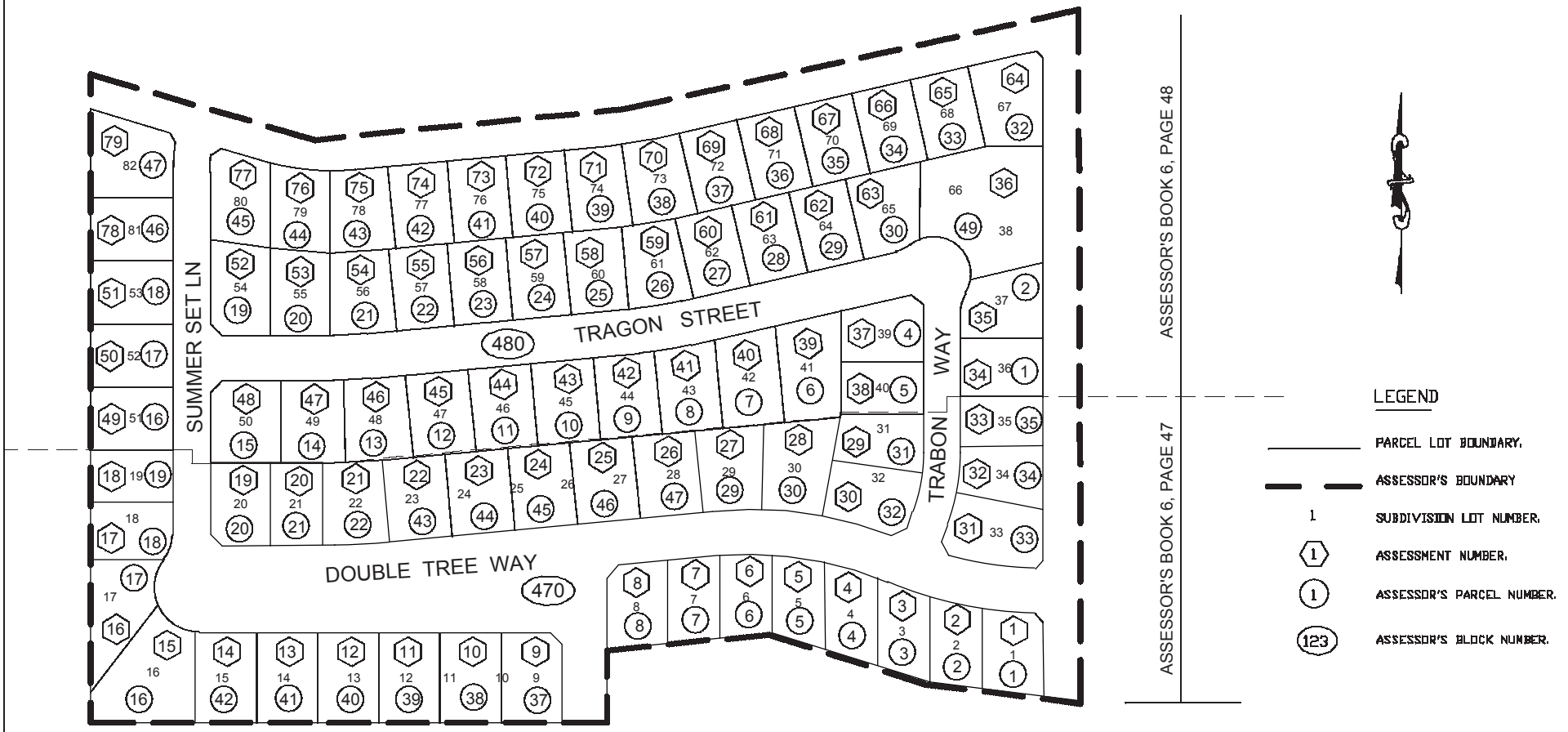
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- 123 ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 10i
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
PEBBLE BEACH
PHASE X
REV. JULY 2010



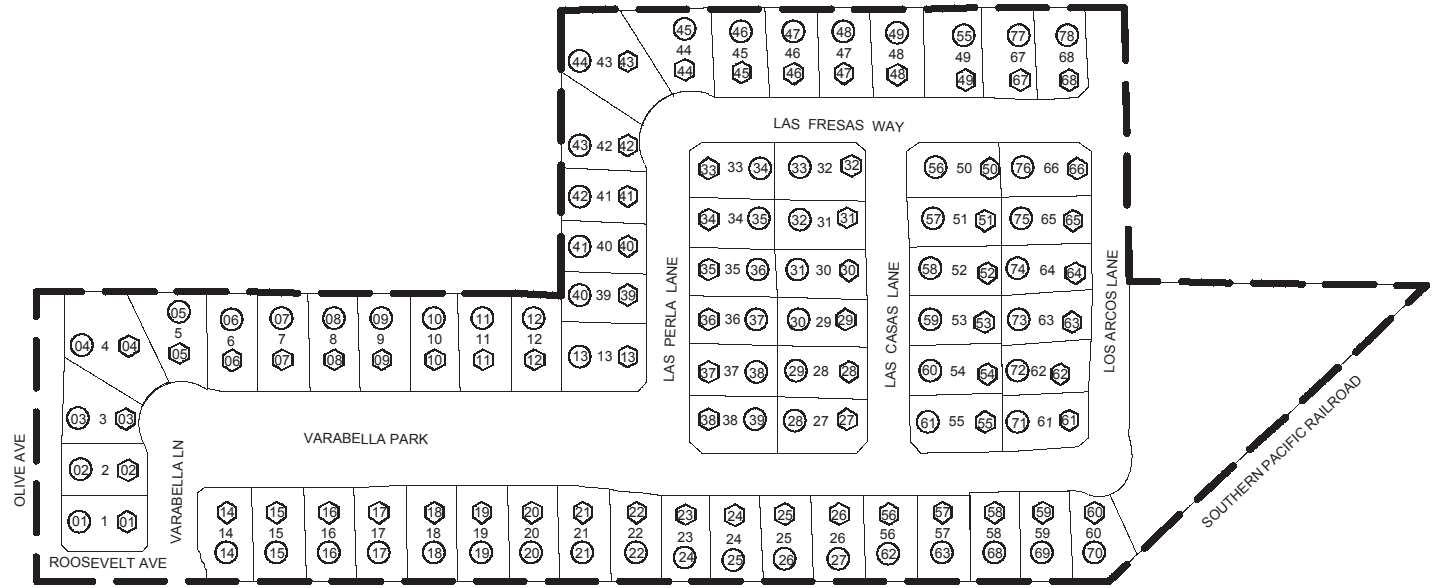
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ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 12
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

FRENCH COVE
1 AND 2

REV. JULY 2010



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

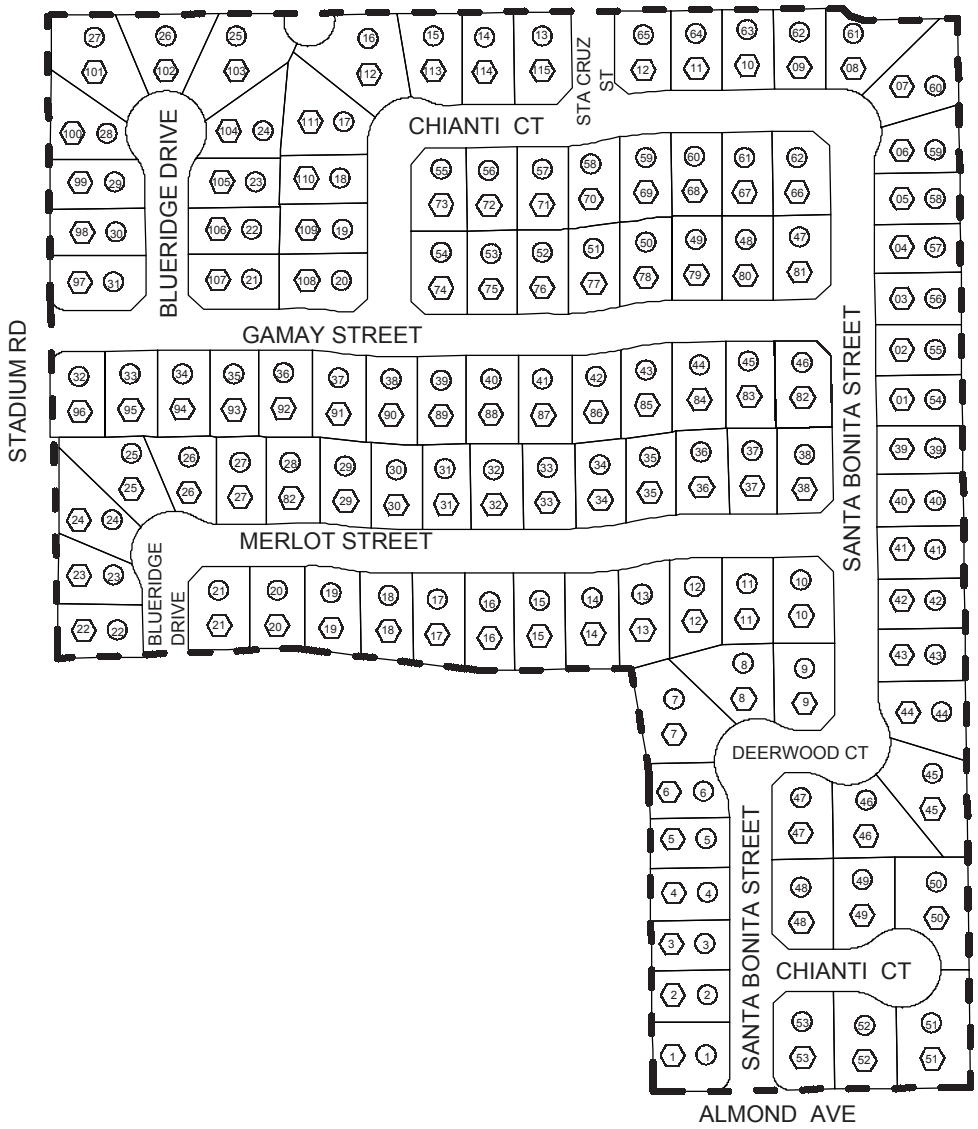
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ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 13
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

LAS PALMAS ESTATES
1, 2, 3 AND 4

REV. JULY 2010





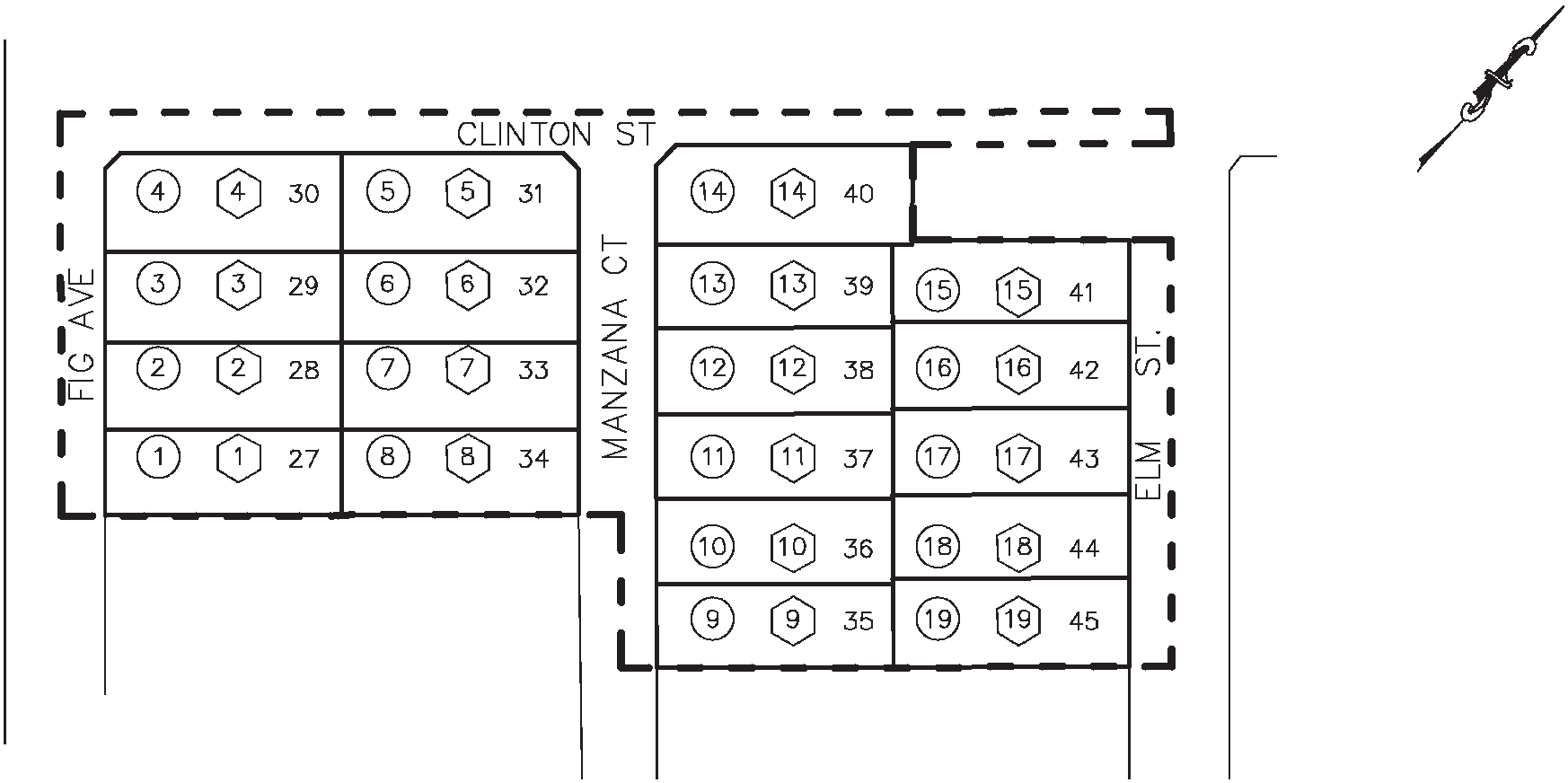
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 14
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CAPISTRANO 1 and 2 SUBDIVISION
REV. JULY 2010



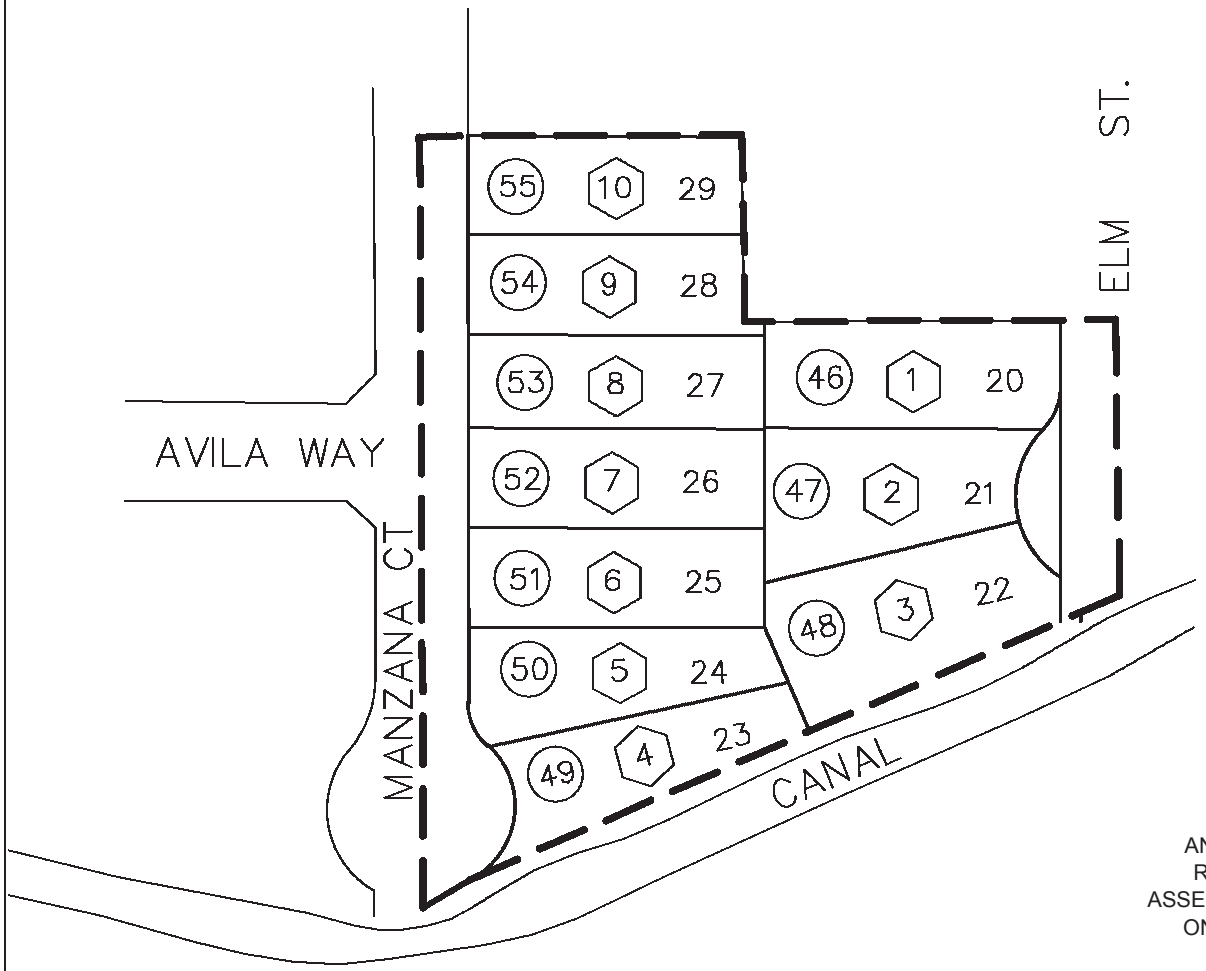
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LEGEND

———	PARCEL LOT BOUNDARY
— —	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
(1)	ASSESSMENT NUMBER
(1)	ASSESSOR'S PARCEL NUMBER
(101)	ASSESSOR'S BLOCK NUMBER

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 15
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CLINTON ELM RANCHOS
PHASE I
REV. JULY 2010



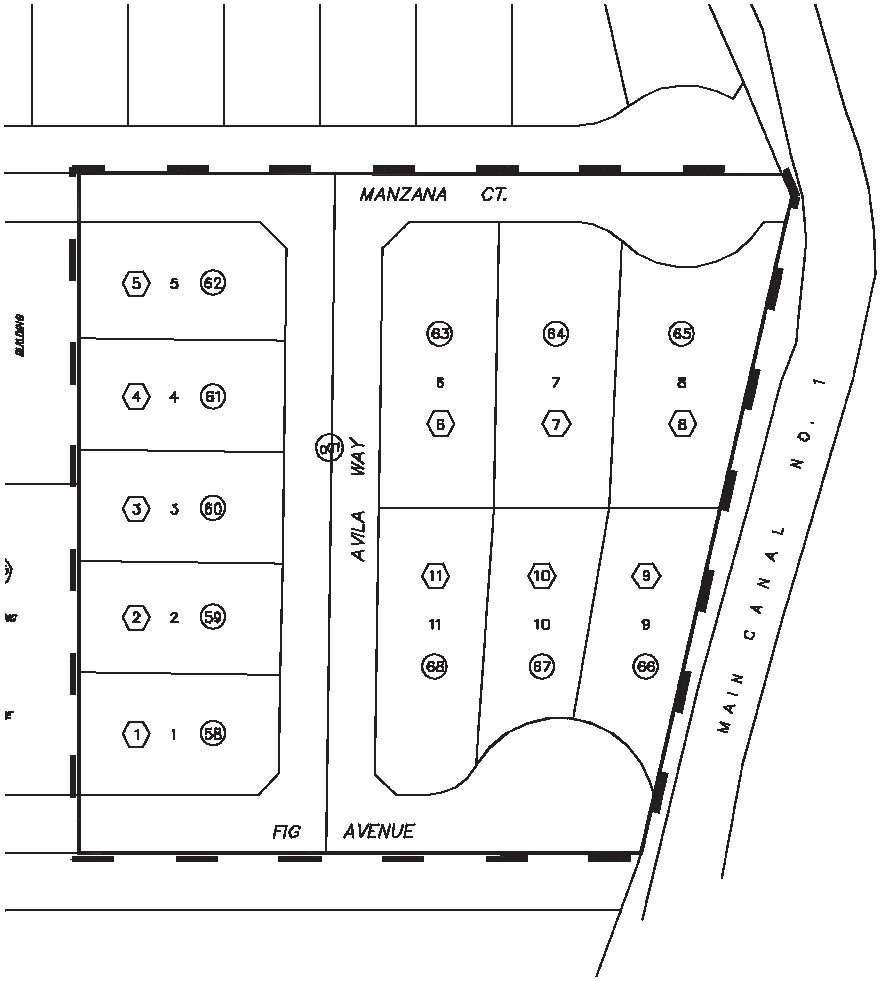
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LEGEND

———	PARCEL LOT BOUNDARY
— — —	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
(1)	ASSESSMENT NUMBER
1	ASSESSOR'S PARCEL NUMBER
101	ASSESSOR'S BLOCK NUMBER

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 15B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CLINTON ELM RANCHOS
PHASE II
REV. JULY 2010



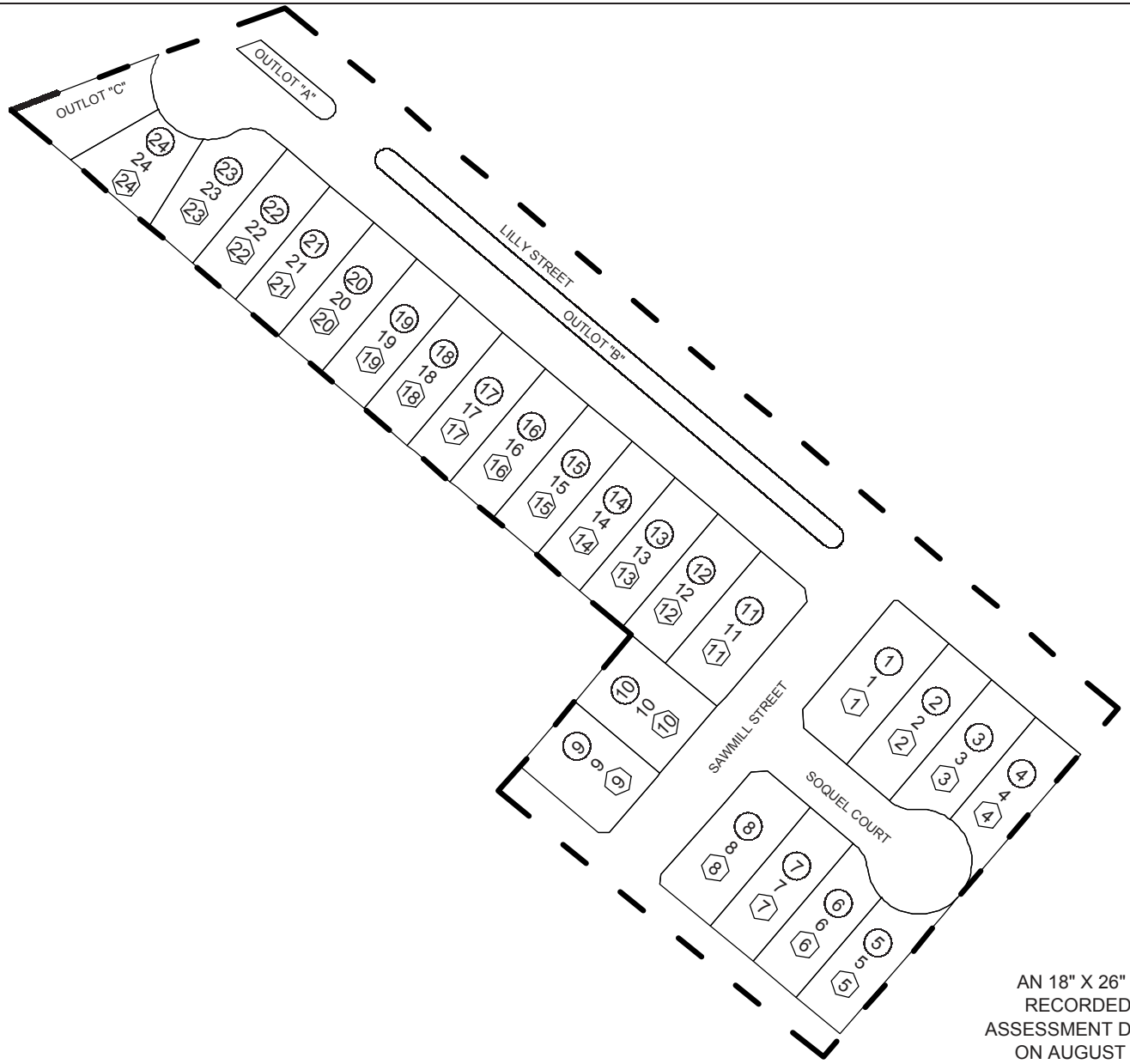
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LEGEND

———	PARCEL LOT BOUNDARY
— — —	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
⬡1	ASSESSMENT NUMBER
(1)	ASSESSOR'S PARCEL NUMBER
(##)	ASSESSOR'S BLOCK NUMBER

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 15C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CLINTON ELM RANCHOS PHASE III
REV. JULY 2010





LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- 123 ASSESSOR'S BLOCK NUMBER.

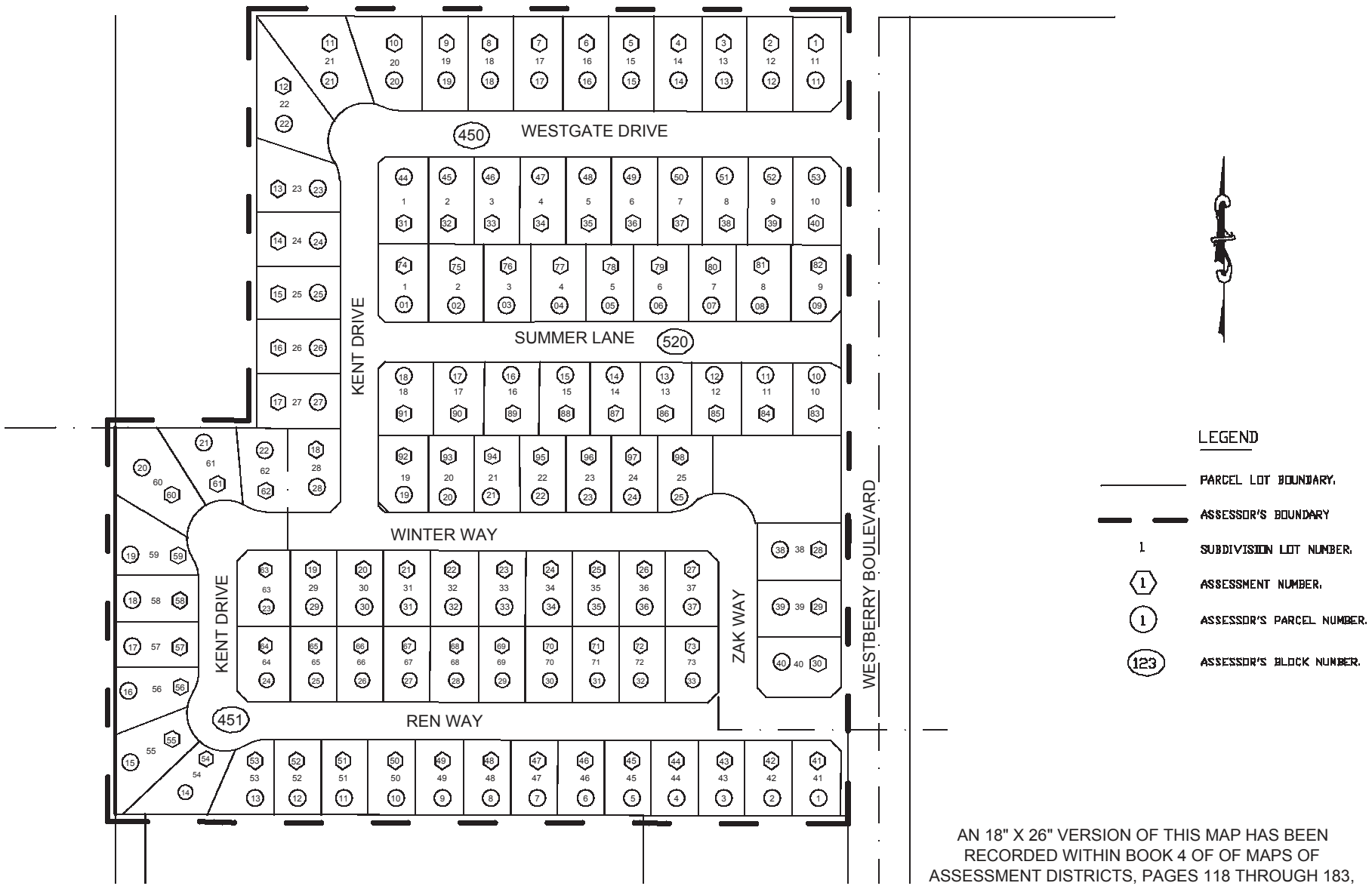
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 16
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

SUGAR PINE ESTATES

REV. JULY 2010



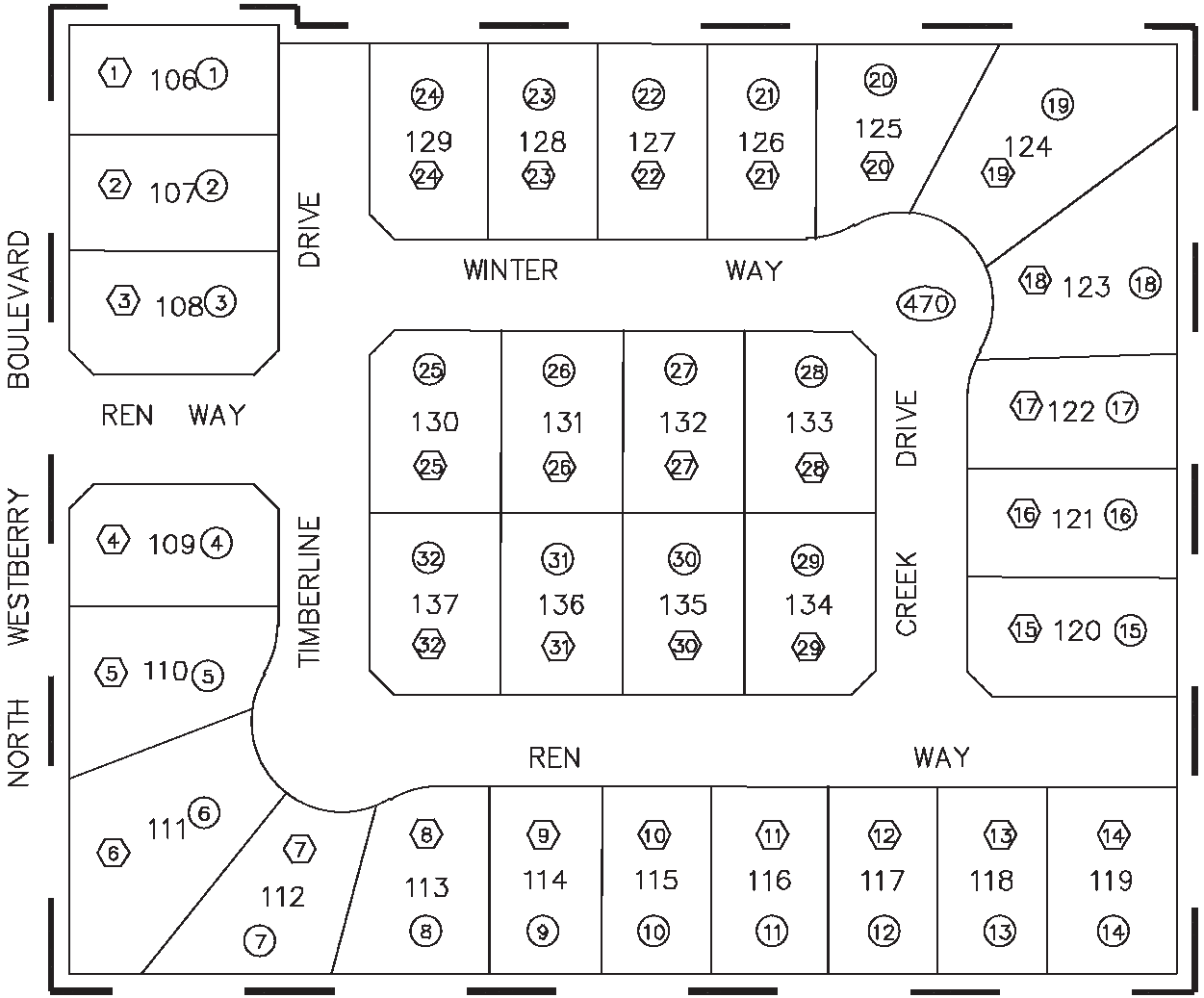
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 17A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CAPISTRANO X
PHASES 1 AND 2

REV. JULY 2010





LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

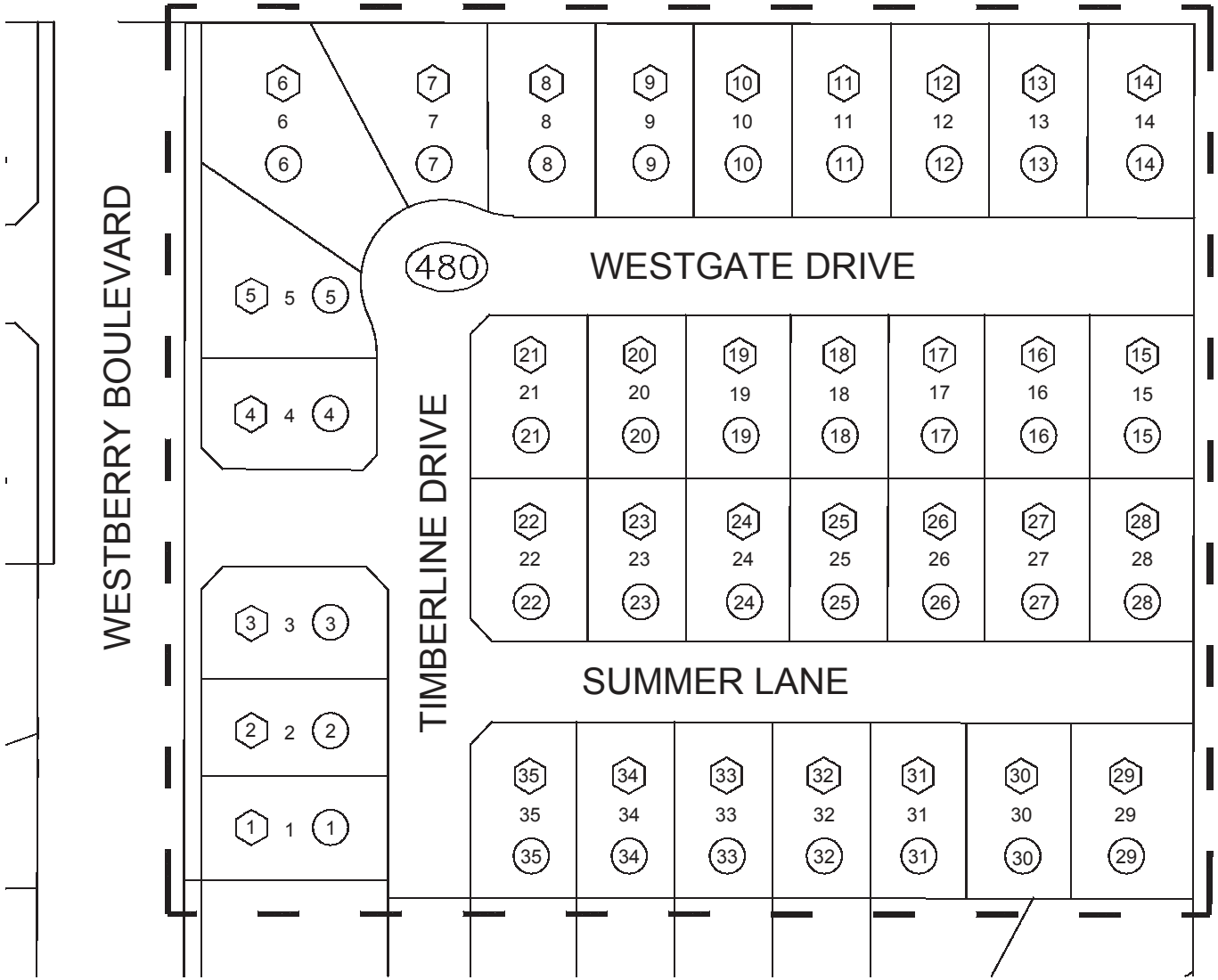
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 17B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CAPISTRANO X
PHASE 3

REV. JULY 2010





LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- 123 ASSESSOR'S BLOCK NUMBER.

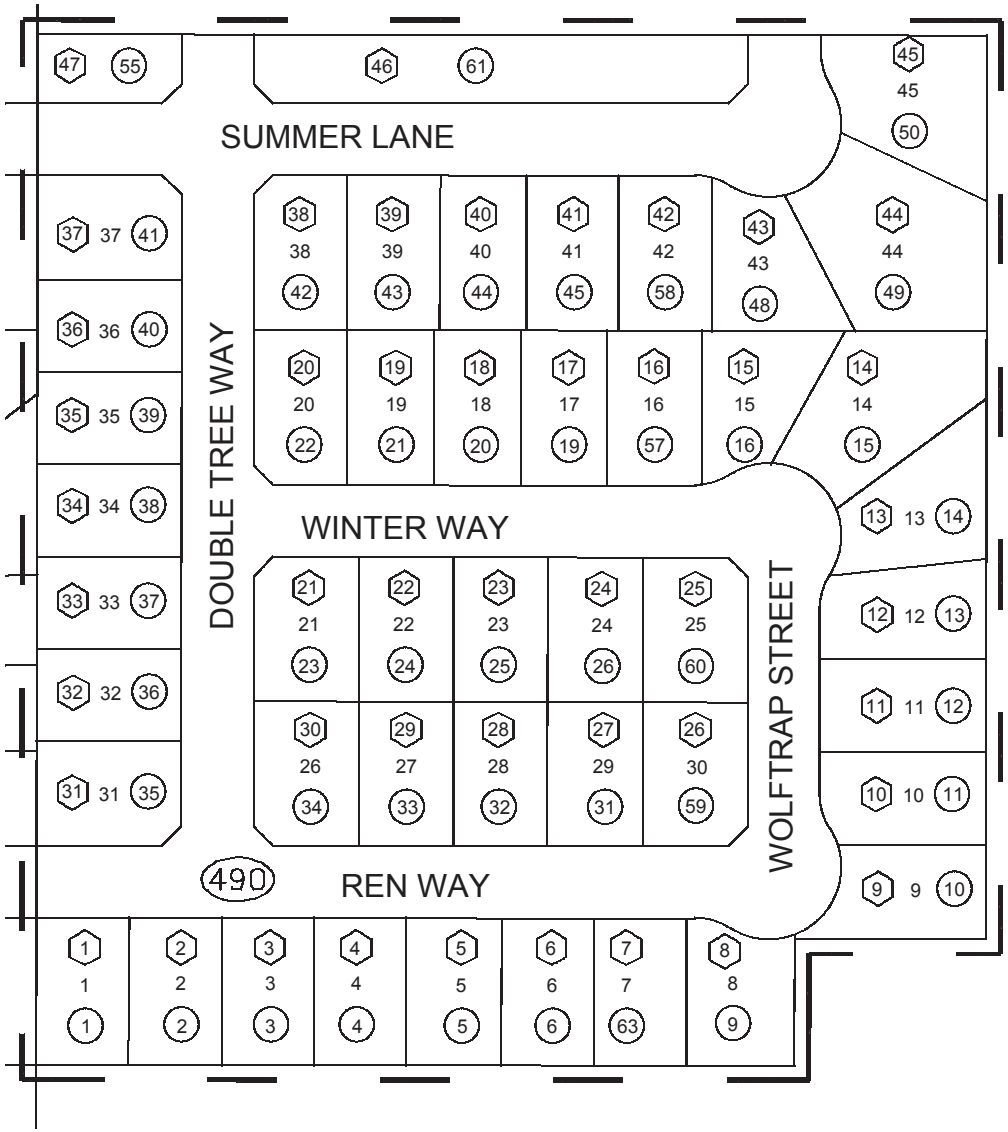
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 17C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CAPISTRANO X
PHASE 4

REV. JULY 2010



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

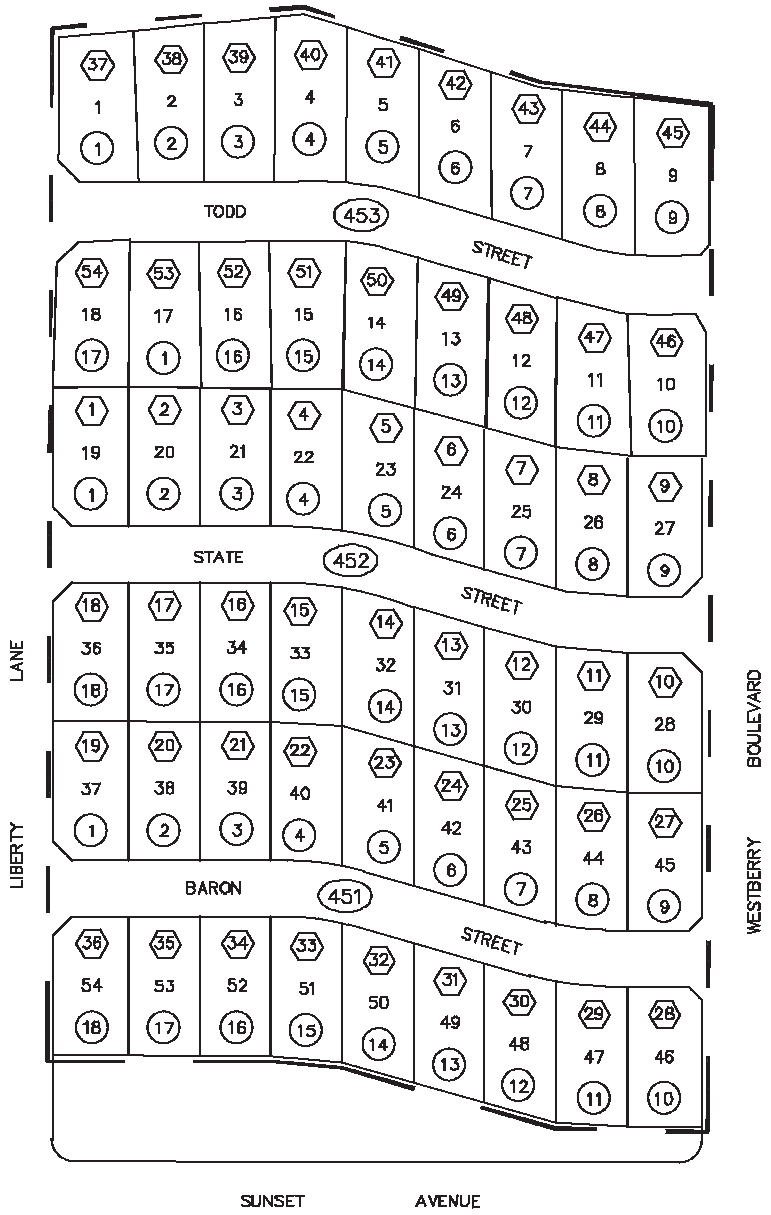
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 17D
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CAPISTRANO XI
PHASE 1

REV. JULY 2010





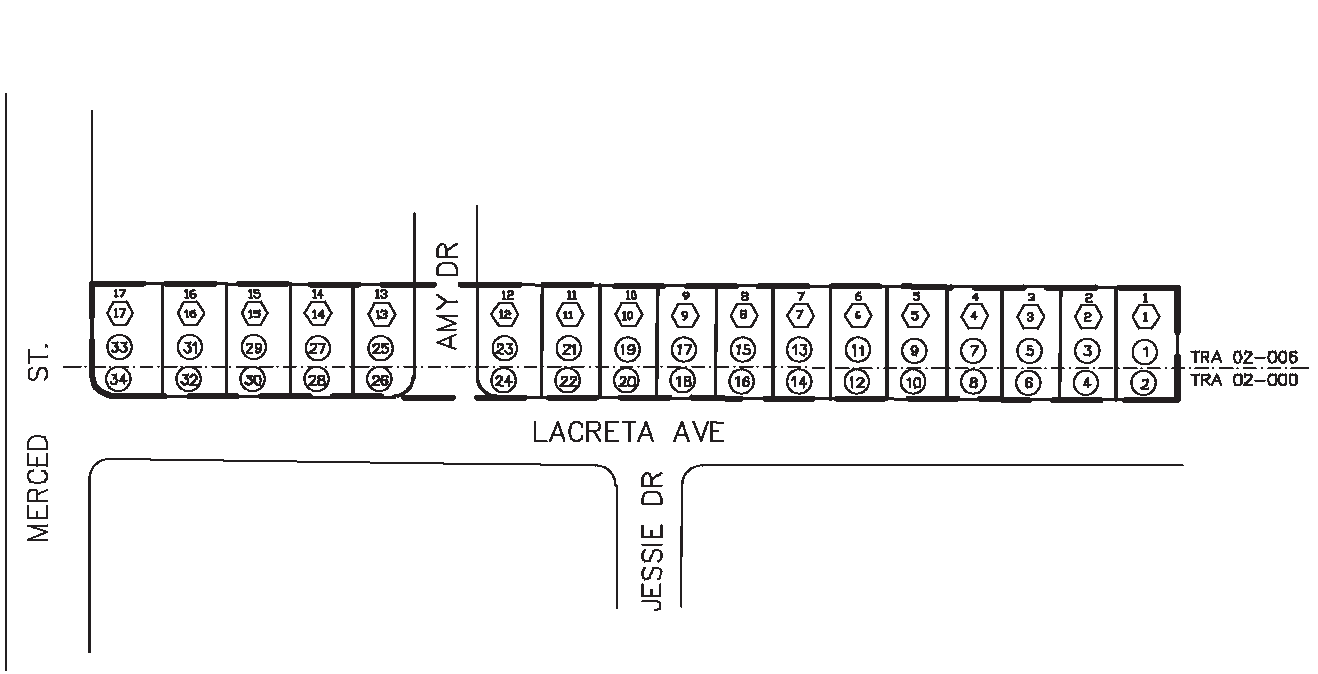
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 18
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
LINCOLN PLACE
PHASES 1, 2 AND 3
REV. JULY 2010



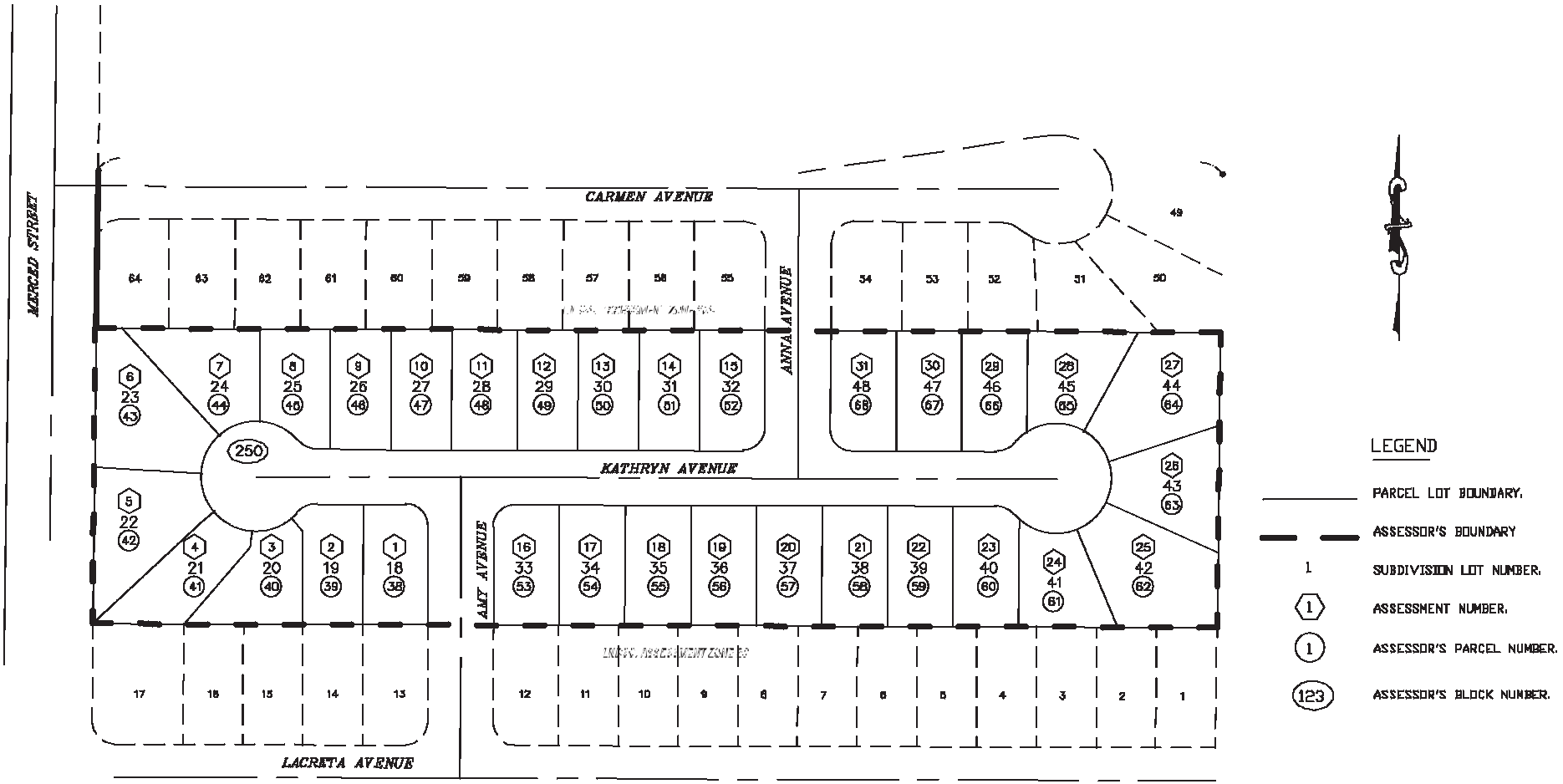
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 20A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
LA JOLLA
PHASE 1
REV. JULY 2010



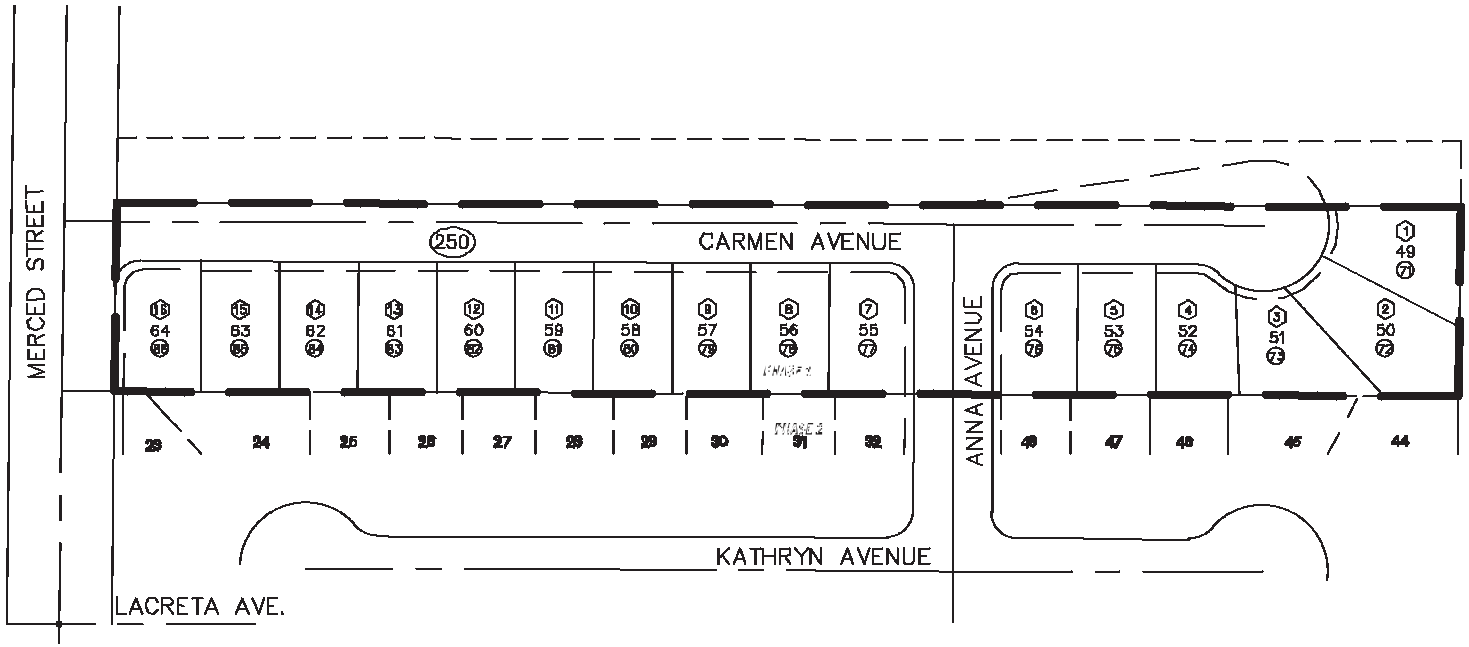
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 20B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

LA JOLLA
PHASE 2

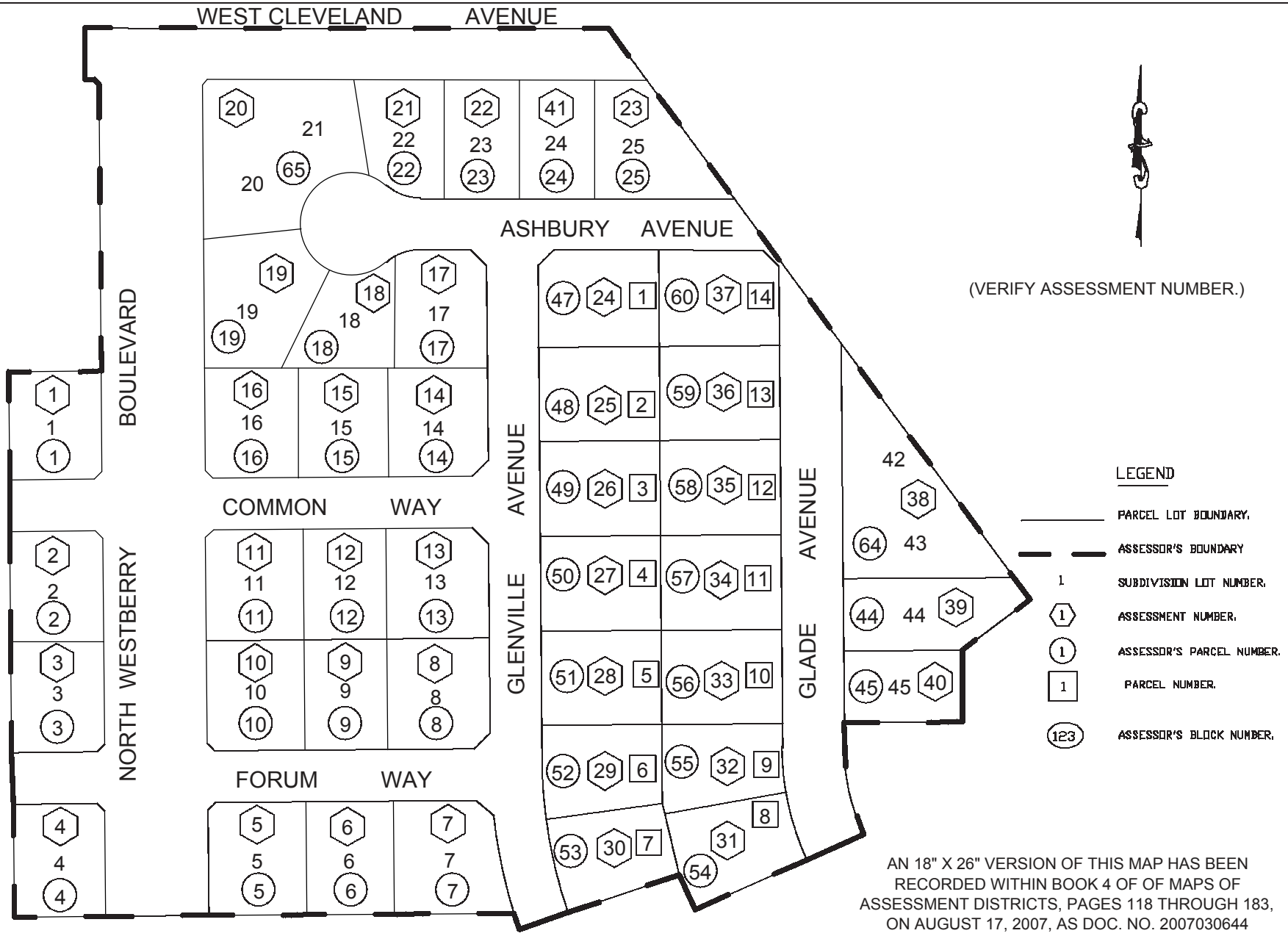
REV. JULY 2010



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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 20C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

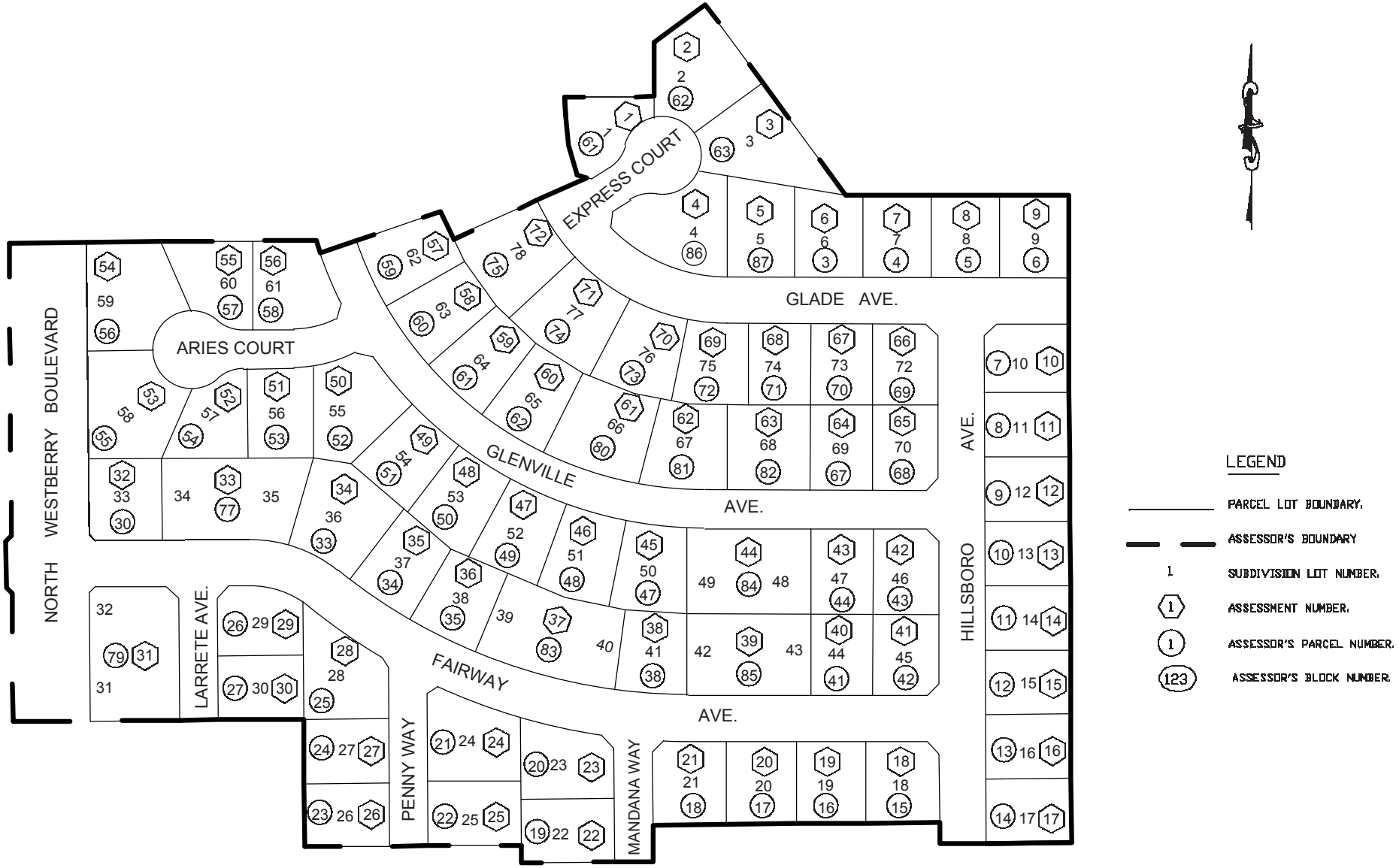
CITY OF MADERA
LA JOLLA
PHASE 3
REV. JULY 2010



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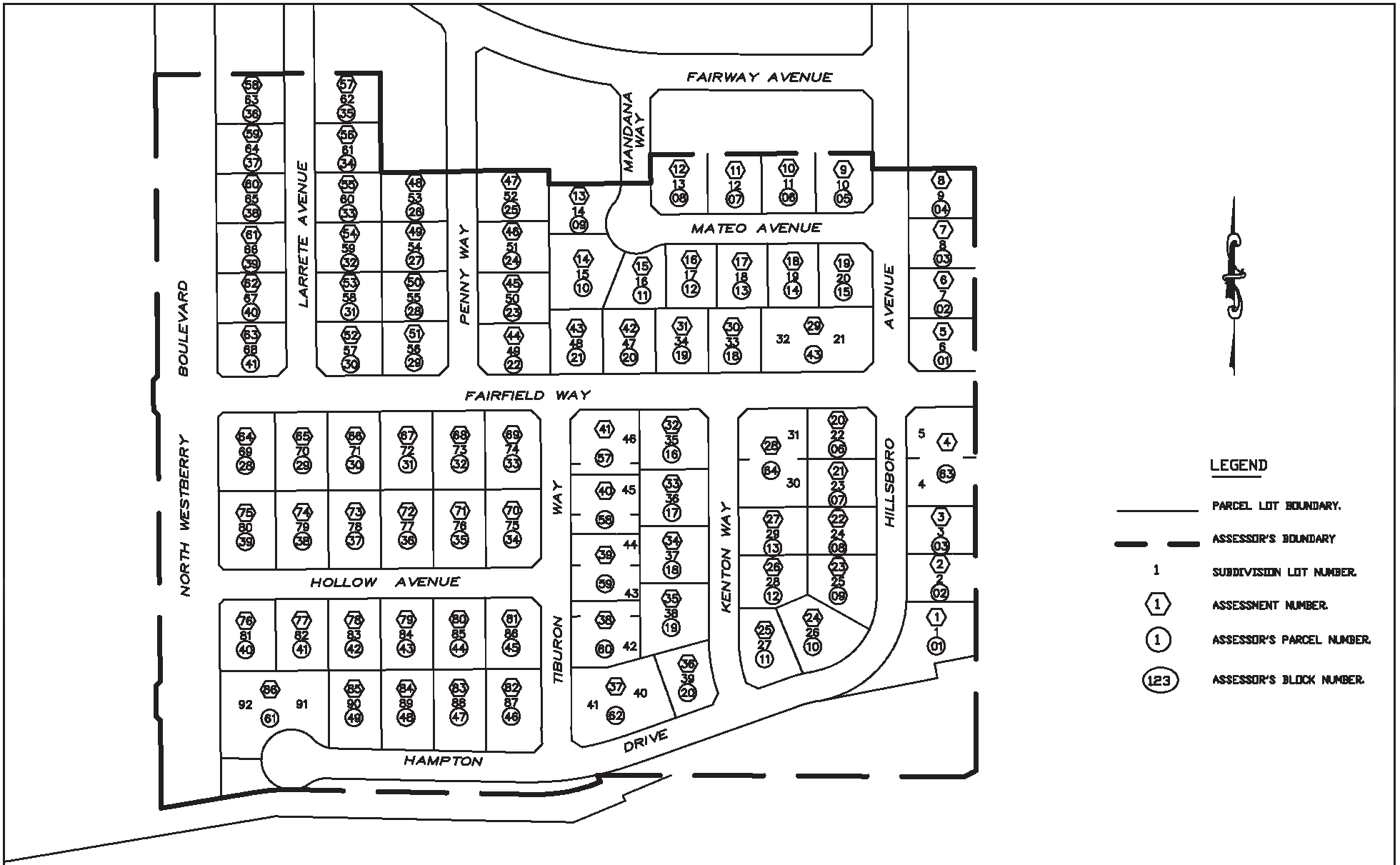
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE-21A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
HOME RANCH Phase I
REV. JULY 2010



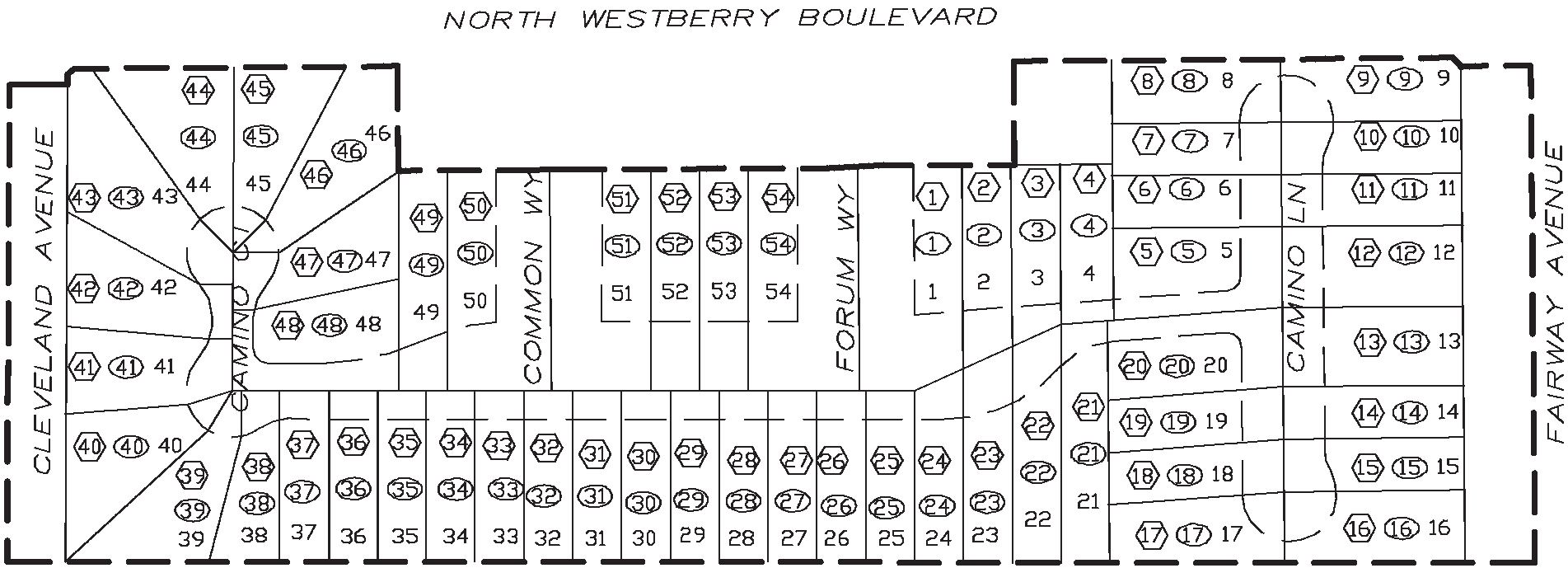
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE-21B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
HOME RANCH Phase II
REV. APRIL 2015



ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 21C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
HOME RANCH
PHASE III
REV. JULY 2009

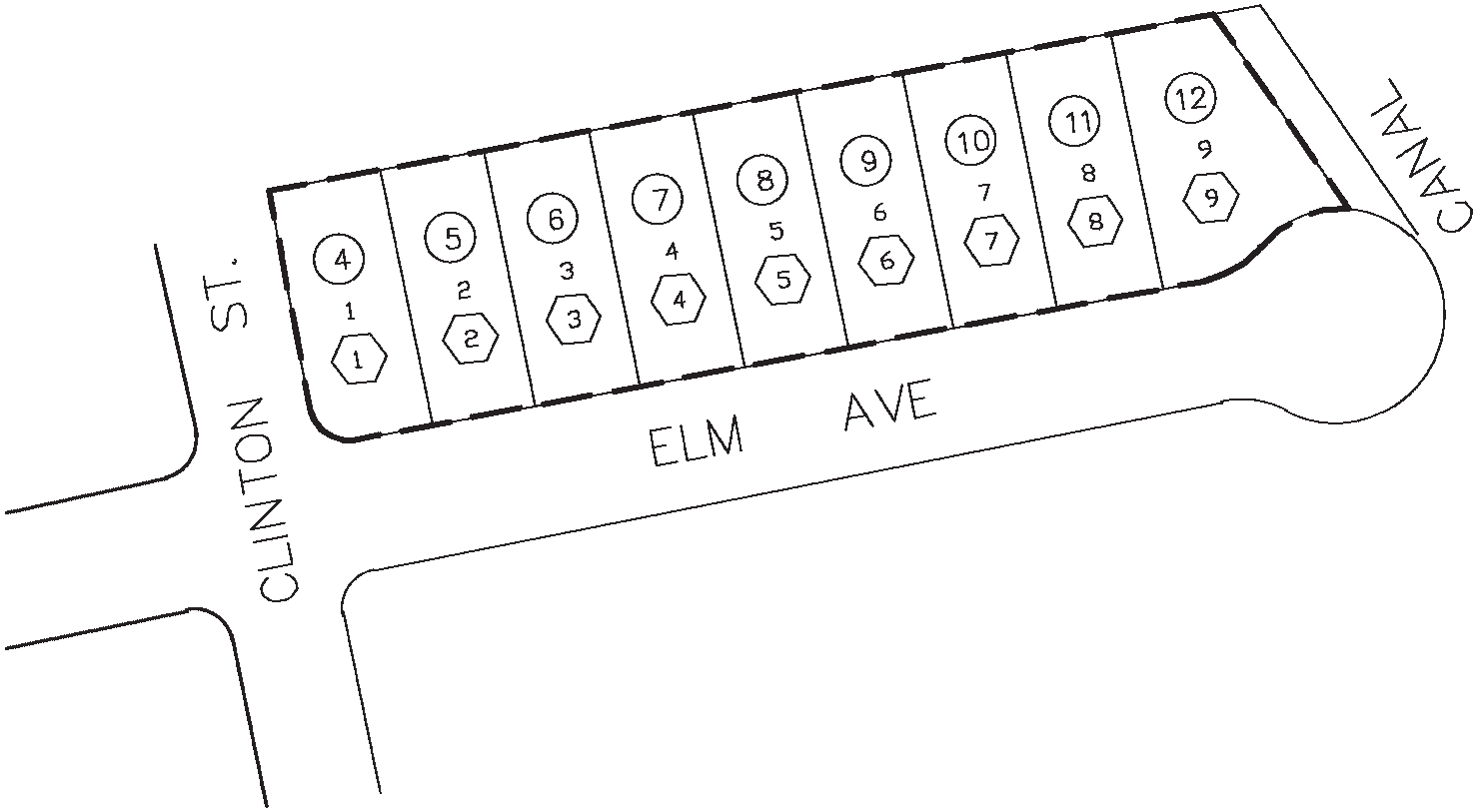


LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 21 D
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
HOME RANCH
PHASE IV
REV. JULY 2010



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

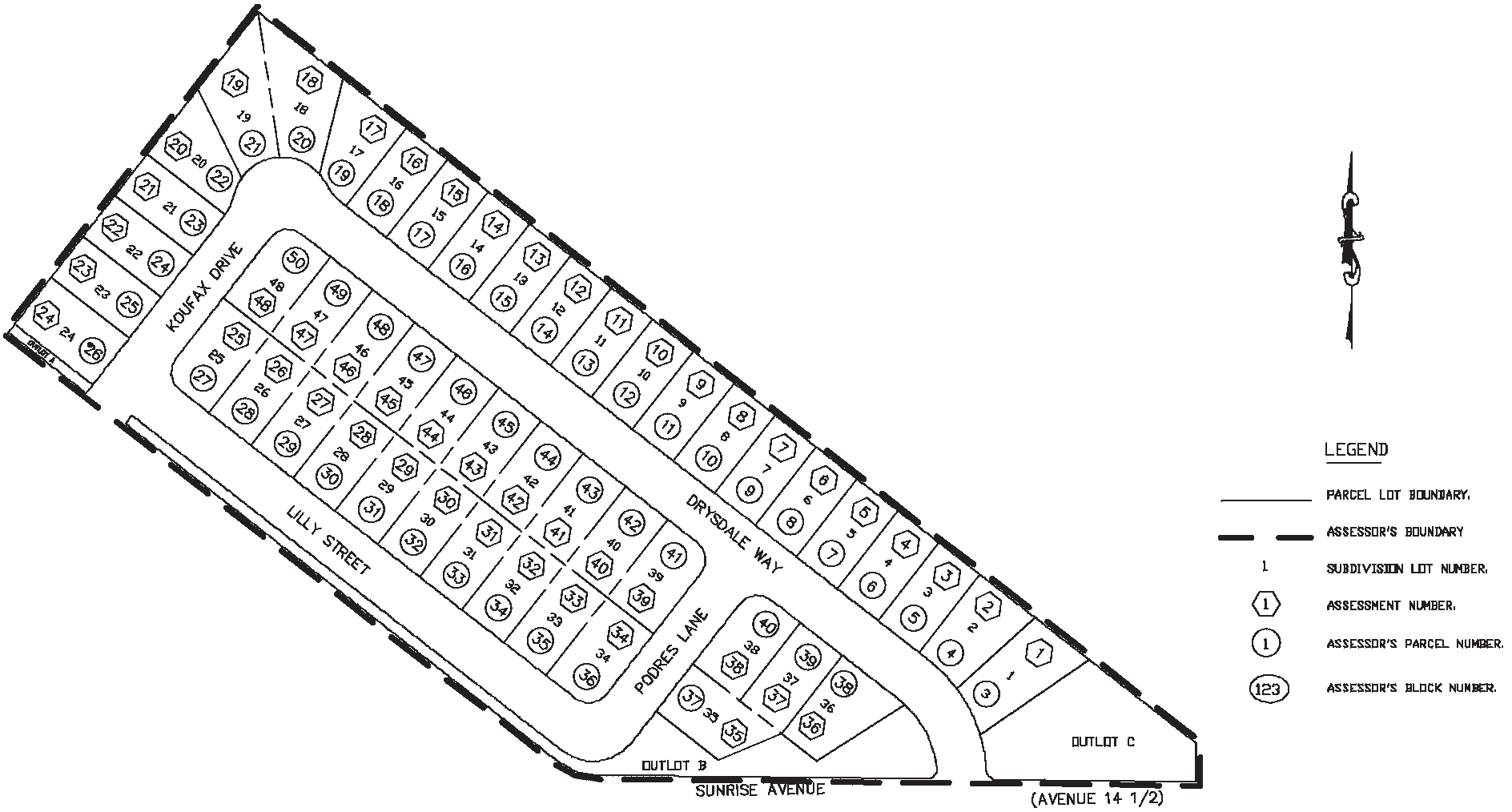
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 23
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

ELM ESTATES II SUBDIVISION

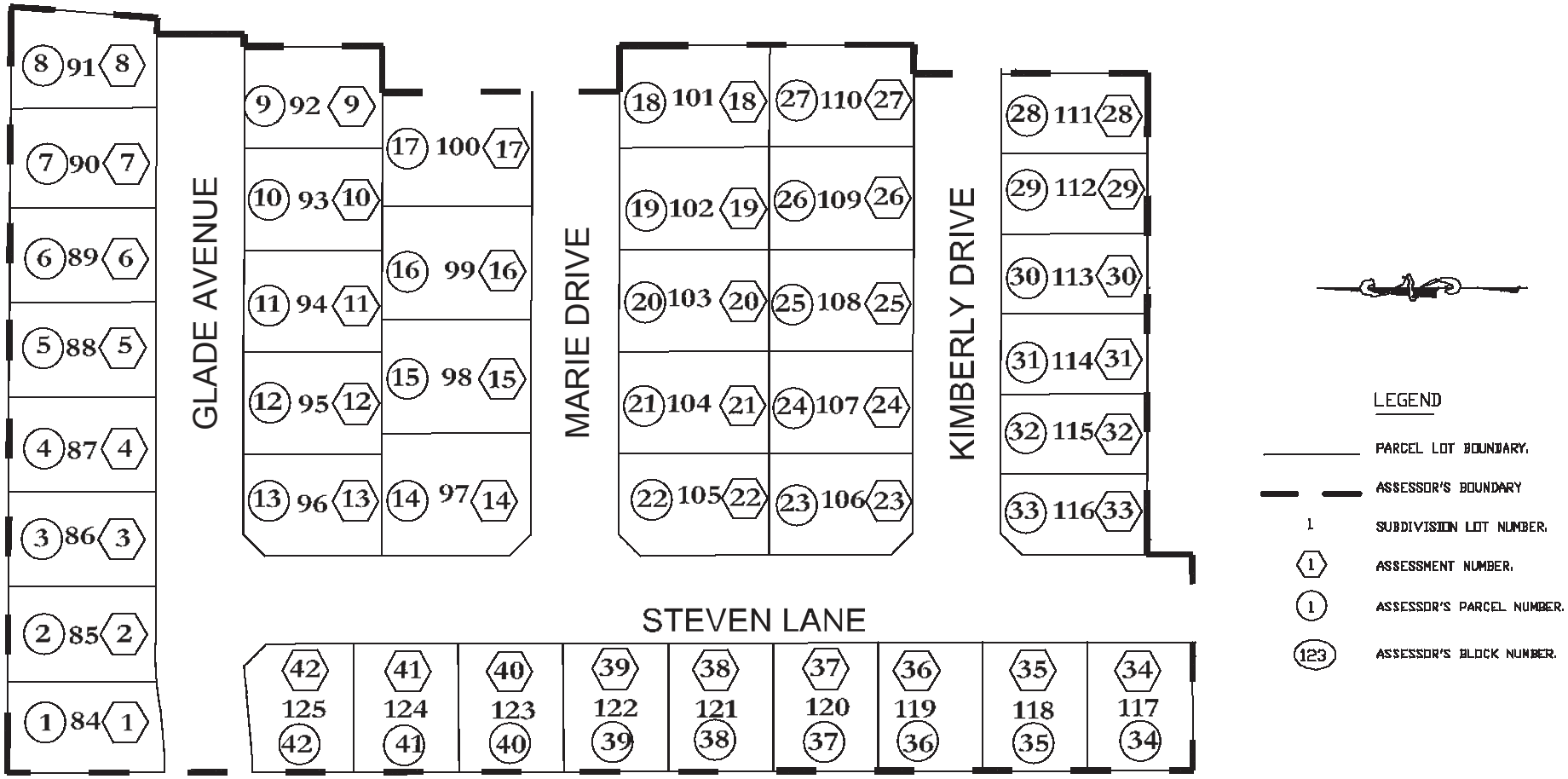
REV. JULY 2010



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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 24
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

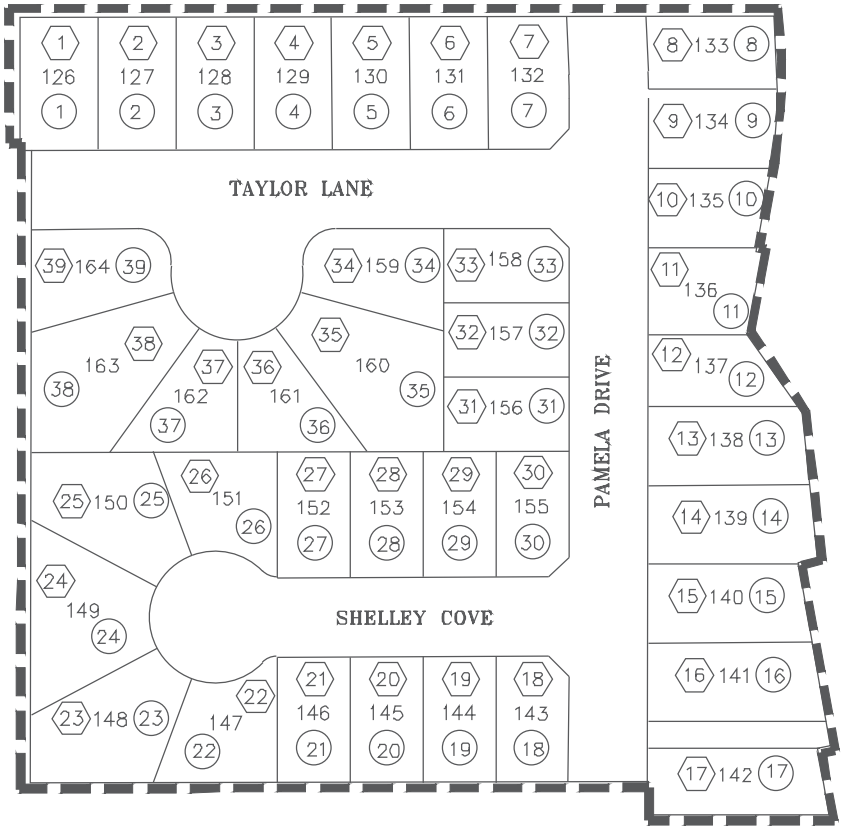
CITY OF MADERA
VISTA DEL SIERRA SUBDIVISION
REV. JULY 2010



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ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 25C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
COTTONWOOD III
REV. JULY 2010



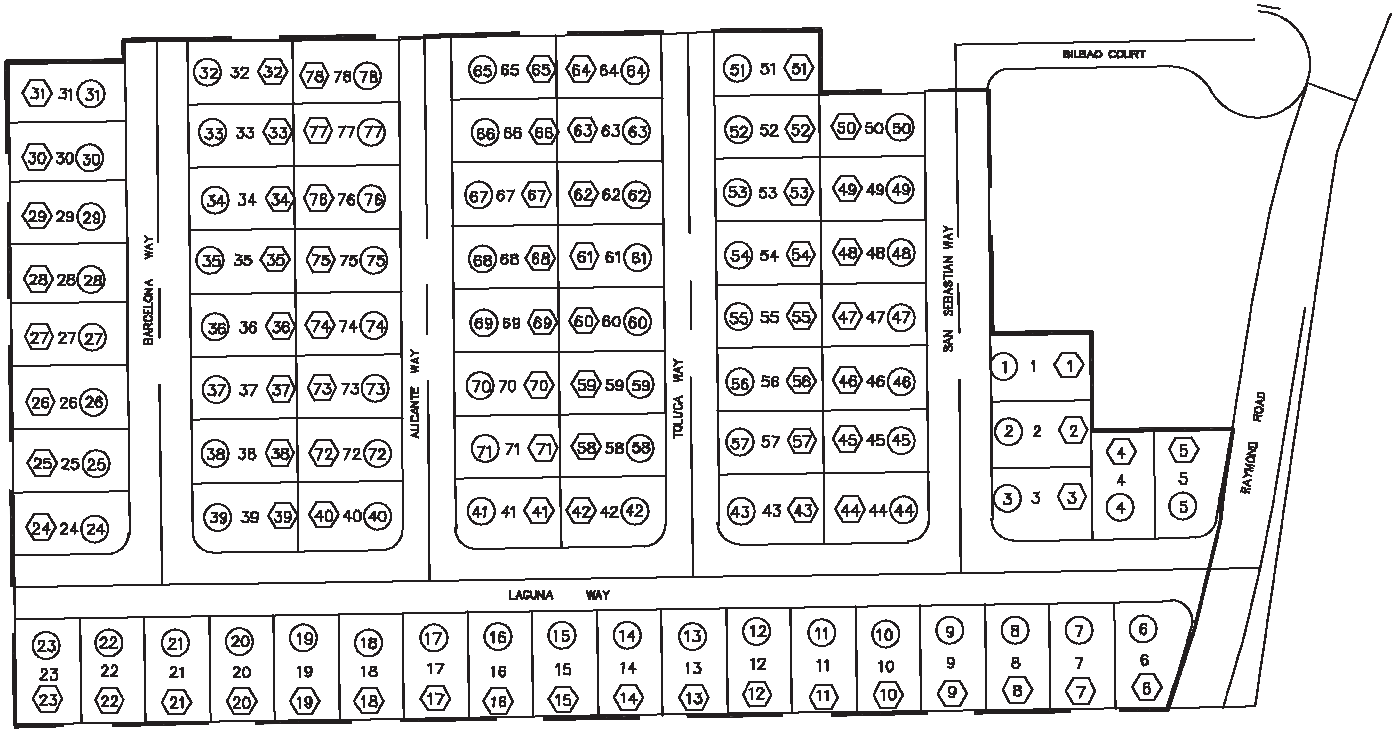
LEGEND

———	PARCEL LOT BOUNDARY
— — —	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
⬡1	ASSESSMENT NUMBER
(1)	ASSESSOR'S PARCEL NUMBER
(101)	ASSESSOR'S BLOCK NUMBER

SCALE: NTS

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 25D
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
COTTONWOOD ESTATES
PHASE 4
REV. JULY 2010



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

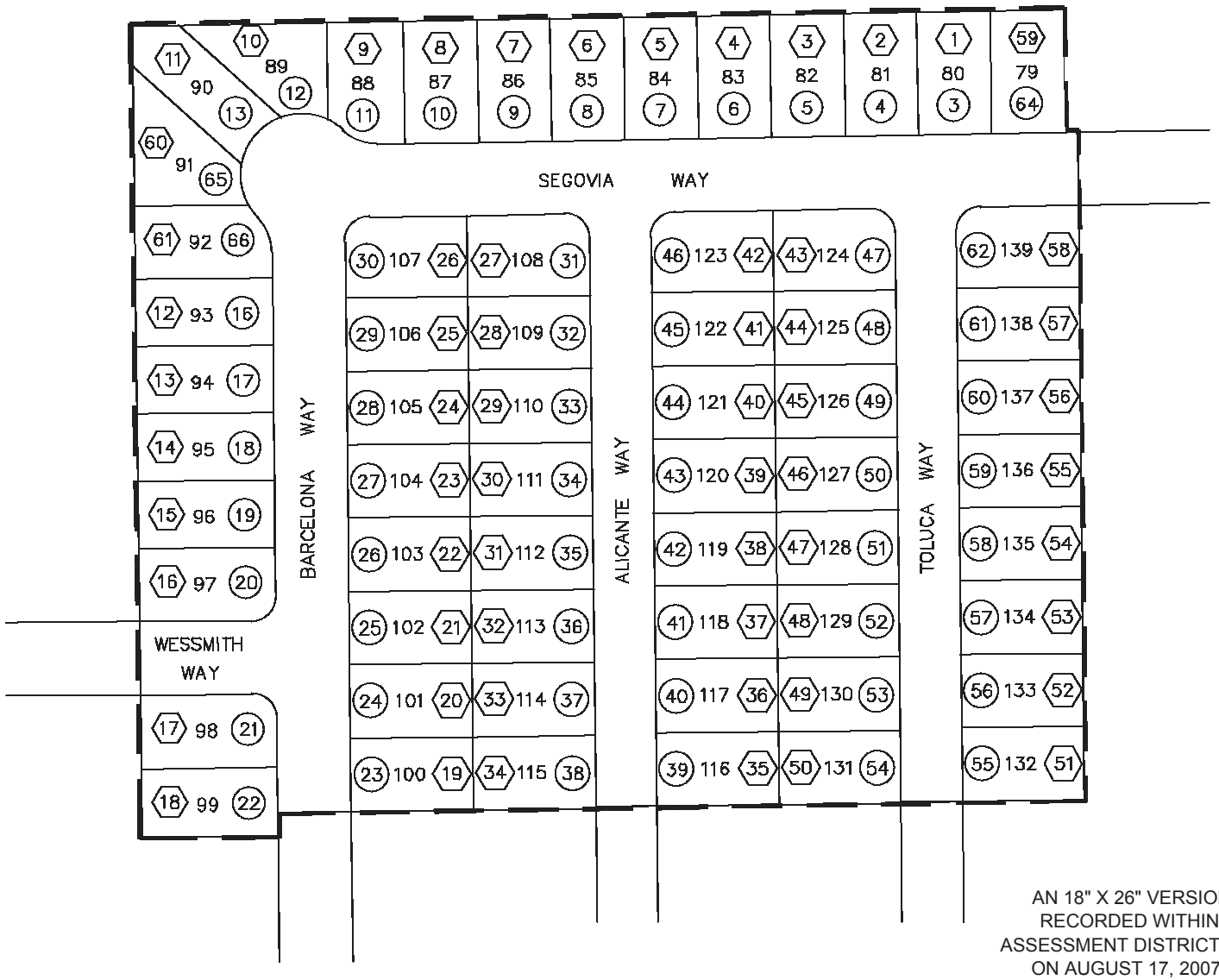
AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 26
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CORDOVA ESTATES
PHASES 1 AND 2

REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 26B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

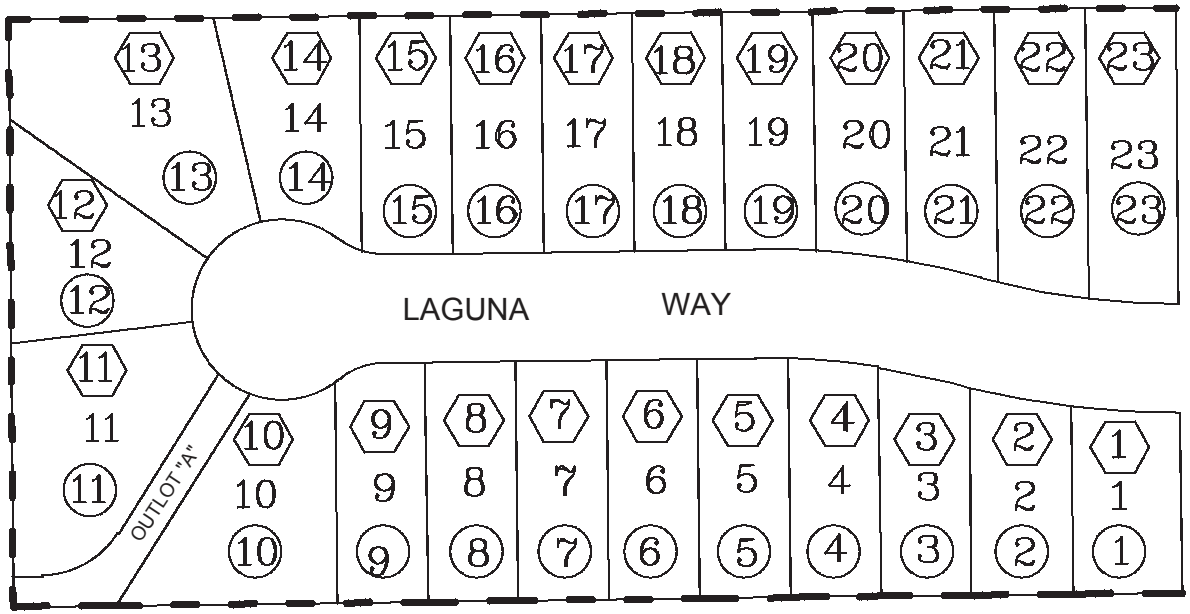
CITY OF MADERA
CORDOVA ESTATES PHASE III
REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 26C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CORDOVA ESTATES PHASE IV
REV. JULY 2010



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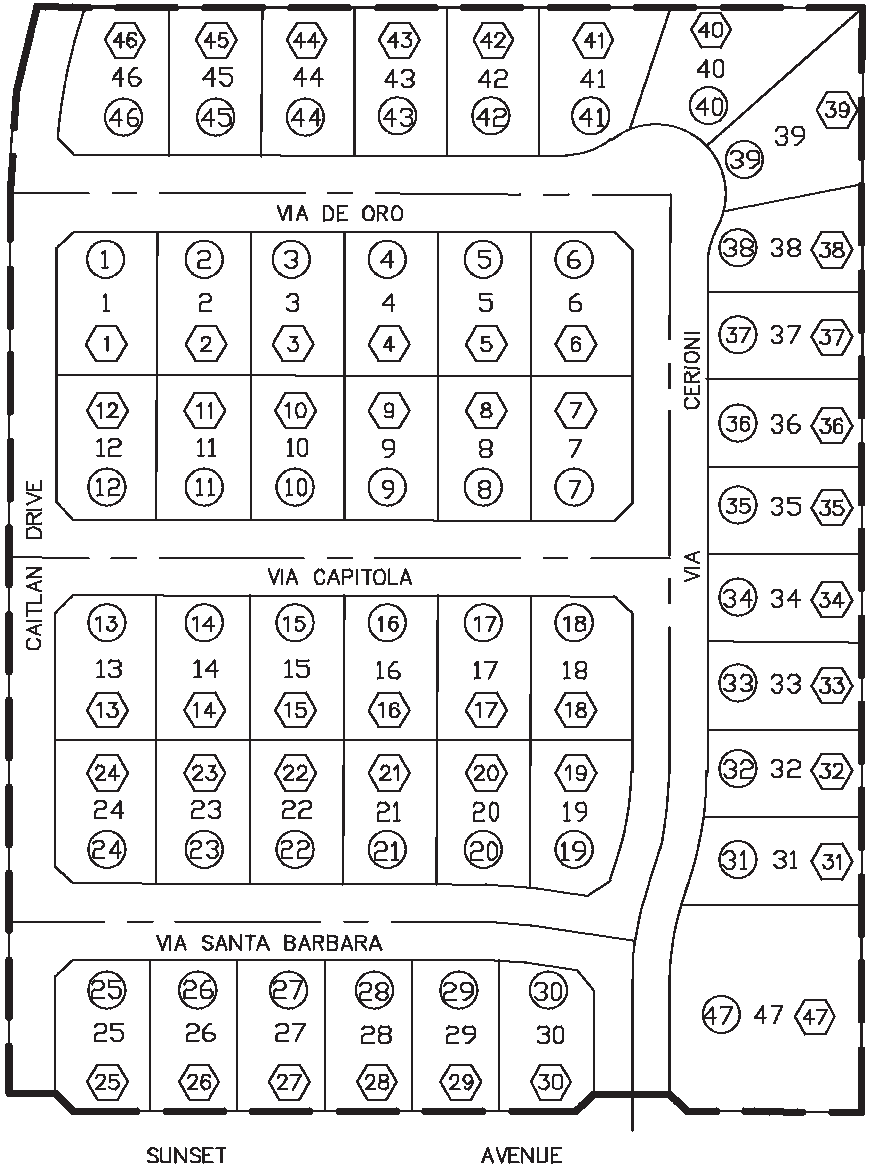
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 26D
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
OAKWOOD ESTATES
REV. JULY 2010





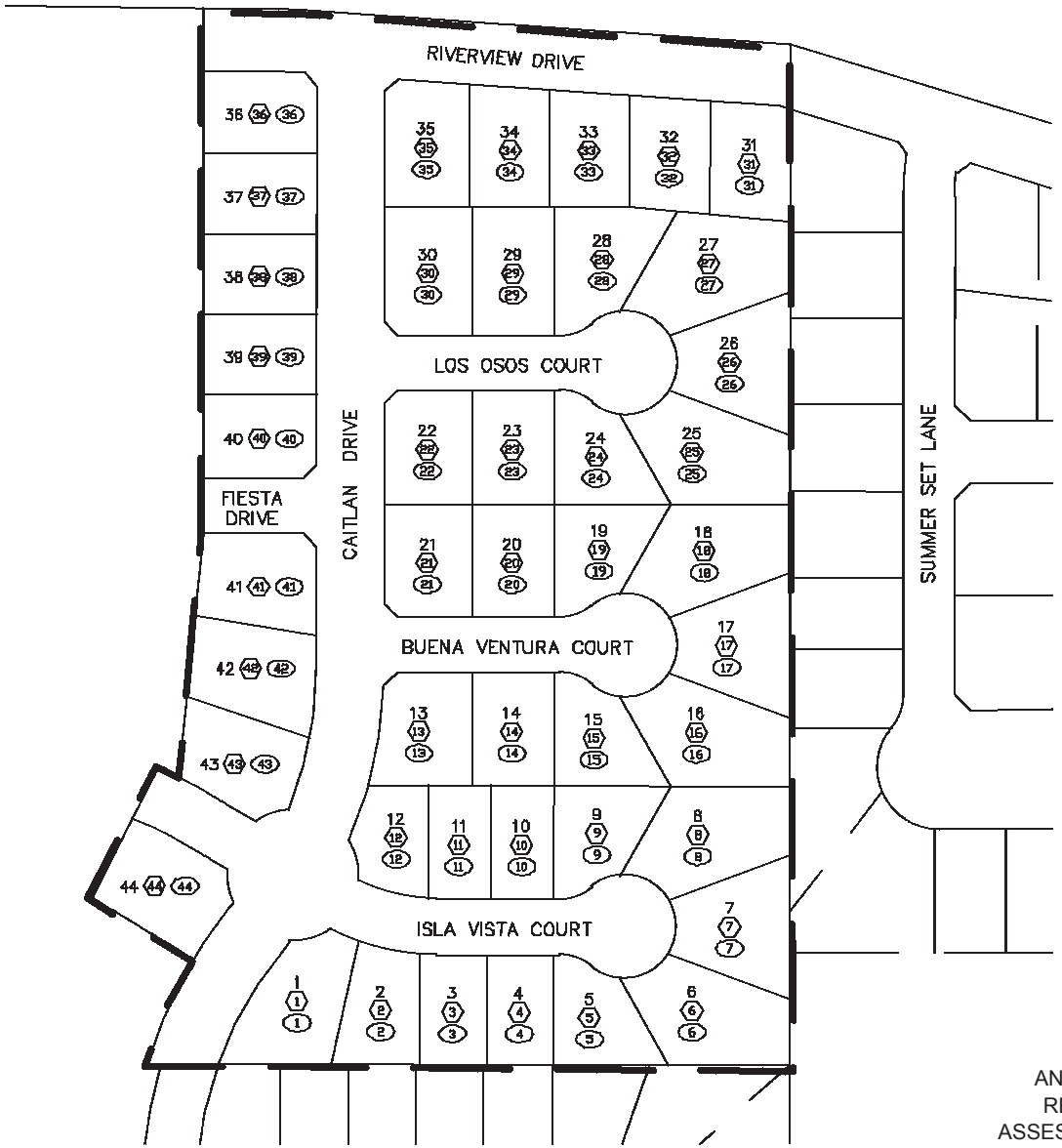
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 27
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
VINEYARD WEST I SUBDIVISION
REV. JULY 2010





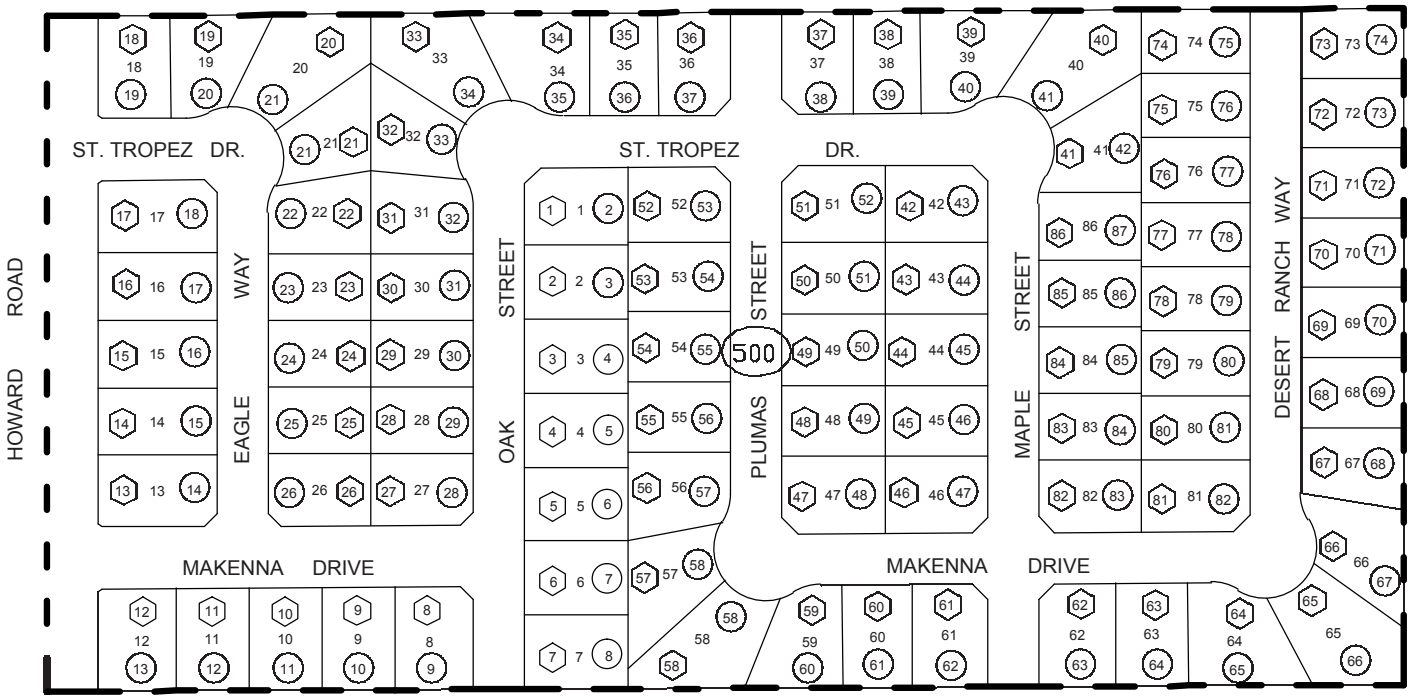
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 27B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
VINEYARD WEST II SUBDIVISION
REV. JULY 2010



LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

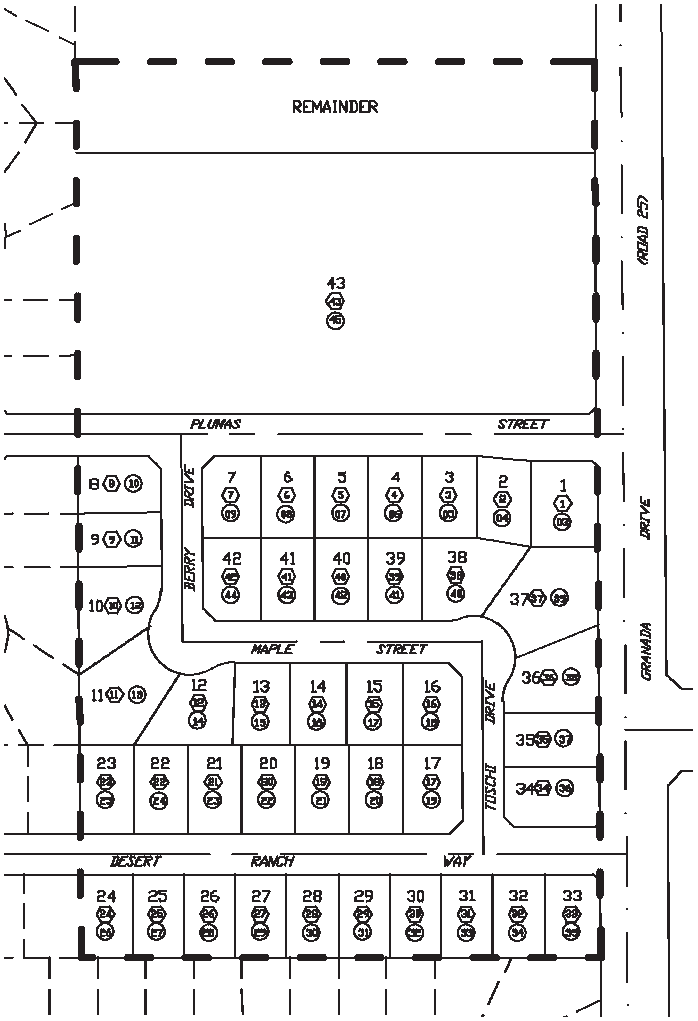
AN 18" X 26" VERSION OF THIS MAP HAS BEEN
RECORDED WITHIN BOOK 4 OF OF MAPS OF
ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 28
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CAPISTRANO XII

REV. JULY 2010



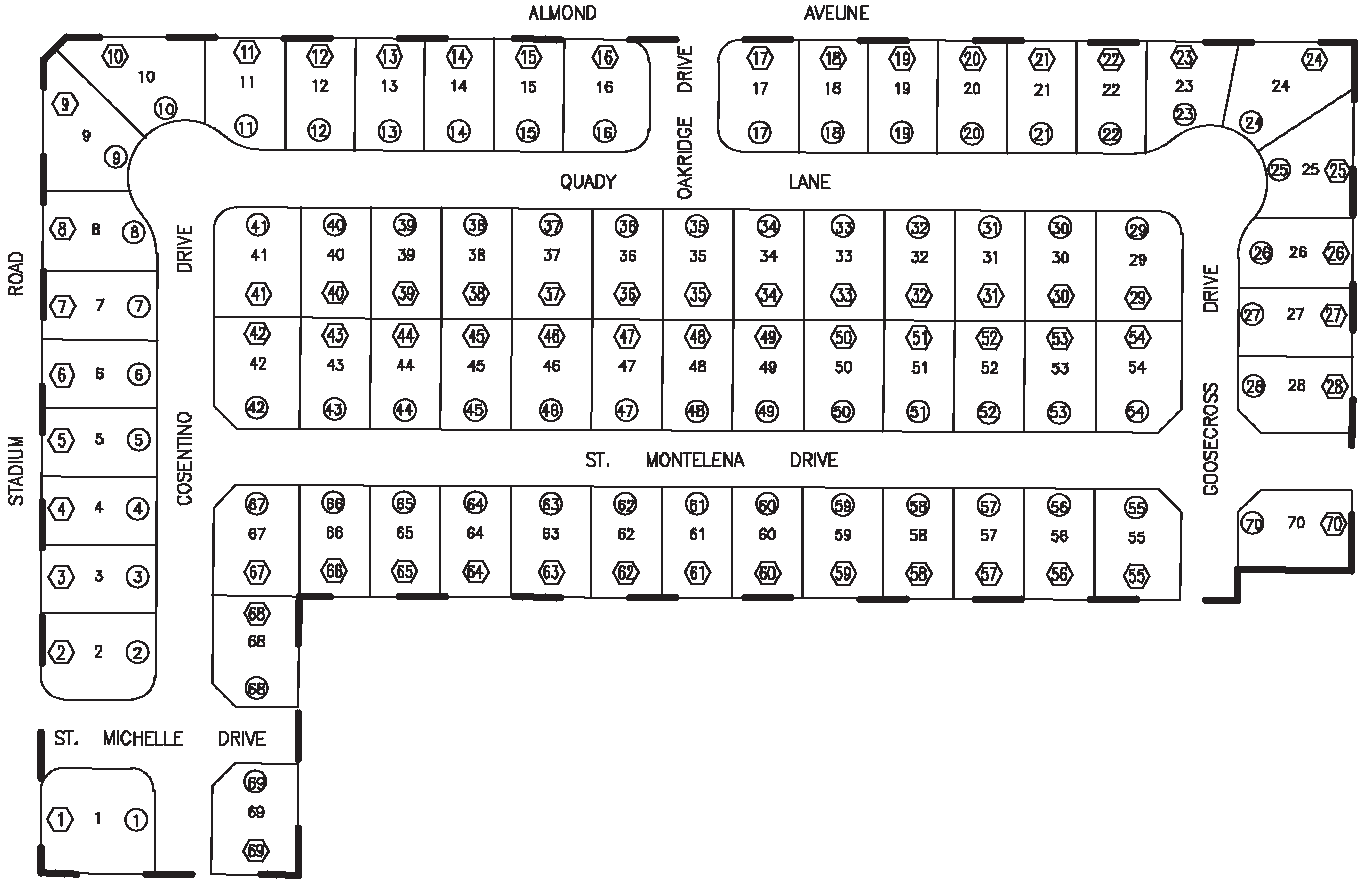
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 28B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CAPISTRANO XIII SUBDIVISION
REV. JULY 2010





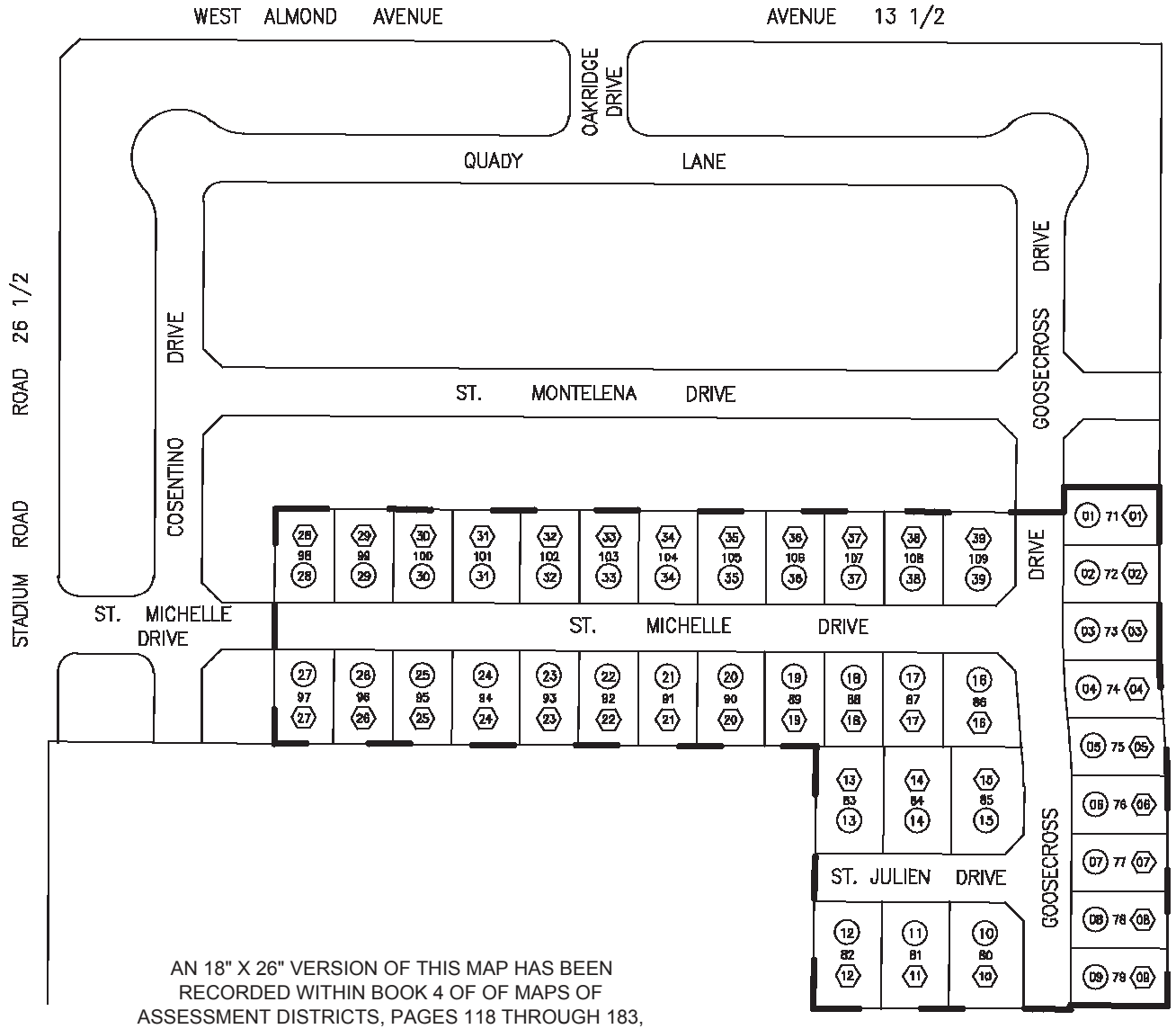
LEGEND

———	PARCEL LOT BOUNDARY.
– – –	ASSESSOR'S BOUNDARY
1	SUBDIVISION LOT NUMBER.
(1)	ASSESSMENT NUMBER.
(1)	ASSESSOR'S PARCEL NUMBER.
(123)	ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN
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ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 29
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CHATEAU AT THE VINEYARDS PHASE I
REV. JULY 2010



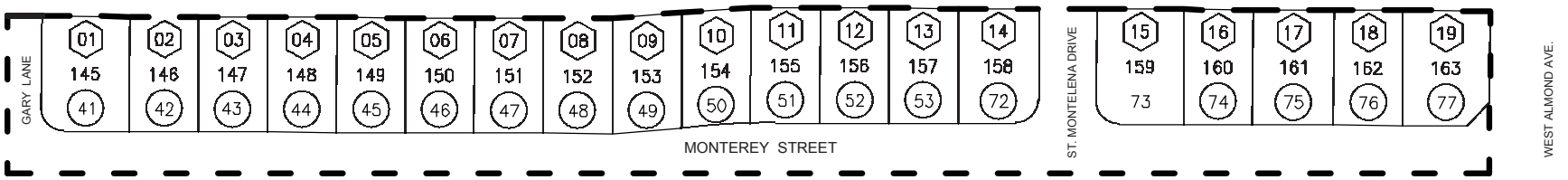
AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 29B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CHATEAU AT THE VINEYARDS II
REV. JULY 2010



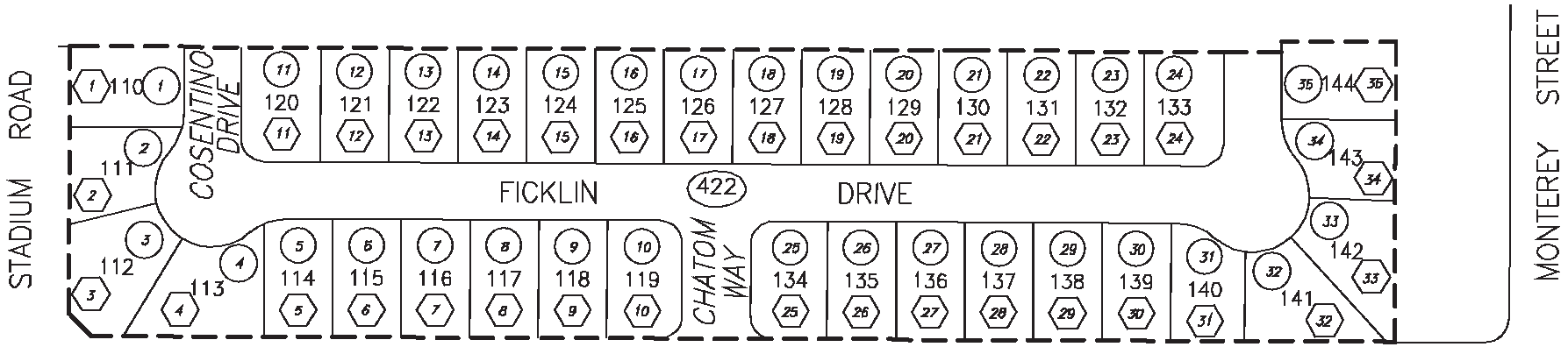
LEGEND

———	PARCEL LOT BOUNDARY.
— — —	ASSESSOR'S BOUNDARY
1	SUBDIVISION LOT NUMBER.
(1)	ASSESSMENT NUMBER.
1	ASSESSOR'S PARCEL NUMBER.
(123)	ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 29C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CHATEAU AT THE VINEYARDS PHASE III
REV. JULY 2010



LEGEND

———	PARCEL LOT BOUNDARY
— — —	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
⬡1	ASSESSMENT NUMBER
①1	ASSESSOR'S PARCEL NUMBER
(###)	ASSESSOR'S BLOCK NUMBER

SCALE: NTS

ASSESSMENT DIAGRAM

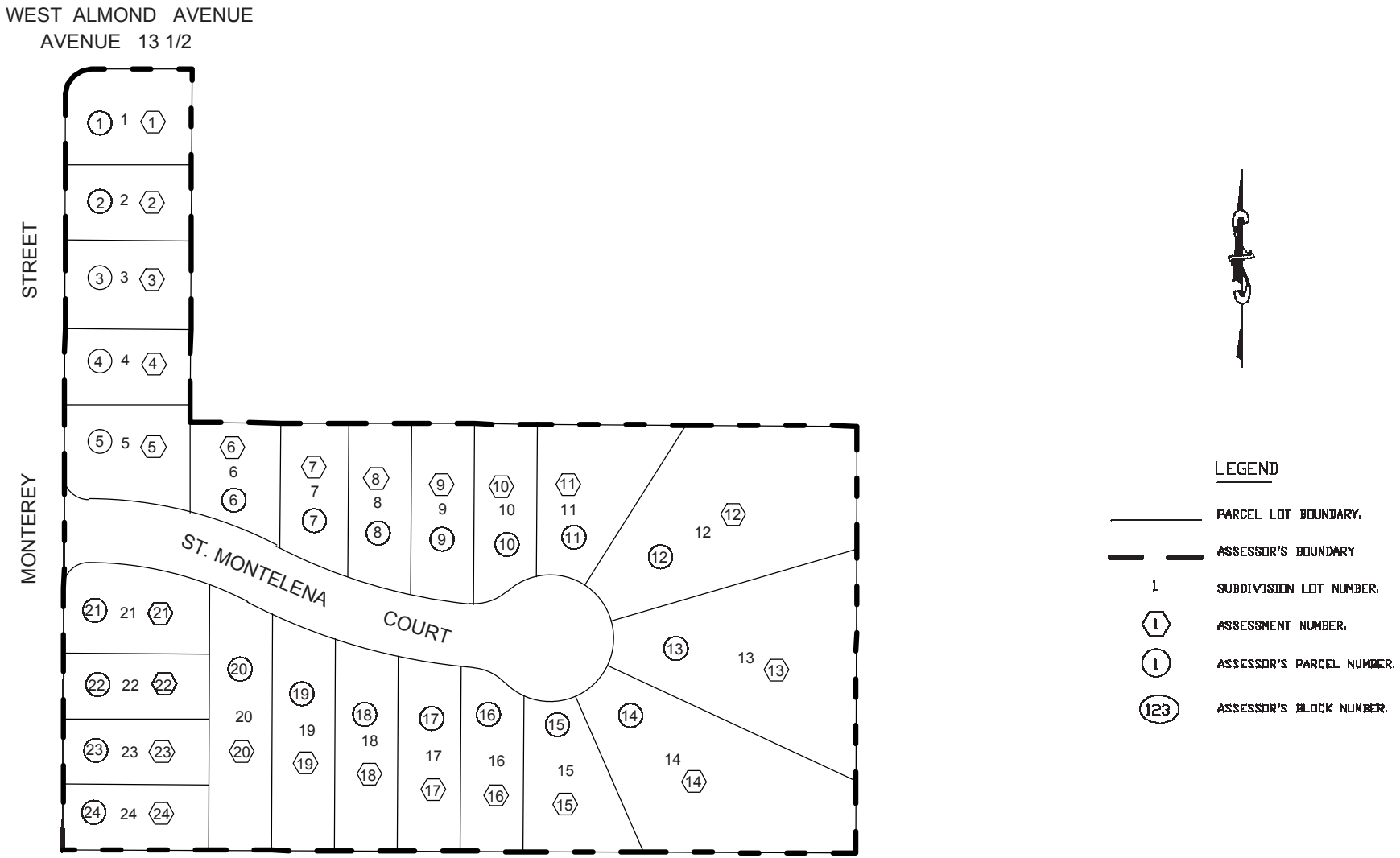
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 29D

CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

CHATEAU AT THE VINEYARDS PHASE IV

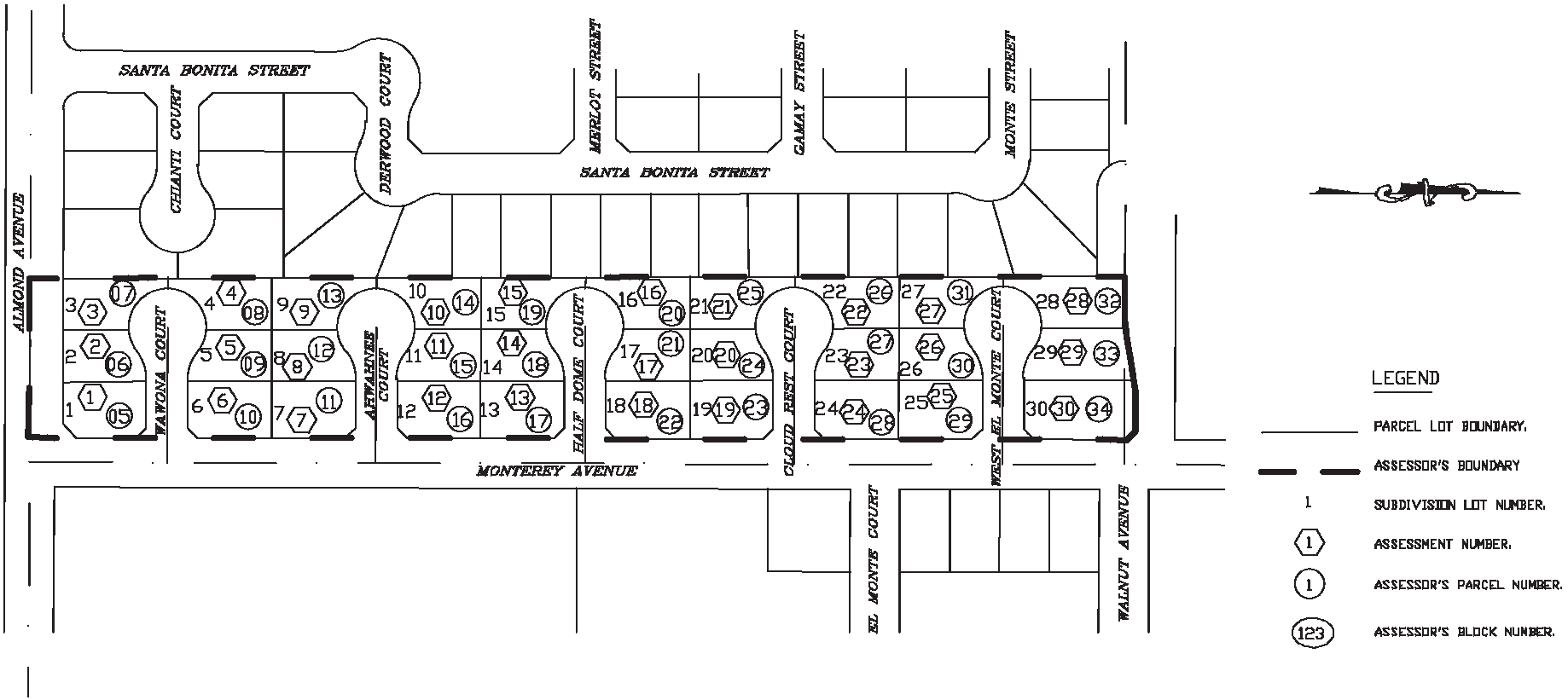
REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 29E
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CHATEAU AT THE VINEYARDS EAST
REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN
RECORDED WITHIN BOOK 4 OF OF MAPS OF
ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 30
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
YOSEMITE ESTATES SUBDIVISION
REV. JULY 2010





LEGEND

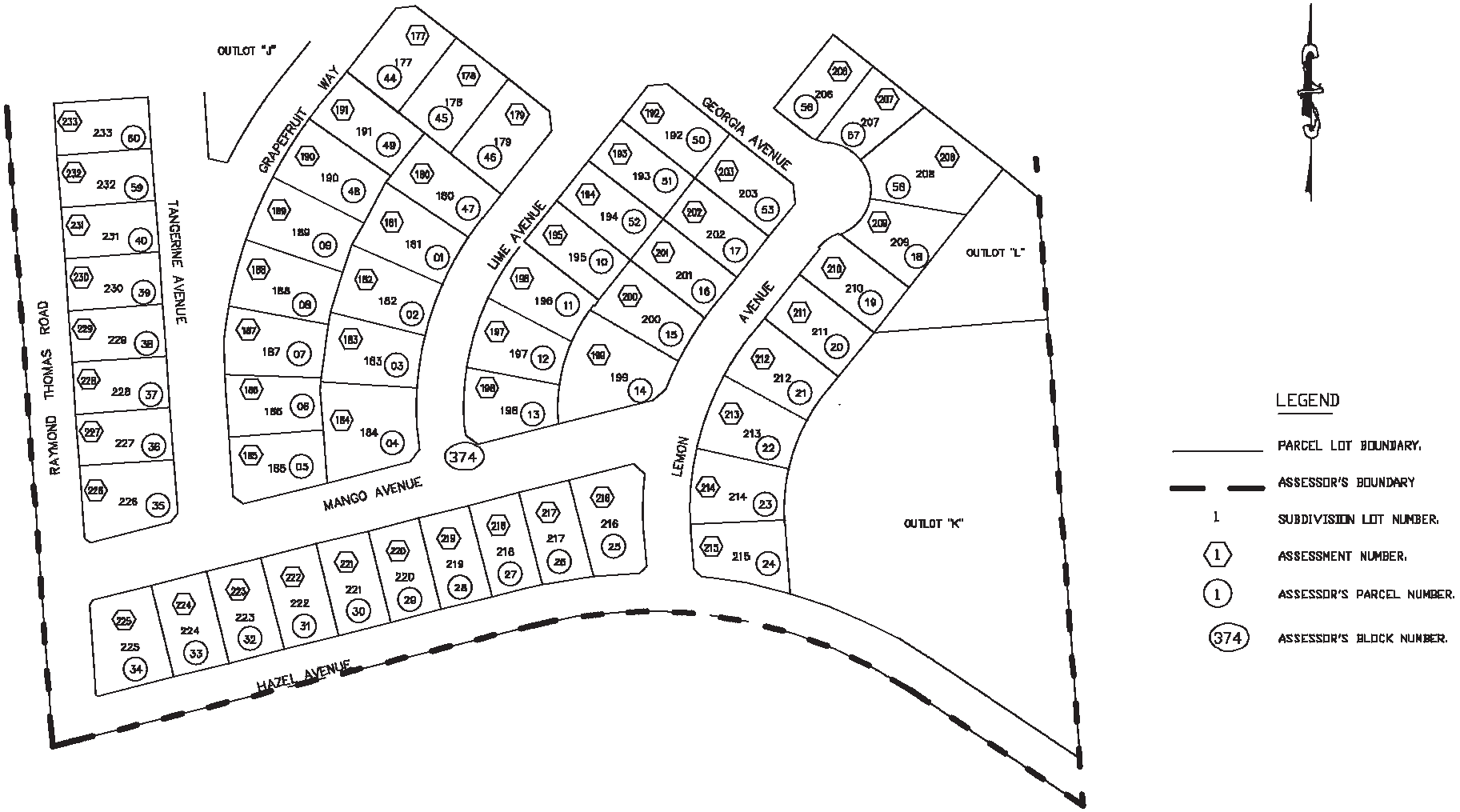
- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 31A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
THE HIGHLANDS AT RANCHO VALENCIA PHASE I
REV. JULY 2010

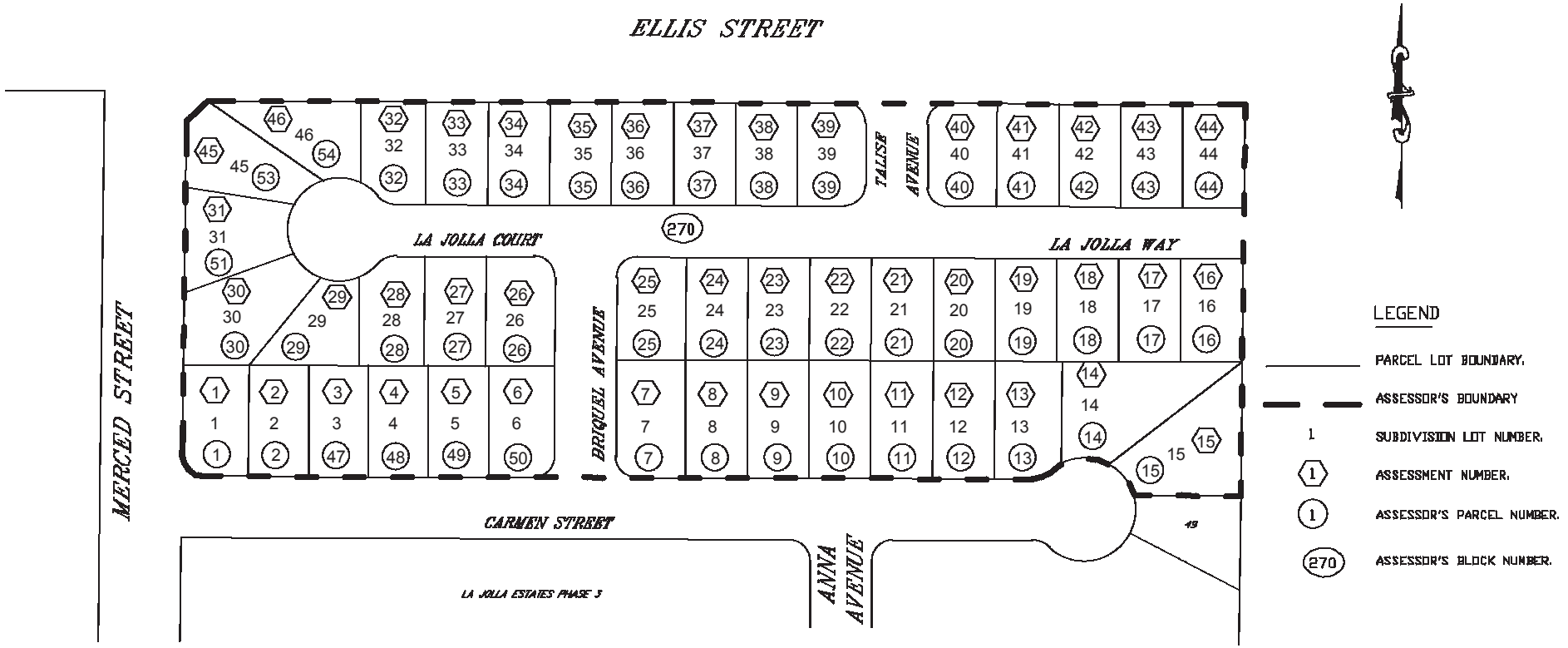
SEE PAGE 3



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ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 31B (PAGE 4 of 4)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

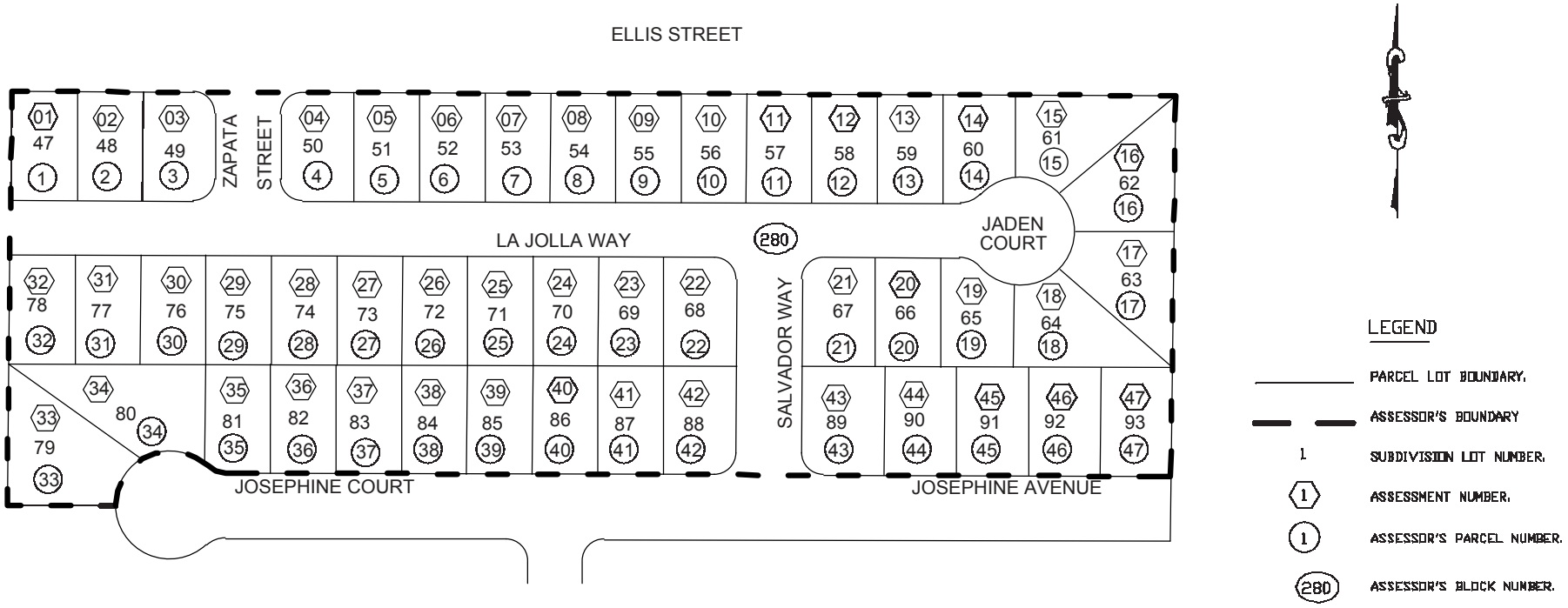
CITY OF MADERA
HIGHLANDS AT RANCHO VALENCIA PHASE II
REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN
RECORDED WITHIN BOOK 4 OF OF MAPS OF
ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 32 A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

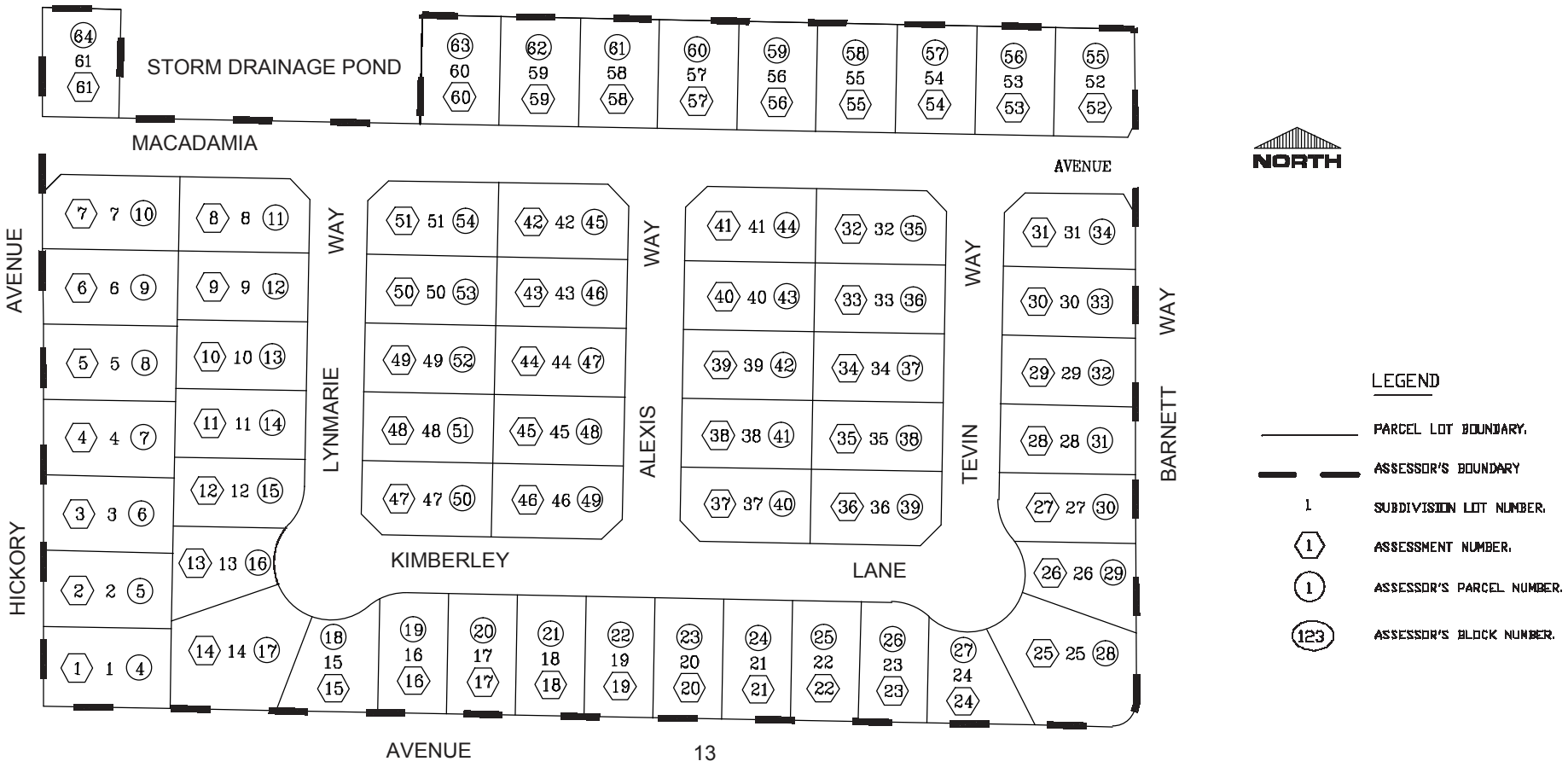
CITY OF MADERA
LA JOLLA ESTATES NORTH PHASE I
REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN
RECORDED WITHIN BOOK 4 OF OF MAPS OF
ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183,
ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 32B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

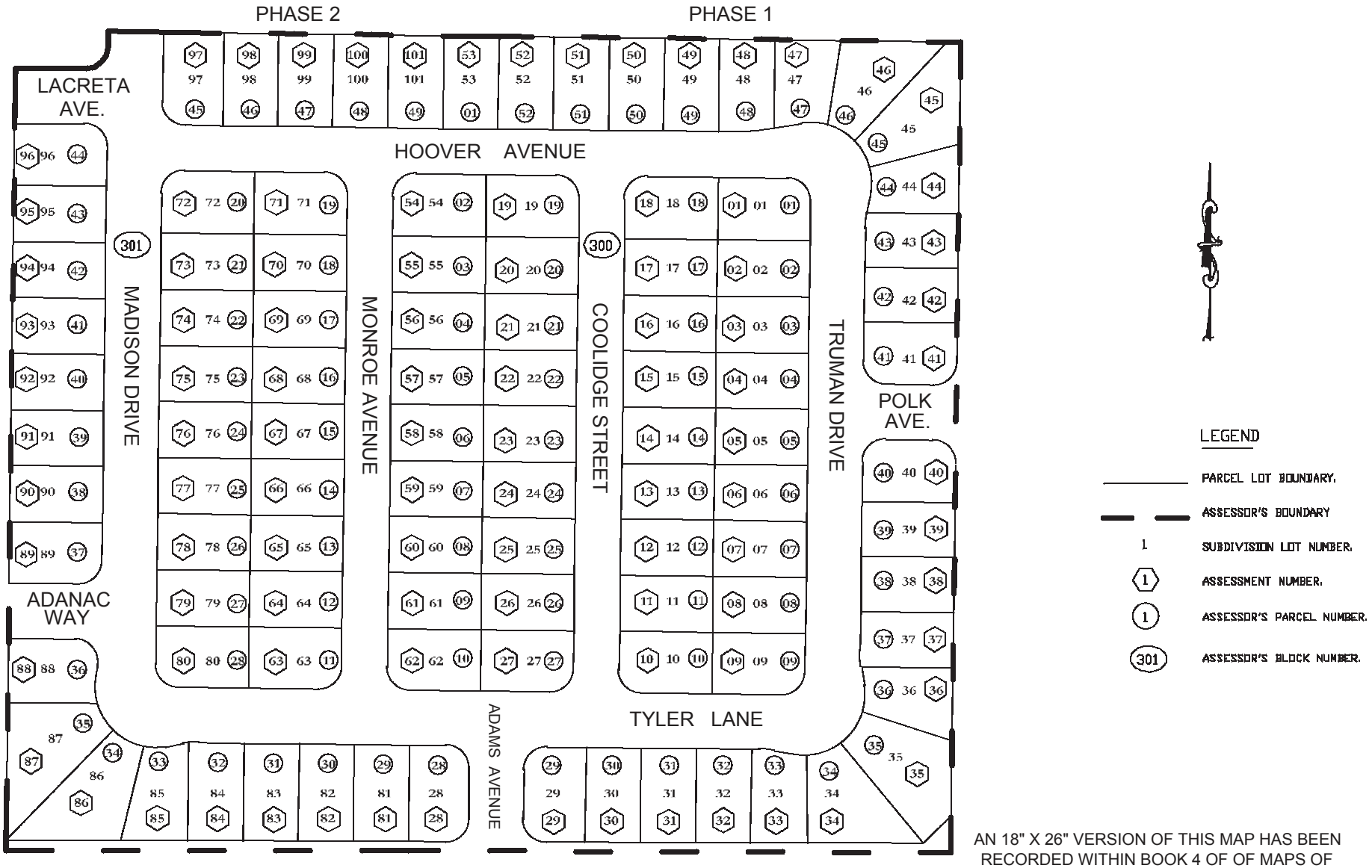
CITY OF MADERA
LA JOLLA ESTATES NORTH PHASE II
REV. JULY 2010



AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 33
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
SOUTH STAR ESTATES
REV. JULY 2010



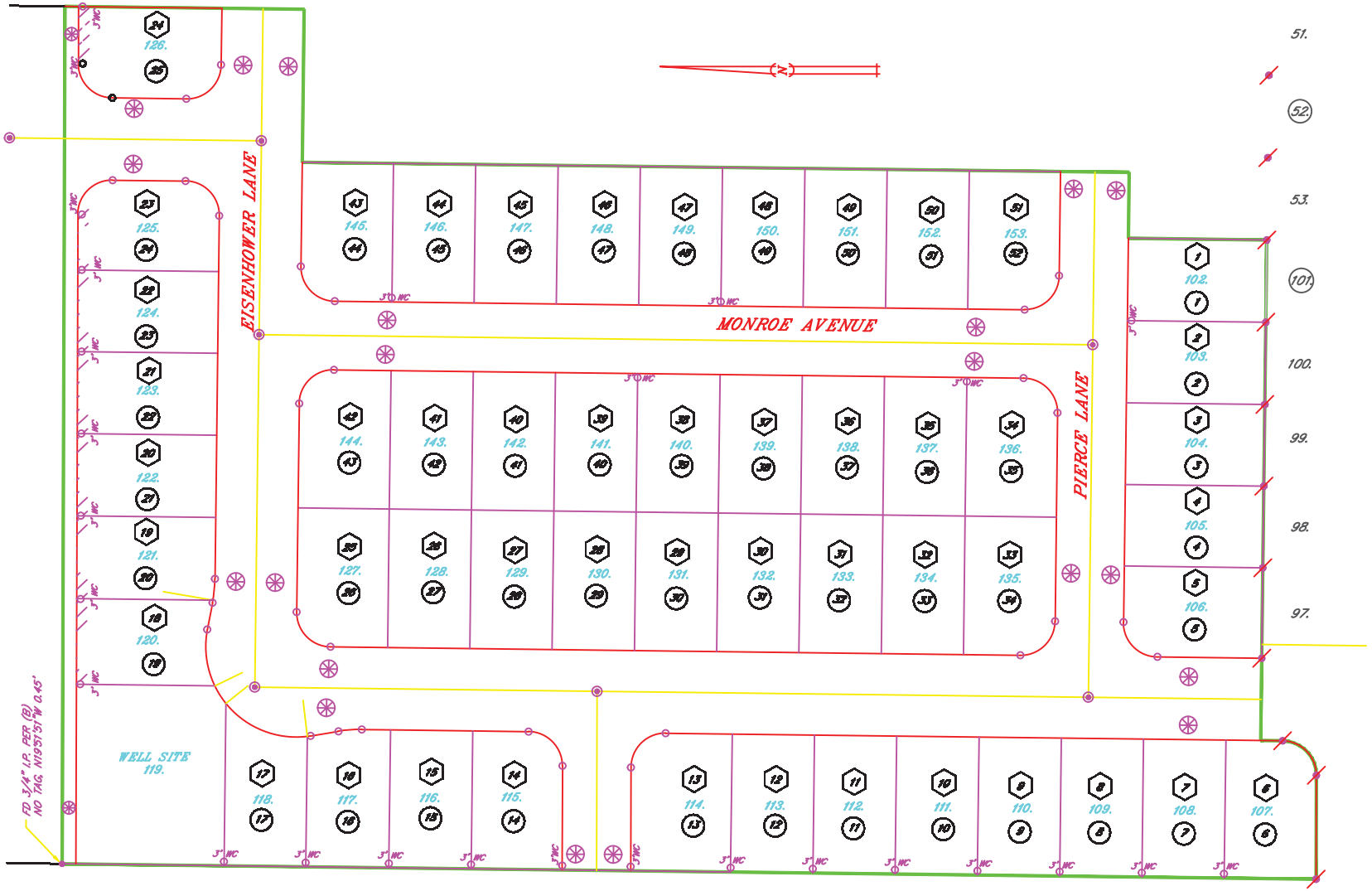
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- 301 ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 34
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
KENNEDY ESTATES
PHASE I & II
REV. JULY 2010

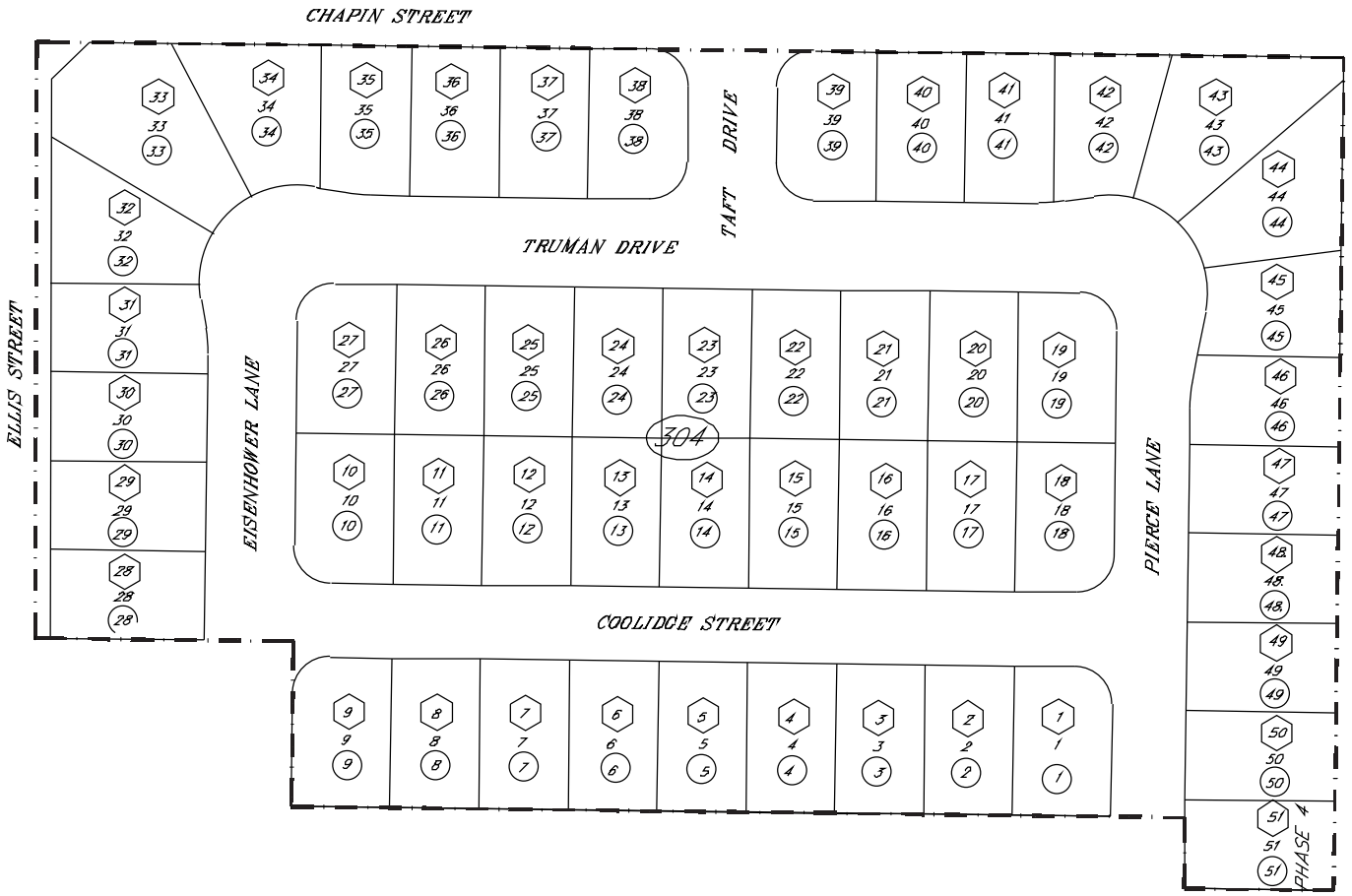


LEGEND

———	PARCEL LOT BOUNDARY
———	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
(1)	ASSESSMENT NUMBER
(1)	ASSESSOR'S PARCEL NUMBER
(##)	ASSESSOR'S BLOCK NUMBER

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 34B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
KENNEDY ESTATES
PHASE 3
REV. JULY 2010



LEGEND

— — — —	PARCEL LOT BOUNDARY
- - - - -	ZONE BOUNDARY
1	SUBDIVISION LOT NUMBER
(1)	ASSESSMENT NUMBER
1	ASSESSOR'S PARCEL NUMBER
(101)	ASSESSOR'S BLOCK NUMBER

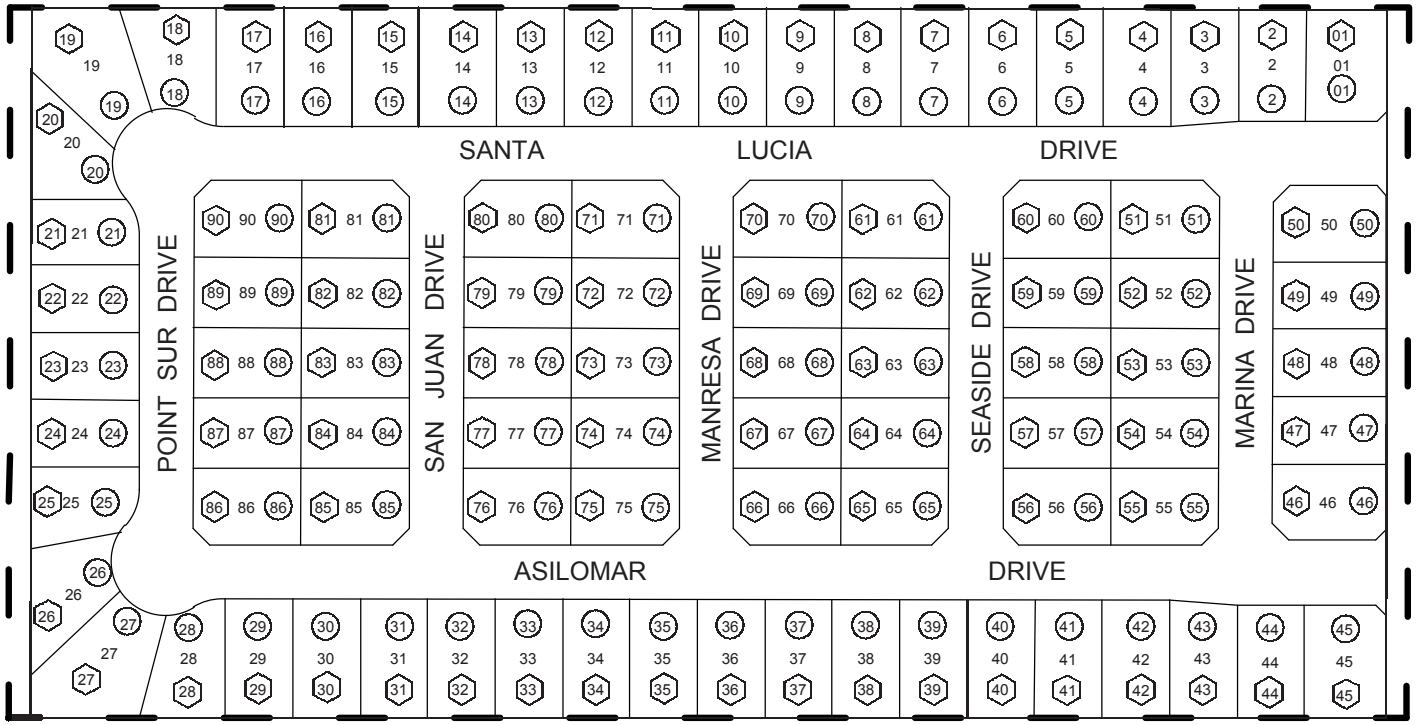
SCALE: 1" = 100'
0 50 100 200

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 34C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

KENNEDY ESTATES
PHASE 4

REV. JULY 2010



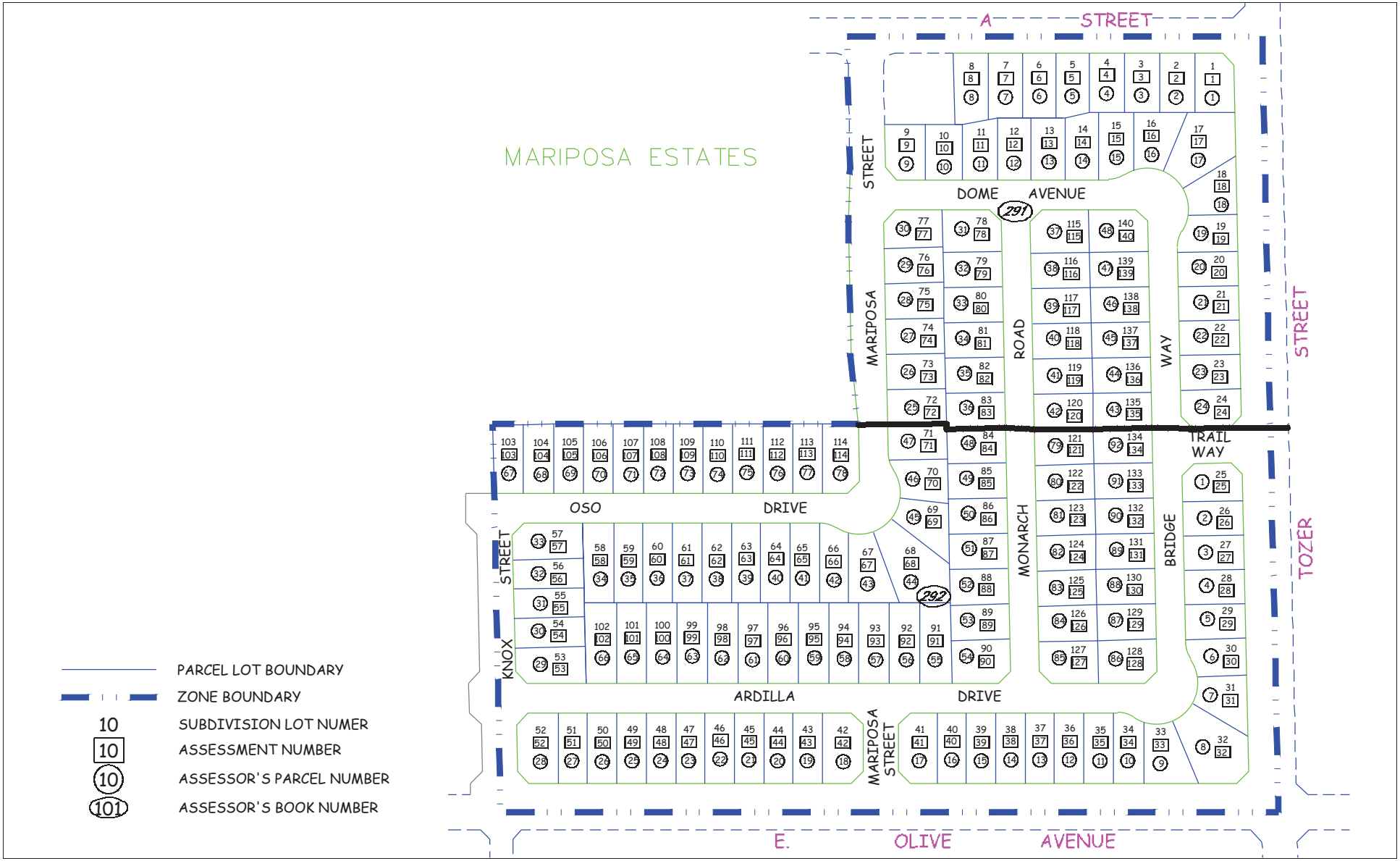
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (272) ASSESSOR'S BLOCK NUMBER.

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ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 35
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
SANTA BARBARA ESTATES
REV. JULY 2010

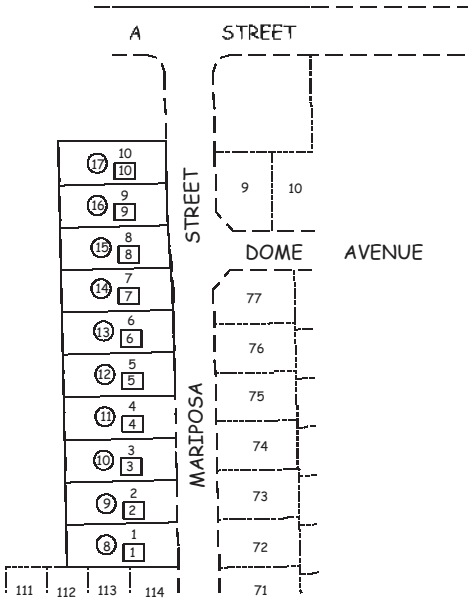


ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 36A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

LANDSCAPE MAINTENANCE DISTRICT
MARIPOSA ESTATES

REV. JULY 2010



PARCEL LOT BOUNDARY

ZONE BOUNDARY

10 SUBDIVISION LOT NUMER

10 ASSESSMENT NUMBER

10 ASSESSOR'S PARCEL NUMBER

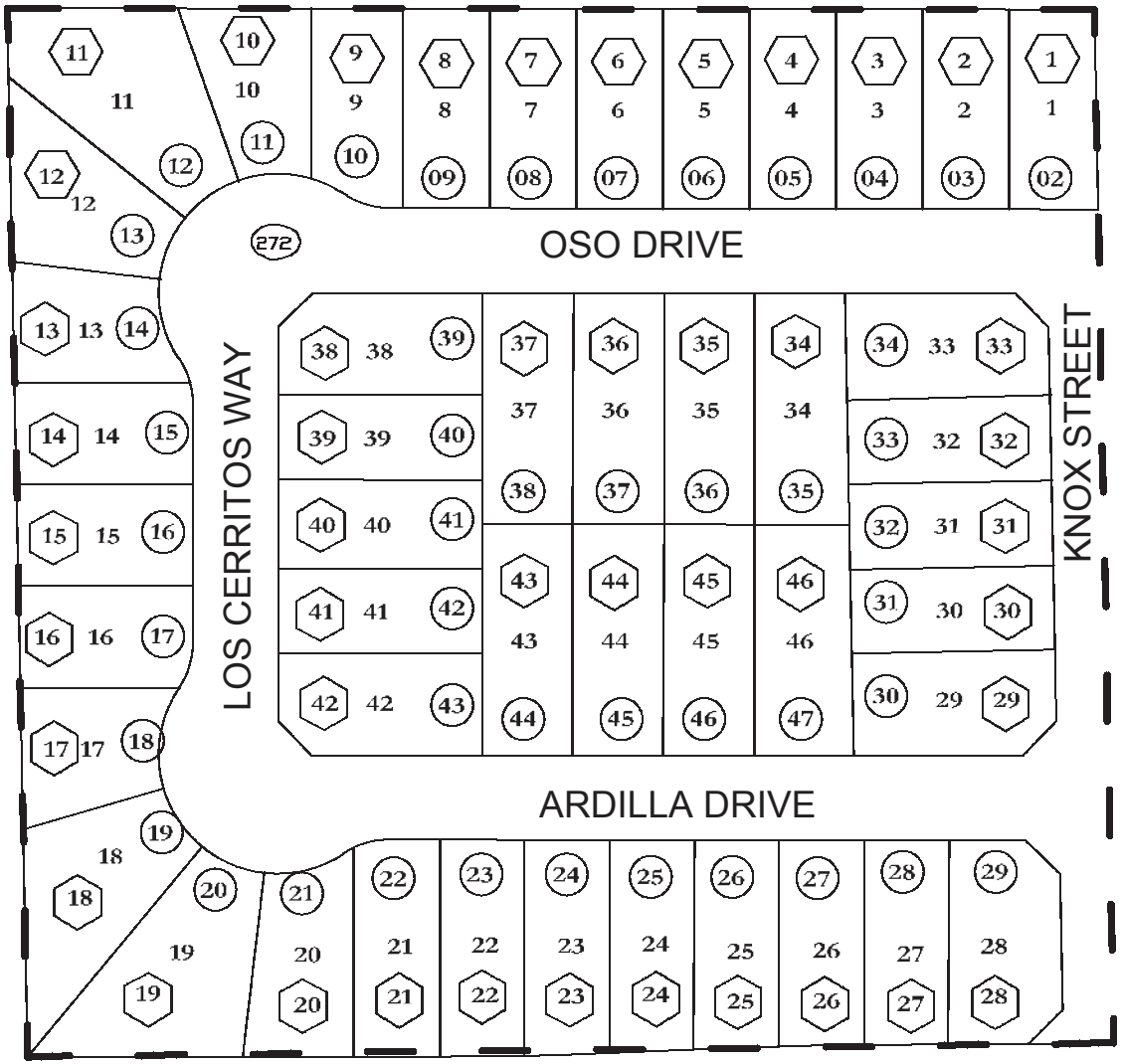
101 ASSESSOR'S BOOK NUMBER

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 36B
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

LANDSCAPE MAINTENANCE DISTRICT
MARIPOSA ESTATES PHASE II

REV. JULY 2010





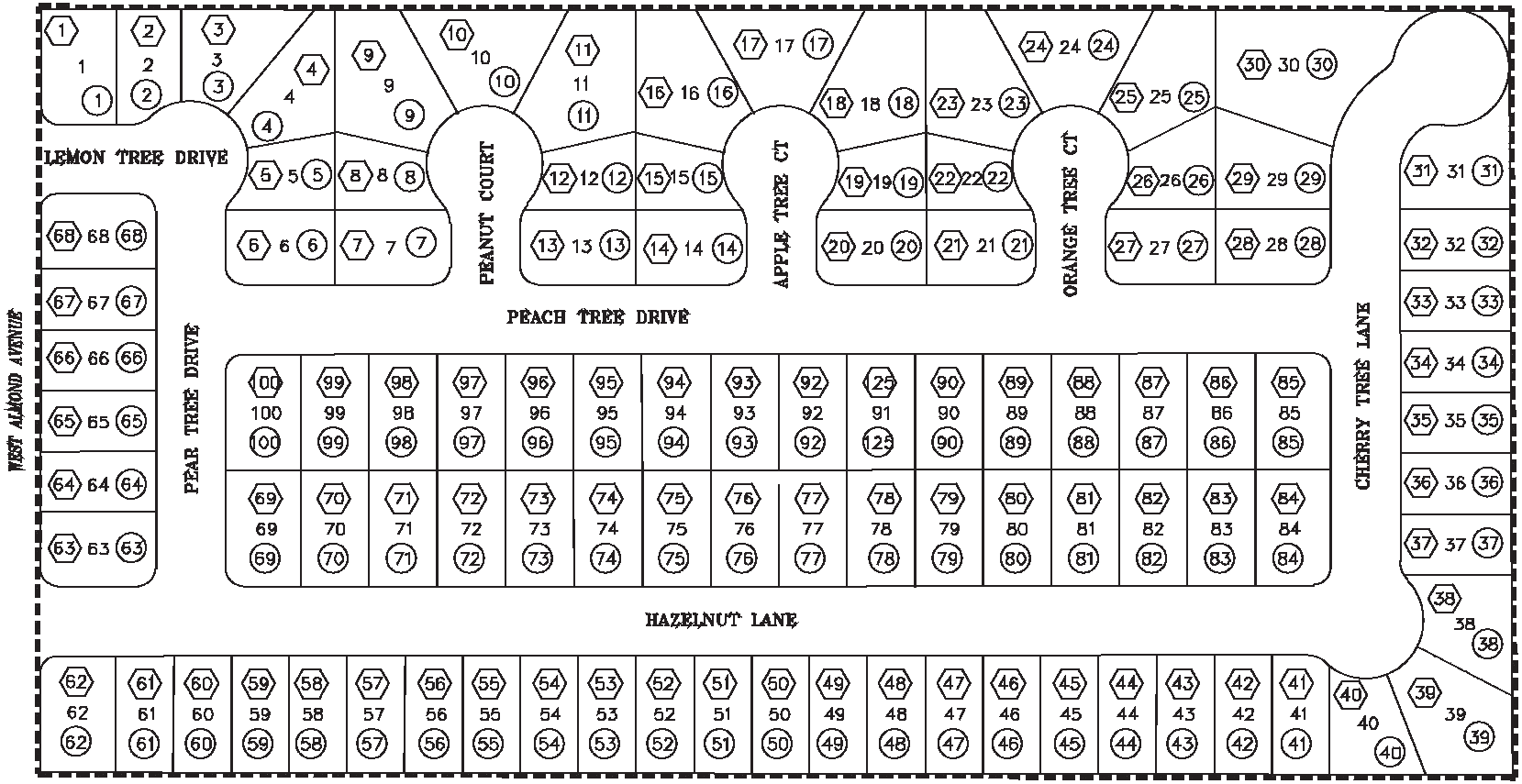
LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- 272 ASSESSOR'S BLOCK NUMBER.

AN 18" X 26" VERSION OF THIS MAP HAS BEEN RECORDED WITHIN BOOK 4 OF OF MAPS OF ASSESSMENT DISTRICTS, PAGES 118 THROUGH 183, ON AUGUST 17, 2007, AS DOC. NO. 2007030644

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 36C
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
OLIVE ESTATES
REV. JULY 2010



LEGEND

- PARCEL LOT BOUNDARY
- ZONE BOUNDARY
- 1 SUBDIVISION LOT NUMBER
- (1) ASSESSMENT NUMBER
- (1) ASSESSOR'S PARCEL NUMBER
- (101) ASSESSOR'S BLOCK NUMBER

SCALE: 1" = 100'

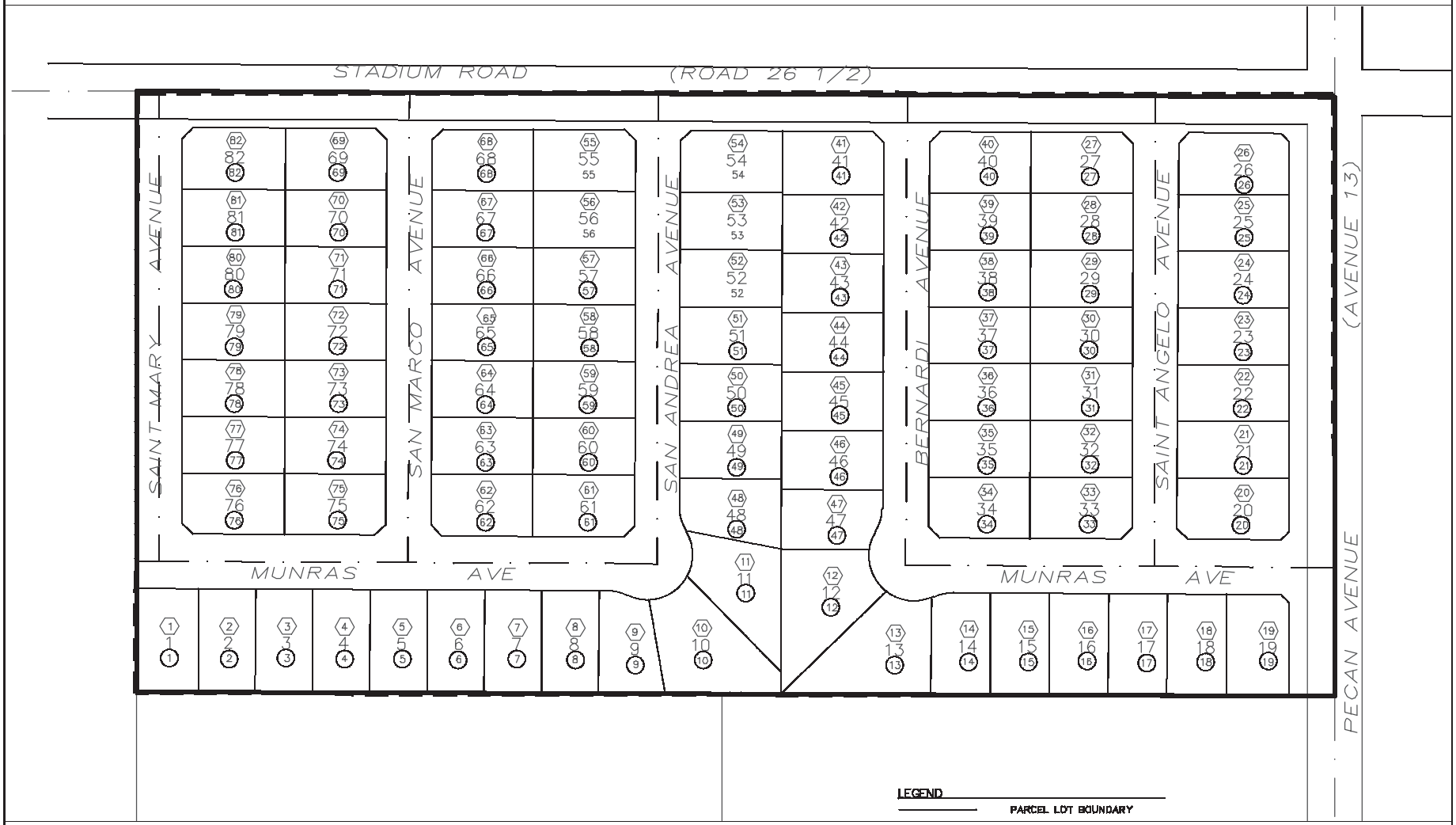
0 50 100 200

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 37
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

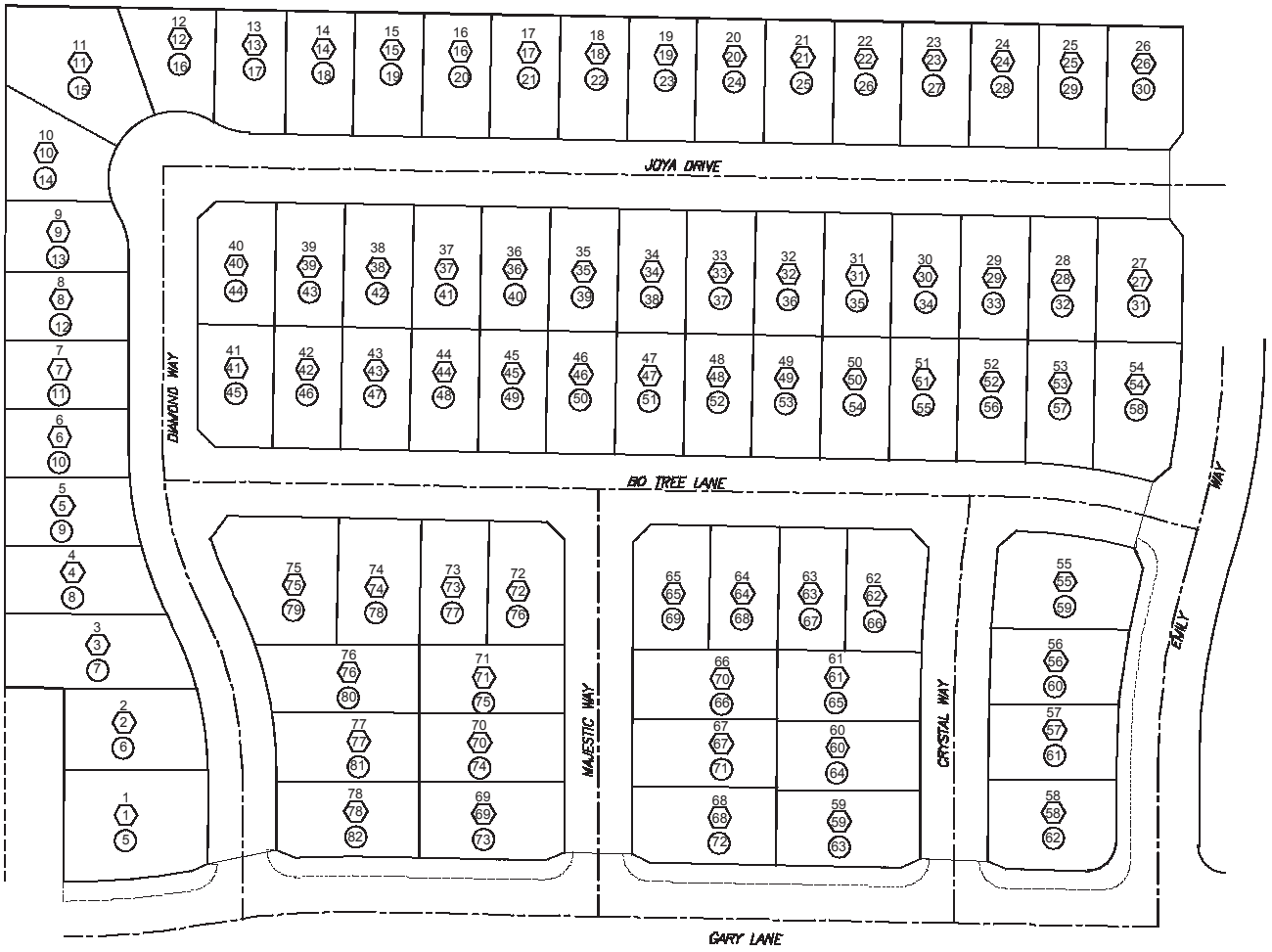
ALMOND TREE ESTATES

REV. JULY 2010



ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 39
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
CARMEL HOMES
PHASE III
REV. JULY 2010



LEGEND

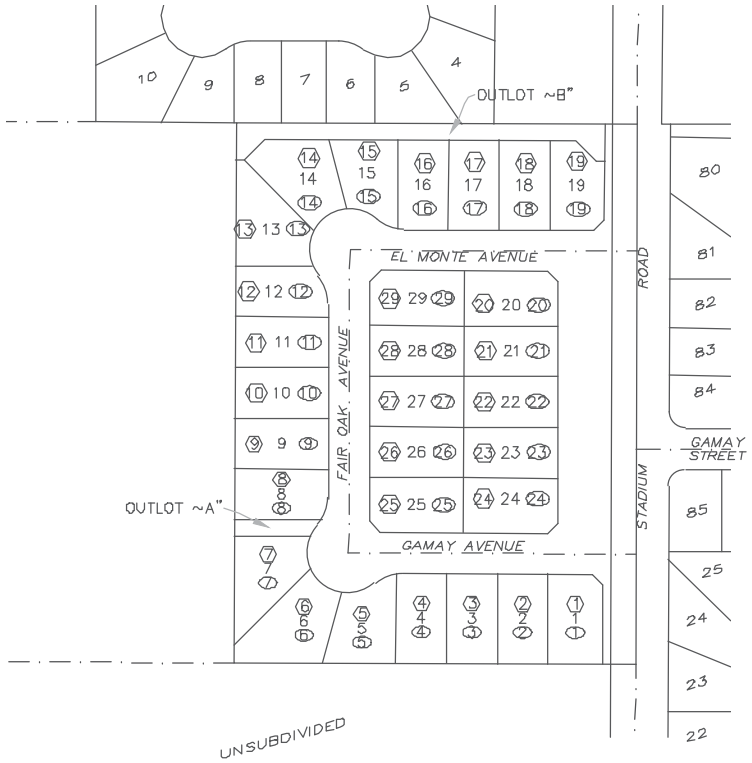
- PARCEL LOT BOUNDARY
- ZONE BOUNDARY
- 1 SUBDIVISION LOT NUMBER
- (1) ASSESSMENT NUMBER
- 1 ASSESSOR'S PARCEL NUMBER
- (1) ASSESSOR'S BLOCK NUMBER

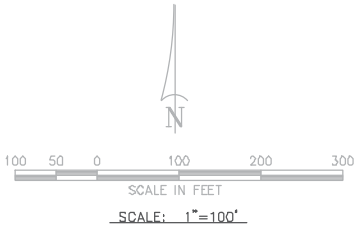
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 40
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

TIERRA VISTA ESTATES

REV. JULY 2010





LEGEND

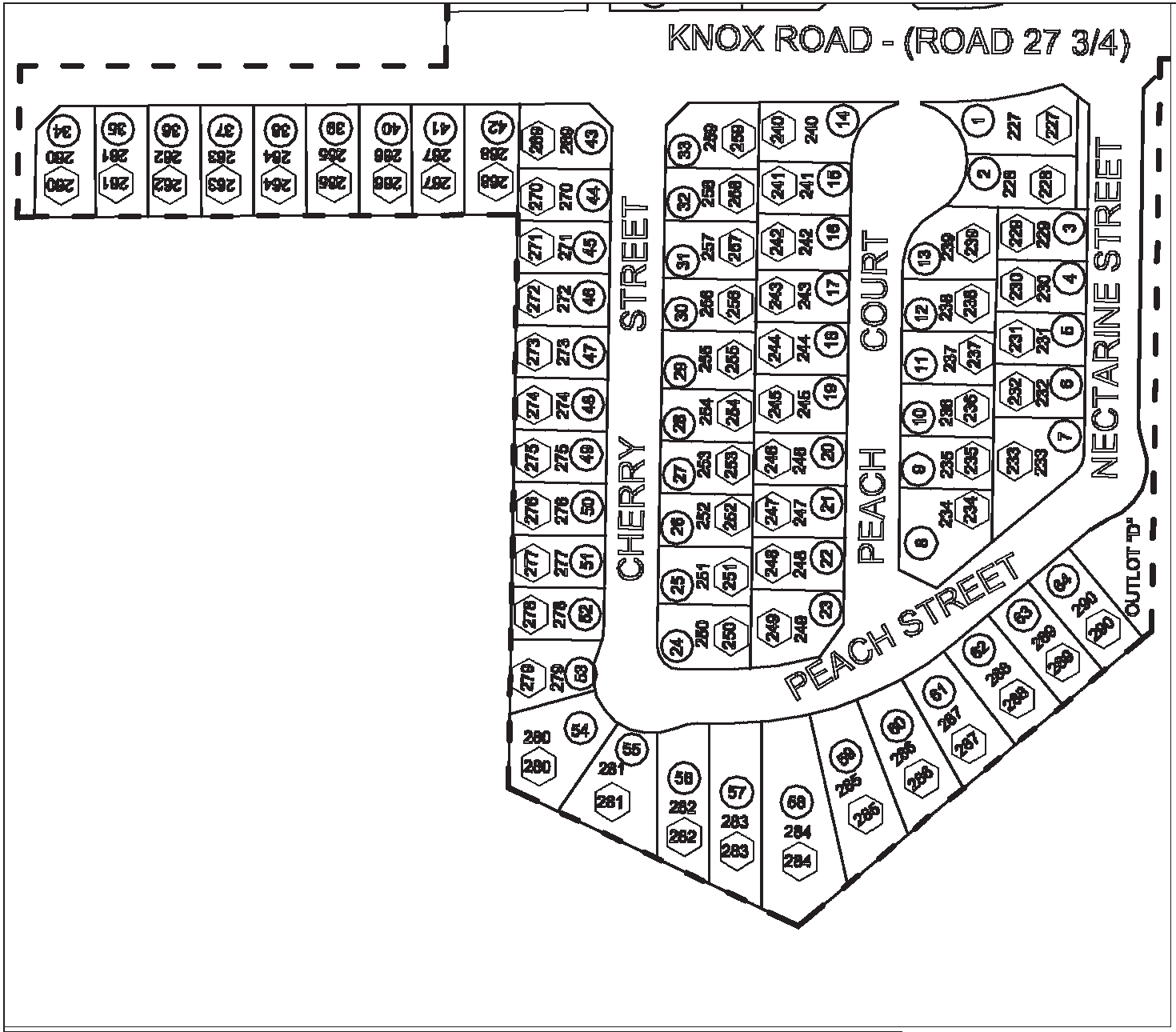
———	PARCEL LOT BOUNDARY.
———	ZONE BOUNDARY.
1	SUBDIVISION LOT NUMBER.
⟨1⟩	ASSESSMENT NUMBER.
⟨1⟩	ASSESSOR'S PARCEL NUMBER.

POND PLACE ESTATES

ASSESSMENT DIAGRAM

MADERA LANDSCAPE MAINTENANCE DISTRICT
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA
ZONE 41

CITY OF MADERA
POND PLACE ESTATES
REV. JULY 2010

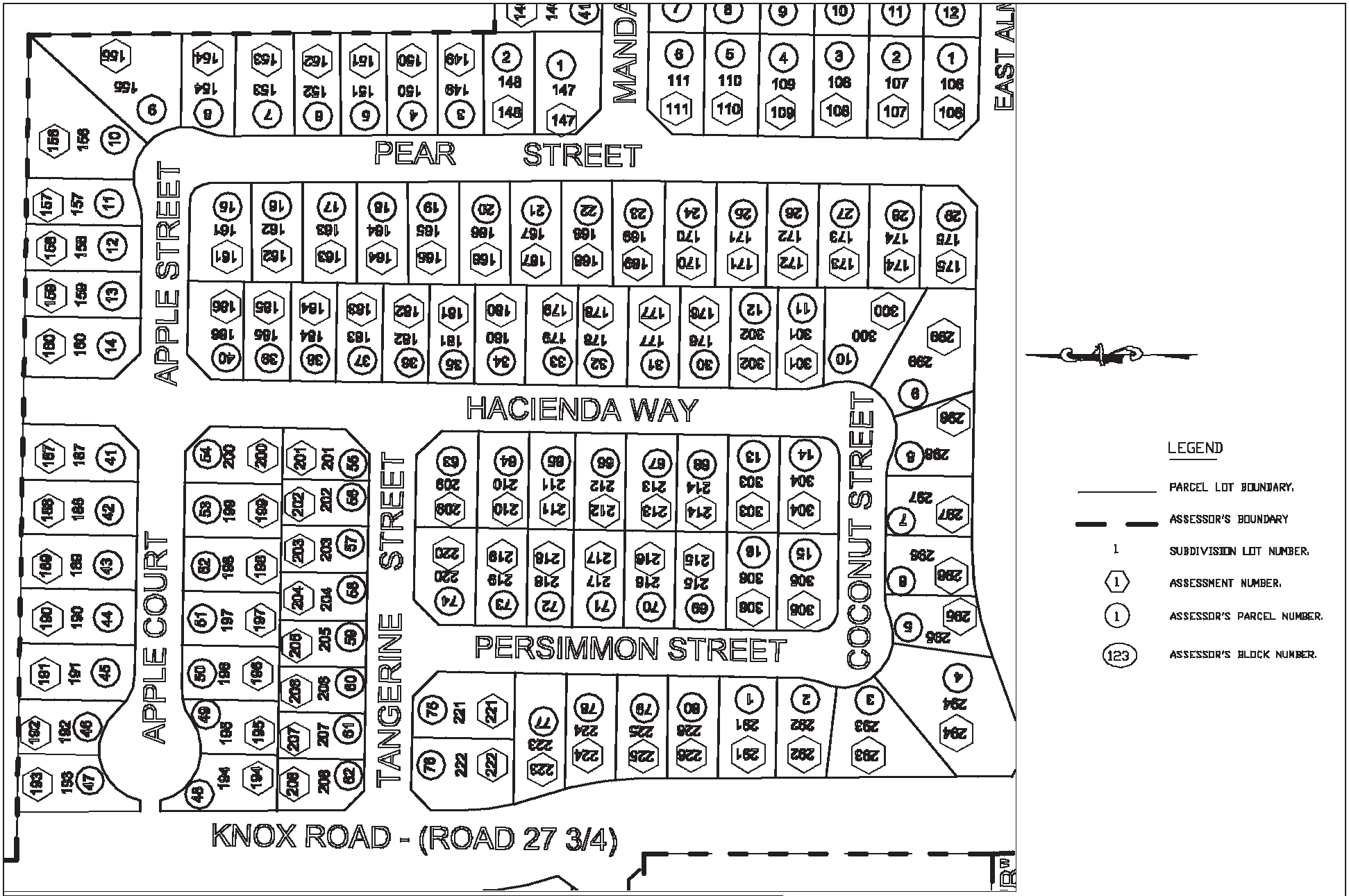


LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- 1 ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

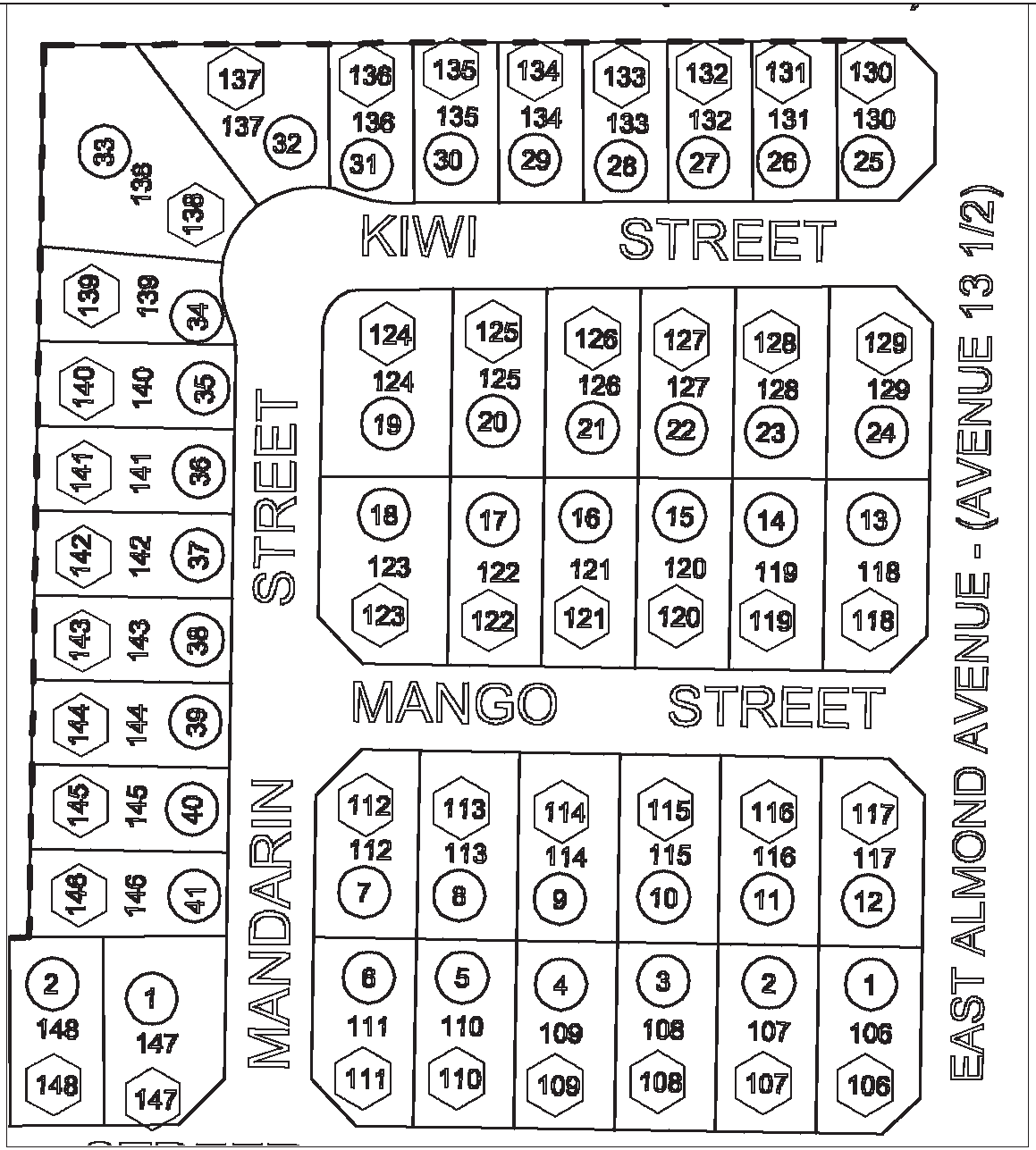
ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 43A (PAGE 1 OF 4)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
ORCHARD POINTE PHASE I&II
REV. JULY 2010



ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 43A (PAGE 2 OF 4)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
ORCHARD POINTE PHASE I&II
REV. JULY 2010

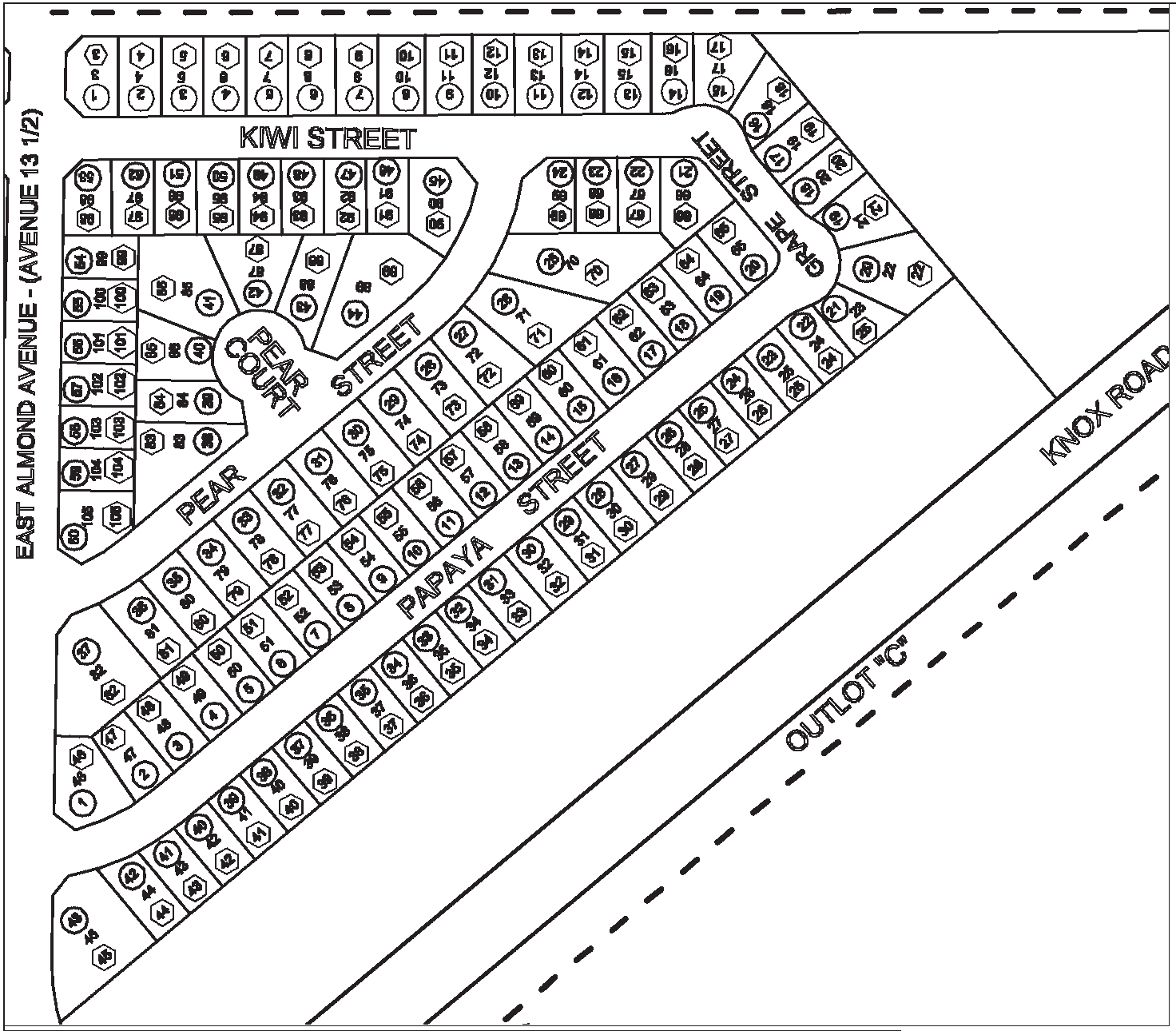


LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 43A (PAGE 3 OF 4)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
ORCHARD POINTE PHASE I&II
REV. JULY 2010

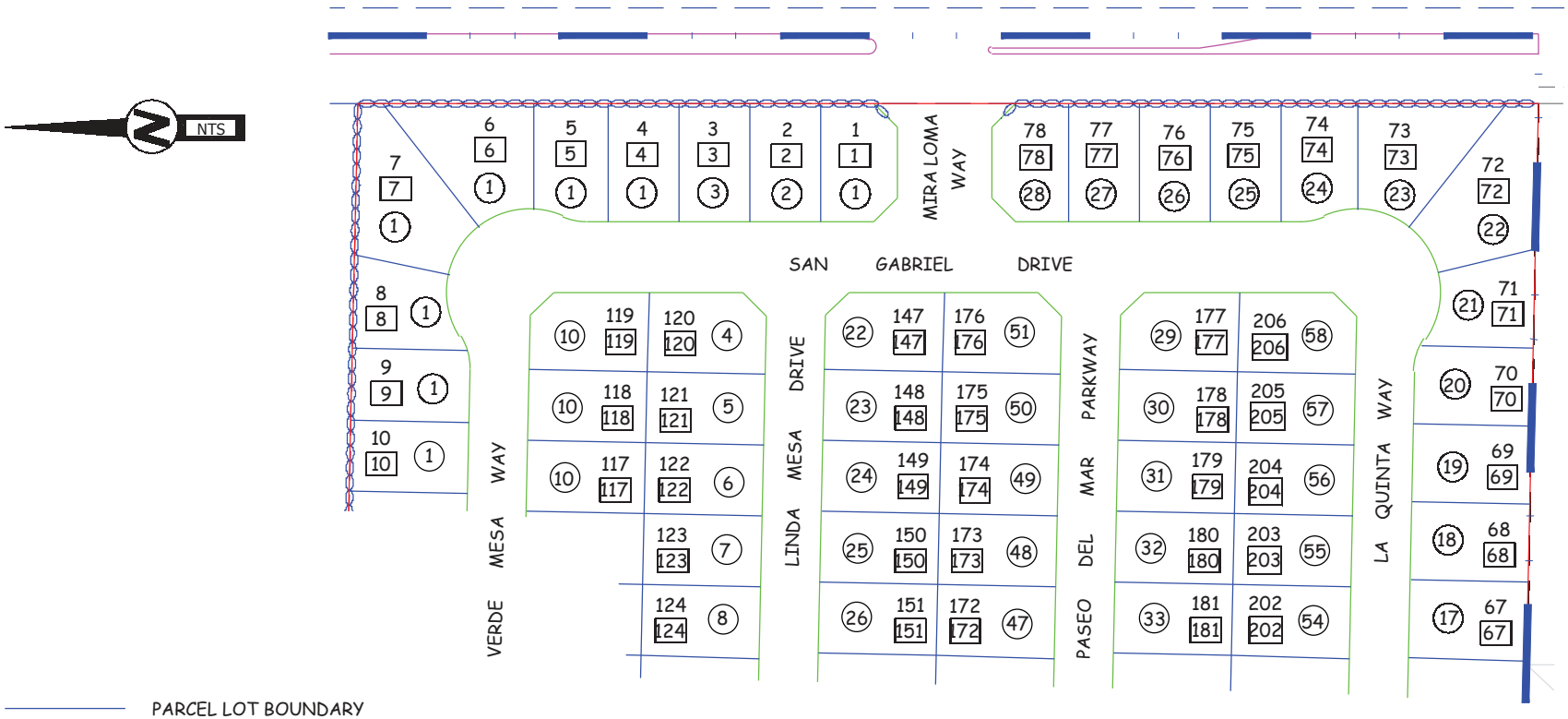


LEGEND

- PARCEL LOT BOUNDARY.
- ASSESSOR'S BOUNDARY
- 1 SUBDIVISION LOT NUMBER.
- (1) ASSESSMENT NUMBER.
- (1) ASSESSOR'S PARCEL NUMBER.
- (123) ASSESSOR'S BLOCK NUMBER.

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 43A (PAGE 4 OF 4)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
ORCHARD POINTE PHASE I&II
REV. JULY 2010



ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 43C (PAGE 1 OF 3)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

LANDSCAPE MAINTENANCE DISTRICT 43C
EL CORONADO ESTATES

REV. JULY 2010

PARCEL LOT BOUNDARY

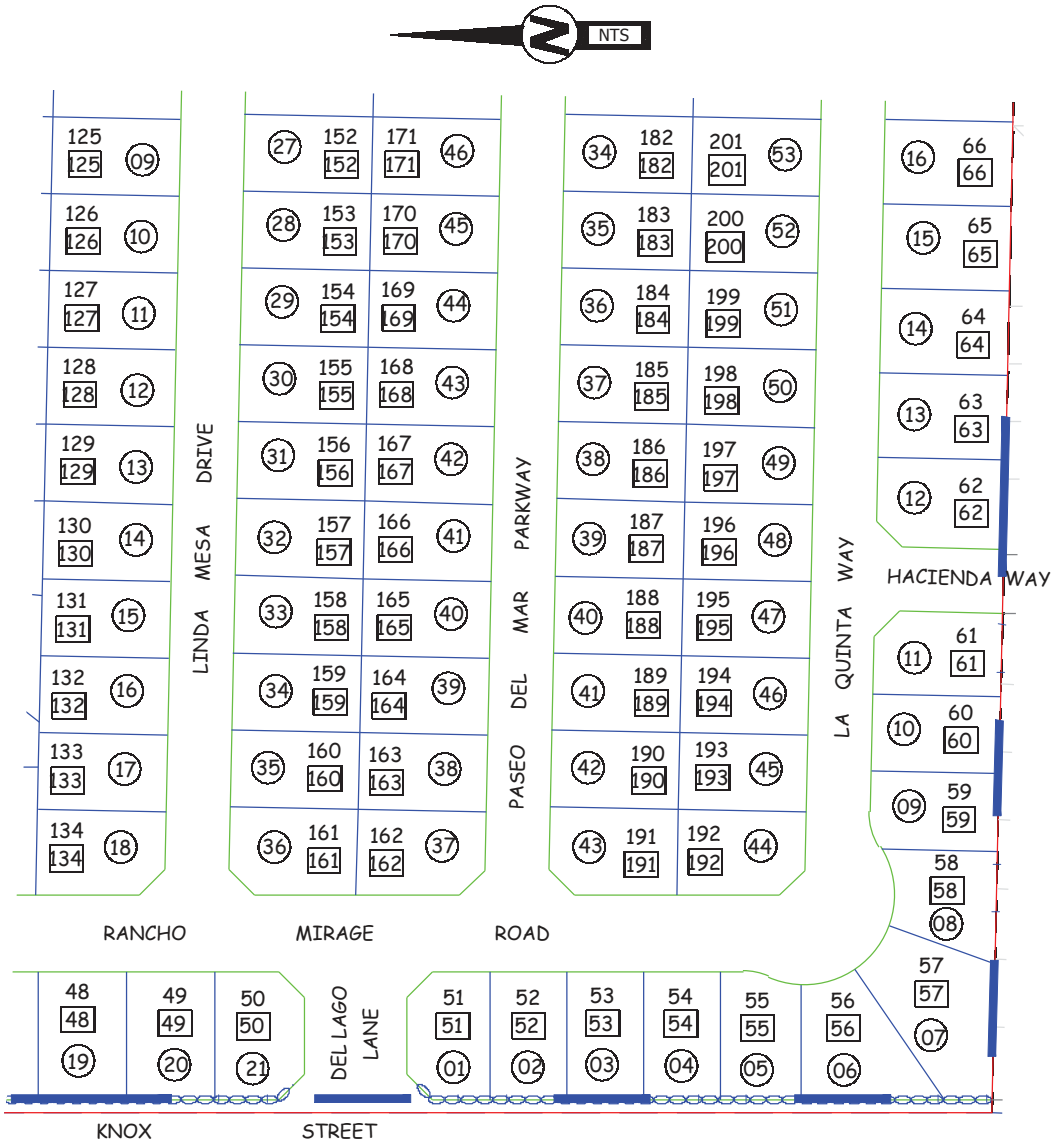
ZONE BOUNDARY

10 SUBDIVISION LOT NUMER

10 ASSESSMENT NUMBER

10 ASSESSOR'S PARCEL NUMBER

101 ASSESSOR'S BOOK NUMBER

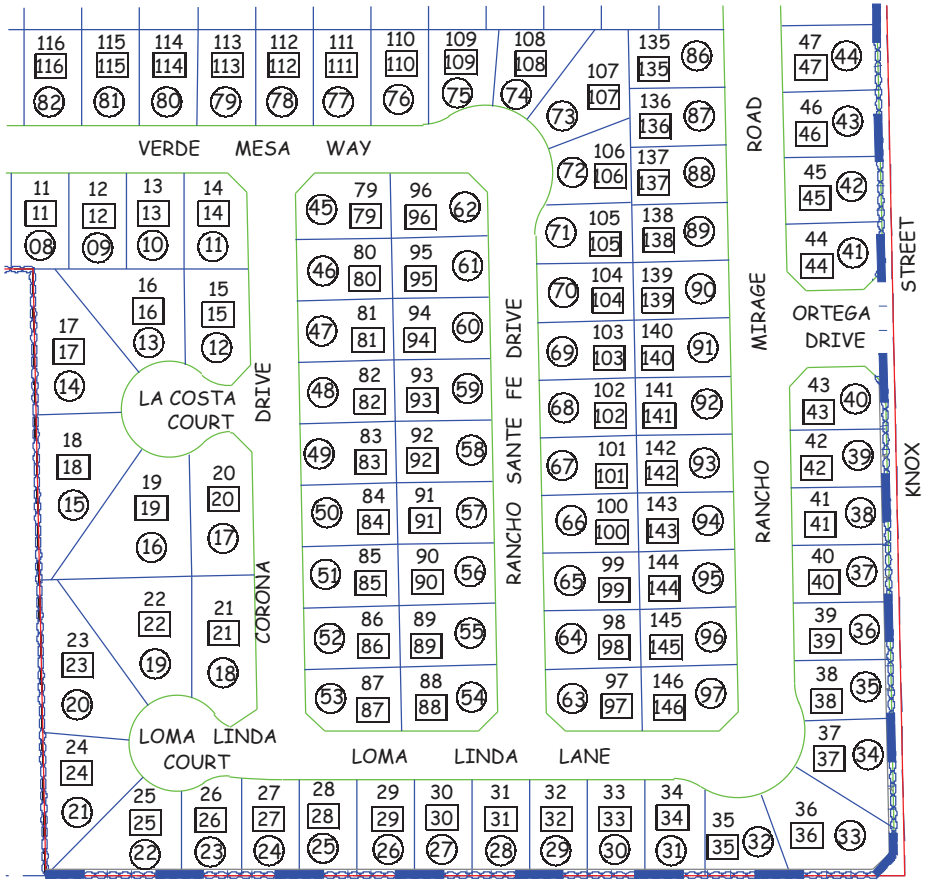


ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 43C (PAGE 2 OF 3)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

LANDSCAPE MAINTENANCE DISTRICT 43C
EL CORONADO ESTATE

REV. JULY 2010



PARCEL LOT BOUNDARY

ZONE BOUNDARY

10 SUBDIVISION LOT NUMER

10 ASSESSMENT NUMBER

10 ASSESSOR'S PARCEL NUMBER

101 ASSESSOR'S BOOK NUMBER

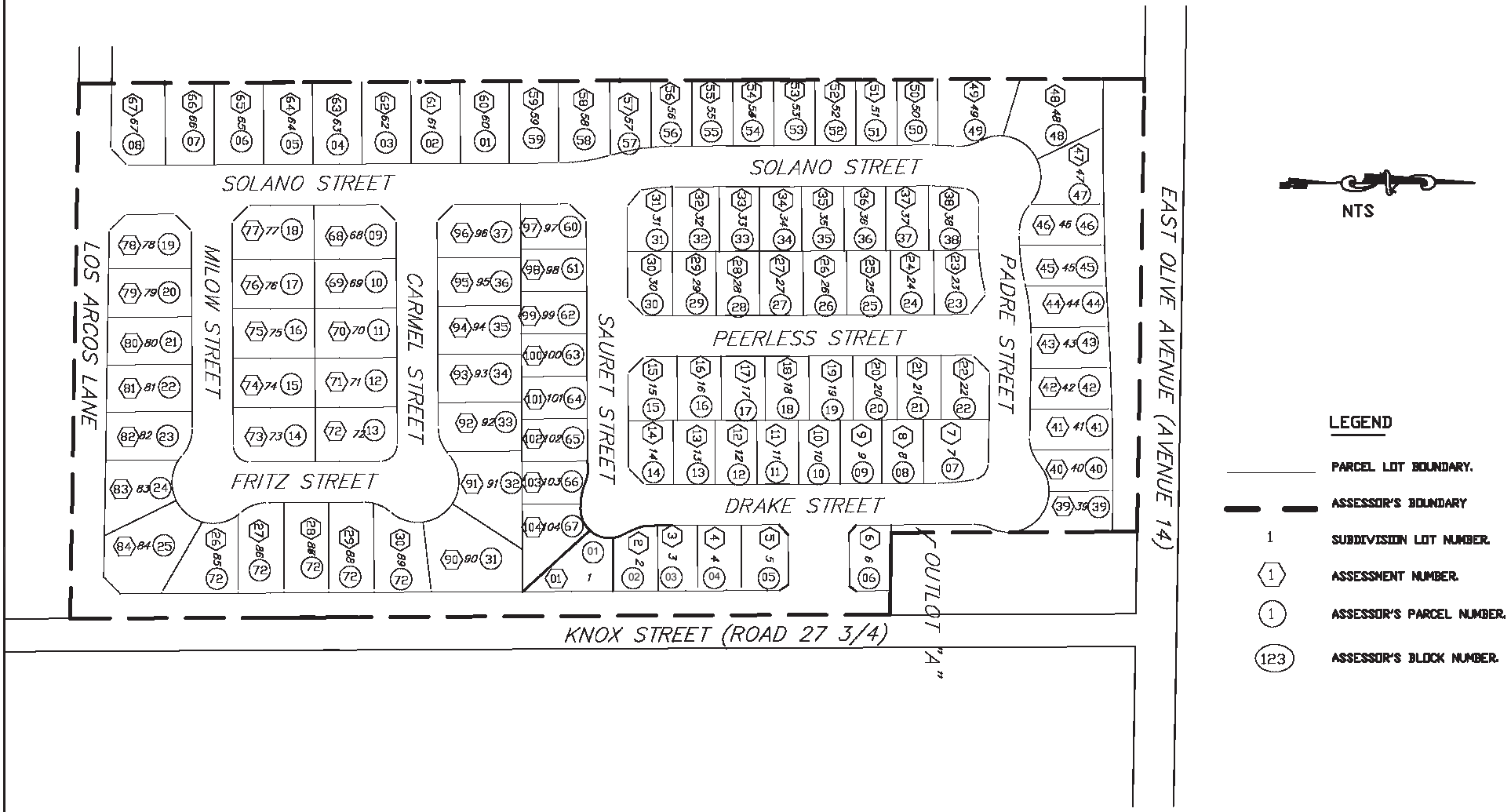
NTS

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 43C (PAGE 3 OF 3)
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

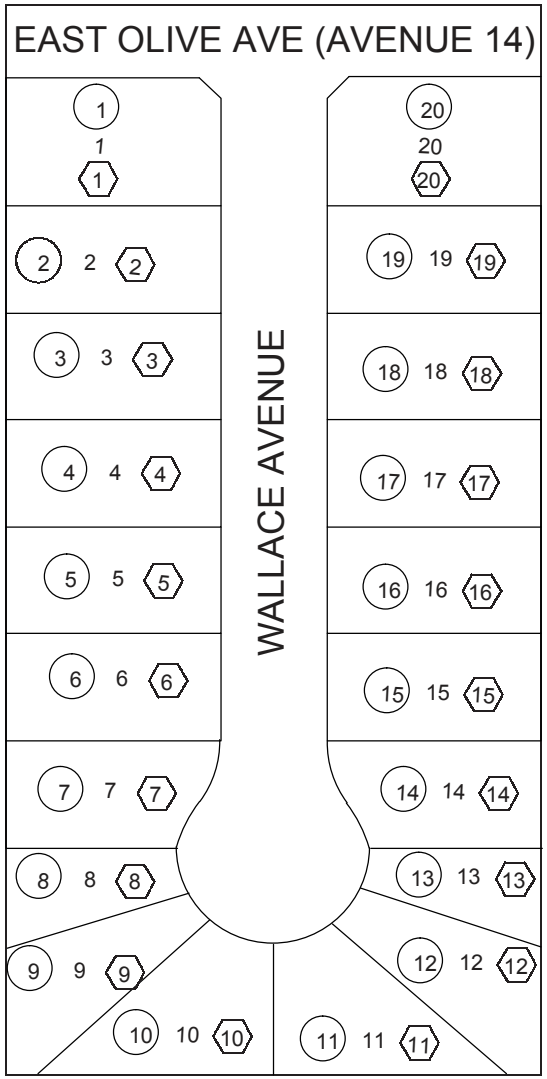
LANDSCAPE MAINTENANCE DISTRICT 43C
EL CORONADO ESTATE

REV. JULY 2010



ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 43D
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
ALMOND VILLAGE ESTATES
REV. JULY 2009



LEGEND

PARCEL LOT BOUNDARY.

ASSESSOR'S BOUNDARY

1 SUBDIVISION LOT NUMBER.

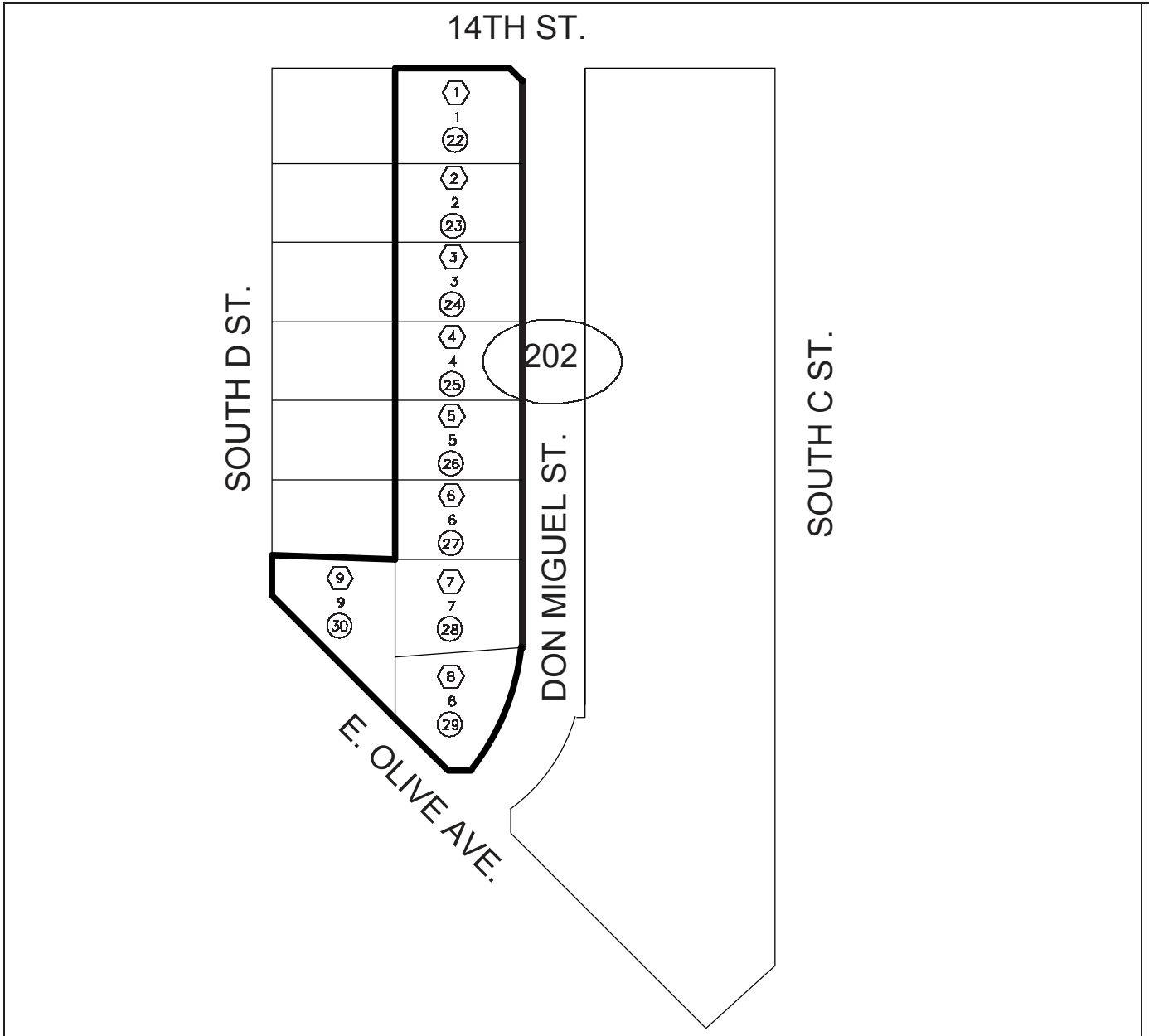
(1) ASSESSMENT NUMBER.

(1) ASSESSOR'S PARCEL NUMBER.

(123) ASSESSOR'S BLOCK NUMBER.

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 43E
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA
TAYLOR ESTATES
REV. JULY 2010



LEGEND

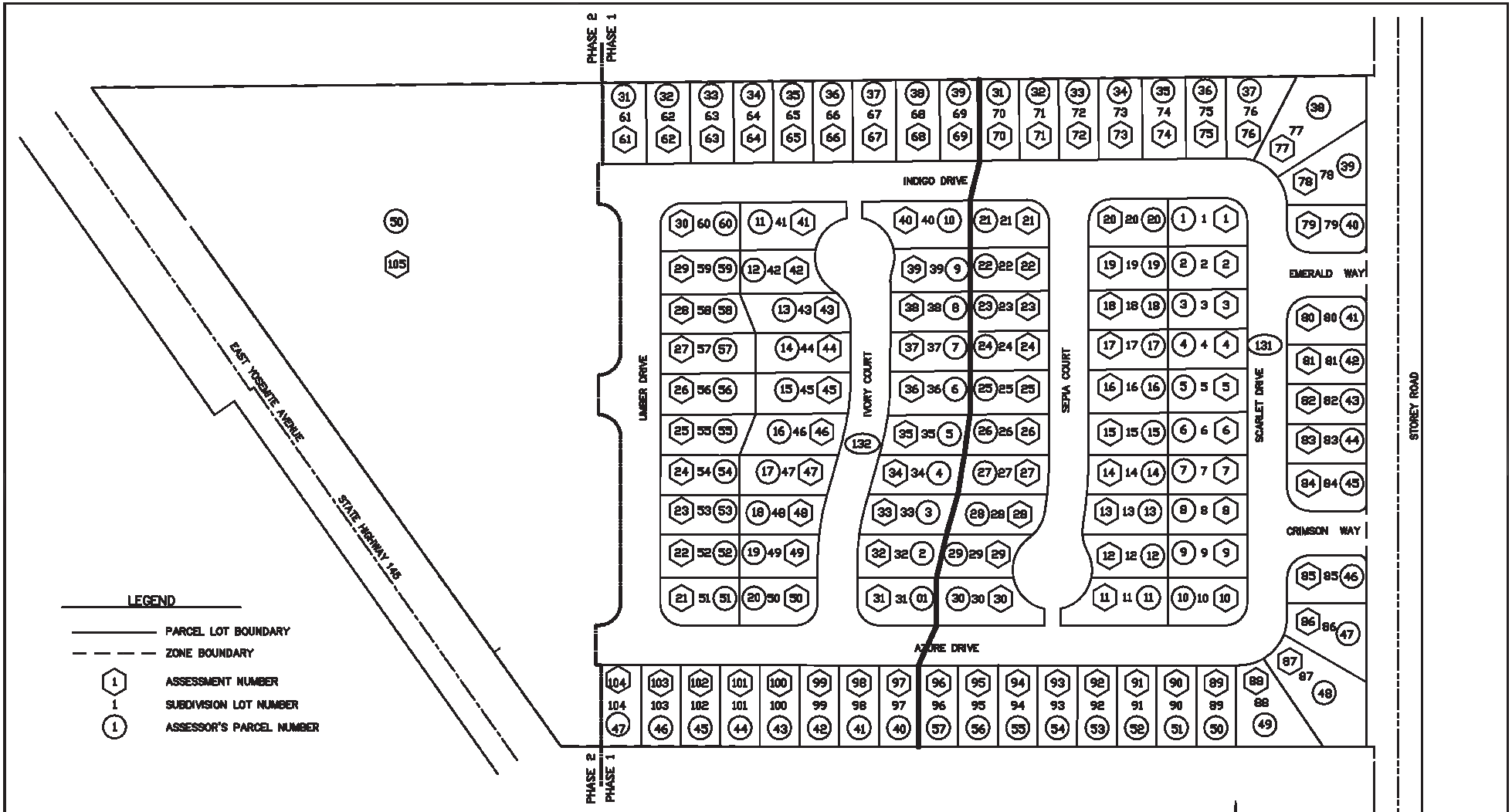
- PARCEL LOT BOUNDARY
- ZONE BOUNDARY
- 1 SUBDIVISION LOT NUMBER
- (1) ASSESSMENT NUMBER
- (1) ASSESSOR'S PARCEL NUMBER
- (###) ASSESSOR'S BLOCK NUMBER

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 44
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

SIERRA VISTA
ESTATES III

REV. JULY 2010

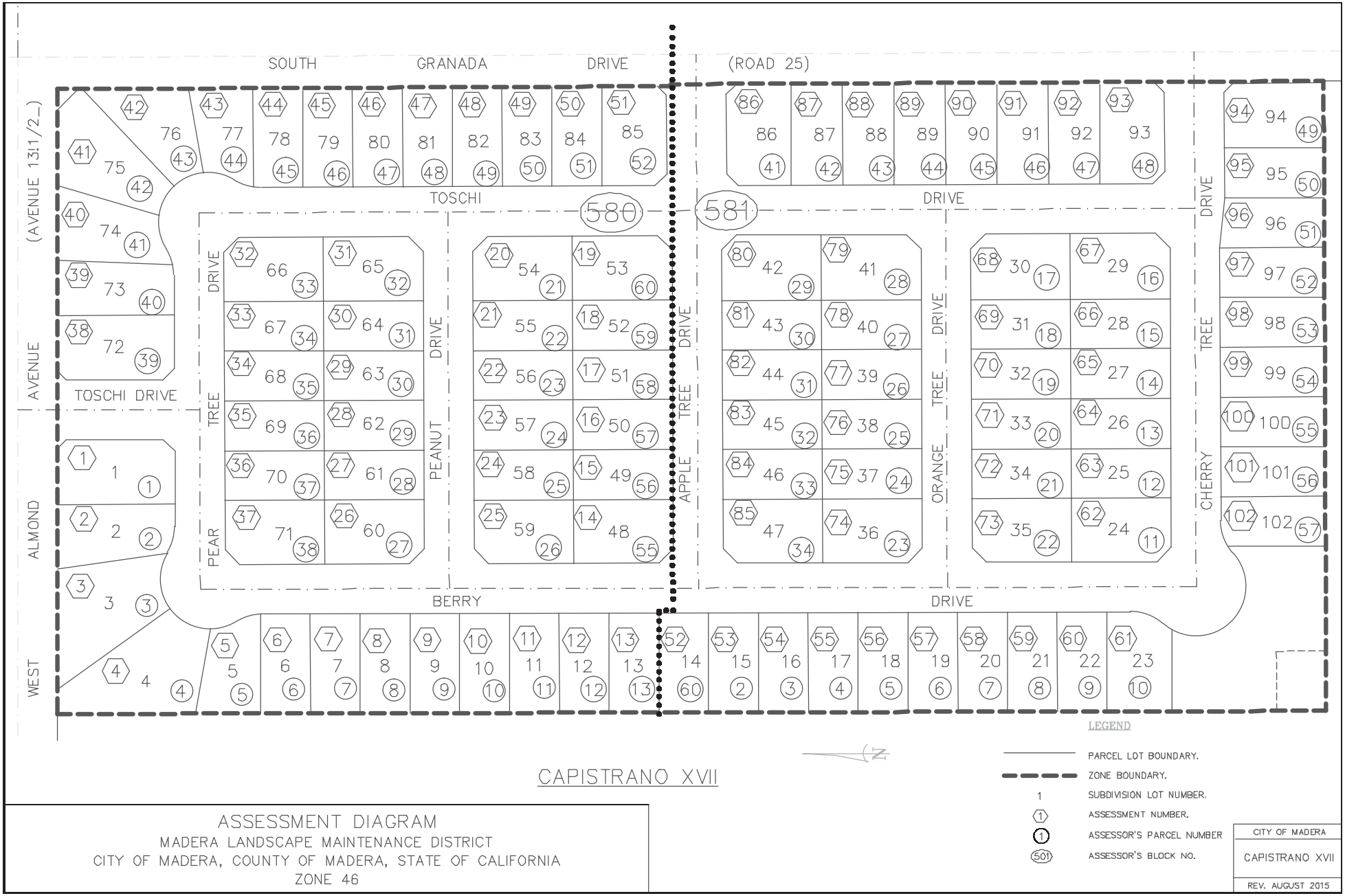


ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
ZONE 45A
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

SIENNA ESTATES
PHASE 1 & 2

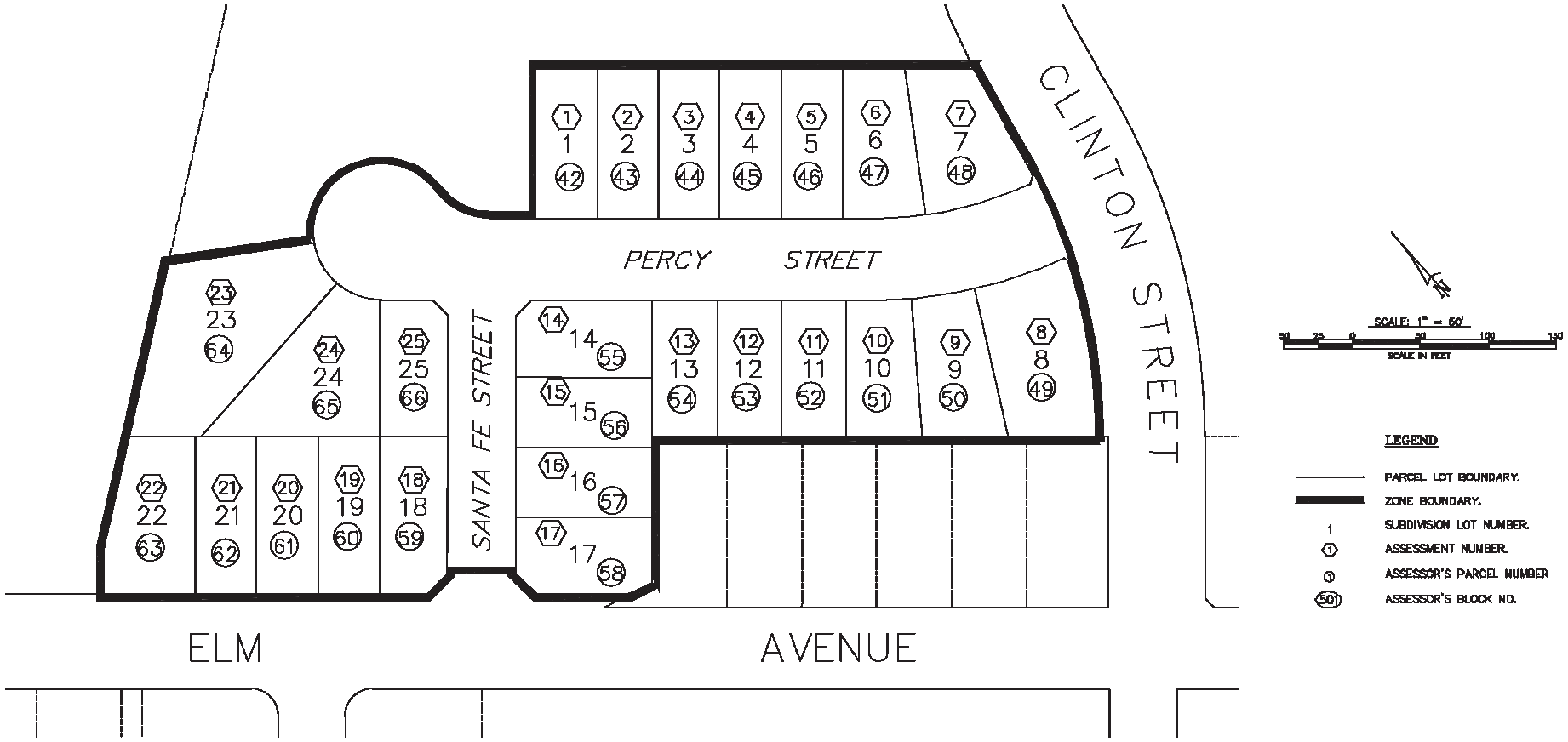
REV. JULY 2010



CAPISTRANO XVII

ASSESSMENT DIAGRAM

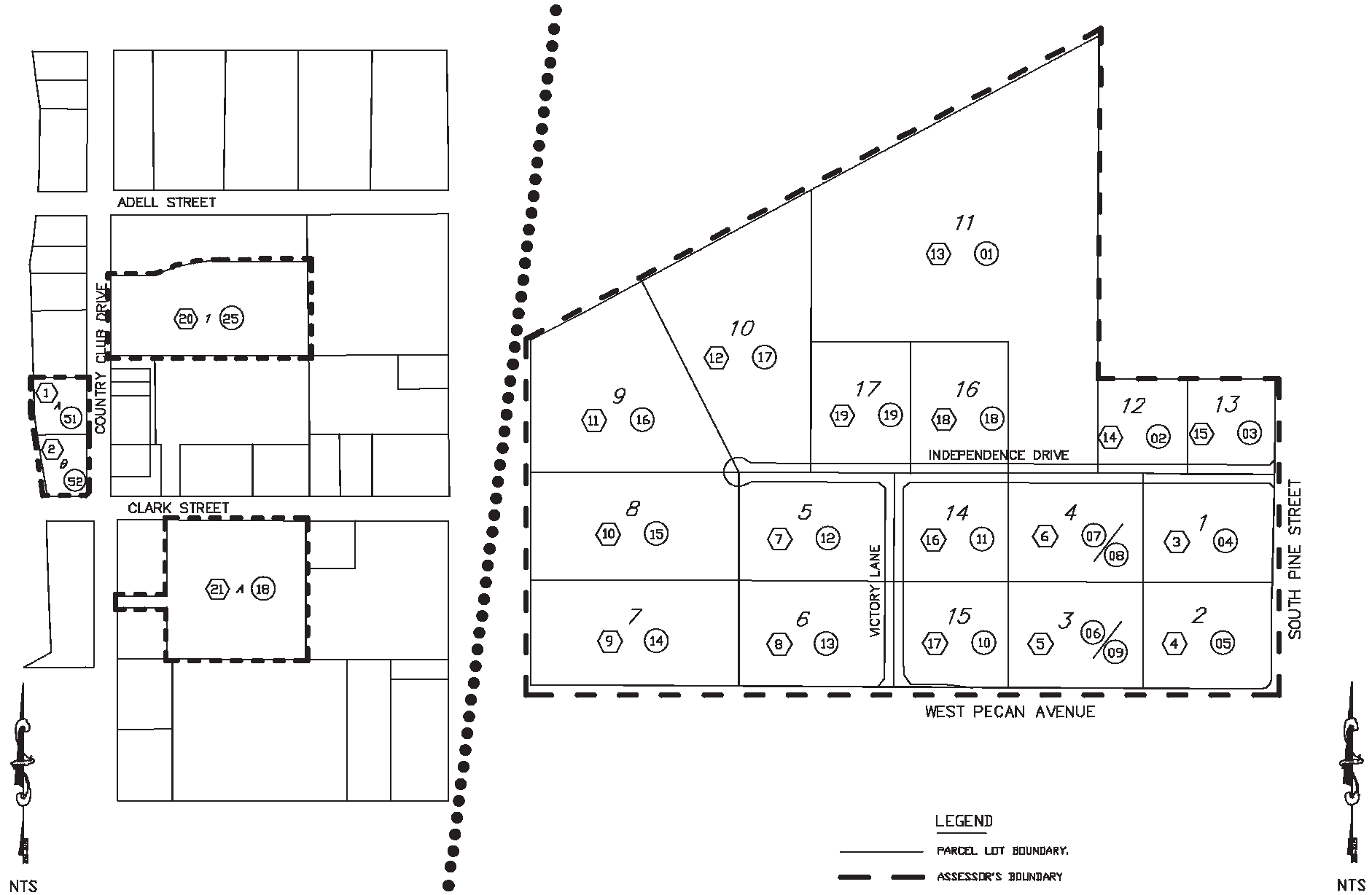
MADERA LANDSCAPE MAINTENANCE DISTRICT
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA
ZONE 46



SUGAR PINE VILLAGE

ASSESSMENT DIAGRAM
MADERA LANDSCAPE MAINTENANCE DISTRICT
CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA
ZONE 50

CITY OF MADERA
SUGAR PINE VILLAGE
JANUARY 2008



ASSESSMENT DIAGRAM

MADERA LANDSCAPE MAINTENANCE DISTRICT - ZONE 51

CITY OF MADERA, COUNTY OF MADERA, STATE OF CALIFORNIA

CITY OF MADERA

RED ROCK RETAIL CENTER
TRACTOR SUPPLY CO
FALLAS PAREDES
FREEDOM INDUSTRIAL PARK

REV. APRIL 2015

Return to Agenda

Council Meeting Date: July 20, 2016
Agenda Item No. D-1

Sonia Alvarez

From: leach.rd@gmail.com
Sent: Wednesday, June 15, 2016 12:33 PM
To: Sonia Alvarez
Subject: In God We Trust Initative

Sonia,
By the request of the Mayor, I am requesting an agenda item for the July 20, regular meeting of the City Council for the purpose of a resolution of the Council to adopt the "In God We Trust" motto in the council chambers. I would like to be placed on the agenda for a brief statement for about 5-8 minutes to explain the proposal.
Thank you for the opportunity to be able to speak on this item.
Sincerely,
Roger Leach
Pastor, Valley West Christian Center

Sent from my iPhone

RECEIVED
City of Madera City Clerk
By: S Alvarez
Date: 6/15/16

Return to Agenda

REPORT TO CITY COUNCIL

APPROVED BY:

DEPARTMENT DIRECTOR

CITY ADMINISTRATOR

COUNCIL MEETING OF July 20, 2016
AGENDA ITEM NUMBER E-1

SUBJECT: CONSIDERATION OF A RESOLUTION APPROVING THE PURCHASE OF AN EASEMENT OVER REAL PROPERTY, AND ACCEPTING TWO EASEMENT DEEDS AS DONATIONS FROM PROPERTY OWNERS, ON BEHALF OF THE CITY OF MADERA, IN CONNECTION WITH THE MAX BUS SHELTERS AND AMENITIES PROJECT

RECOMMENDATION:

That the City Council approves Resolution No. 16-____:

1. Approving the purchase of an easement over real property for a nominal price and accepting the easement deed.
2. Accepting two easement deeds as donations from property owners.
3. Authorizing the City Clerk to prepare and execute the Certificates of Acceptance.
4. Authorizing the City Clerk to record the easement deeds with the Madera County Clerk/Recorder.

SUMMARY:

The City of Madera Grants Department has proposed the installation of MAX Bus Shelters and Amenities at 21 locations throughout the City. The improvements will consist of concrete pads, bus shelter structures, benches, and trash receptacles.

The installation of the Bus Shelters and amenities are to be built at locations within designated existing Bus Stop signs and the designated bus routes. Eighteen (18) locations can be constructed within the City right of way while the remaining 3 locations identified in Exhibit "A" attached herewith require right of way easements to accommodate the proposed improvements.

DISCUSSION:

Pursuant to State and Federal legal requirements, a written offer to purchase was made to all three property owners. These easements are limited in area and are all within existing sidewalks at existing MAX bus stops. The owners were each offered the minimum amount of $500.00 based on the "nominal valuations" for just compensation consistent with Caltrans Procedures and Code of Federal Regulations, Title 49. Since the improvements represent a benefit to the adjacent properties, all the three owners were offered the opportunity to donate the areas in question to the City as provided by law and by the City of Madera Administrative Policy. Out of the three property owners, one has decided to accept the $500.00 offer and has already signed and notarized the easement deed. The remaining two (2) owners donated the affected portions of their properties.

FISCAL IMPACT:

There is no impact to the City's General Fund for the right of way and construction costs for this project. The project funding for the acquisition of the right of way is included in the 2015-16 Budget from Measure T – Transit Enhancement Fund 41500, account number 9162-5026.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN:

Strategy 121: Develop a city-wide multi-modal transportation plan to ensure safe, affordable and convenient transportation modes for residents and businesses within Madera.

Strategy 121.10: Add facilities and amenities for the public.

Strategy 138: ADA Compliance: Establish and enforce ADA standards throughout the community. The proposed easements are required to support this strategy.

RESOLUTION NO. 16-____

A RESOLUTION OF THE COUNCIL OF THE CITY OF MADERA APPROVING THE PURCHASE OF AN EASEMENT OVER REAL PROPERTY, AND ACCEPTING TWO EASEMENT DEEDS AS DONATIONS FROM PROPERTY OWNERS, ON BEHALF OF THE CITY OF MADERA, IN CONNECTION WITH THE MAX BUS SHELTERS AND AMENITIES PROJECT

WHEREAS, the City of Madera Grants Department is proposing to install MAX Bus Shelters and amenities (Project) at 21 locations throughout the City; and

WHEREAS, the Project requires right of way easements at three proposed locations for the construction of these bus shelters and amenities; and

WHEREAS, one (1) property owner of record, listed in Exhibit A attached hereto, has offered for sale to the City of Madera the interest in real property necessary for the Project; and

WHEREAS, two (2) property owners of record, listed in Exhibit A attached hereto, have offered as donations to the City of Madera the interest in real properties necessary for the Project; and

WHEREAS, the property acquired is more specifically described in the legal descriptions included in the Purchase of Real Property and Easement Deeds; and

WHEREAS, the interest in purchase price offered for the properties has been established as a "nominal valuation" for just compensation in accordance with the Code of Federal Regulations, Title 49; and

WHEREAS, the deeds recommended for approval and acceptance are on file in the office of the City Clerk.

WHEREAS, the property owners listed in Exhibit "A" have signed the easement deeds on the dates indicated, and the City Engineer is recommending that Council accept these easement deeds on behalf of the City; and

WHEREAS, the proposed use of the subject easements is categorically exempt from CEQA with the Notice of Exemption executed by the City of Madera on April 21, 2016 and filed with the Madera County Clerk on May 20, 2016.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF MADERA

HEREBY RESOLVES, FINDS, DETERMINES AND ORDERS AS FOLLOWS:

1. The above recitals are true and correct.

2. The City Council of the City of Madera approves the purchase of an easement over real property (APN No. 009-050-004), for a nominal purchase price and accepting the easement deed, and accepts two easement deeds (APN's 013-141-029 and 009-190-006) as donations from the property owners, copies of which are on file in the Office of the City Clerk and referred to for particulars, is hereby approved.

3. The Mayor is authorized to execute the agreements.

4. The City Clerk is authorized to prepare the Certificates of Acceptance of the easement deeds listed in Exhibit "A".

5. The City Clerk is authorized to record the easement deeds with the Madera County Clerk/Recorder.

6. This resolution is effective immediately upon adoption.

* * * * * * * *

EXHIBIT "A"

PROPERTY OWNER LIST

RIGHT OF WAY ACQUISITION

For

MAX BUS SHELTERS AND AMENITIES INSTALLATION, CITY OF MADERA

APN #	PROPERTY OWNER SITUS ADDRESS	AMOUNT
013 -141-029	Madera Professional Center Association Common Area fronting BAZ Allergy Center Madera, CA 93637	DONATION
009-190-006	Madera Unified School District 1904 Howard Road Madera, CA 93637	DONATION
009-050-004	Presbytery of San Joaquin 2012 Sunset Avenue Madera, CA 93637	$500.00

Richard Wyatt
Harvest Community Church

Hi Richard,

As we discussed earlier, the City of Madera is planning to construct certain MAX bus shelter improvements which require the acquisition of certain real property as described in the maps and legal descriptions which you have received.

This conveyance can either be by acquisition or by donation in the case of minor areas where there is a benefit to the adjacent property. This is in accordance with State and Federal law as well as City of Madera Administrative Policy. Also, City policy is to offer a minimum nominal payment of $500.00, and that amount would be applicable to the area in question on your property.

I am authorized by the City of Madera to offer on its behalf to all interested parties who may have an interest in the real estate to be acquired the sum of $500.00, which has been estimated to be just compensation for such property and rights based on the fair market value of the property.

The estimate of just compensation has been arrived at after giving consideration to the sales prices of other properties in the area which are similar to your property.

Please indicate by your signature below whether your organization would like to donate this area, or if you wish to receive the $500.00 nominal minimum amount, in which case you should also sign the attached Agreement for Purchase and Sale of Real Property. Please note that, even if you decide to donate the property, the easement deed signature must be notarized. This office can provide the notary service free of charge.

Very truly yours,

Christian M. Bach

Christian M. Bach
City Surveyor
(559) 661-5428
cbach@cirtyofmadera.com

We wish to donate the property as shown on the map and legal description:

_____
(Signature)

We wish to receive a nominal payment of $500.00 for the property shown on the map and legal description:

Leslie R. Hyder
(Signature)

RECORDING REQUESTED BY:
City of Madera
AFTER RECORDING RETURN TO:
City Clerk
City of Madera
205 W. 4th Street
Madera, CA 93637

Fee waived per Section 27383 of the Government Code No Fee Due 0

APN: 009-050-004

PUBLIC UTILITY EASEMENT

FOR A VALUABLE CONSIDERATION, RECEIPT OF WHICH IS HEREBY ACKNOWLEDGED, the **PRESBYTERY OF SAN JOAQUIN, A CALIFORNIA CORPORATION,** DOES HEREBY GRANT TO **THE CITY OF MADERA**, A MUNICIPAL CORPORATION OF THE STATE OF CALIFORNIA

An easement for street and any and all other municipal purposes over, under, through and across, on and in the following described real property in the City of Madera, California, County of Madera, State of California, being more particularly described as follows:

(See Exhibit 'A' attached hereto and made a part hereof)

Date: 6/15/16

By: Leslie R. Hyder
Property Owner Signature(s)

Leslie R. Hyder

NOTARY ACKNOWLEDGEMENT REQUIRED

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT **CIVIL CODE §1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Madera)

On 6/15/16 before me, Sonia Alvarez, Notary Public, personally appeared **Leslie R. Hyder**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Sonia Alvarez (Seal)

SONIA ALVAREZ
Commission # 2074373
Notary Public - California
Madera County
My Comm. Expires Aug 9, 2018

DESCRIPTION OF ATTACHED DOCUMENT *(OPTIONAL)*

Title or Type of Document: Public Utility Easement

Document Date: 6/15/16 Number of Pages:

Signer(s) Other Than Named Above:

CAPACITY(IES) CLAIMED BY SIGNER(S)

Signer's Name: Signer's Name:

Title: Title:

Exhibit 'A'

Legal Description

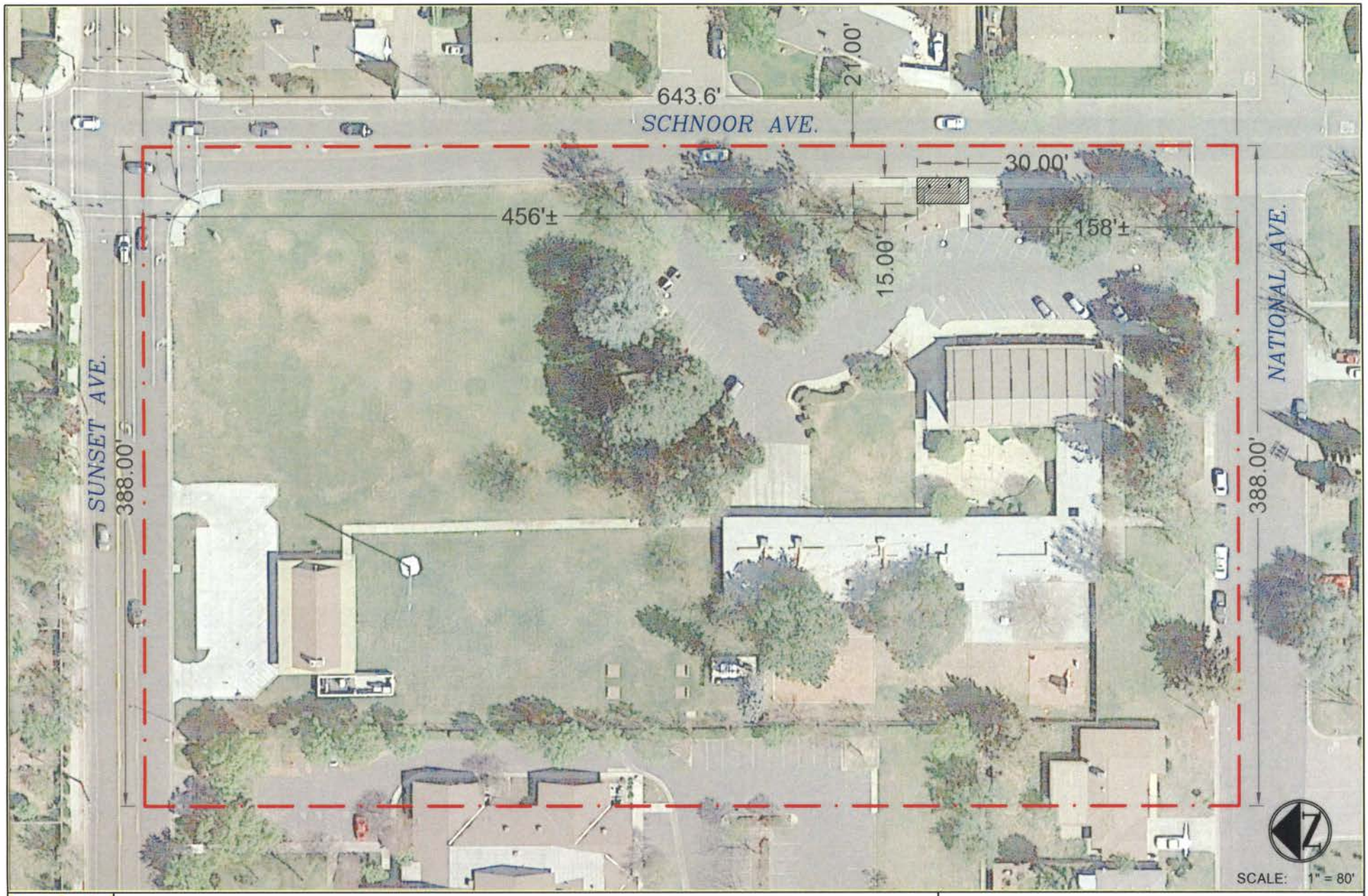
Bus Stop Easement, Schnoor Avenue, 500 feet South of Sunset Avenue

All that portion of the east half of the east half of the southwest quarter of Section 23, Township 11 South, Range 17 East, M. D. B. & M., more particularly described as follows:

Commencing at the center corner of said Section 23;
thence South 0° 18' 00" East, along the north-south half section line, a distance of 456 feet;
thence South 89° 42' 00" West, a distance of 21.00 feet to THE TRUE POINT OF BEGINNING;
thence South 0° 18' 00" East, a distance of 30.00 feet;
thence South 89°42' 00" West, a distance of 15.00 feet;
thence North 0° 18' 00" West, a distance of 30.00 feet;
thence North 89° 42' 00" East, a distance of 15.00 feet to THE TRUE POINT OF BEGINNING.

Containing 450 square feet, more or less.





HARVEST COMMUNITY PRESBYTERIAN CHURCH

2001 NATIONAL AVE

EASEMENT EXHIBIT MAP

EXISTING PROPERTY BOUNDARY

PROPOSED BUS SHELTER & PAD

PROPOSED EASEMENT LOCATION

Rosalind Cox, Director of Facilities
Madera Unified School District

Hi Rosalind,

As we discussed earlier, the City of Madera is planning to construct certain MAX bus shelter improvements which require the acquisition of certain real property as described in the maps and legal descriptions which you have received.

This conveyance can either be by acquisition or by donation in the case of minor areas where there is a benefit to the adjacent property. This is in accordance with State and Federal law as well as City of Madera Administrative Policy. Also, City policy is to offer a minimum nominal payment of $500.00, and that amount would be applicable to the area in question on your property.

I am authorized by the City of Madera to offer on its behalf to all interested parties who may have an interest in the real estate to be acquired the sum of $500.00, which has been estimated to be just compensation for such property and rights based on the fair market value of the property.

The estimate of just compensation has been arrived at after giving consideration to the sales prices of other properties in the area which are similar to your property.

Please indicate by your signature below whether your organization would like to donate this area, or if you wish to receive the $500.00 nominal minimum amount, in which case you should also sign the attached Agreement for Purchase and Sale of Real Property. Please note that, even if you decide to donate the property, the easement deed signature must be notarized. This office can provide the notary service free of charge.

Very truly yours,

Christian M. Bach

Christian M. Bach
City Surveyor
(559) 661-5428
cbach@cirtyofmadera.com

We wish to donate the property as shown on the map and legal description:

Rosalind Cox
(Signature)

We wish to receive a nominal payment of $500.00 for the property shown on the map and legal description:

_____
(Signature)

RECORDING REQUESTED BY:
City of Madera
AFTER RECORDING RETURN TO:
City Clerk
City of Madera
205 W. 4th Street
Madera, CA 93637

Fee waived per Section 27383 of the Government Code No Fee Due 0

APN: 009-190-006

PUBLIC UTILITY EASEMENT

FOR A VALUABLE CONSIDERATION, RECEIPT OF WHICH IS HEREBY ACKNOWLEDGED, the **MADERA UNIFIED SCHOOL DISTRICT** DOES HEREBY GRANT TO **THE CITY OF MADERA**, A MUNICIPAL CORPORATION OF THE STATE OF CALIFORNIA,

An easement for street and any and all other municipal purposes over, under, through and across, on and in the following described real property in the City of Madera, California, County of Madera, State of California, being more particularly described as follows:

(See Exhibit 'A' attached hereto and made a part hereof)

Date: 5-13-16

By: Sandra M. Edwards
Property Owner Signature(s) above, Printed Name Below

NOTARY ACKNOWLEDGEMENT REQUIRED

"See attached Notary"

MUSD BOARD APPROVED: MAY 10, 2016
MOTION NO. 178-2015/16
DOCUMENT NO. 370-2015/16

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Madera)

On 5/13/2016 before me, Sandy Ramirez, Notary Public
(insert name and title of the officer)

personally appeared Sandon Martin Schwartz,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

SANDY RAMIREZ
COMM. # 2076204
NOTARY PUBLIC • CALIFORNIA
MADERA COUNTY
My Commission Expires
July 29, 2018

Exhibit 'A'

Legal Description

Bus Stop on Howard Road, 136 feet west of Amerine Avenue

A parcel of land in Section 26, Township 11 South, Range 17 East, M.D. B. & M., and being that portion of Lot 12 of Midvale Colony, according to Map entitled "Map of Midvale Colony", according to the map thereof recorded April 9, 1909, in Book 2, Page 18 of Maps, bounded and described as follows:

Commencing at the north quarter corner of said Section 26;
thence South 0° 04' 40" East, along the center section line of said Section 26, a distance of 60.00 feet to the northwest corner of said Lot 12 of Midvale Colony;
thence due East, along the north line of said Lot 12, a distance of 469.00 feet to THE TRUE POINT OF BEGINNING;
thence South 0° 04' 40" East, a distance of 15.00 feet;
thence due East, a distance of 30.00 feet;
thence North 0° 04' 40" West, a distance of 15.00 feet;
thence due West, a distance of 30.00 feet to
THE TRUE POINT OF BEGINNING.

Containing 450 square feet, more or less.





MADERA UNIFIED SCHOOL DISTRICT

1904 HOWARD ROAD

EASEMENT EXHIBIT MAP

EXISTING PROPERTY BOUNDARY

PROPOSED BUS SHELTER.& PAD

PROPOSED EASEMENT LOCATION

Madera Professional Center Board

Dear Madera Professional Center Board

As we discussed earlier, the City of Madera is planning to construct certain MAX bus shelter improvements which require the acquisition of certain real property as described in the maps and legal descriptions which you have received.

This conveyance can either be by acquisition or by donation in the case of minor areas where there is a benefit to the adjacent property. This is in accordance with State and Federal law as well as City of Madera Administrative Policy. Also, City policy is to offer a minimum nominal payment of $500.00, and that amount would be applicable to the area in question on your property.

I am authorized by the City of Madera to offer on its behalf to all interested parties who may have an interest in the real estate to be acquired the sum of $500.00, which has been estimated to be just compensation for such property and rights based on the fair market value of the property.

The estimate of just compensation has been arrived at after giving consideration to the sales prices of other properties in the area which are similar to your property.

Please indicate by your signature below whether your organization would like to donate this area, or if you wish to receive the $500.00 nominal minimum amount, in which case you should also sign the attached Agreement for Purchase and Sale of Real Property. Please note that, even if you decide to donate the property, the easement deed signature must be notarized. This office can provide the notary service free of charge.

Very truly yours,

Christian M. Bach

Christian M. Bach
City Surveyor
(559) 661-5428
cbach@cirtyofmadera.com

We wish to donate the property as shown on the map and legal description:

Secretary
(Signature)

We wish to receive a nominal payment of $500.00 for the property shown on the map and legal description:

(Signature)

RECORDING REQUESTED BY:
City of Madera
AFTER RECORDING RETURN TO:
City Clerk
City of Madera
205 W. 4th Street
Madera, CA 93637

Fee waived per Section 27383 of the Government Code No Fee Due 0

APN: 013-141-029

PUBLIC UTILITY EASEMENT

FOR A VALUABLE CONSIDERATION, RECEIPT OF WHICH IS HEREBY ACKNOWLEDGED, THE **MADERA PROFESSIONAL CENTER ASSOCIATION, A CALIFORNIA NON-PROFIT MUTUAL BENEFIT UNINCORPORTED ASSOCIATION,** DOES HEREBY GRANT TO **THE CITY OF MADERA**, A MUNICIPAL CORPORATION OF THE STATE OF CALIFORNIA

An easement for street and any and all other municipal purposes over, under, through and across, on and in the following described real property in the City of Madera, California, County of Madera, State of California, being more particularly described as follows:

(See Exhibit 'A' attached hereto and made a part hereof)

Date: 5/18/16

By: A Panna
Property Owner Signature(s) above, Printed Name Below

Amrit Pal S. Panna

NOTARY ACKNOWLEDGEMENT REQUIRED

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Madera }

On 18 May 2016 (Date), before me, Marlene K Masten, Notary Public (insert name and title of the officer),

personally appeared Amritpal Singh Pannu who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

MARLENE K. MASTEN
COMMISSION #2141725
NOTARY PUBLIC - CALIFORNIA
FRESNO COUNTY
MY COMMISSION EXPIRES
FEBRUARY 6, 2020

Marlene K Masten
Signature (Seal)

OPTIONAL DESCRIPTION OF ATTACHED DOCUMENT

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Other Information: _____

EXHIBIT A

Legal Description

Bus stop on Cleveland Avenue, 186 feet west of Schnoor Avenue

A parcel of land as shown on Parcel Map No. 04-P-04, filed and recorded in Volume 54, Page 13, Madera County Records, lying in the south half of the southeast quarter of the northeast quarter of Section 14, Township 11 South, Range 17 East, M. D. B. & M., City of Madera, Madera County, State of California, being more particularly described as follows:

Commencing at the southwest corner of the southeast quarter corner of the northwest quarter corner of said Section 14;
thence South 89°21' 52" East, on the quarter section line, a distance of 764.03 feet;
thence North 0° 38' 08" East, a distance of 46.00 feet to a point on the north right-of-way line of Cleveland Avenue, being THE TRUE POINT OF BEGINNING;
thence North 0° 38' 08" East, a distance of 8.00 feet;
thence North 89° 21' 52" West, a distance of 30.00 feet;
thence South 0° 38' 08" West, a distance of 8.00 feet;
thence South 89° 21' 52" East, a distance of 30.00 feet to THE TRUE POINT OF BEGINNING.

Containing 240 square feet, more or less.





The City of MADERA VALLEY CENTRAL

MADERA PROFESSIONAL CENTER

CLEVELAND AVE, EAST OF SCHNOOR AVE.

EASEMENT EXHIBIT MAP

EXISTING PROPERTY BOUNDARY

PROPOSED BUS SHELTER & PAD

PROPOSED EASEMENT LOCATION

Return to Agenda

REPORT TO CITY COUNCIL

Approved by:

Sonia Alvarez
Department Director

City Administrator

Council Meeting of: 7/20/16

Agenda Number: E-2

SUBJECT: **Consideration of a Request to Designate a Voting Delegate and Alternate for the League of California Cities Annual Conference**

RECOMMENDATION:
Staff requests Council designate a voting delegate and alternate for the 2016 League of California Cities Annual Conference Business Meeting. Mayor Pro Tem Rigby is currently the only member registered to attend.

DISCUSSION:
The League of California Cities Annual Conference will be held in Long Beach, California October 5 – October 27, 2016 at which time the Annual Business Meeting will be held. Each member city is entitled to one vote on matters presented at the business meeting pertaining to League Policy. Mayor Pro Tem Rigby is currently the only member registered to attend. Delegate forms are due no later than September 23, 2016. See attached.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN:
Designation of a voting delegate is not addressed in the vision or action plans; the requested action is also not in conflict with any of the actions or goals contained in that plan.

1400 K Street
Sacramento, CA 95814
ph: (916) 658-8200
fx: (916) 658-8240

RECEIVED
City of Madera City Clerk
By: PAlvarez
Date: 6/27/16

LEAGUE OF CALIFORNIA CITIES

www.cacities.org

Council Action Advised by July 31, 2016

June 10, 2016

TO: Mayors, City Managers and City Clerks

RE: DESIGNATION OF VOTING DELEGATES AND ALTERNATES
League of California Cities Annual Conference – October 5 – 7, Long Beach

The League's 2016 Annual Conference is scheduled for October 5 – 7 in Long Beach. An important part of the Annual Conference is the Annual Business Meeting (during General Assembly), scheduled for noon on Friday, October 7, at the Long Beach Convention Center. At this meeting, the League membership considers and takes action on resolutions that establish League policy.

In order to vote at the Annual Business Meeting, your city council must designate a voting delegate. Your city may also appoint up to two alternate voting delegates, one of whom may vote in the event that the designated voting delegate is unable to serve in that capacity.

Please complete the attached Voting Delegate form and return it to the League's office no later than Friday, September 23, 2016. This will allow us time to establish voting delegate/alternate records prior to the conference.

Please note the following procedures that are intended to ensure the integrity of the voting process at the Annual Business Meeting.

- **Action by Council Required.** Consistent with League bylaws, a city's voting delegate and up to two alternates must be designated by the city council. When completing the attached Voting Delegate form, please attach either a copy of the council resolution that reflects the council action taken, or have your city clerk or mayor sign the form affirming that the names provided are those selected by the city council. Please note that designating the voting delegate and alternates **must** be done by city council action and cannot be accomplished by individual action of the mayor or city manager alone.

- **Conference Registration Required.** The voting delegate and alternates must be registered to attend the conference. They need not register for the entire conference; they may register for Friday only. To register for the conference, please go to our website: www.cacities.org. In order to cast a vote, at least one voter must be present at the

Annual Conference Voting Procedures

1. **One City One Vote.** Each member city has a right to cast one vote on matters pertaining to League policy.

2. **Designating a City Voting Representative.** Prior to the Annual Conference, each city council may designate a voting delegate and up to two alternates; these individuals are identified on the Voting Delegate Form provided to the League Credentials Committee.

3. **Registering with the Credentials Committee.** The voting delegate, or alternates, may pick up the city's voting card at the Voting Delegate Desk in the conference registration area. Voting delegates and alternates must sign in at the Voting Delegate Desk. Here they will receive a special sticker on their name badge and thus be admitted to the voting area at the Business Meeting.

4. **Signing Initiated Resolution Petitions.** Only those individuals who are voting delegates (or alternates), and who have picked up their city's voting card by providing a signature to the Credentials Committee at the Voting Delegate Desk, may sign petitions to initiate a resolution.

5. **Voting.** To cast the city's vote, a city official must have in his or her possession the city's voting card and be registered with the Credentials Committee. The voting card may be transferred freely between the voting delegate and alternates, but may not be transferred to another city official who is neither a voting delegate or alternate.

6. **Voting Area at Business Meeting.** At the Business Meeting, individuals with a voting card will sit in a designated area. Admission will be limited to those individuals with a special sticker on their name badge identifying them as a voting delegate or alternate.

7. **Resolving Disputes.** In case of dispute, the Credentials Committee will determine the validity of signatures on petitioned resolutions and the right of a city official to vote at the Business Meeting.

LEAGUE® OF CALIFORNIA CITIES

CITY: _____

2016 ANNUAL CONFERENCE
VOTING DELEGATE/ALTERNATE FORM

Please complete this form and return it to the League office by Friday, September 23, 2016. Forms not sent by this deadline may be submitted to the Voting Delegate Desk located in the Annual Conference Registration Area. Your city council may designate one voting delegate and up to two alternates.

In order to vote at the Annual Business Meeting (General Assembly), voting delegates and alternates must be designated by your city council. Please attach the council resolution as proof of designation. As an alternative, the Mayor or City Clerk may sign this form, affirming that the designation reflects the action taken by the council.

Please note: Voting delegates and alternates will be seated in a separate area at the Annual Business Meeting. Admission to this designated area will be limited to individuals (voting delegates and alternates) who are identified with a special sticker on their conference badge. This sticker can be obtained only at the Voting Delegate Desk.

1. VOTING DELEGATE

Name: _____

Title: _____

2. VOTING DELEGATE - ALTERNATE

Name: _____

Title: _____

3. VOTING DELEGATE - ALTERNATE

Name: _____

Title: _____

PLEASE ATTACH COUNCIL RESOLUTION DESIGNATING VOTING DELEGATE AND ALTERNATES.

OR

ATTEST: I affirm that the information provided reflects action by the city council to designate the voting delegate and alternate(s).

Name: _____ E-mail _____

Mayor or City Clerk _____ Phone: _____
(circle one) (signature)

Date: _____

Please complete and return by Friday, September 23, 2016

League of California Cities
ATTN: Kayla Gibson
1400 K Street, 4th Floor
Sacramento, CA 95814

FAX: (916) 658-8240
E-mail: kgibson@cacities.org
(916) 658-8247