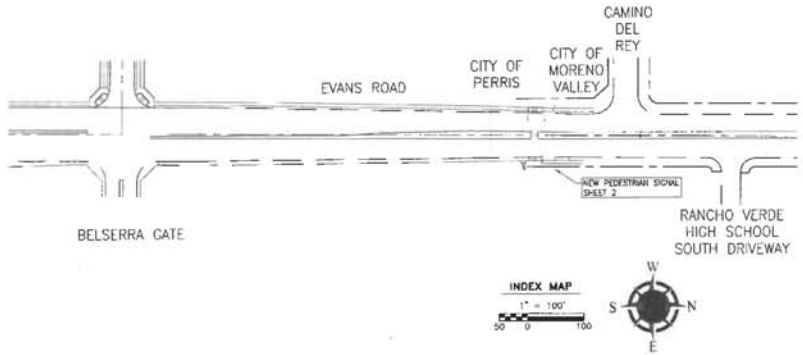
TRAFFIC SIGNAL GENERAL NOTES:

1. ALL TRAFFIC SIGNAL WORK AND MATERIAL SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS (LATEST VERSION) OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE SPECIAL PROVISIONS OF THIS PROJECT.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
4. TYPE V PHOTOELECTRIC CONTROL CONTACTOR AND TEST SWITCH ASSEMBLY SHALL BE INSTALLED IN THE SERVICE CABINET. PHOTOELECTRIC CONTROL CONTACTORS SHALL BE 60 AMP MERCURY FOR LUMINAIRES, AND 30 AMP MERCURY FOR STREET NAME SIGNS.
5. ALL PULL BOXES SHALL BE NO. 6 UNLESS OTHERWISE INDICATED OR APPROVED BY THE ENGINEER. MAXIMUM SPACING SHALL BE 200'.
6. A MINIMUM OF 2 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN TELEPHONE CONDUIT AND ELECTRICAL CONDUITS.
7. A MINIMUM OF 10 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONTROLLER CABINET AND THE SERVICE EQUIPMENT ENCLOSURE.
8. ALL PULL BOXES IN UNIMPROVED AREAS SHALL BE TRAFFIC BEARING WITH A ONE FOOT CONCRETE RIBBON AROUND BOX. UNIMPROVED AREAS ARE DEFINED AS LOCATIONS NOT PROJECTED BY CURB AND GUTTER.
9. OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT. STRIPING LAYOUT (CAT-TRACKING) SHALL BE APPROVED PRIOR TO LOOP DETECTOR INSTALLATIONS.
10. EXACT EQUIPMENT AND DETECTOR LOOP LOCATIONS SHALL BE APPROVED BY THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION BY THE CONTRACTOR.
11. ALL STRIPING, PAVEMENT MARKINGS AND SIGN REQUIREMENTS (REMOVAL OR INSTALLATIONS) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULED TURN ON.
12. UNLESS SHOWN OTHERWISE, ALL INDUCTIVE LOOPS SHALL BE 6'-ROUND (4 TURNS OF WIRE, SEALED WITH HOT RUBBER SEALER) WITH 10' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING DETECTOR LOOPS.
13. THE DETECTOR LOOP POSITION AT THE STOP BAR SHALL BE A MODIFIED "D-LOOP" AS SHOWN ON THE PLANS TO BE ABLE TO DETECT BICYCLES AND MOTORCYCLES.
14. ALL CONDUIT SHALL BE 3-INCH RIGID METAL, UNLESS OTHERWISE INDICATED. ALL CONDUIT PLACED UNDER PAVING SHALL BE INSTALLED WITHOUT OPEN CUTTING.
15. A MINIMUM OF 6 FEET OF SLACK SHALL BE PROVIDED AT EACH PULL BOX AND 20 FEET OF SLACK SHALL BE PROVIDED AT EACH CONTROLLER CABINET FOR SIGNAL INTERCONNECT CABLE.
16. ALL SIGNAL HEAD AND BACK PLATES SHALL BE METAL WITH FULL CIRCLE VISORS. ALL VEHICLE AND PED INDICATIONS SHALL BE LED. (SEE SPECIAL PROVISIONS FOR DETAIL) ALL VEHICLE INDICATIONS SHALL BE 12". PEDESTRIAN INDICATION SHALL BE PEDESTRIAN COUNTDOWN TYPE DALIGHT 430-6479-001, OR APPROVED EQUAL.
17. ALL UNUSED TENONS SHALL BE CAPPED IN A WATERPROOF METHOD, AS DIRECTED BY THE RESIDENT ENGINEER.
18. THE INTERNALLY ILLUMINATED STREET NAME SIGNS (ISNS) SHALL BE BLUE IN BACKGROUND AND SHALL HAVE A WHITE STREET NAME LEGEND. SEE CITY STANDARD MVLT-411A, B, C, D & D.
19. ALL MAST ARM STANDARDS SHALL HAVE A 120 VOLT, SINGLE WATERPROOF ELECTRICAL OUTLET AND SHALL BE INSTALLED ON THE STANDARD 12" ABOVE THE SIGNAL ARM.
20. ALL TRAFFIC SIGNAL POLE FOUNDATIONS NOT TO BE RE-USED SHALL BE REMOVED IN THEIR ENTIRETY.

IN THE CITY OF MORENO VALLEY, STATE OF CALIFORNIA
PEDESTRIAN SIGNAL PLAN FOR TRACT NO. 36648

LOCATED IN SECTION 5, T. 4 S., R. 3 W., SBM.



VICINITY MAP
N.T.S.

NOTICE TO CONTRACTORS

CONTRACTOR AGREES THAT HE SHALL ASSUME COMPLETE AND SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

UNDERGROUND STRUCTURES

ALL UNDERGROUND STRUCTURES OR UTILITIES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT.

THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH THE IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD THE UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, OR LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON THE RECORDS EXAMINED.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

UTILITIES:

WATER:	EASTERN MUNICIPAL WATER DISTRICT PHONE: (800) 426-3693
SEWER:	EASTERN MUNICIPAL WATER DISTRICT PHONE: (800) 426-3693
ELECTRIC:	MORENO VALLEY ELECTRIC UTILITY PHONE: (951) 413-3500
TELEPHONE:	GENERAL TELEPHONE COMPANY PHONE: (800) 834-4966
GAS:	SOUTHERN CALIFORNIA GAS COMPANY PHONE: (800) 427-2200
CABLE:	SPECTRUM PHONE: (866) 674-2388

INDEX OF SHEETS:

SHT NO.	DESCRIPTION
1	TITLE SHEET
2	PEDESTRIAN SIGNAL - EVANS ROAD

BASIS OF BEARINGS

"THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE 6, BASED LOCALLY ON CONTROL STATIONS "MJPP", "PPBB", NAD 83(NSRS2011) AS SHOWN HEREON. ALL BEARINGS SHOWN ON THIS MAP ARE GRID. QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES, MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR OF 0.9999281329. CALCULATIONS MADE AT BASE STATION POINT 1 USING ELEVATION OF 1445.421, CONVERGENCE ANGLE IS -00°31'58".

BENCHMARK

USC & GS BENCHMARKS

40Y (PID JDX2103) – 3" BRASS DISK, 5FT IN BOULDER.

STATION IS ABOUT 4-1/2 MILES W OF LAKEMEN, ABOUT ONE MILE W OF THE PASS THROUGH THE BERNARDINO MOUNTAINS, ABOUT 200 FEET SW OF THE INTERSECTION OF BRADLEY ROAD AND WALNUT AVENUE, 70 FEET S OF CENTER LINE OF WALNUT AVENUE, IN A LARGE BOULDER, AND MARKED WITH A TEE. MARK IS A METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA STANDARD DISK STAMPED 40 Y 1931.

ELEV. = 1498.35', NAVD 88

IMPORTANT NOTICE
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER TO BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID.
UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER DATE

BENCHMARK	BASIS OF BEARING	REVIEW BY CITY STAFF		
BENCHMARK	BASIS OF BEARING	SHEET	INITIAL	DATE
		CITY TRAFFIC ENGINEER		9/21/20

MARK	DATE	INITIAL	DESCRIPTION	REC.	DATE	APP'VD
			REVISIONS			

CITY OF MORENO VALLEY APPROVALS
RECOMMENDED: MICHAEL D. HILDEBRANDT, PE, ENGINEERING DIVISION MANAGER/ASSISTANT CITY ENGINEER, R.C.E. #55563 — DATE 9/21/20
APPROVED: MICHAEL L. WOLFE, P, PUBLIC WORKS DIRECTOR/CITY ENGINEER, R.C.E. #55623 — DATE 9/21/2020

DRAWN BY: IT
DESIGN BY: IT
CHECKED BY: NRL

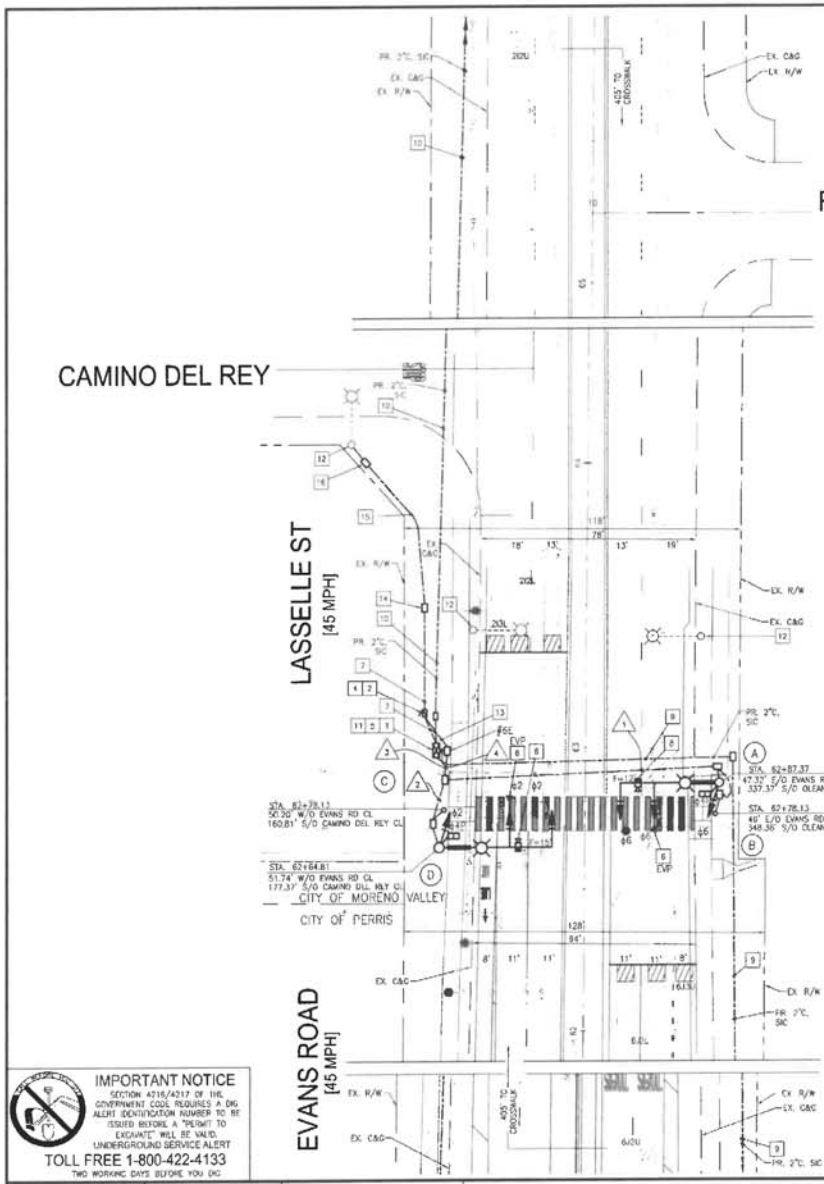
ALBERT A. WEBB ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE, CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

PREPARED UNDER THE SUPERVISION OF: DILESH R. SHETH
DESIGNED BY: IT CHECKED BY: NRL
R.C.E. NO.: C65078
7/8/20 DATE

REGISTERED PROFESSIONAL ENGINEER DILESH R. SHETH No. C65078 CIVIL STATE OF CALIFORNIA

CITY OF MORENO VALLEY
TRACT 36648
LASSELLE STREET/EVANS ROAD
PEDESTRIAN SIGNAL PLAN
TITLE SHEET

SHEET 1 OF 2
CITY I.D. NO. LC018-0027



PPB QUADRANT DETAIL
PEDESTRIAN PUSH BUTTON LOCATION
(TOP VIEW)

OLEANDER AVE / RANCH VERDE HIGH SCHOOL SOUTH DRIVEWAY

POLE SCHEDULE																	
STANDARD						LUM.	SIGNAL MOUNTING					PPB***		I.S.N.S. LEGEND**	LOCATION	
NO.	TYPE	HEIGHT	SIG. M.A.	LUM M.A.	1'	LUMENS~	VEHICLE				PED*	PHASE	QUAD.		A	B
(A)	24-4-100	30'	35'	15'	12'	9BW	MAS	MAS	–	SV-1-T	SP-1-T			TRAIL XING	SEE PLAN	
(B)	PPB	5'-7"	–	–	–	–	–	–	–	–	–	2	N	–	SEE PLAN	
(C)	PPB	5'-7"	–	–	–	–	–	–	–	–	–	2	S	–	SEE PLAN	
(D)	26-4-100	30'	40'	15'	15'	9BW	MAS	MAS	–	SV-1-T	SP-1-T	–	–	TRAIL XING	SEE PLAN	

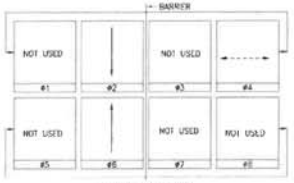
ALL EQUIPMENT SHALL BE NEW AND PER THE 2018 CALTRANS STANDARD PLANS UNLESS SPECIFIED OTHERWISE.
* ALL LED MODULES SHALL BE NEW. ALL PEDESTRIAN SIGNAL HEADS SHALL BE COUNTDOWN TYPE.
** I.S.N.S. SHALL BE INSTALLED PER CITY OF MORENO VALLEY STANDARD PLAN MVLT-411A, B, C, D-0 WITH BLACK COLOR TEXT AND YELLOW COLOR BACKGROUND SIGN PANEL.
*** ALL PPB SHALL BE 2-WIRE SYSTEM POLARA ACCESSIBLE PEDESTRIAN SIGNAL TYPE.
~ LUMINAIRES SHALL BE INSTALLED PER CITY OF MORENO VALLEY STANDARD PLAN MVLT-4008-2 WITH COLOR TEMPERATURE: 4000K, LUMENS: 11,500, WATTS: 98W AND GE MODEL# ERLH-011-B3-40-A-GRAY OR EQUIVALENT.

CONSTRUCTION NOTES (THIS SHEET ONLY):

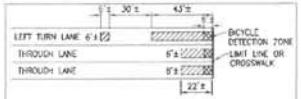
1. FURNISH AND INSTALL A NEW TYPE 2070N ATC CONTROLLER WITH INTERSECTION CONTROLLER FIRMWARE IN A NEW CONTROLLER CABINET (TYPE 333L) WITH NEW CONDUITS AND FOUNDATION PER CITY OF MORENO VALLEY STANDARD PLAN MVLT-160-0.
2. FURNISH AND INSTALL TYPE III-CF 120V/240V DUAL METER SERVICE EQUIPMENT ENCLOSURE (MYERS ELECTRIC MODEL MEUG350-PB-M100/M100 WITH FOUR 78AH MAINTENANCE FREE BATTERIES) WITH NEW CONDUITS AND FOUNDATION PER CITY OF MORENO VALLEY STANDARD PLAN MVLT-481-0. SIGNAL AND PSMS TO BE CONNECTED TO ONE METER AND SAFETY LIGHTING TO BE CONNECTED TO A SECOND METER. THE CONTRACTOR SHALL PROVIDE FOR ALL REQUIRED ELECTRIC SERVICE HOOK-UPS.
3. FURNISH AND INSTALL 2" CONDUIT, 3-#6 (SIGNAL SERVICE, CFCI)
4. FURNISH AND INSTALL DUAL TYPE V PEC, 100A MAIN BREAKERS, 30A METERED BREAKER (SIGNALS), 25A METERED BREAKER (BSMS), 30A METERED BREAKER (LIGHTING) AND 15A METERED BREAKER (DECORATIVE LIGHTING) IN SERVICE CABINET.
5. FURNISH AND INSTALL 3M MODEL 762 RACK MOUNTED PHASE SELECTOR EQUIPMENT INTO CONTROLLER CABINET.
6. FURNISH AND INSTALL 3M OPTICOM EMERGENCY VEHICLE PREEMPTION DETECTOR MODEL 721 ON TOP OF SIGNAL HEADS PER CALTRANS STD PLAN ES-4E. 3M MODEL 138 DETECTOR CABLE.
7. FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT WITH PULLROPE (#5 P.B.) PER CITY OF MORENO VALLEY ELECTRIC UTILITY REQUIREMENTS. FURNISH AND INSTALL 1.5" CONDUIT AND NEW #8 CONDUCTOR FROM NEW HANDHOLE TO NEW TRAFFIC METER PEDESTAL. CONTACT CITY OF MORENO VALLEY ELECTRIC UTILITY SERVICE PLANNER AT 951-413-3500, 48 HOURS BEFORE BEGINNING WORK.
8. FURNISH AND INSTALL ISMS VANTAGE VECTOR VIDEO DETECTION SYSTEM (VIDEO AND RADAR DETECTION) ONTO SIGNAL MAST ARM PER MORENO VALLEY'S SPECIFICATIONS. CONTRACTOR IS REQUIRED TO PROVIDE ALL NECESSARY EQUIPMENT, CABLING AND INSTALLATION FOR PROPER OPERATION AND MAINTENANCE OF VIDEO DETECTION SYSTEM.
9. FURNISH AND INSTALL 2"C WITH 5-PAIR INTERCONNECT CABLE FROM CONTROLLER AT EVANS/BELSERRA TO CONTROLLER AT THE NEW PEDESTRIAN TRAFFIC SIGNAL APPROXIMATELY 760' CENTERLINE TO CENTERLINE. INSTALL #5 PULLBOXES AT 200' ON CENTER.
10. FURNISH AND INSTALL (4) 1.5" HDPE SCHEDULE 80 CONDUITS (COLORS: YELLOW, ORANGE, BLUE, BLACK) WITH 6 PAIR NO. 19 INTERCONNECT CABLE IN ONE CONDUIT, NO. 10 GAUGE BARE COPPER TRACE WIRE IN BLACK CONDUIT AND 3/16" NYLON PULL ROPE IN EACH CONDUIT FROM CONTROLLER AT THE NEW PEDESTRIAN TRAFFIC SIGNAL TO THE CONTROLLER AT LASSELLE ST/VIA DE ANZA APPROXIMATELY 850' CENTERLINE TO CENTERLINE. INSTALL P48 FIBERGLASS PULLBOXES AT 600' SPACING.
11. FURNISH AND INSTALL BATTERY BACKUP SYSTEM (BBS) PER CITY OF MORENO VALLEY STANDARD.
12. PROTECT IN PLACE.
13. FURNISH AND INSTALL 2" CONDUIT, 4-#12 (PEC & BSMS), 2-#10 (LUMINAIRE).
14. FURNISH AND INSTALL NEW HANDHOLE AND NEW 4-WAY LIGHTING MECHANICAL CONNECTORS.
15. FURNISH AND INSTALL 1.5" CONDUIT AND NEW #8 CONDUCTOR FROM NEW HANDHOLE TO NEW HANDHOLE AT THE SOUTHWEST CORNER OF CAMINO DEL REY AND LASSELLE ST.
16. PROTECT EXISTING 1" CONDUIT AND EXISTING #6 CABLE. FURNISH AND INSTALL NEW HANDHOLE AND NEW 4-WAY LIGHTING MECHANICAL CONNECTORS. CONNECT NEW #8 CONDUCTOR FROM NEW HANDHOLE TO EXISTING STREET LIGHT.

CONDUCTOR SCHEDULE					
A.W.G.	CIRCUIT	RUNS 1	2	3	4
12 CGC	POLE A	1/-	–	1/-	1/-
	POLE B	-/1		-/1	-/1
	POLE C		-/1	-/1	-/1
	POLE D		1/-	1/-	1/-
	10 GAL	1/1	1/1	2/2	2/2
#10	LUMINAIRE	2	2	4	–
#12	ITS N.S.	2	2	4	
[illegible]	MODEL 138		2	2	2
[illegible]	CABLE	1	1	2	2
[illegible]	SERVICE	1		2	2
CONDUIT SIZE (INCH)		3"	3"	3"	3"
PERCENT FILL		11%	12%	22%	19%

ALL NEW CONDUCTORS, CABLES, AND CONDUITS



SIGNAL PHASING



VIDEO DETECTION ZONE DETAIL
N.T.S.

ALL TRAFFIC SIGNAL WORK AND MATERIAL SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS (LATEST EDITION) OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, CITY OF MORENO VALLEY STANDARD PLANS AND SPECIFICATIONS, AND THE SPECIAL PROVISIONS OF THIS PROJECT.

SIGNAL TIMING CHART:

THE INITIAL SIGNAL TIMING CHART SHALL BE PROVIDED BY THE DEVELOPER AND TRAFFIC ENGINEER AND PROGRAMMED BY THE SIGNAL CONTRACTOR. A COPY OF THE TIMING CHART SHALL BE SUBMITTED TO THE CITY OF MORENO VALLEY AND A COPY SHALL BE PLACED IN THE SIGNAL CABINET AT TIME OF TURN-ON.

CAUTION !!!
CONTRACTOR TO POTHOLE AND VERIFY LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO ORDERING OF ANY EQUIPMENT. NOTIFY ALBERT A. WEBB ASSOCIATES IF ANY CONFLICT EXIST.

IMPORTANT NOTICE
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER TO BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER DATE

BENCHMARK	BASIS OF BEARING	REVIEW BY CITY STAFF		
BENCHMARK	BASIS OF BEARING	DIVISION	INITIAL	DATE
		CITY TRAFFIC ENGINEER		9/21/20

MARK	DATE	INITIAL	DESCRIPTION	REC.	DATE	APP'VD
			REVISIONS			

CITY OF MORENO VALLEY APPROVALS
RECOMMENDED: MICHAEL E. LOPEZ, PE, ENGINEERING DIVISION MANAGER/ASSISTANT CITY ENGINEER R.C.E. #60643 — DATE 9/21/20
APPROVED: MICHAEL L. WOLFE, PE, PUBLIC WORKS DIRECTOR/CITY ENGINEER R.C.E. #56653 — DATE 9/21/2020

DRAWN BY: IT
DESIGN BY: IT
CHECKED BY: NRL

ALBERT A. WEBB ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA 92506
PH. (951) 686-1070
FAX (951) 788-1256

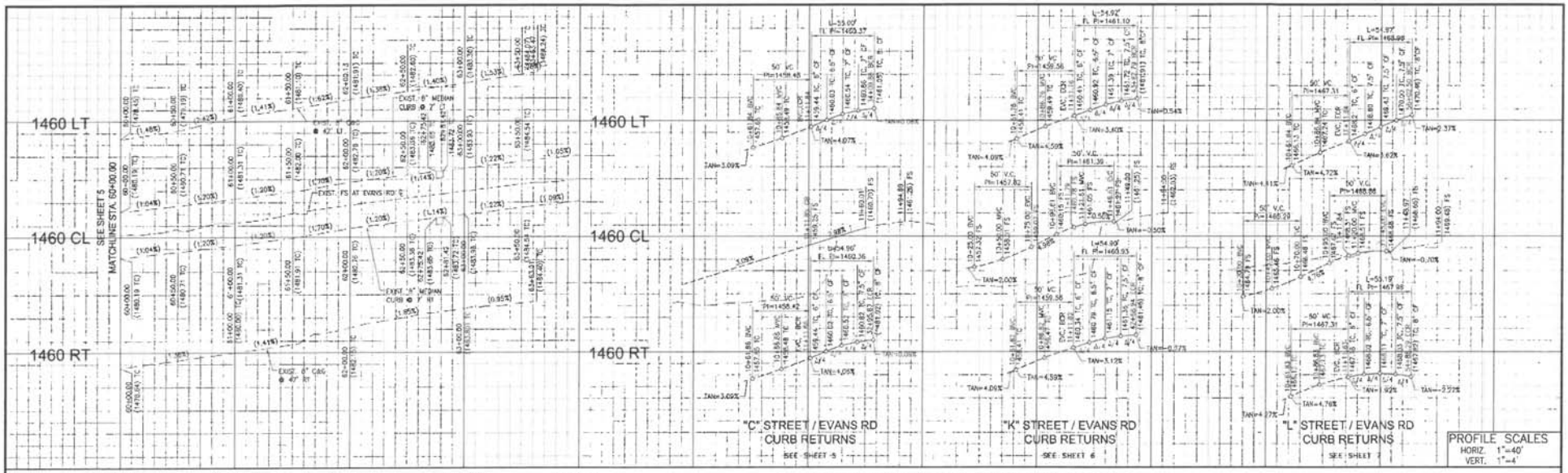
PREPARED UNDER THE SUPERVISION OF: DILESH R. SHETH
DESIGNED BY: ___ CHECKED BY: NRL
R.C.E. NO.: 085078 — DATE 9/21/20

REGISTERED PROFESSIONAL ENGINEER DILESH R. SHETH No. 085078 CIVIL STATE OF CALIFORNIA

CITY OF MORENO VALLEY

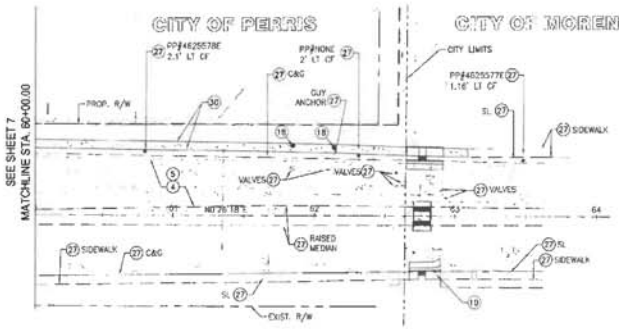
TRACT 36648
PEDESTRIAN SIGNAL PLAN
LASSELLE ST/EVANS RD
AT RANCHO VERDE HIGH SCHOOL

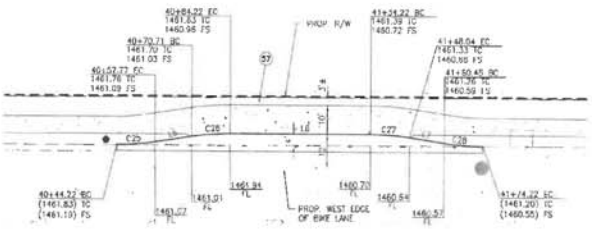
SHEET 2 OF 2
CITY I.D. NO. LC018-0027



SEE TRACT 36648-1 STREET IMPROVEMENT PLANS FOR "C" STREET AND "K" STREET;
SEE TRACT 36648 STREET IMPROVEMENT PLANS FOR "L" STREET.

TRACT 36648 **EVANS ROAD**





(41) BUS TURNOUT DETAIL
NOT TO SCALE

CONSTRUCTION NOTES:

(4) COLD PLANE EXISTING PAVEMENT (0.21' MIN.) PER OVERLAY DETAIL ON SHEET 2
(5) INSTALL 0.21' A.C. OVERLAY DETAIL ON SHEET 2
(10) REMOVE/RELOCATE EXISTING SIGN PER SIGNING & STRIPING PLANS.
(18) RELOCATE EXISTING AIR VALVE AT DIRECTION OF EMWD.
(27) PROTECT IN PLACE (ITEM NOTED ON PLANS).
(30) CONSTRUCT 4" THICK – 6' WIDE SIDEWALK PER RIVERSIDE CO. STD. NO. 401.
(41) CONSTRUCT BUS TURNOUT, LAYOUT PER RTA DESIGN PARAMETERS FOR LARGE BUS TURNOUT ADJACENT TO A BIKE LANE AND MATERIALS PER RIVERSIDE CO. STD. NO. 814.
(53) CONSTRUCT BUS SHELTER PER CITY OF PERRIS APPROVED SPECIFICATIONS BY LIN CUSTOM MANUFACTURING OR APPROVED EQUAL.

LEGEND

CONSTRUCT NEW PAVEMENT SECTION
GRIND & OVERLAY
NEW CONCRETE

LINE TABLE		
LINE #	LENGTH	DIRECTION
L5	13.09	N08° 11' 44"W
L6	30.00	N07° 25' 18"E
L7	12.56	N09° 16' 01"E

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C25	13.90	90.00	8°39'31"	6.81
C26	13.56	90.00	8°38'02"	6.79
C27	12.67	90.00	8°49'44"	6.95
C28	13.83	90.00	8°48'15"	6.93

CITY OF MORENO VALLEY
CITY ENGINEER DATE

WDID#:

1" = 40'
20 0 40 80 120

MORENO VALLEY ID# LC 018-0026

DIGALERT
CALL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF PERRIS
APPROVED BY:
CITY ENGINEER
DATE

SEAL – ENGINEER
REGISTERED PROFESSIONAL ENGINEER DILESH R. SHETH No. C65078 CIVIL STATE OF CALIFORNIA

ALBERT A. WEBB ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
PH. (951) 686-1070
FAX (951) 788-1256

PREPARED UNDER THE SUPERVISION OF
Dilesh Sheth
DILESH R. SHETH R.C.E. NO. C65078 DATE 9/8/16

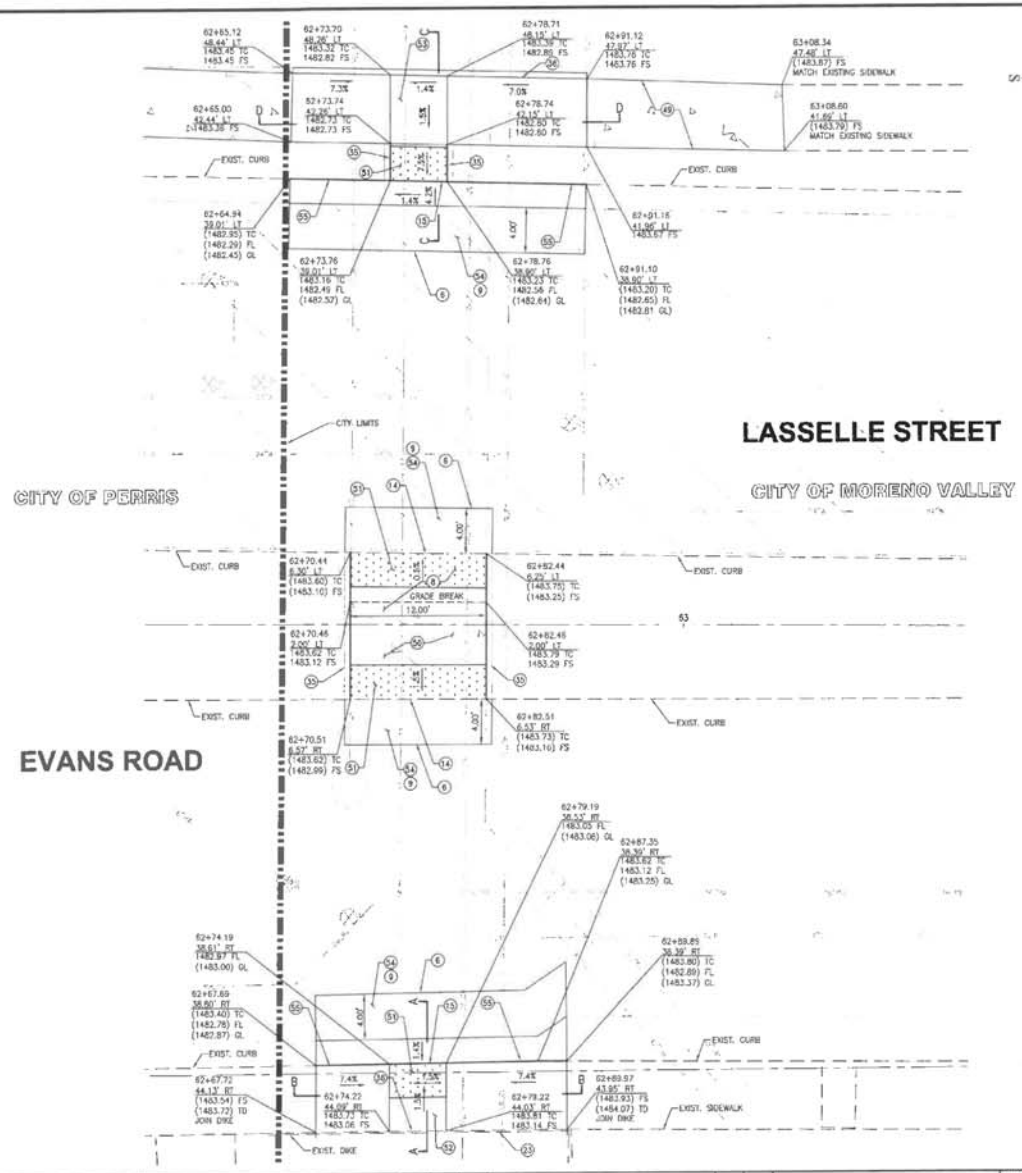
DESIGNED BY: TB
CHECKED BY: NHK
SCALE: H: 1"=40' V: 1"=40'

BENCHMARK:
SEE SHEET 1

CITY OF PERRIS
TRACT NO. 36648 & 36648-1
OFF-SITE STREET IMPROVEMENT PLAN
EVANS ROAD STA 60+00 TO 63+00

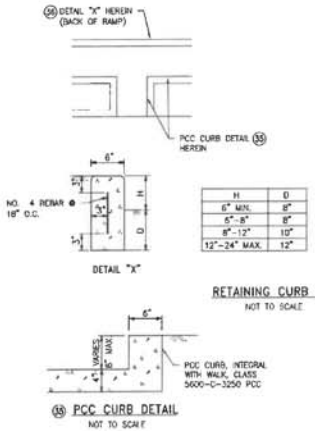
SHEET NO. 8 OF 15 SHEETS

FOR:
W.O. 2017-0264
CITY FILE NO. PR-1297



CONSTRUCTION NOTES:

(6) SAWCUT EXISTING PAVEMENT PER OVERLAY DETAIL ON SHEET 2.
(8) CONSTRUCT PEDESTRIAN ACCESS PER DETAIL ON SHEET 9.
(9) REMOVE EXISTING PAVEMENT SECTION.
(14) REMOVE EXISTING MEDIAN CURB
(15) REMOVE EXISTING CURB & GUTTER
(23) REMOVE EXISTING A.C. DIKE.
(35) CONSTRUCT 6" PCC CURB PER PCC CURB DETAIL ON SHEET 9.
(36) CONSTRUCT RETAINING CURB PER RETAINING CURB DETAIL ON SHEET 9.
(45) CONSTRUCT SIDEWALK PER CITY OF MORENO VALLEY STD. PLAN MVSI-115B-0.
(50) CONSTRUCT PEDESTRIAN CROSSING PER CALTRANS STANDARD PLAN RSP A88B, TYPE A.
(51) INSTALL DETECTABLE WARNING SURFACE PER CITY OF MORENO VALLEY STD. PLAN MVSI-114C-1.
(52) CONSTRUCT ACCESS RAMP - TYPE 2 PER CITY OF MORENO VALLEY STD. PLAN MVSI-114B-1.
(53) CONSTRUCT CURB RAMP PER CALTRANS STANDARD PLAN RSP A88A, CASE F.
(54) SLOT PATCH FULL DEPTH PAVEMENT (R&R).
(55) CONSTRUCT 8" INTEGRAL CURB AND GUTTER PER MVSI-120B-0.

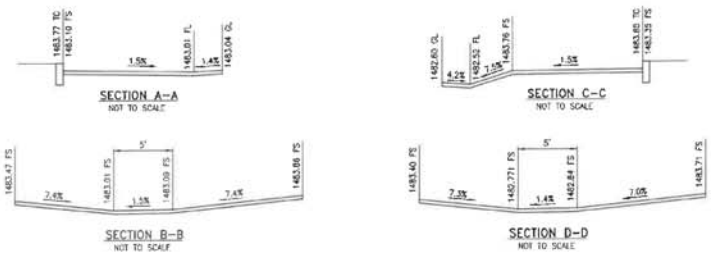


H	D
6" MIN.	8"
5"-8"	8"
8"-12"	10"
12"-24" MAX.	12"

RETAINING CURB DETAIL
NOT TO SCALE

(35) PCC CURB DETAIL
NOT TO SCALE

(8) PEDESTRIAN PASS THROUGH SECTION
NOT TO SCALE



CITY OF MORENO VALLEY
CITY ENGINEER — DATE

WDID#:

1" = 40'
20 0 40 80 120
MORENO VALLEY ID# LC 018-0026

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — 1-800-227-2600 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF PERRIS
APPROVED BY:
CITY ENGINEER
DATE

SEAL — ENGINEER
REGISTERED PROFESSIONAL ENGINEER DILESH R. SHETH No. C65078 CIVIL STATE OF CALIFORNIA

ALBERT A. WEBB ASSOCIATES
ENGINEERING CONSULTANTS
3788 McCRAY STREET
RIVERSIDE CA. 92506
Ph. (951) 686-1070
FAX (951) 788-1256

PREPARED UNDER THE SUPERVISION OF: DILESH R. SHETH R.C.E. NO. C65078
DESIGNED BY: TB
CHECKED BY: NBK
DATE: 9/8/20

BENCHMARK:
SEE SHEET 1

SCALE: H: 1"=40' V: 1"=40'

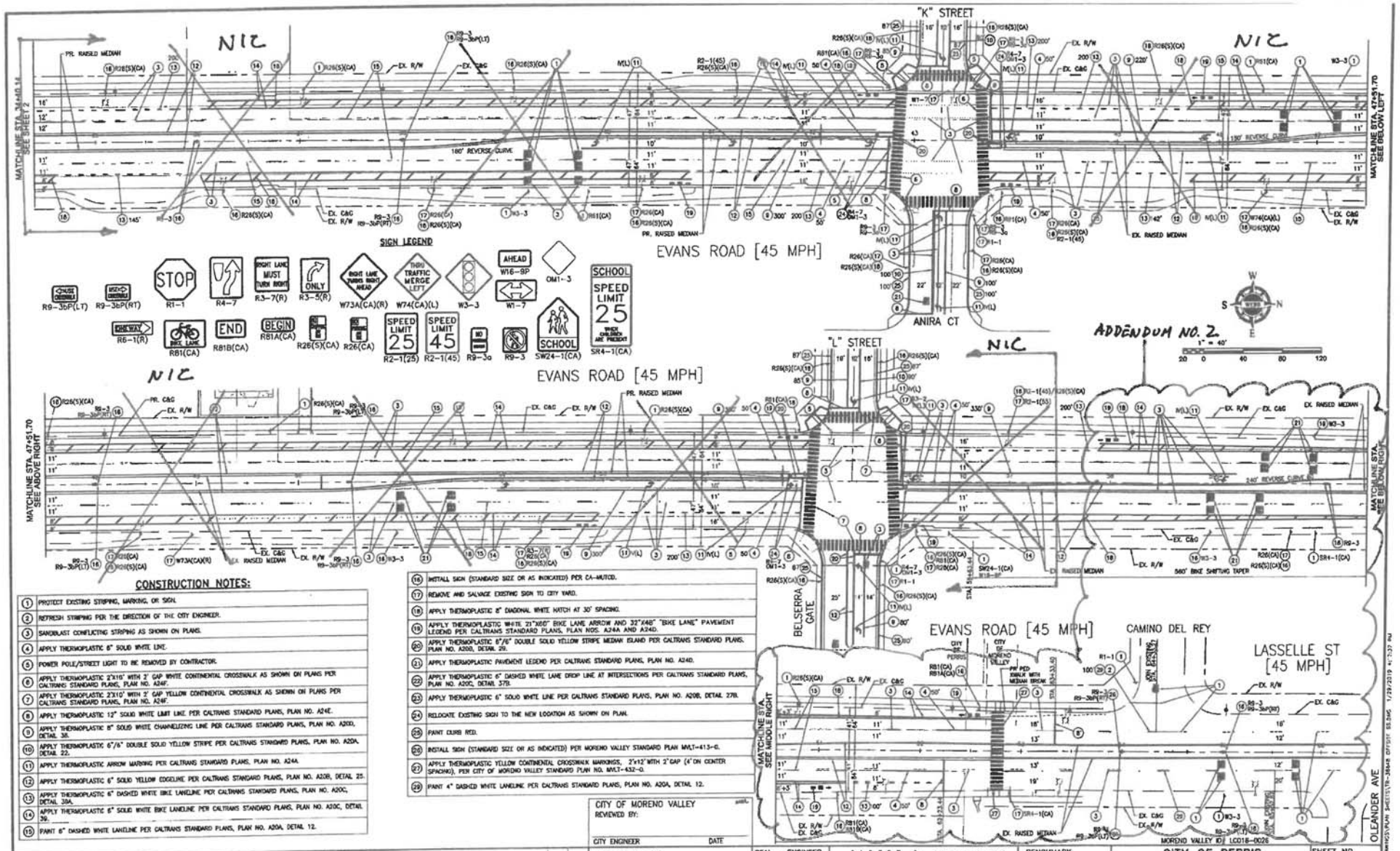
FOR:

W.O. 2017-0264

CITY OF PERRIS
TRACT NO. 36648 & 36648-1
OFF-SITE STREET IMPROVEMENT PLAN
PEDESTRIAN CROSSING

CITY FILE NO. P8-1297

SHEET NO. 9 OF 15 SHEETS



CONSTRUCTION NOTES:

1	PROTECT EXISTING STRIPING, MARKING, OR SIGN.
2	REFRESH STRIPING PER THE DIRECTION OF THE CITY ENGINEER.
3	SANDBLAST CONFLICTING STRIPING AS SHOWN ON PLANS.
4	APPLY THERMOPLASTIC 8" SOLID WHITE LINE.
5	POWER POLE/STREET LIGHT TO BE REMOVED BY CONTRACTOR.
6	APPLY THERMOPLASTIC 2'X10' WITH 2' GAP WHITE CONTINENTAL CROSSWALK AS SHOWN ON PLANS PER CALTRANS STANDARD PLANS, PLAN NO. A24F.
7	APPLY THERMOPLASTIC 2'X10' WITH 2' GAP YELLOW CONTINENTAL CROSSWALK AS SHOWN ON PLANS PER CALTRANS STANDARD PLANS, PLAN NO. A24F.
8	APPLY THERMOPLASTIC 12" SOLID WHITE LIMIT LINE PER CALTRANS STANDARD PLANS, PLAN NO. A24E.
9	APPLY THERMOPLASTIC 8" SOLID WHITE CHANNELIZING LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20D, DETAIL 38.
10	APPLY THERMOPLASTIC 6"/6" DOUBLE SOLID YELLOW STRIPE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 22.
11	APPLY THERMOPLASTIC ARROW MARKING PER CALTRANS STANDARD PLANS, PLAN NO. A24A.
12	APPLY THERMOPLASTIC 6" SOLID YELLOW EDGELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 25.
13	APPLY THERMOPLASTIC 6" DASHED WHITE BIKE LANELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20C, DETAIL 38A.
14	APPLY THERMOPLASTIC 6" SOLID WHITE BIKE LANELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20C, DETAIL 39.
15	PAINT 6" DASHED WHITE LANELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 12.
16	INSTALL SIGN (STANDARD SIZE OR AS INDICATED) PER CA-MUTCD.
17	REMOVE AND SALVAGE EXISTING SIGN TO CITY YARD.
18	APPLY THERMOPLASTIC 8" DIAGONAL WHITE HATCH AT 30' SPACING.
19	APPLY THERMOPLASTIC WHITE 21"X60" BIKE LANE ARROW AND 32"X48" "BIKE LANE" PAVEMENT LEGEND PER CALTRANS STANDARD PLANS, PLAN NOS. A24A AND A24D.
20	APPLY THERMOPLASTIC 8"/8" DOUBLE SOLID YELLOW STRIPE MEDIAN ISLAND PER CALTRANS STANDARD PLANS, PLAN NO. A20D, DETAIL 29.
21	APPLY THERMOPLASTIC PAVEMENT LEGEND PER CALTRANS STANDARD PLANS, PLAN NO. A24D.
22	APPLY THERMOPLASTIC 6" DASHED WHITE LANE DROP LINE AT INTERSECTIONS PER CALTRANS STANDARD PLANS, PLAN NO. A20C, DETAIL 37B.
23	APPLY THERMOPLASTIC 6" SOLID WHITE LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 27B.
24	RELOCATE EXISTING SIGN TO THE NEW LOCATION AS SHOWN ON PLAN.
25	PAINT CURB RED.
26	INSTALL SIGN (STANDARD SIZE OR AS INDICATED) PER MORENO VALLEY STANDARD PLAN MVLT-413-0.
27	APPLY THERMOPLASTIC YELLOW CONTINENTAL CROSSWALK MARKINGS, 2'x12' WITH 2' GAP (4' ON CENTER SPACING), PER CITY OF MORENO VALLEY STANDARD PLAN NO. MVLT-432-0.
28	PAINT 4" DASHED WHITE LANELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 12.

CITY OF MORENO VALLEY
REVIEWED BY:
CITY ENGINEER DATE

DIGALERT
CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

NOTE:
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MARK	BY	DATE	REVISIONS	APPR.	DATE
	ENGINEER			CITY	

CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE

SEAL – ENGINEER
REGISTERED PROFESSIONAL ENGINEER DILEEP R. SHETH No. C65078 CIVIL STATE OF CALIFORNIA

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FAX (951) 788-1256

PREPARED UNDER THE SUPERVISION OF:
DILEEP R. SHETH
DESIGNED BY: IT CHECKED BY: MRL
R.C.E. NO.: C65078
9/4/18
DATE

BENCHMARK:
SEE TITLE SHEET

SCALE: H.: 1"=40' V: N/A

CITY OF PERRIS
TRACT 36648
SIGNING AND STRIPING PLAN
EVANS ROAD

FOR: MISSION PACIFIC LAND
W.O. 17-0264
CITY FILE NO. P8-1297

SHEET NO. 3 OF 6 SHEETS

ADDENDUM NO. 2