

GENERAL NOTES:

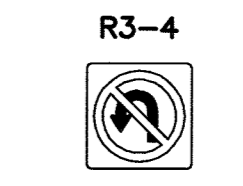
- ALL ITEMS FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS, DATED 2015; THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED 2014; AND THE SPECIAL PROVISIONS.
- UTILITIES SHOWN ON THE PLAN ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL KNOWN SUBSTRUCTURES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES ("UNDERGROUND SERVICE ALERT" (800) 227-2600).
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO NOTIFY ALL AFFECTED AGENCIES AND THE RIVERSIDE UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
- UNLESS SHOWN OTHERWISE, INDUCTIVE LOOPS SHALL BE MODIFIED TYPE "D" AND TYPE "E" WITH 10', 15', AND 30' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS. LOOPS SHALL BE SEALED WITH HOT MELT SEALANT. SEE DETAIL.
- CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTEND OPERATION.
- CONDUIT BETWEEN ADJON PULL BOXES SHALL BE 2" UNLESS SHOWN OTHERWISE. ALL CONDUIT AND FITTING SHALL BE RIGID METAL, UNLESS SHOWN OTHERWISE (BURIED IN A MINIMUM OF 30" OF COVER IN THE STREET AND PARKWAY).
- TRAFFIC SIGNAL INTERCONNECT (SIC) SHALL BE 2" UNLESS SHOWN OTHERWISE, BURIED IN A MINIMUM OF 30" COVER IN THE STREET AND PARKWAY. NO. 6 PULL BOXES WITH LIDS LABELED "COMMUNICATIONS", SHALL BE SPACED AT 400' AND THE MAXIMUM SIC BENDING RADIUS SHALL NOT EXCEED 45'. SIC CONDUIT SHALL ONLY INCLUDE SIGNAL INTERCONNECT CONDUCTORS.
- UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
- PULL BOXES SHALL BE NO. 6 WITH FIBERITE LIDS LABELED "TRAFFIC SIGNAL" UNLESS OTHERWISE NOTED ON THE PLAN.
- PULL BOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY CURB ACCESS RAMP OR DRIVEWAY.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
- ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND THE PROPERTY OWNER.
- NEW MAST ARM MOUNTED SIGN SHALL BE FABRICATED WITH 3M DIAMOND GRADE D33 REFLECTIVE SHEETING (ASTM TYPE X) OR APPROVED EQUAL. SIGNS SHALL BE STANDARD SIZE AND HAVE A MINIMUM SIDE DIMENSION OF 30".
- VEHICLE HEADS SHALL BE 12" LED TYPE. THE HOUSING, BACKPLATES AND VISORS SHALL BE METAL.
- INTERNALLY ILLUMINATED STREET NAME SIGNS (ISNS) SHALL BE TYPE A. STREET NAME LEGENDS SHALL BE UPPER/LOWER CASE AND SHALL INCLUDE BLOCK NUMBERS AND ROAD NAME SUFFIXES.
- SALVAGED TRAFFIC SIGNAL EQUIPMENT BE DELIVERED TO THE CITY OF RIVERSIDE TRAFFIC SIGNAL MAINTENANCE YARD.
- DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
- THE CONTRACTOR SHALL REMOVE ALL UNUSED PULL BOXES AND RE-PAVE SURROUNDING AREA TO MATCH EXISTING OR PROPOSED GRADE. ALL UNUSED CONDUIT SHALL BE ABANDONED AND CAPED ONCE UNUSED CONDUCTORS ARE REMOVED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ANY ADDITIONAL LOAD SWITCHES AND/OR DETECTOR CARDS, IF NECESSARY, FOR THE PROPOSED OPERATION.
- ALL CONTRACTORS WORKING ON OR AROUND THE CITY OF RIVERSIDE'S UNDERGROUND ELECTRICAL FACILITIES MUST HAVE THE PROPERLY QUALIFIED PERSONNEL AND EQUIPMENT TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE TO ESTABLISH AND MAINTAIN A SAFE WORKING ENVIRONMENT INCLUDING, BUT NOT LIMITED TO WORK AROUND ENERGIZED HIGH VOLTAGE FACILITIES, GAS TEST OF CONFINED SPACES, TRAFFIC AND PROTECTION.
- EVERY ENTRY BY ANY PERSONNEL INTO A PUBLIC UTILITIES HIGH VOLTAGE STRUCTURE WILL REQUIRE THE PRESENCE OF A QUALIFIED ELECTRICAL WORKER IN ACCORDANCE WITH CAL/OSHA. ALL DEVELOPERS AND CONTRACTORS ARE REQUIRED TO SUBMIT REQUIRED DOCUMENTATIONS AND FOLLOW REQUIRED PROCEDURES. COPIES OF THE POLICY AND DOCUMENTS MAY BE OBTAINED AT 3901 ORANGE ST. RIVERSIDE, CA OR AT WWW.RIVERSIDEPUBLICUTILITIES.COM.

EUCALYPTUS AVE (40 MPH)

EQUIPMENT SCHEDULE															
POLE DATA			SIGNAL	L.E.D.		SIGNAL HEADS AND MOUNTINGS			PED. PUSH BUTTON		POLE LOC.		I.I.S.N.S. STREET NAME SIGN (dbl. face)		
NO.	TYPE	HEIGHT	M.A.	M.A.	WATTS	VEHICULAR	M.A.	PEDESTRIAN	TYPE	PHASE	QUAD.	"B"	"E"	"C"	
A	29-5-80	30'	55'	15'	●	SV-1-T	3-MAS F=17,12'	SP-1-T(N)	APS(N)	Ø8	S	-	EXISTING	EXISTING	Eucalyptus Ave 2800
B	1-A	10'	-	-	-	TV-2-T	-	SP-1-T(N)	APS(N)	Ø2	W	EXISTING	-	EXISTING	-
C	26-4-80	30'	45'	15'	●	SV-1-T	2-MAS F=21'	SP-1-T	APS(N)	Ø2	W	-	EXISTING	EXISTING	Day St 6500
D	1-A	10'	-	-	-	TV-2-T	-	SP-1-T(N)	APS(N)	Ø4	N	EXISTING	-	EXISTING	-
E	29-5-80	30'	55'	15'	●	SV-1-T	3-MAS F=17,14'	SP-1-T	APS(N)	Ø4	N	-	EXISTING	EXISTING	Eucalyptus Ave 2800
F	1-A	10'	-	-	-	TV-2-T	-	SP-1-T	APS(N)	Ø6	E	EXISTING	-	EXISTING	-
G	26-4-80	30'	45'	15'	●	SV-1-T	2-MAS F=21'	SP-1-T(N)	APS(N)	Ø6	E	-	EXISTING	EXISTING	Day St 6400
H	1-A	10'	-	-	-	TV-2-T	-	SP-1-T	APS(N)	Ø8	S	EXISTING	EXISTING	EXISTING	-

ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE, (N) = NEW.
 ■ INSTALL CITY APPROVED LED FIXTURE EQUIVALENT OF 250W HPS.
 ■ INSTALL APS POLARA PUSH BUTTON ASSEMBLY OR CITY APPROVED EQUAL.
 ▲ EXACT POLE LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.
 POTHOLE POLE FOUNDATIONS TO FULL DEPTH PRIOR TO ORDERING POLES.

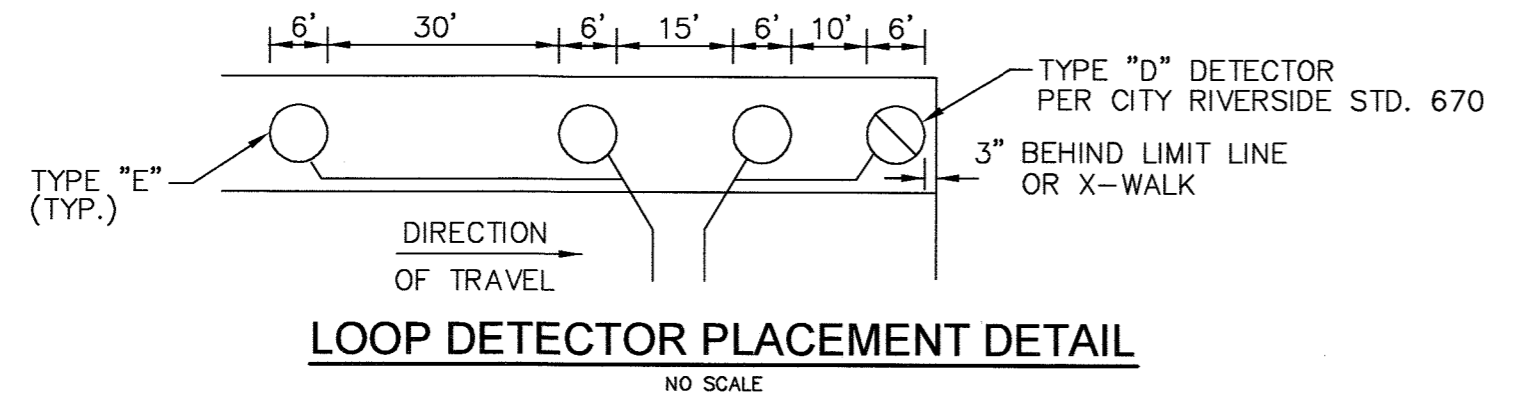
EX. SIGN ON THIS SHEET



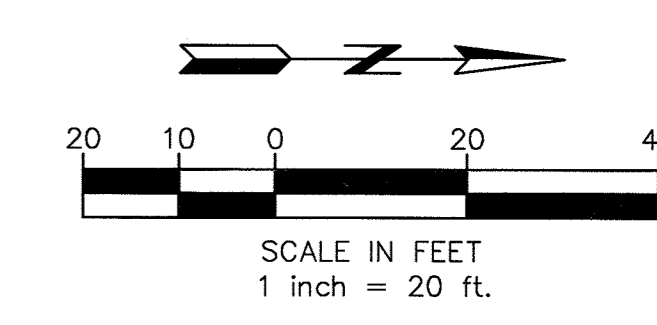
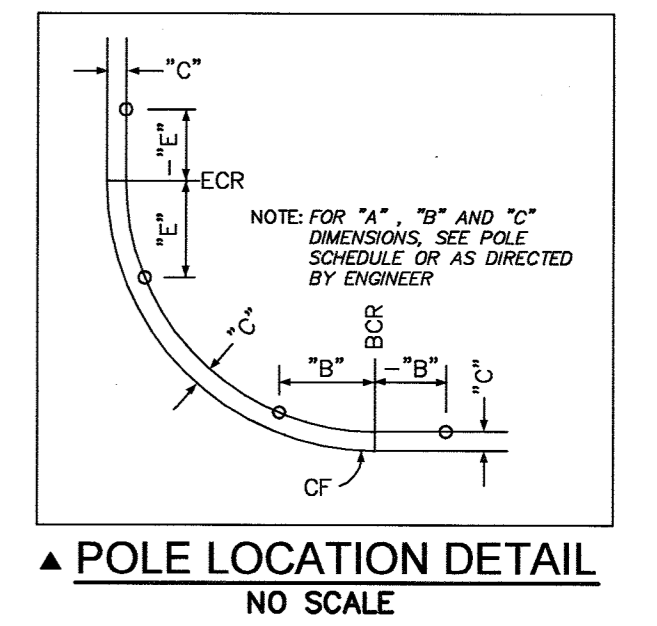
CONSTRUCTION NOTES:

- REMOVE AND SALVAGE EXISTING MODEL 170 CONTROLLER. CONTRACTOR SHALL FURNISH AND INSTALL A NEW MODEL 2070 (TYPE C) CONTROLLER ASSEMBLY IN EXISTING TYPE 332 CABINET, COMPLETE WITH DETECTION SHOWN AND AUXILIARY EQUIPMENT WITHIN THE TYPE 332 CABINET PER CITY OF RIVERSIDE SPECIFICATIONS. FURNISH AND INSTALL ADDITIONAL DETECTOR RACK AS NEEDED ANY OTHER EQUIPMENT NECESSARY TO COMPLETE INTENDED OPERATION.
- CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA EDISON TO REPLACE THE ELECTRICAL SERVICE PEDESTAL. THE CONTRACTOR MAY CONTACT THE CITY OF RIVERSIDE SIGNAL DIVISION AT 951-351-6098 TO OBTAIN A CITY FURNISHED ELECTRICAL SERVICE PEDESTAL.
- REMOVE POLE MOUNTED SIGN AS SHOWN ON PLAN.
- FURNISH AND INSTALL NEW PEDESTRIAN INDICATION WITH NEW LED COUNT-DOWN PED HEAD & MOUNTING.
- CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSH BUTTONS. CONTRACTOR SHALL FURNISH AND INSTALL NEW POLARA 2-WIRE PEDESTRIAN ACCESSIBLE SIGNALS (APS) OR CITY APPROVED EQUAL.
- REPLACE LUMINAIRE WITH NEW LED FIXTURE.
- INSTALL CASE 1 BICYCLE DETECTION LOOP PER CITY OF RIVERSIDE STD. PLAN 670.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.
Underground Service Alert
 Call: TOLL FREE
 1-800-227-2600
 WWW.CALL811.COM
 TWO WORKING DAYS BEFORE YOU DIG



CONDUCTOR SCHEDULE									
AWG SIZE OR CABLE TYPE	CONDUIT SIZE AND RUN								
	1	2	3	4	5	6	7	8	9
3 CONDUCTOR CABLE (PPB)	8	8	2	1	5	4	3	2	1
12 CONDUCTOR CABLE (VEH)	8	8	2	1	5	4	3	2	1
DETECTOR CABLE #16/2									
PHASE 1	2(N)	2(N)	-	-	2(N)	-	-	-	-
PHASE 2	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
PHASE 3	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
PHASE 4	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
PHASE 5	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
PHASE 6	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
PHASE 7	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
PHASE 8	2(N)	2(N)	-	-	2(N)	2(N)	2(N)	2(N)	2(N)
INTERCONNECT CABLE #20	1	1	-	-	1	-	-	-	-
I.I.S.N.S. #12	-	-	2	2	2	2	2	2	2
LUMINAIRES #8	-	-	2	2	2	2	2	2	2
SIGNAL SERVICE #6	2	2	-	-	2	-	-	-	-
CCTV 1	1	1	1	1	-	-	-	-	-
EVP 4	4	4	2	2	2	2	2	2	2
CONDUIT SIZES (INCHES)	2-3"	2-3"	3"	2"	3"	3"	3"	3"	2 1/2"



BENCHMARK CITY OF RIVERSIDE: GPS-66 ELEVATION: 1596.754 (NAVD-88) 2 1/2" BRASS DISK STAMPED "CITY OF RIVERSIDE GPS STATION 66 1991 CADME" SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY SIDE OF CANYON SPRINGS PARKWAY, 0.3 MILES WEST OF DAY STREET (FOR ADJUSTMENT TO NGVD-29, SUBTRACT 2.47')	BASIS OF BEARING THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF DAY STREET BEING NORTH 00°34'50" WEST AS SHOWN ON TRACT NO. 22041, AS PER MAP FILED IN BOOK 177, PAGES 1 THROUGH 8 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.	REVIEW BY CITY STAFF		CITY OF RIVERSIDE APPROVALS		ENGINEER OF RECORD'S SEAL		CITY OF RIVERSIDE	
		OFFICE CONSTRUCTION MANAGEMENT ENGINEERING MANAGER PRINCIPAL ENGINEER TRAFFIC DIVISION	INITIAL DC E.L. E.C. E.H.	DATE 9.25.17 9.25.17 9.25.17	APPROVED: PUBLIC WORKS CITY ENGINEER MARK STEUER, P.E.	DATE 9/26/17	JOHN P. KEATING No. C43595 DATE 9/26/17 STATE OF CALIFORNIA	PREPARED BY: LINSCOTT, LAW & GREENSPAN, ENGINEERS TRANSPORTATION PLANNING - TRAFFIC ENGINEERING - PARKING 1001 South Line Avenue, Suite 200, Placentia, CA 91066 (949) 798-2322 2 Eucalyptus Circle, Suite 200, Irvine, CA 92614 (949) 455-6175 4542 Redwood Street, Suite 100, San Diego, CA 92111 (619) 593-8800	UNDER THE SUPERVISION OF: JOHN P. KEATING R.C.E. #43595 (EXP. 12/31/18)

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