

CONDUCTOR TABLE

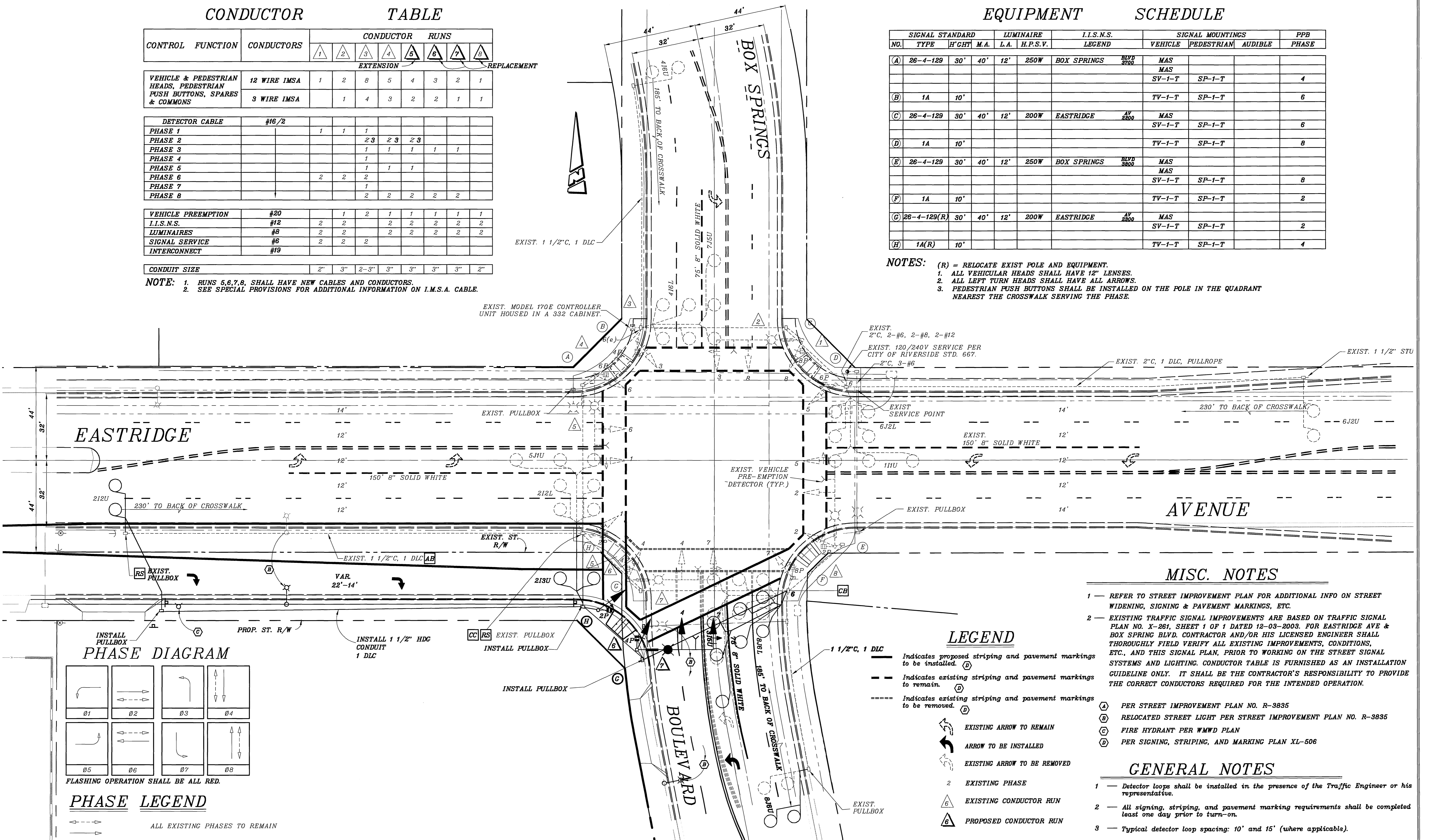
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS							
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	8	5	4	3	2	1
	3 WIRE IMSA		1	4	3	2	2	1	1
DETECTOR CABLE	#16/2								
PHASE 1		1	1	1					
PHASE 2				2	2	2			
PHASE 3		1	1	1	1	1	1	1	
PHASE 4				1					
PHASE 5				1	1	1			
PHASE 6		2	2	2					
PHASE 7				1					
PHASE 8				2	2	2	2	2	
VEHICLE PREEMPTION	#20		1	2	1	1	1	1	1
I.I.S.N.S.	#12	2	2	2	2	2	2	2	2
LUMINAIRES	#8	2	2	2	2	2	2	2	2
SIGNAL SERVICE	#6	2	2	2					
INTERCONNECT	#19								
CONDUIT SIZE		2"	3"	2-3"	3"	3"	3"	3"	2"

NOTE: 1. RUNS 5,6,7,8, SHALL HAVE NEW CABLES AND CONDUCTORS.
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.

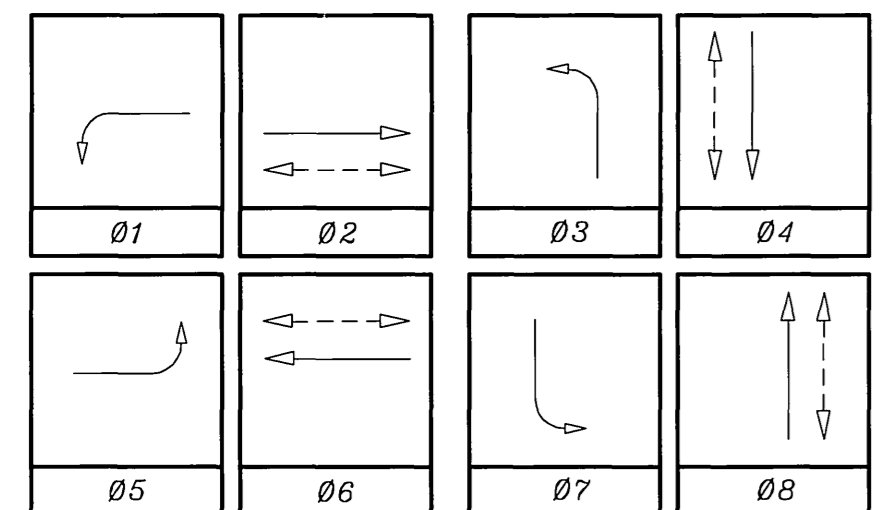
EQUIPMENT SCHEDULE

SIGNAL STANDARD NO.	TYPE	H'GHT	M.A.	LUMINAIRE L.A.	I.I.S.N.S. H.P.S.V.	I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE	
							VEHICLE	PEDESTRIAN	AUDIBLE		
(A)	26-4-129	30'	40'	12'	250W	BOX SPRINGS	BLVD 3700	MAS			
								MAS			
								SV-1-T	SP-1-T		4
(B)	1A	10'						TV-1-T	SP-1-T		6
(C)	26-4-129	30'	40'	12'	200W	EASTRIDGE	AV 2300	MAS			
								SV-1-T	SP-1-T		6
(D)	1A	10'						TV-1-T	SP-1-T		8
(E)	26-4-129	30'	40'	12'	250W	BOX SPRINGS	BLVD 3800	MAS			
								MAS			
								SV-1-T	SP-1-T		8
(F)	1A	10'						TV-1-T	SP-1-T		2
(G)	26-4-129(R)	30'	40'	12'	200W	EASTRIDGE	AV 2300	MAS			
								SV-1-T	SP-1-T		2
(H)	1A(R)	10'						TV-1-T	SP-1-T		4

NOTES: (R) = RELOCATE EXIST POLE AND EQUIPMENT.
1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
3. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

PHASE LEGEND

ALL EXISTING PHASES TO REMAIN

MISC. NOTES

- 1 - REFER TO STREET IMPROVEMENT PLAN FOR ADDITIONAL INFO ON STREET WIDENING, SIGNING & PAVEMENT MARKINGS, ETC.
- 2 - EXISTING TRAFFIC SIGNAL IMPROVEMENTS ARE BASED ON TRAFFIC SIGNAL PLAN NO. X-261, SHEET 1 OF 1 DATED 12-03-2003. FOR EASTRIDGE AVE & BOX SPRING BLVD. CONTRACTOR AND/OR HIS LICENSED ENGINEER SHALL THOROUGHLY FIELD VERIFY ALL EXISTING IMPROVEMENTS, CONDITIONS, ETC., AND THIS SIGNAL PLAN, PRIOR TO WORKING ON THE STREET SIGNAL SYSTEMS AND LIGHTING. CONDUCTOR TABLE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.

LEGEND

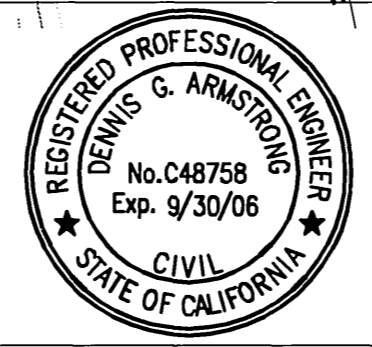
- Indicates proposed striping and pavement markings to be installed. (D)
- Indicates existing striping and pavement markings to remain. (D)
- Indicates existing striping and pavement markings to be removed. (D)
- EXISTING ARROW TO REMAIN
- ARROW TO BE INSTALLED
- EXISTING ARROW TO BE REMOVED
- EXISTING PHASE
- EXISTING CONDUCTOR RUN
- PROPOSED CONDUCTOR RUN

GENERAL NOTES

- 1 - Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
- 2 - All signing, striping, and pavement marking requirements shall be completed least one day prior to turn-on.
- 3 - Typical detector loop spacing: 10' and 15' (where applicable).

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be placed before a "Hurry to Excavate" will be valid. For your Dig Alert ID Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

PLANS PREPARED BY
ARMSTRONG & BROOKS CONSULTING ENGINEERS
1530 CONSUMER CIRCLE UNIT B
CORONA, CA 92880
PH. (951) 372-8400 FAX (951) 372-8430



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature] DATE: 3/1/06
TRAFFIC DIVISION: [Signature] DATE: 3/1/06

TRAFFIC SIGNAL MODIFICATION
EASTRIDGE AVENUE AND BOX SPRINGS BLVD.
SCALE: 1" = 20'

ACCT. NO. X-261A
SHEET 1 OF 1

CONDUCTOR TABLE

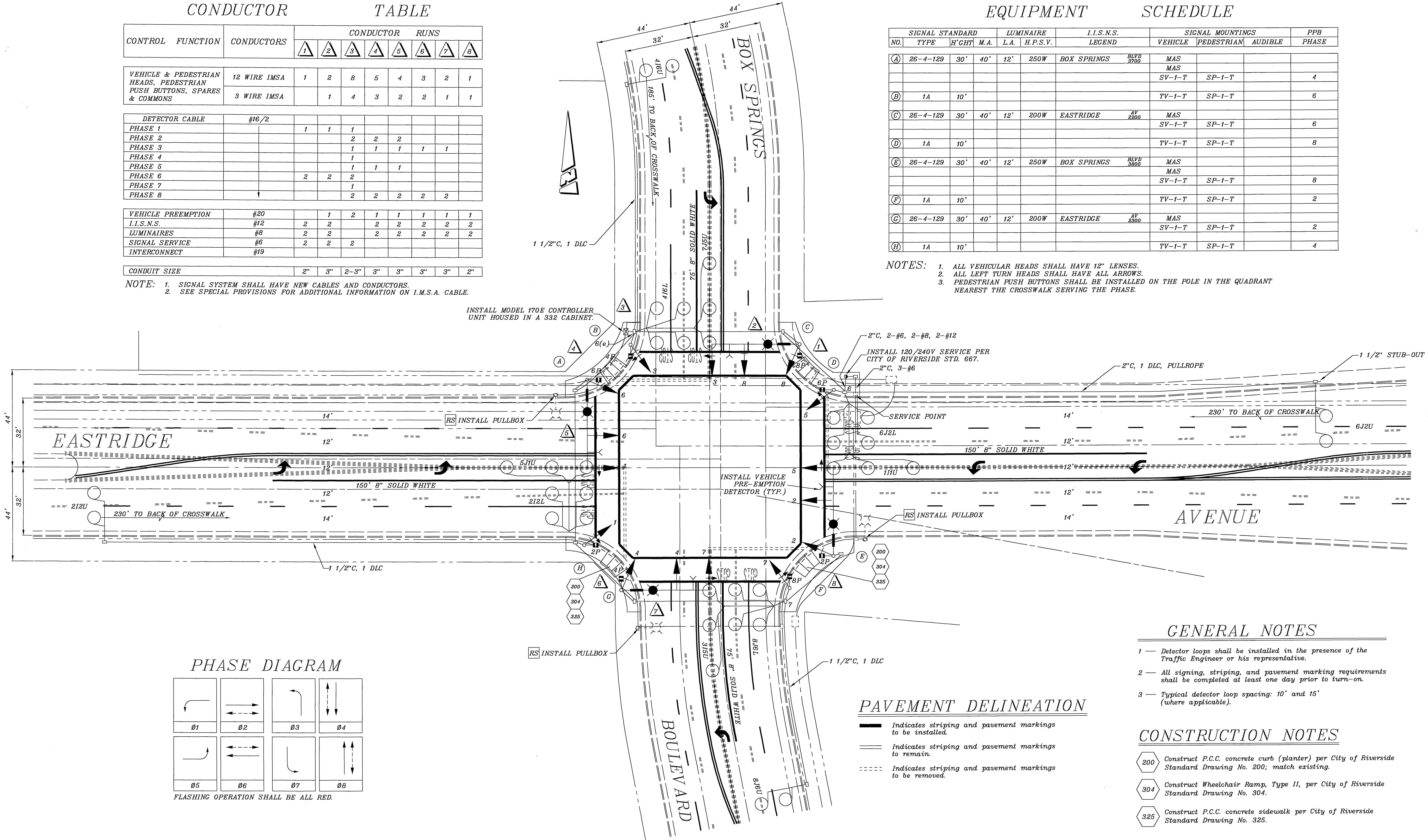
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS							
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VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	8	5	4	3	2	1
	3 WIRE IMSA		1	4	3	2	2	1	1
DETECTOR CABLE #16/2									
PHASE 1		1	1	1					
PHASE 2				2	2				
PHASE 3				1	1	1	1	1	
PHASE 4				1					
PHASE 5				1	1	1			
PHASE 6		2	2	2					
PHASE 7				1					
PHASE 8				2	2	2	2	2	
VEHICLE PREEMPTION #20									
I.I.S.N.S.	#12	2	2	2	2	2	2	2	2
LUMINAIRES	#8	2	2	2	2	2	2	2	2
SIGNAL SERVICE	#6	2	2	2					
INTERCONNECT	#19								
CONDUIT SIZE		2"	3"	2-3"	3"	3"	3"	3"	2"

NOTE: 1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS.
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.

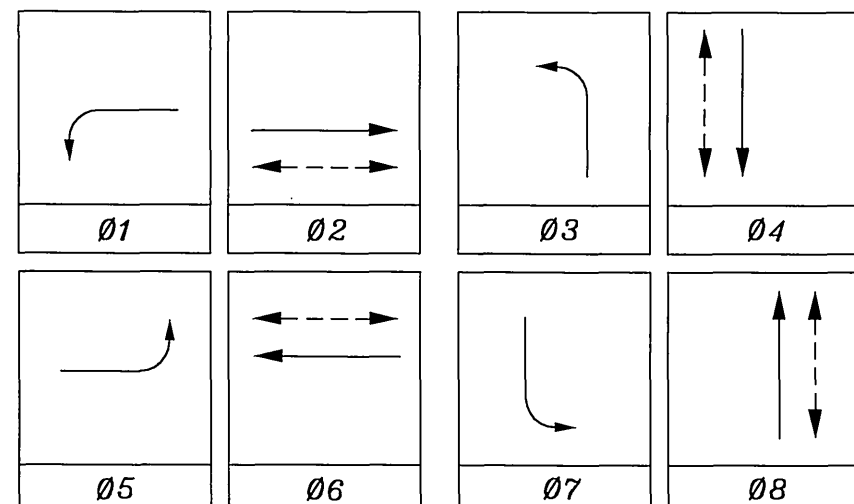
EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S. LECEND	SIGNAL MOUNTINGS			PPB PHASE	
	TYPE	H'GHT	M.A.	L.A.		H.P.S.V.	VEHICLE	PEDESTRIAN		AUDIBLE
(A)	26-4-129	30'	40'	12'	250W	BOX SPRINGS	BLVD 3200	MAS		
								MAS		
								SV-1-T	SP-1-T	4
(B)	1A	10'						TV-1-T	SP-1-T	6
(C)	26-4-129	30'	40'	12'	200W	EASTRIDGE	AV 2200	MAS		
								SV-1-T	SP-1-T	6
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(E)	26-4-129	30'	40'	12'	250W	BOX SPRINGS	BLVD 3200	MAS		
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(H)	1A	10'						TV-1-T	SP-1-T	4

NOTES: 1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
3. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

GENERAL NOTES

- Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
- All signing, striping, and pavement marking requirements shall be completed at least one day prior to turn-on.
- Typical detector loop spacing: 10' and 15' (where applicable).

CONSTRUCTION NOTES

- 200 Construct P.C.C. concrete curb (planter) per City of Riverside Standard Drawing No. 200; match existing.
- 304 Construct Wheelchair Ramp, Type II, per City of Riverside Standard Drawing No. 304.
- 325 Construct P.C.C. concrete sidewalk per City of Riverside Standard Drawing No. 325.

PAVEMENT DELINEATION

- Indicates striping and pavement markings to be installed.
- Indicates striping and pavement markings to remain.
- Indicates striping and pavement markings to be removed.

CONTRACT TE-03-03

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. For your Dig Alert ID, Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE
THOMAS JOHN BOYD
R.C.E. No. 36170 expires 6/30/04
DATE 12/3/03

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN BOYD
No. 36170
Exp. 06-30-2004
CIVIL
STATE OF CALIFORNIA

MARK REVISIONS APPR. DATE
DESIGNED BY: MAC DRAWN BY: MAC CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature] DATE: 11/19/03
PRINCIPAL ENGINEER: [Signature] DATE: 11/19/03
TRAFFIC DIVISION: [Signature]
PUBLIC UTILITIES: [Signature]

TRAFFIC SIGNAL
EASTRIDGE AVENUE AND BOX SPRINGS BLVD.
SCALE: 1" = 20'

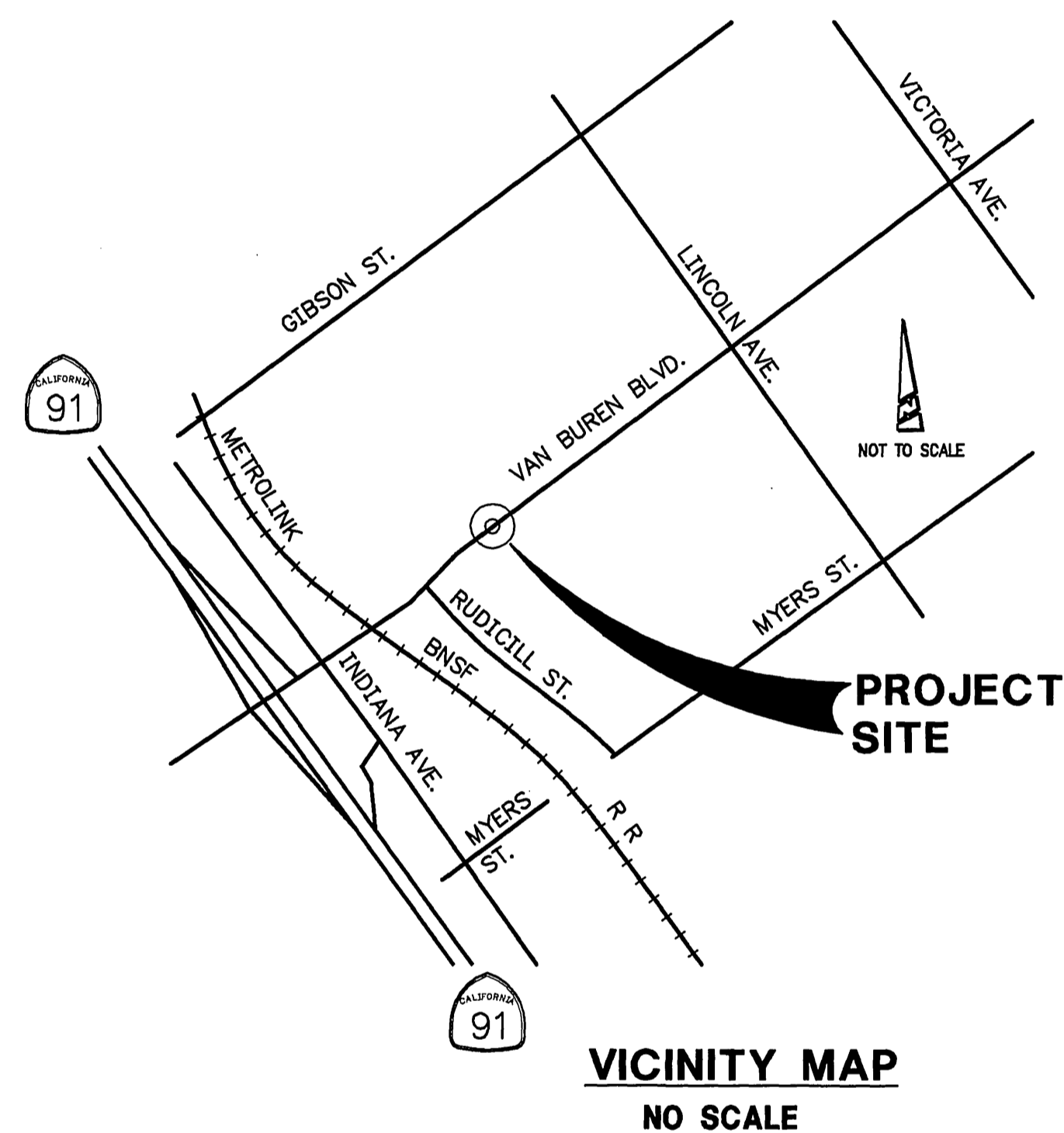
ACCT. NO. 9760830214-44030200
X-261
SHEET 1 OF 1
FILE NAME: X261.DWG

CITY OF RIVERSIDE

PLANS FOR THE STRIPING MODIFICATION AND CONSTRUCTION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF: VAN BUREN BOULEVARD / CANYON PARK APARTMENTS DRIVEWAY

INDEX TO SHEETS

SHEET NO	DESCRIPTION
1	TITLE SHEET
2	TRAFFIC SIGNAL PLAN
3	TRAFFIC STRIPING PLAN



GENERAL SIGNING & STRIPING NOTES:

- ALL REQUIRED STRIPING, PAVEMENT MARKERS AND SIGNAGE SHALL BE PROVIDED AND INSTALL BY THE CONTRACTOR.
- ALL STRIPING AND PAVEMENT MARKING REMOVALS SHOWN ON THE PLAN SHALL BE REMOVED BY SANDBLASTING OR GRINDING AS DIRECTED BY THE ENGINEER.
- THE LOCATION OF ALL SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DOUBLE YELLOW STRIPES SHALL HAVE A 3 INCH PAINTED BLACK LINE SEPARATING 4 INCH YELLOW LINES.
- THERMOPLASTIC CROSSWALK SHALL HAVE 8 FEET BETWEEN 12 INCH WHITE STRIPES
- TURN ARROWS SHALL BE LOCATED AS SHOWN ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- STRIPING LAYOUT (CAT-TRACKING) SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION OF STRIPING.
- ALL EXISTING RAISED PAVEMENT MARKERS WITHIN THE PROJECT AREA SHALL BE REPLACED IN KIND AS DETAILED ON THE SIGNING AND STRIPING PLAN AND AS DIRECTED BY THE RESIDENT ENGINEER.
- SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON THE PLAN. SALVAGED SIGNS SHALL BE DELIVERED TO THE CITY OF RIVERSIDE MAINTENANCE YARD.
- ALL EXISTING STRIPING SHALL BE REPAINTED/REAPPLIED WITHIN 500' OF THE INTERSECTION.

LEGEND:

- DT XX XX MATERIAL: P = PAINT (2 COATS), T=THERMOPLASTIC
INSTALL PER CALTRANS DETAIL
DETAIL NUMBER
- PM P IV TYPE OF TRAFFIC STRIPING MATERIAL
T = THERMOPLASTIC, P = PAINT (2 COATS)
INSTALL PAVEMENT MARKING (AS SHOWN) PER PAGE A24A
THRU A24E OF THE STANDARD PLANS, CALTRANS
TYPE NUMBER OF PAVEMENT MARKING. W=WHITE, Y=YELLOW
- IS XX XX SIGN TYPE
MOUNT SIGN AS INDICATED
MA = MOUNT ON MAST-ARM.
SP = MOUNT ON SIGNAL POLE.
MP = MOUNT ON POST OR POLE
- RS REMOVE AND SALVAGE TO THE CITY OF RIVERSIDE.
- SB REMOVE ALL CONFLICTING STRIPING AND/OR PAVEMENT MARKINGS
BY SANDBLASTING AND/OR GRINDING.

GENERAL TRAFFIC SIGNAL NOTES:

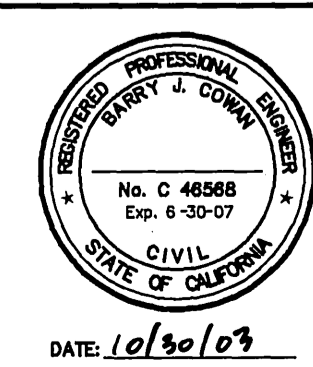
- ALL PULL BOXES SHALL BE #5 EXCEPT AS SHOWN OTHERWISE OR APPROVED BY THE ENGINEER. MAXIMUM SPACING SHALL BE 200'.
- EACH CONDUCTOR, IN EACH PULL BOX SHALL BE IDENTIFIED AS DETAILED IN THE CONDUCTOR SCHEDULE WITH A PERMANENT IDENTIFICATION BAND IN PULL BOXES AND NEAR THE END OF EACH CONDUCTOR WHERE CONDUCTORS ARE TERMINATED. PERMANENT IDENTIFICATION BANDS SHALL BE EMBOSSED ALUMINUM FOIL TYPE WITH PRESSURE SENSITIVE OIL RESISTANT ADHESIVE BACKING.
- ALL SPARE CONDUCTORS SHALL BE CONTINUOUS WITH 6' OF SLACK IN EACH PULL BOX.
- DETECTOR CURB TERMINATIONS SHALL BE TYPE "A" PER STANDARD PLAN ES-5E.
- A MINIMUM OF 2 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN TELEPHONE CONDUIT AND ELECTRICAL CONDUITS.
- A MINIMUM OF 15 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONTROLLER CABINET AND THE SERVICE EQUIPMENT ENCLOSURE.
- ALL PULL BOXES IN UNIMPROVED AREAS SHALL BE TRAFFIC BEARING.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT. STRIPING LAYOUT (CAT-TRACKING) SHALL BE APPROVED PRIOR TO LOOP DETECTOR INSTALLATION.
- ALL VEHICLE INDICATIONS SHALL BE 12" DIA. PEDESTRIAN SIGNALS SHALL BE TYPE "A" SYMBOL. ALL SIGNAL HEADS AND BACKPLATES SHALL BE METAL WITH LOUVERS. ALL LENSES SHALL BE GLASS.
- ALL LOOPS SHALL BE 6' ROUND WITH 10' SPACING IN THE DIRECTION OF TRAVEL AND CENTERED IN THE LANE EXCEPT AS SHOWN. EXTEND LIMIT LINE LOOPS 2' PAST LIMIT LINE UNLESS OTHERWISE INDICATED. LOOPS SHALL BE TESTED AND APPROVED PRIOR TO FILLING SAWCUTS.
- CONDUIT SHALL BE 2 INCH RIGID METAL UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONDUIT UNDER PAVING SHALL BE INSTALLED WITHOUT OPEN CUTTING.
- A MINIMUM OF 6' OF SLACK SHALL BE PROVIDED AT EACH PULL BOX AND 15 FEET OF SLACK AT EACH CONTROLLER CABINET FOR SIGNAL INTERCONNECT CABLE.
- ALL 12" SECTIONS AND THE ARROW SECTIONS TRAFFIC SIGNAL FACES PLUS PED SECTIONS SHALL UTILIZE LIGHT EMITTING DIODE SIGNAL MODULES.

GENERAL CONSTRUCTION NOTES:

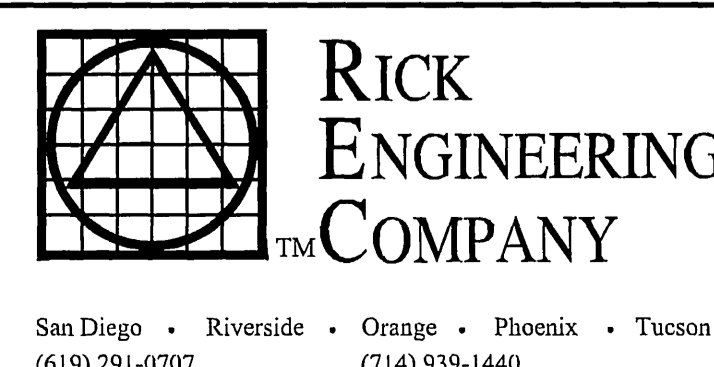
- ALL MATERIAL AND WORK SHALL CONFORM TO THE JULY 2002 STANDARD PLANS AND SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION.
- LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL CONCERNED UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF EXCAVATION. CALL UNDERGROUND SERVICE ALERT AT (800) 227-2600. HAND DIG UNTIL CLEAR OF OBSTRUCTIONS AS DIRECTED BY THE ENGINEER.
- SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
- EXISTING PRIVATELY OWNED IMPROVEMENTS ON PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED OR REPLACED, AS DIRECTED BY THE ENGINEER.
- THE CITY RIGHT-OF-WAY SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON CITY RIGHT-OF-WAY AFFECTED BY HIS CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE INSPECTOR.



PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT.
INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PLANS PREPARED UNDER SUPERVISION OF
Mary A. Cavan
Date 10/30/03 R.C.E. EXP. -----
BENCH MARK



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY:	BY	DATE	APPROVED BY:
PRINCIPAL ENGINEER	<i>DL</i>	11/14/03	<i>Tom Boyd</i>
TRAFFIC DIVISION	<i>DL</i>	11/30/03	CITY ENGINEER
PUBLIC UTILITIES	<i>DM</i>	11/30/03	DATE: 11/24/03

CITY OF RIVERSIDE
TITLE SHEET
VAN BUREN BOULEVARD AND
CANYON PARK APARTMENTS
DRIVEWAY

JOB NO. -----
SHEET 1 OF 3