

EQUIPMENT

SCHEDULE

SIGNAL STANDARD NO.	TYPE	LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB PHASE
		H'GHT	M.A.	L.A.	H.P.S.V.	VEHICLE	PEDESTRIAN	AUDIBLE	
Ⓐ	24-4-129	30'	35'	12'	250W	BLANK	2-MAS	SV-1-T	
							SV-1-T	SP-1-T	((C))
									4
Ⓑ	1A	10'					TV-1-T	SP-1-T	((P))
									6
Ⓒ	TYPE 15	30'		12'	250W	BLANK	SV-1-T	SP-1-T	((P))
									6
Ⓓ	1A	10'					TV-1-T	SP-1-T	((C))
									8
Ⓔ	29-5-129	30'	35'	12'	250W		3-MAS	SV-1-T	SP-1-T
									((C))
									8
Ⓕ	18-4-129	17'	25'			BLANK	2-MAS	SV-2-T	SP-1-T
									((C))
									4

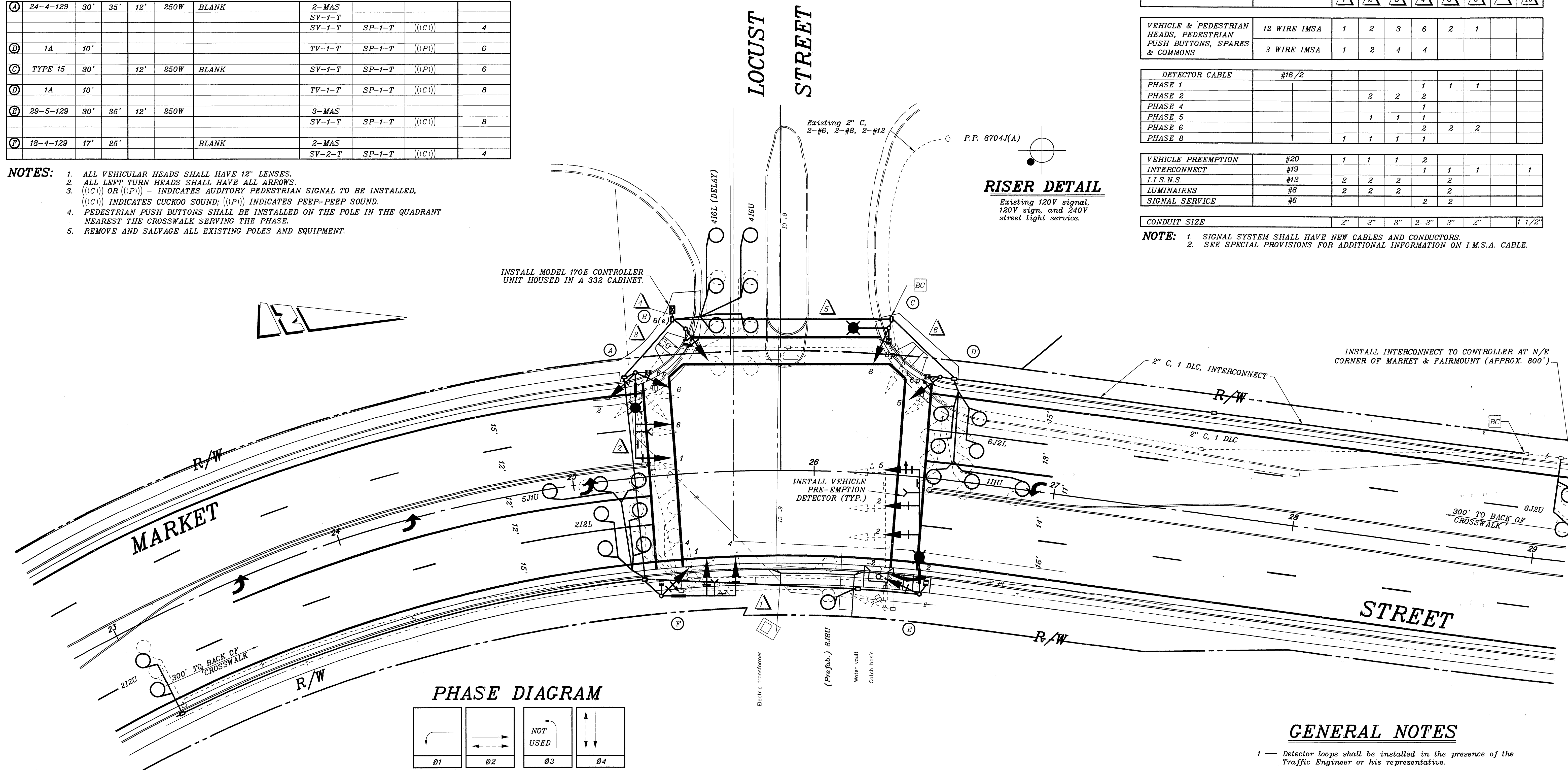
- NOTES:**
1. ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
 2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
 3. ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.
 4. ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
 5. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
 6. REMOVE AND SALVAGE ALL EXISTING POLES AND EQUIPMENT.

CONDUCTOR

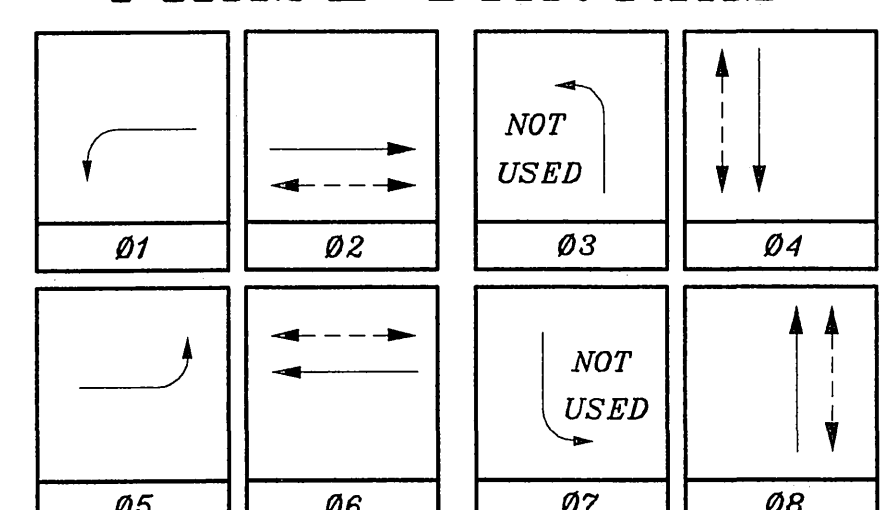
TABLE

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	3	6	2	1		
	3 WIRE IMSA	1	2	4	4				
DETECTOR CABLE	#16/2								
PHASE 1					1	1	1		
PHASE 2			2	2	2				
PHASE 4					1				
PHASE 5			1	1	1				
PHASE 6					2	2	2		
PHASE 8		1	1	1	1				
VEHICLE PREEMPTION INTERCONNECT	#20	1	1	1	2				
I.I.S.N.S.	#19				1	1	1		1
LUMINAIRES	#12	2	2	2	2				
SIGNAL SERVICE	#8	2	2	2	2				
	#6				2	2			
CONDUIT SIZE		2"	3"	3"	2-3"	3"	2"		1 1/2"

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



PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

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 at least one day prior to turn-on.
- 3 - Typical detector loop spacing: 10', 15', and 30' (where applicable).
- 4 - Pavement Delineation shown hereon is for reference only. See plan XL-483 for proposed striping.
- 4 - See also Plan R-3683 for other improvements.

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 6/26/08
 DATE: 6/22/04

REGISTERED PROFESSIONAL ENGINEER
 THOMAS JOHN BOYD
 No. 36170
 Exp. 06-30-2008
 CIVIL
 STATE OF CALIFORNIA

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION

DATE: 6/22/04

APPROVED BY: [Signature]
 CITY ENGINEER

DATE: 6/22/04

TRAFFIC SIGNAL MODIFICATION
MARKET STREET AT LOCUST STREET

SCALE: 1" = 20'

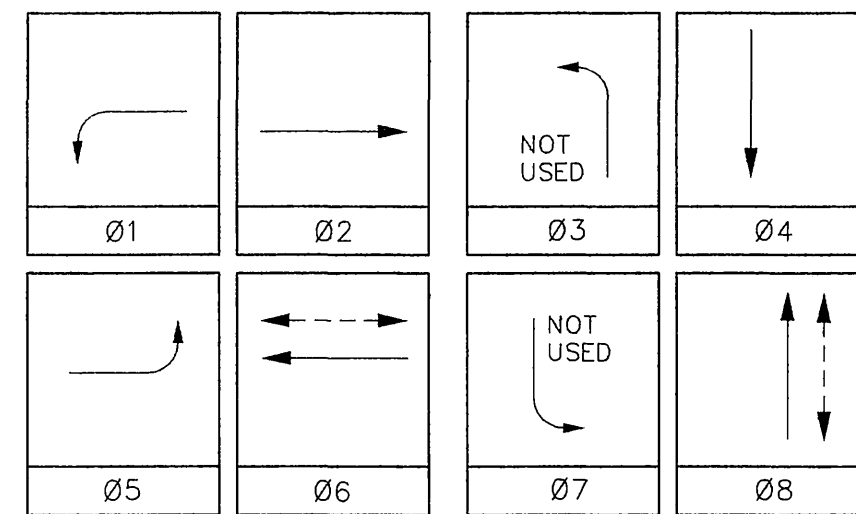
ACCT. NO. 9544830214-44030200
X-160A
 SHEET 1 OF 1
 FILE NAME: X160A.DWG

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	1	2	2	2	3	2	1
DETECTOR CABLE	#16/2	2	2	2	2			
PHASE 2								
PHASE 4								
PHASE 6								
PHASE 8								
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	2			
CONDUIT SIZE		2"	3"	3"	2-3"	3"	3"	2"

NOTE:
SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.

PHASE DIAGRAM



FLASHING OPERATION: ALL RED.

DETECTOR SCHEDULE

LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
111U	3	
212U	2	
212L	4	
416U	3	
416L	3	DELAY
511U	3	
612U	2	
612L	4	
818U	2	

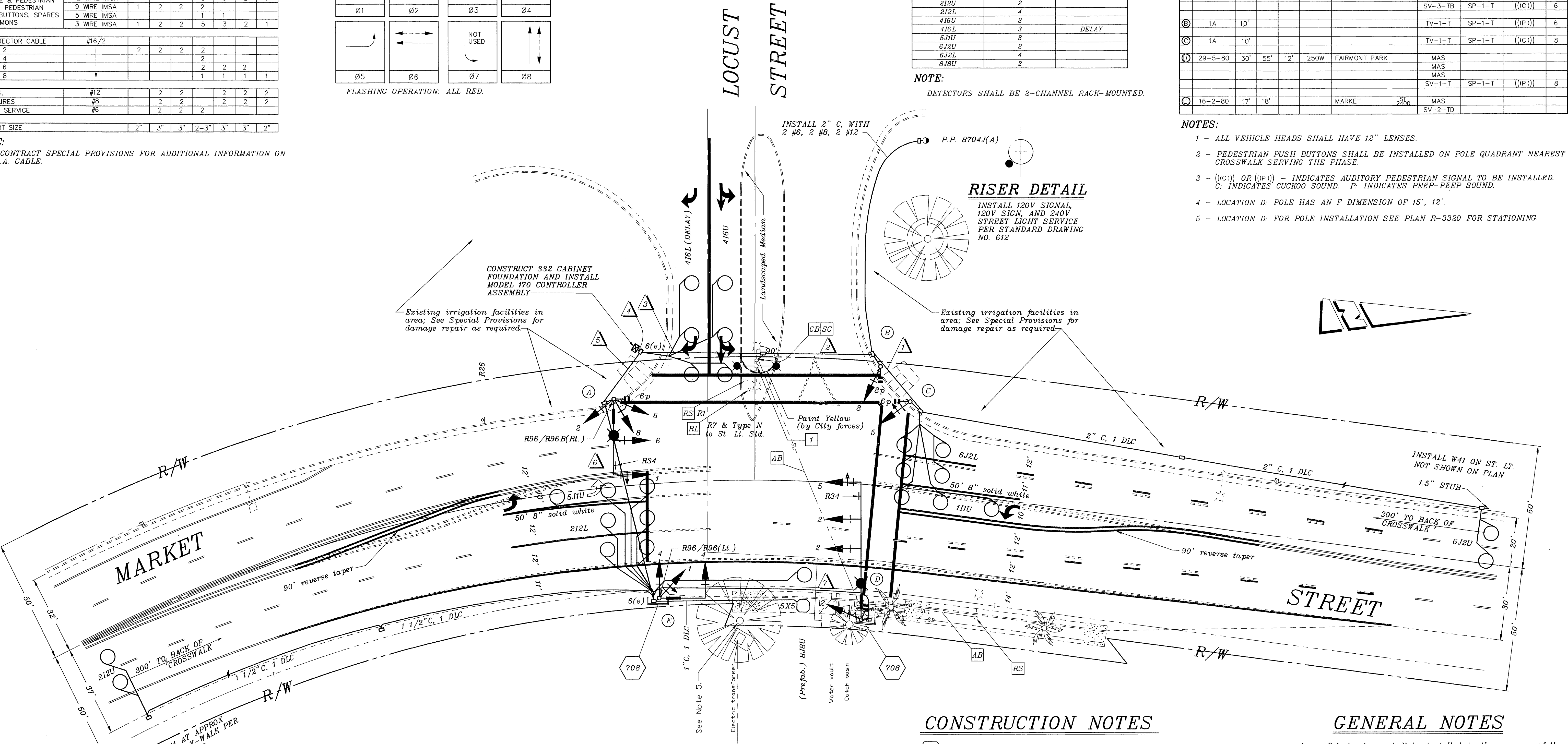
NOTE:
DETECTORS SHALL BE 2-CHANNEL RACK-MOUNTED.

EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD	TYPE	HEIGHT	M.A.	LUMINAIRE M.A.	H.P.S.V.	I.I.S.N.S. LEGEND	SIGNALS			PPB PHASE
								VEHICLE	PEDESTRIAN	AUDIBLE	
①	19-4-80	30'	30'	12'	250W	FAIRMONT PARK	MAS				
							MAS				
							SV-3-TB	SP-1-T	((IC))		6
②	1A	10'					TV-1-T	SP-1-T	((IP))		6
③	1A	10'					TV-1-T	SP-1-T	((IC))		8
④	29-5-80	30'	55'	12'	250W	FAIRMONT PARK	MAS				
							MAS				
							SV-1-T	SP-1-T	((IP))		8
⑤	16-2-80	17'	18'			MARKET	MAS				
							SV-2-TD				

NOTES:

- ALL VEHICLE HEADS SHALL HAVE 12" LENSES.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON POLE QUADRANT NEAREST CROSSWALK SERVING THE PHASE.
- ((IC)) OR ((IP)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. C INDICATES CUCKOO SOUND. P INDICATES PEEP-PEEP SOUND.
- LOCATION D: POLE HAS AN F DIMENSION OF 15', 12'.
- LOCATION D: FOR POLE INSTALLATION SEE PLAN R-3320 FOR STATIONING.



CONSTRUCTION NOTES

- 708 Construct retaining wall per City of Riverside Standard Dug. No. 708, (See Detail "A").
- 1 Rotate luminaire arms 90 deg. as indicated.

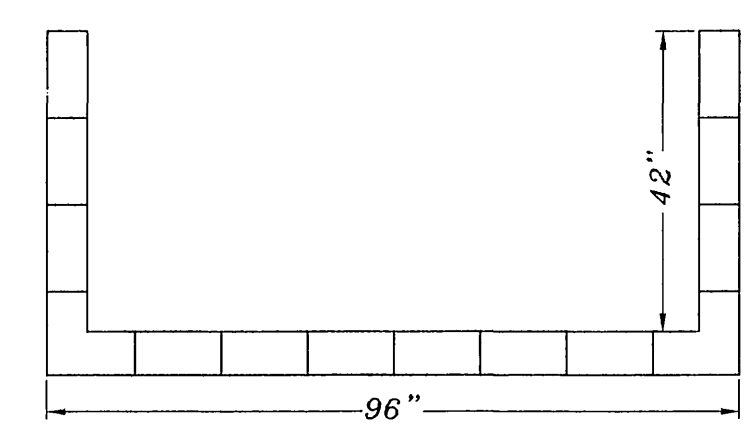
GENERAL NOTES

- 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', 15', and 30' (where applicable).
- See also Plan R-3320 for other improvements.
- Contractor shall remove one major branch on southerly side of tree and trim as required for clearance of traffic signal facilities.

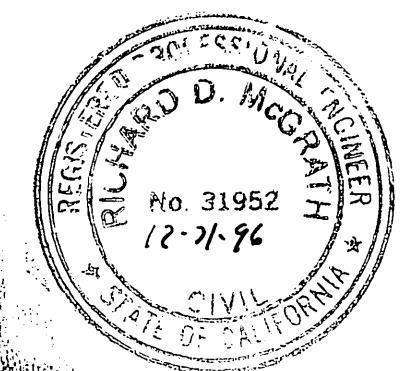
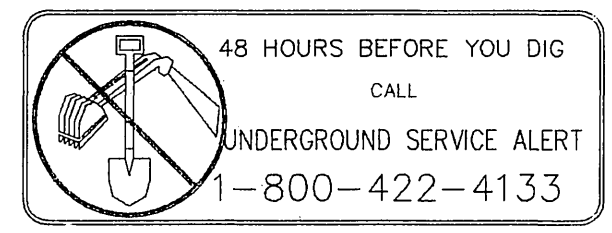
PAVEMENT DELINEATION

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

NOTE: All pavement delineation work shall be performed by City of Riverside forces; See Special Provisions.



DETAIL "A"
Typical Retaining Wall Configuration
HEIGHT = 24"



ENGINEER IN RESPONSIBLE CHARGE
Richard D. McGrath
RICHARD D. McGRATH
R.C.E. No. 31952 expires 12-31-96
DATE 4/27/94

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY DATE	APPROVED BY	BY DATE
PRINCIPAL ENGINEER	12/14/94	Director of Public Works	12/14/94
P.W. INSPECTION	12/14/94		
TRAFFIC DIVISION	12/14/94		
CHIEF P.W. ENGR.	12/14/94		
PUBLIC UTILITIES			
PARKS & REC.			

DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]

CONTRACT TE-94-1

TRAFFIC SIGNAL
LOCUST STREET @ MARKET STREET

ACCT. NO. 430-541600-440303-30300
X-160
SHEET 1 OF 1
FILE NAME: X160.DWC

SCALE: 1" = 20'