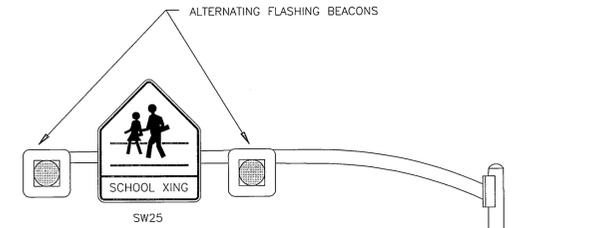
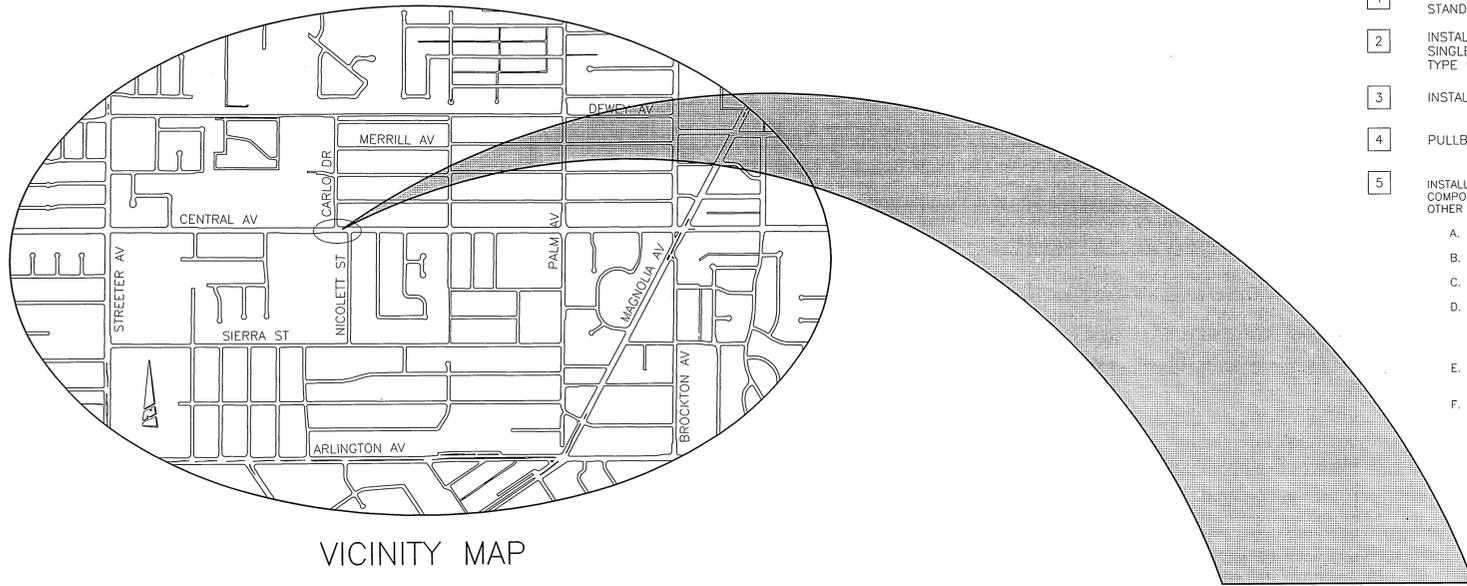
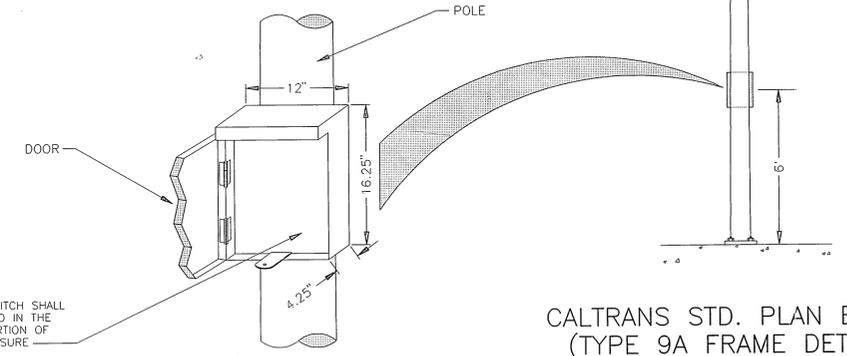


CONSTRUCTION NOTES

1. INSTALL CANTILEVER FLASHING BEACON (12" LENS) PER CALTRANS STANDARD PLAN ES-9A.
2. INSTALL SW25 SIGN (W66 & W66A FABRICATED AS A SINGLE UNIT) PER CAL TRANS STANDARD PLAN ES-9A TYPE 9A FRAME DETAILS.
3. INSTALL (2) 15 AMP INLINE FUSES FOR 120V SERVICE.
4. PULLBOX INSTALLED BY CITY OF RIVERSIDE PUBLIC UTILITIES.
5. INSTALL FLASHING BEACON CONTROL ASSEMBLY ON POLE; CIRCUITRY AND COMPONENTS SHALL CONFORM TO CALTRANS STANDARD PLAN ES-4C. OTHER REQUIREMENTS ARE AS FOLLOWS:
  - A. THE ASSEMBLY ENCLOSURE SHALL BE WEATHERPROOF.
  - B. MATERIAL: ANODIZED ALUMINUM, 0.125" THICKNESS.
  - C. DOOR SHALL BE LOCKABLE BY PADLOCK.
  - D. CIRCUITRY SHALL INCORPORATE A SOLID STATE TIMER AND TOGGLE SWITCH FOR PROGRAMMING AND MANUAL OPERATIONS, RESPECTIVELY. SEE DETAIL FOR PLACEMENT OF TOGGLE SWITCH.
  - E. CIRCUITRY SHALL PROVIDE FOR ALTERNATING FLASHING OF THE BEACONS.
  - F. SEE DETAIL REGARDING ALUMINUM SHEETING.



FLASHING BEACON CONTROL ASSEMBLY ENCLOSURE DETAIL



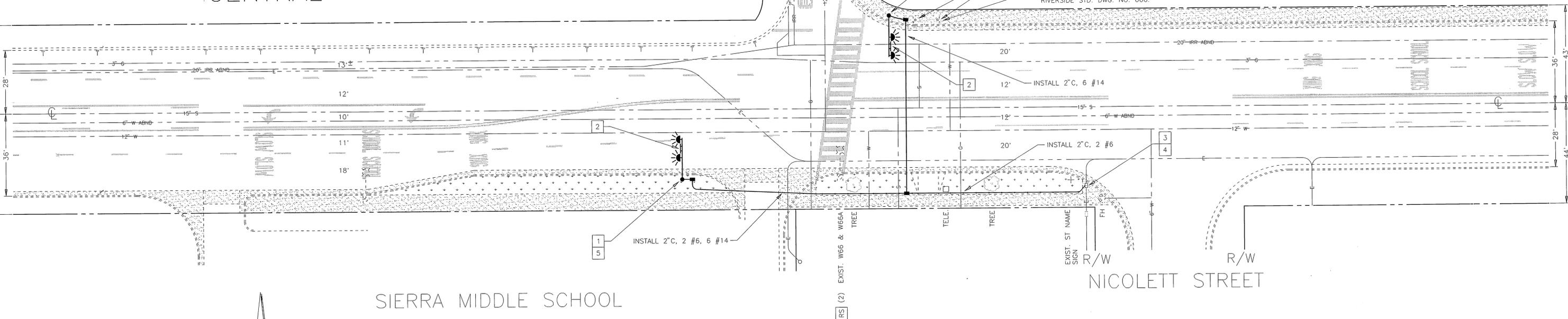
VICINITY MAP

CENTRAL

CARLO DRIVE  
R/W R/W

CALTRANS STD. PLAN ES-9A  
(TYPE 9A FRAME DETAIL)

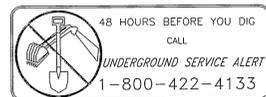
AVENUE



SIERRA MIDDLE SCHOOL

NICOLETT STREET

CONTRACT TE-95-1  
CONTRACT CHANGE ORDER NO. 1



ENGINEER IN RESPONSIBLE CHARGE  
*Richard D. McGrath*  
RICHARD D. McGRATH  
R.C.E. NO. 31952 EXPIRES 12-31-96  
DATE 7-31-95

MARK	REVISIONS	APPRO	DATE

DESIGNED BY *Jed* DRAWN BY TRC CHECKED BY *Jed*

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER			DIRECTOR OF PUBLIC WORKS
P.W. INSPECTION			
TRAFFIC DIVISION			
CHEF P.W. ENGR.			
PUBLIC UTILITIES			

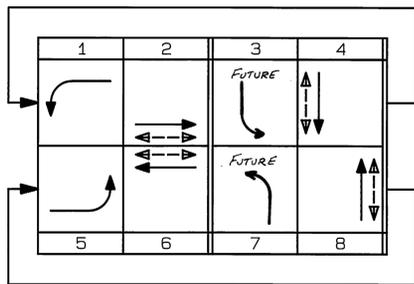
DATE 7/31/95

FLASHING YELLOW BEACON  
CENTRAL AVENUE  
AND  
CARLO DRIVE  
SCALE: 1" = 20'

ACCT. NO. 0230-541600-440902-35075  
X-213  
SHEET 1 OF 1  
FILE NAME: X213.DWG

CONDUCTOR SCHEDULE										
A.M.G. OR D.L.C.	CIRCUIT	RUNS								
		1	2	3	4	5	6	7	8	
#14	Ø 1 VEHICLE	3	3	3	3	3	3	3	6	6
	Ø 2 VEHICLE				3				3	3
	Ø 4 VEHICLE		3	3	3				3	3
	Ø 5 VEHICLE				3				3	3
	Ø 6 VEHICLE					3	3	3	3	3
	Ø 8 VEHICLE					3	3	3	3	3
	Ø 2 PEDESTRIAN	2	2	2	2				2	2
	Ø 4 PEDESTRIAN	2	2	2	2	2	2	2	4	4
	Ø 6 PEDESTRIAN					2	2	2	2	2
	Ø 8 PEDESTRIAN					2	2	2	2	2
	Ø 2 P.P.B.		1	2	2				4	4
	Ø 4 P.P.B.		1	1	1	1	1	1	2	2
	Ø 6 P.P.B.					2	1		2	2
	Ø 8 P.P.B.					1			2	2
P.P.B. COMMON	1	1	1	1	1	1	1	2	2	
SPARES	3	3	3	3	3	3	3	6	6	
TOTAL #14	10	16	19	26	22	19	13	49	49	
#12 I.S.N.S.	2	2	2	2	2	2	2	-	-	
#10 SIGNAL COMMON	1	1	1	1	1	1	1	2	2	
#8 LUMINAIRES	2	2	2	2	2	2	2	1	1	
#6 SIGNAL SERVICE	2	2	2	2	-	-	-	1	1	
Ø 1 DETECTOR								1	1	
Ø 2 DETECTOR	2	2	2	2				2	2	
Ø 4 DETECTOR					2	2		2	2	
D.L.C. Ø 5 DETECTOR	1	1	1	1				1	1	
Ø 6 DETECTOR								2	2	
Ø 8 DETECTOR					2	2		2	2	
TOTAL D.L.C.	3	3	5	5	2	2	-	10	10	
INTERCONNECT CABLE								1	1	
CONDUIT SIZE	2.5"	2.5"	3"	3"	2.5"	2.5"	2"	2-3"	2-3"	

PHASE DIAGRAM



NOTE: Flashing indication shall be all red.  
The controller cabinet shall be wired for proposed and future phases.

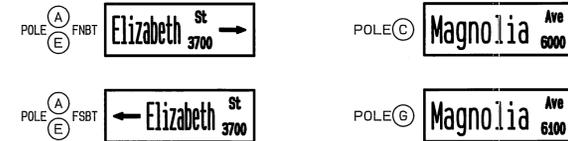


SCALE: 1" = 20'

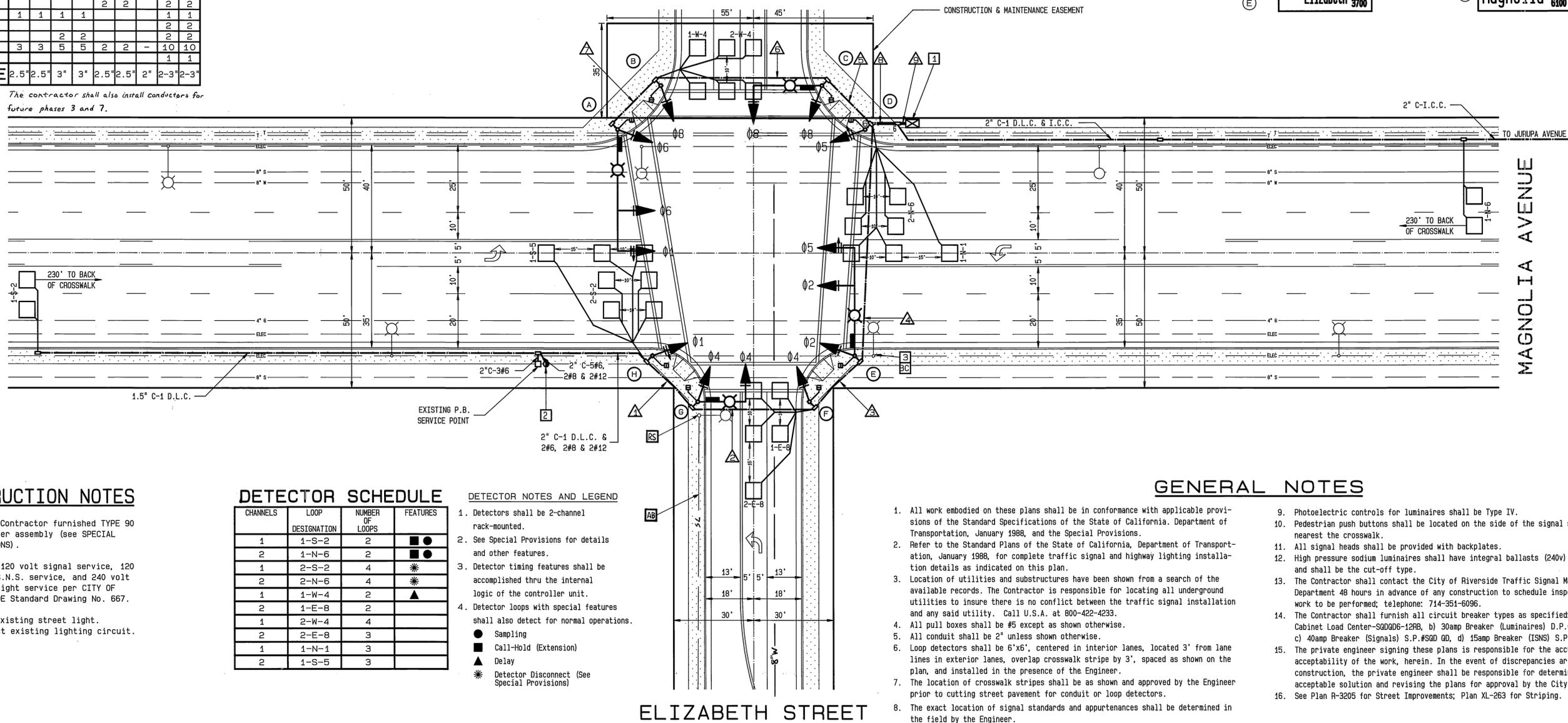
POLE AND EQUIPMENT SCHEDULE												
NO.	STANDARD		PLACEMENT DIMENSIONS		VEH. SIGNAL MTG.		PED. SIGNAL		P.P.B.	H.P.S.		
	TYPE	SIG.M.A.	LUM.M.A.	"A"	"B"	MAST ARM	POLE	Ø	MTG.	Ø	ARROW	LUMINAIRE
(A)	26-4-80	45	12	13	3.0	MAS/MAS	SV-1-T	6	SP-1-T	4	←	250W
(B)	1-A	-	-	13	3.0	-	TV-1-T	4	SP-1-T	6	→	-
(C)	19-4-80	2.5	12	13	3.0	MAS	SV-1-T	8	SP-1-T	6	←	200W
(D)	1-A	-	-	13	3.0	-	TV-1-T	6	SP-1-T	8	→	-
(E)	26-4-80	40	12	0	3.0	MAS/MAS	SV-1-T	2	SP-1-T	8	←	250W
(F)	1-A	-	-	0	3.0	-	TV-1-T	8	SP-1-T	2	→	-
(G)	17-3-80	18	12	0	3.0	MAS	SV-1-T	4	SP-1-T	2	←	200W
(H)	1-A	-	-	0	3.0	-	TV-1-T	2	SP-1-T	4	→	-

NOTE: 1-A Standards shall be aluminum.

INTERNALLY ILLUMINATED STREET NAME SIGN FACES



MAGNOLIA TOWN CENTER ENTRANCE



CONSTRUCTION NOTES

- Install Contractor furnished TYPE 90 controller assembly (see SPECIAL PROVISIONS).
- Install 120 volt signal service, 120 volt I.S.N.S. service, and 240 volt street light service per CITY OF RIVERSIDE Standard Drawing No. 667.
- Remove existing street light. Reconnect existing lighting circuit.

DETECTOR SCHEDULE

CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-S-2	2	■ ●
2	1-N-6	2	■ ●
1	2-S-2	4	*
2	2-N-6	4	*
1	1-W-4	2	▲
2	1-E-8	2	
1	2-W-4	4	
2	2-E-8	3	
1	1-N-1	3	
2	1-S-5	3	

DETECTOR NOTES AND LEGEND

- Detectors shall be 2-channel rack-mounted.
- See Special Provisions for details and other features.
- Detector timing features shall be accomplished thru the internal logic of the controller unit.
- Detector loops with special features shall also detect for normal operations.
  - Sampling
  - ▲ Call-Hold (Extension)
  - Delay
  - \* Detector Disconnect (See Special Provisions)

GENERAL NOTES

- All work embodied on these plans shall be in conformance with applicable provisions of the Standard Specifications of the State of California, Department of Transportation, January 1988, and the Special Provisions.
- Refer to the Standard Plans of the State of California, Department of Transportation, January 1988, for complete traffic signal and highway lighting installation details as indicated on this plan.
- Location of utilities and substructures have been shown from a search of the available records. The Contractor is responsible for locating all underground utilities to insure there is no conflict between the traffic signal installation and any said utility. Call U.S.A. at 800-422-4233.
- All pull boxes shall be #5 except as shown otherwise.
- All conduit shall be 2" unless shown otherwise.
- Loop detectors shall be 6'x6', centered in interior lanes, located 3' from lane lines in exterior lanes, overlap crosswalk stripe by 3', spaced as shown on the plan, and installed in the presence of the Engineer.
- The location of crosswalk stripes shall be as shown and approved by the Engineer prior to cutting street pavement for conduit or loop detectors.
- The exact location of signal standards and appurtenances shall be determined in the field by the Engineer.
- Photoelectric controls for luminaires shall be Type IV.
- Pedestrian push buttons shall be located on the side of the signal standard nearest the crosswalk.
- All signal heads shall be provided with backplates.
- High pressure sodium luminaires shall have integral ballasts (240v) and shall be the cut-off type.
- The Contractor shall contact the City of Riverside Traffic Signal Maintenance Department 48 hours in advance of any construction to schedule inspection of the work to be performed; telephone: 714-351-6096.
- The Contractor shall furnish all circuit breaker types as specified: a) Square D Cabinet Load Center-SQDQ6-12RB, b) 30amp Breaker (Luminaires) D.P.#SQD QD, c) 40amp Breaker (Signals) S.P.#SQD QD, d) 15amp Breaker (ISNS) S.P.#SQD QD.
- The private engineer signing these plans is responsible for the accuracy and acceptability of the work, herein. In the event of discrepancies arising during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for approval by the City of Riverside.
- See Plan R-3205 for Street Improvements; Plan XL-263 for Striping.

CITY OF RIVERSIDE WATER SYSTEM

Richard J. Doherty 3-12-92  
Approved By Date

SOUTHERN CALIFORNIA GAS COMPANY

W.D. Searles 3-12-92  
Approved By Date



LAWRENCE S. EISENHART  
CONSULTING ENGINEER  
4351 Latham Street, Suite 210  
Riverside, California 92501  
Telephone: (714) 788-4950

Lawrence S. Eisenhart 3-6-92  
LAWRENCE S. EISENHART R.C.E. 13493 DATE

CITY OF RIVERSIDE  
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY	APPROVED BY
PRINCIPAL ENGINEER	3/12/92	5	Barry Bell
PARK DEPARTMENT			PUBLIC WORKS DIRECTOR
TRAFFIC DIVISION	3-12-92	76	
CHIEF P.W. ENGINEER	3/12/92	12816	
PUBLIC UTILITIES			DATE 3/20/92

TRAFFIC SIGNAL PLAN

MAGNOLIA AVENUE  
and  
ELIZABETH STREET

ACCOUNT NO.

X-213

SHEET 1 OF 1

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=