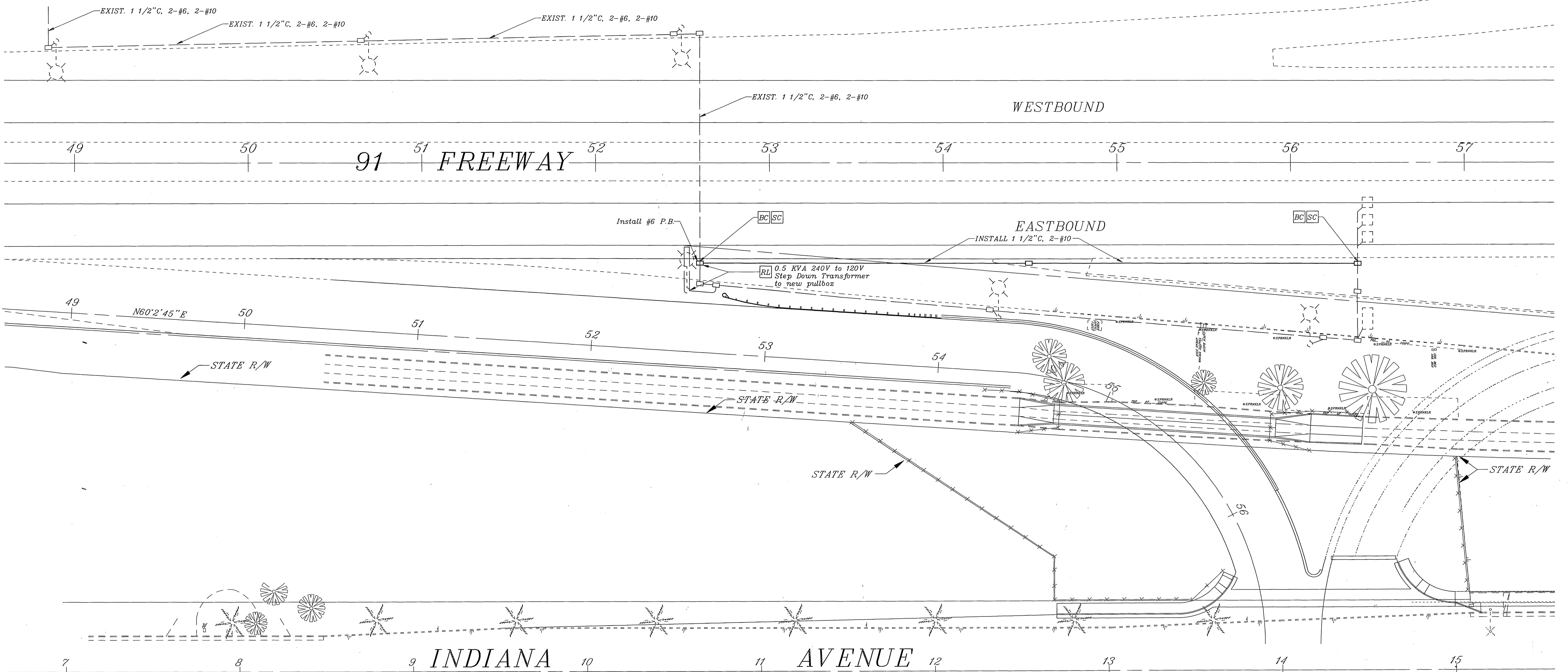
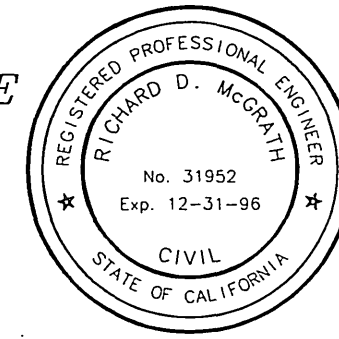


TO EXIST. 240V SERVICE POINT



CONTRACT CHANGE ORDER NO. 9

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

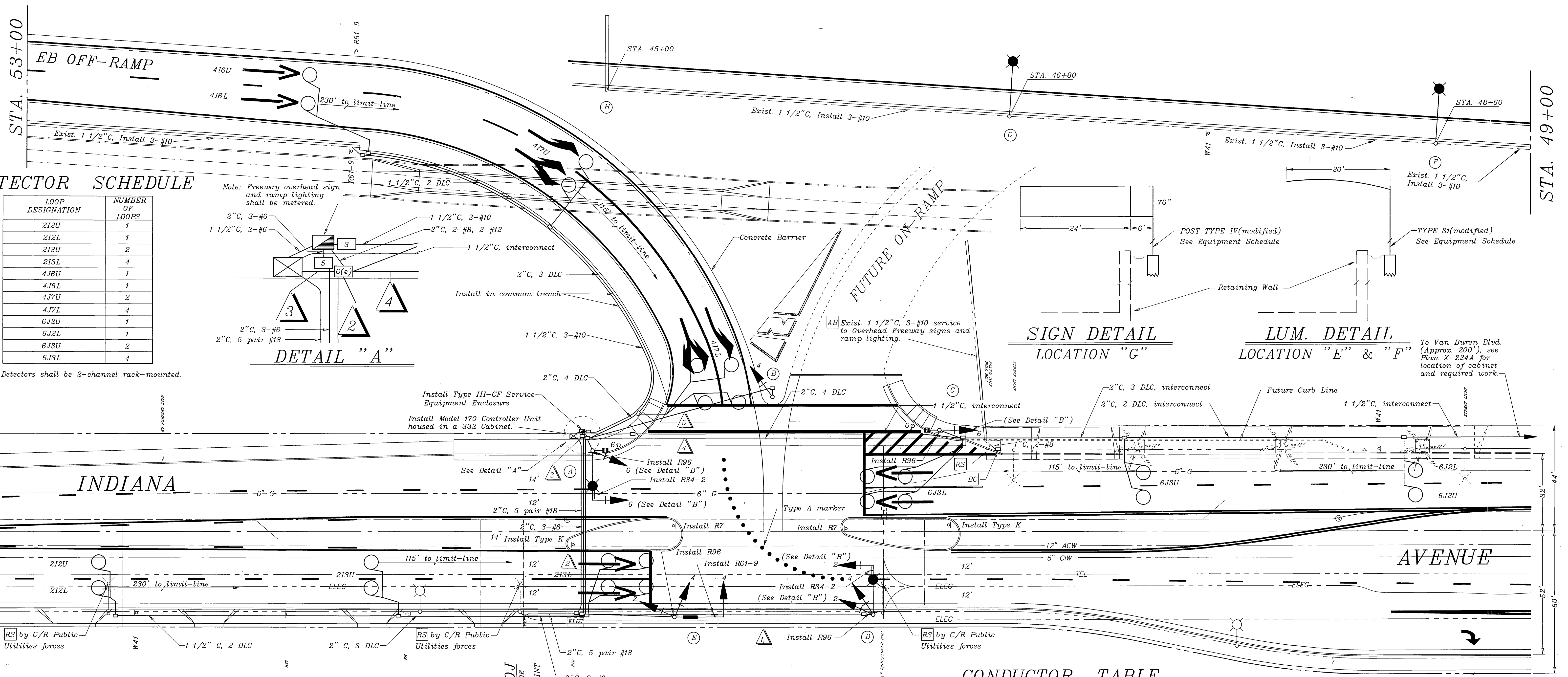
**ENGINEER IN RESPONSIBLE CHARGE**  
  
 Richard D. McGrath  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 7-8-96

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: [Signature]  
 PRINCIPAL ENGINEER  
 P.W. INSPECTION  
 TRAFFIC DIVISION  
 CHIEF P.W. ENGR.  
 PUBLIC UTILITIES  
 DATE 7/9/96

ELECTRICAL MODIFICATION  
 INDIANA AVENUE @ 91 FREEWAY  
 EB OFF-RAMP  
 SCALE: 1" = 20'

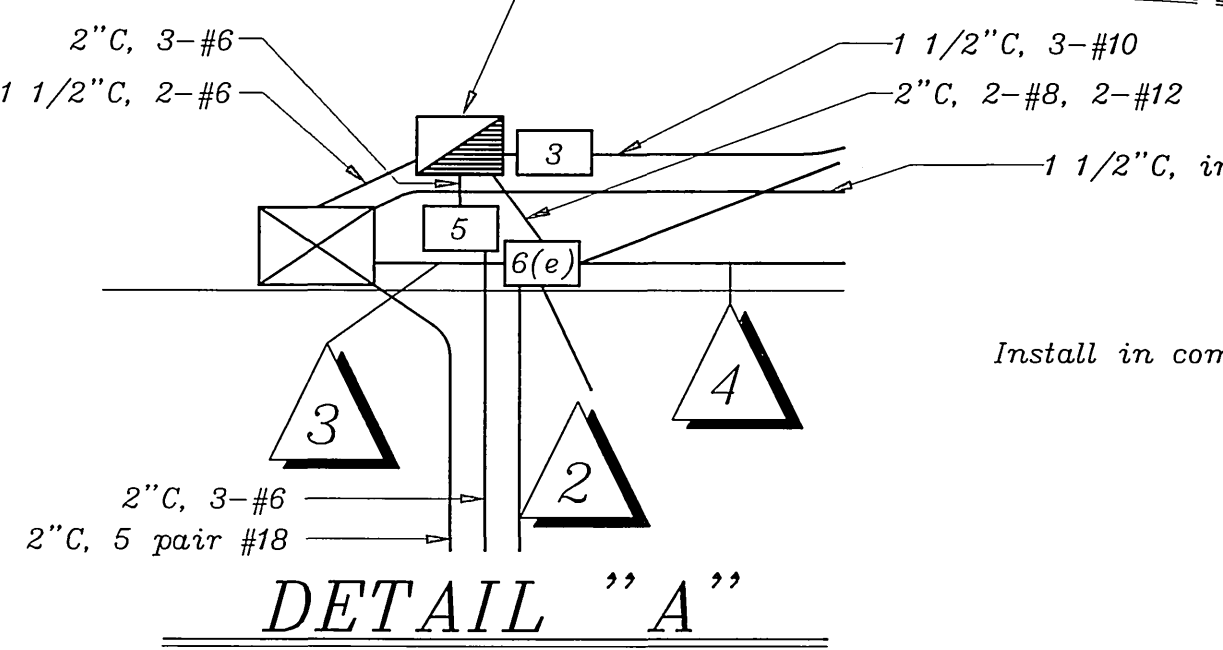
ACCT. NO. 0230-541500-440223-30271  
 X-241E  
 SHEET 1 OF 1  
 FILE NAME: X241E.DWG



**DETECTOR SCHEDULE**

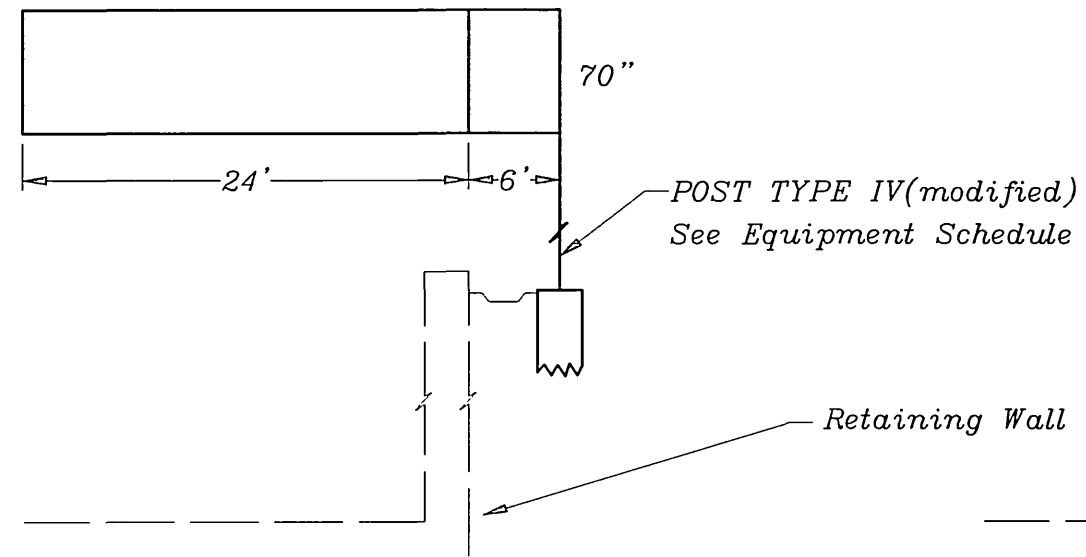
LOOP DESIGNATION	NUMBER OF LOOPS
212U	1
212L	1
213U	2
213L	4
4J6U	1
4J6L	1
4J7U	2
4J7L	4
6J2U	1
6J2L	1
6J3U	2
6J3L	4

Note: Freeway overhead sign and ramp lighting shall be metered.

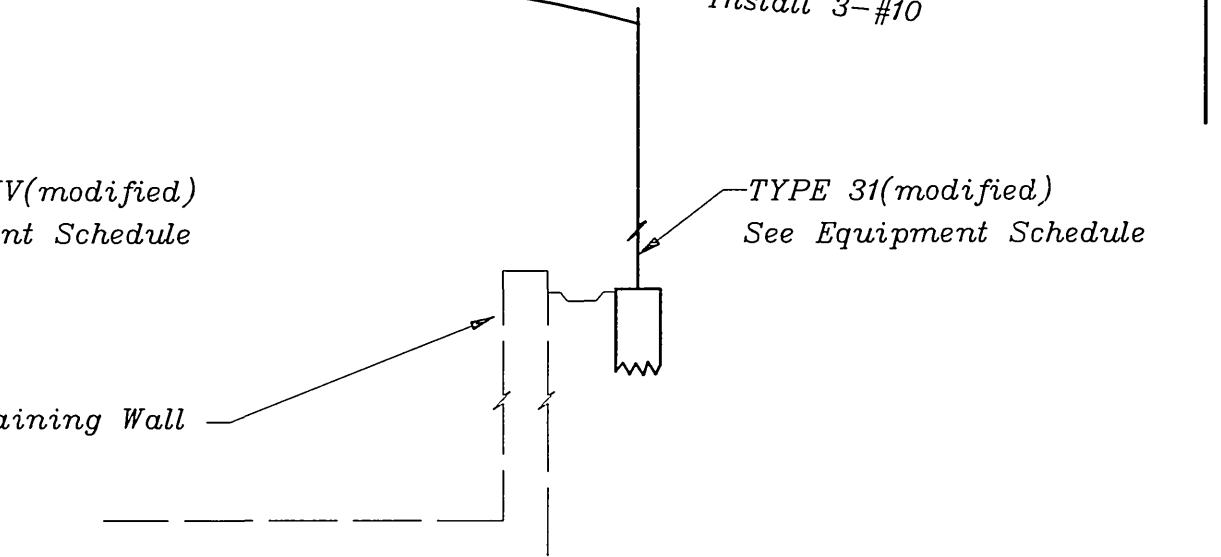


Detectors shall be 2-channel rack-mounted.

**SIGN DETAIL LOCATION "G"**



**LUM. DETAIL LOCATION "E" & "F"**



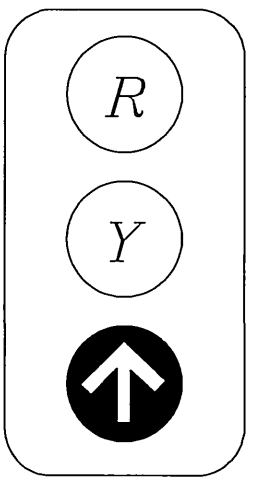
To Van Buren Blvd. (Approx. 200'), see Plan X-224A for location of cabinet and required work.

**EQUIPMENT SCHEDULE**

NO.	SIGNAL STANDARD	TYPE	H'CHT	M.A.	LUMINAIRE	L.A.	H.P.S.V.	I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE
									VEHICLE	PEDESTRIAN	AUDIBLE	
(A)	17-2-80	30'	20'	12'	200W			MAS	SV-1-T	SP-1-T		6
(B)	1A	10'						TV-1-T		SP-1-T		6
(C)	1A	10'						TV-1-T		SP-1-T		6
(D)	17-2-80	30'	20'	12'	200W			MAS	SV-2-TD			
(E)	23-4-80(R)	17'	35'(R)					INDIANA(N) AV 8600	MAS(R)	SV-2-TD(R)		
(F)	TYPE 31	18'		20'	200W(R)							
(G)	TYPE 31	22'		20'	200W(R)							
(H)	TYPE 4(R)	Note 3										

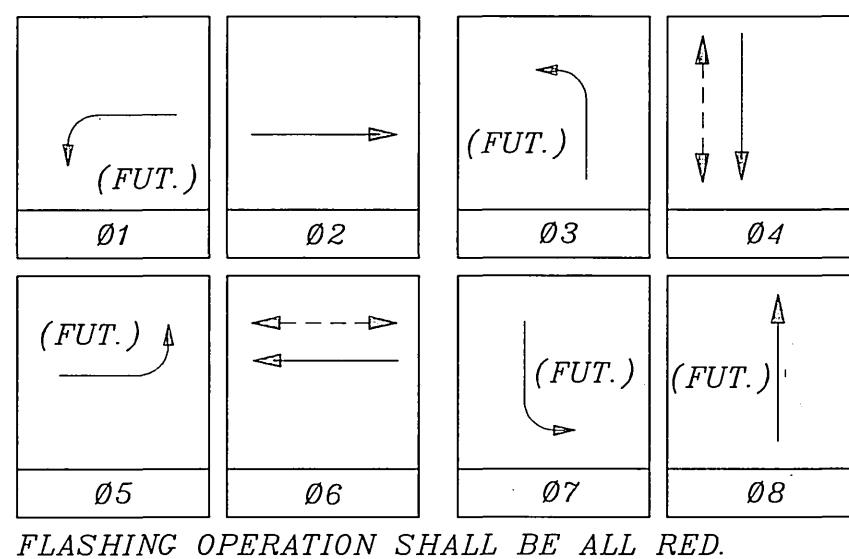
- NOTES:**
- ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
  - PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
  - SHAFT LENGTH TO BE DETERMINED IN FIELD; SEE SPECIAL PROVISIONS. ALSO SEE SPECIAL PROVISIONS REGARDING FOUNDATIONS.
  - POLES, ARMS AND ANCHOR BOLTS SHALL BE CITY FURNISHED FOR LOCATIONS: (A), (C), (E), AND (F)
  - (R) = RELOCATED ITEMS.

PP-25390J  
CITY OF RIVERSIDE  
PUBLIC UTILITIES  
120/240V FEED POINT



**DETAIL "B"**  
NO SCALE

**PHASE DIAGRAM**



FLASHING OPERATION SHALL BE ALL RED.

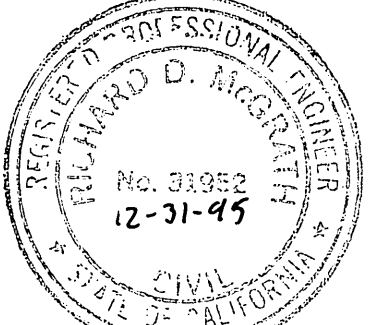
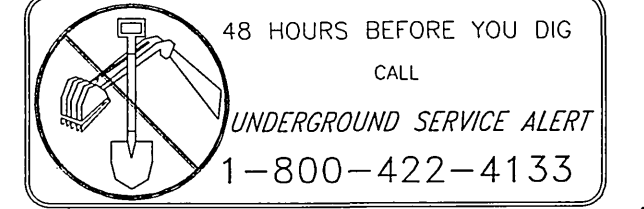
**CONDUCTOR TABLE**

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS				
		1	2	3	4	5
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	28 WIRE IMSA 12 WIRE IMSA	2	2	4	2	1
DETECTOR CABLE	#16/2					
PHASE 2			4	4		
PHASE 4				4		
PHASE 5 (FUT.)			1	1		
PHASE 6				4	4	
I.I.S.N.S.	#12		2			
LUMINAIRE SERVICE	#8		2	2		
SIGNAL SERVICE	#6					
INTERCONNECT	#19					
CONDUIT SIZE		3"	3.5"	2-3"	3"	2"

- NOTE:**
- See Contract Special Provisions for additional information on I.M.S.A. cable.
  - Whenever possible conduit shall be placed in common trench; cover shall be a minimum of 12".

**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'.
- See Plan R-3406 street improvements; Plan XL-364 for signs and pavement delineation.



ENCROACHMENT PERMIT: 08-95-N-MC-0456

**ENGINEER IN RESPONSIBLE CHARGE**  
Richard D. McGrath  
R.C.E. No. 31952 expires 12-31-95  
DATE: 9-8-95

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] DATE: 9/12/95  
PRINCIPAL ENGINEER  
P.W. INSPECTION  
TRAFFIC DIVISION  
CHIEF P.W. ENGR.  
PUBLIC UTILITIES

TRAFFIC SIGNAL  
**INDIANA AVENUE @ 91 FREEWAY EB OFF-RAMP**

ACCT. NO. 0230-541500-440223-30271  
X-241  
SHEET 1 OF 1  
FILE NAME: X241.DWG

SCALE: 1" = 20'

INDEXED 11-9-95 4H  
FILE W/R-3406