

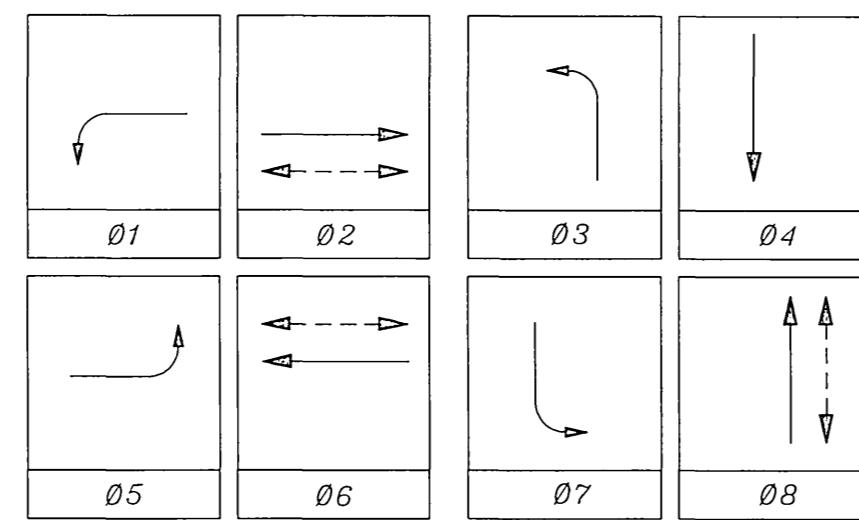
**DETECTOR SCHEDULE**

LOOP DESIGNATION	NUMBER OF LOOPS
11U	3
212U	3
212L	3
315U	3
416U	3
416L	3
51U	3
6J2U (N)	1
6J2L (N)	1
6J3U (N)	2
6J3L	3
6J4U	3
7J5U	3
8J6U	3
8J6L	3

DETECTORS SHALL BE 2-CHANNEL RACK-MOUNTED.

(N) = NEW

**PHASE DIAGRAM**

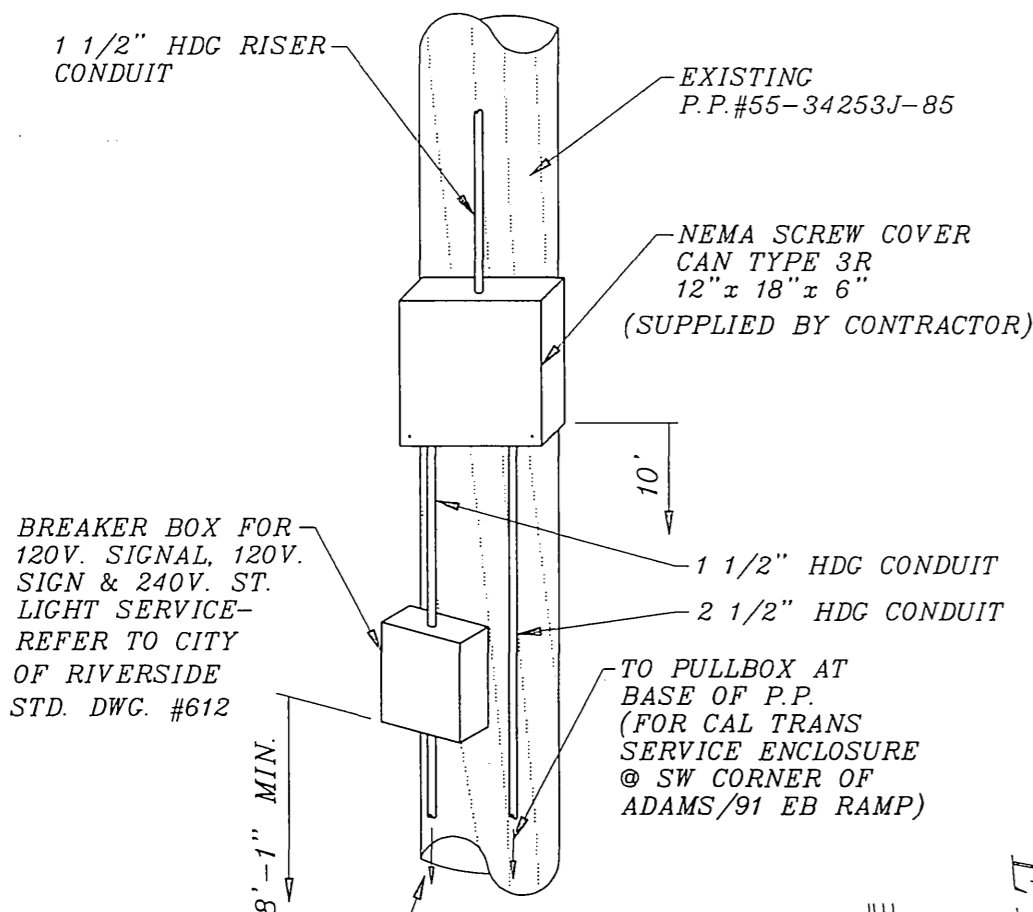


FLASHING OPERATION SHALL BE ALL RED.

PP #55-34253J-85

**RISER DETAIL**

INSTALL 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612. (SEE DETAIL "B") QUADRANT LOCATION FOR RISER TO BE PROVIDED BY CITY OF RIVERSIDE PUBLIC UTILITIES-ELECTRICAL ENGINEERING



**DETAIL-"B"**

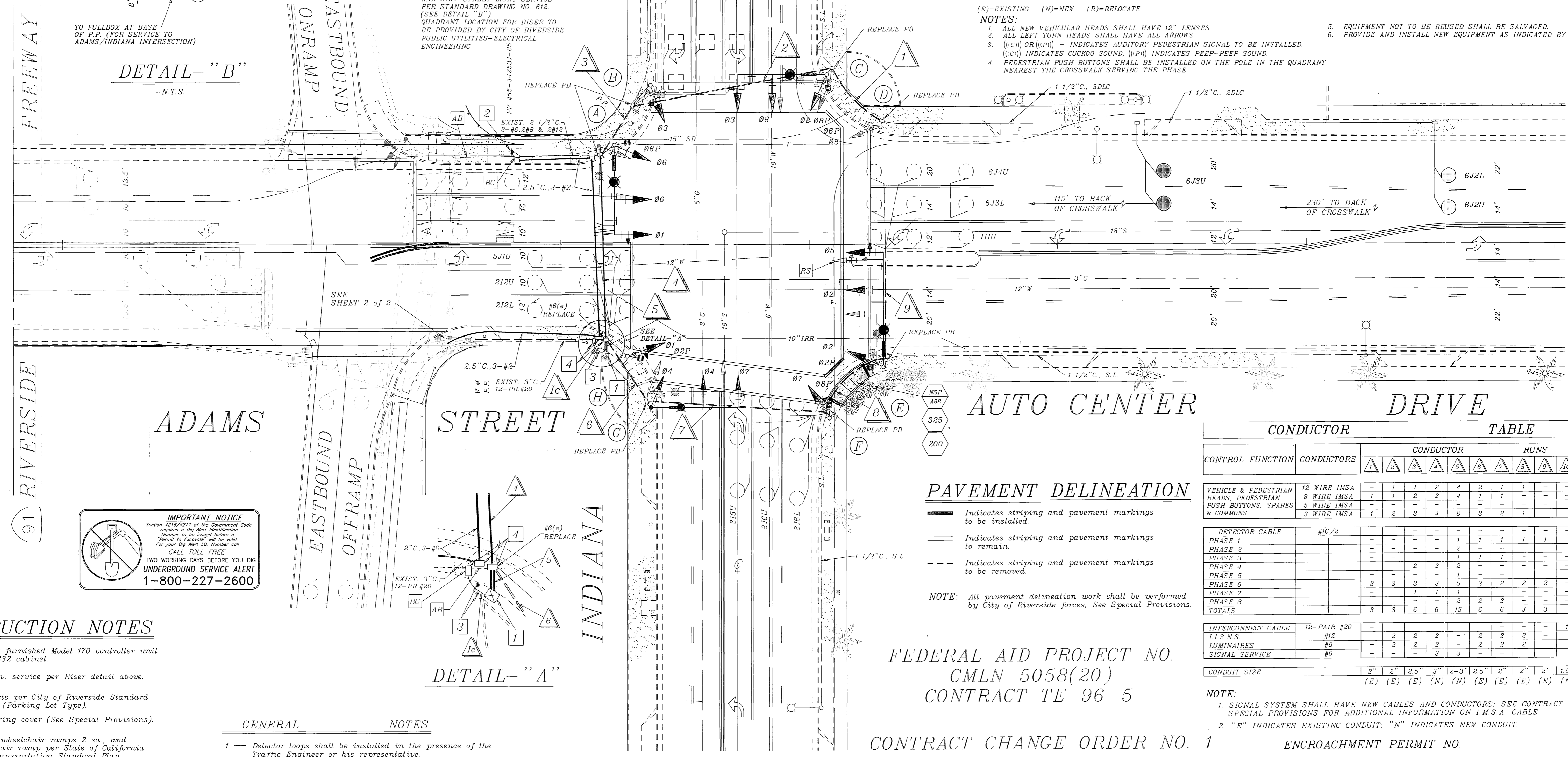
-N.T.S.-

SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB	REMARKS
NO.	TYPE	HEIGHT	M.A.	M.A.	H.P.S.V.	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE	
(A)	24-4-80(N)	30'	35'(N)	12'(N)	200W(R)	INDIANA	MAS(N)	MAS(R)		RELOCATE PED HEAD FROM LOC. B PROVIDE FRAMEWORK FOR SP-1-T
(B)	1A(N)	10'					TV-1-T(N)	SP-1-T(R)	6(N)	RS TYPE 1 POLE (7')
(C)	24-4-80(N)	30'	35'(N)	12'(N)	200W(R)	AUTO CENTER	MAS(N)	MAS(R)		
(D)	1A(N)	10'					TV-1-T(N)	SP-1-T(R)	6(N)	ROTATE PED HEAD FOR 08P
(E)	26-4-80(N)	30'	45'(N)	12'(N)	200W(R)	INDIANA	MAS(N)	MAS(R)		ROTATE PED HEAD FOR 02P
(F)	1A(N)	10'					TV-1-T(N)	SP-1-T(R)	2(N)	RS TYPE 1 POLE (7') PROVIDE FRAMEWORK FOR SP-1-T
(G)	24-4-80(N)	30'	35'(N)	12'(N)	200W(R)	ADAMS	MAS(N)	MAS(R)		
(H)	1A(N)	10'					TV-1-T(N)	SP-1-T(R)	2(N)	RELOCATE PED HEAD FROM LOC. C

(E)=EXISTING (N)=NEW (R)=RELOCATE

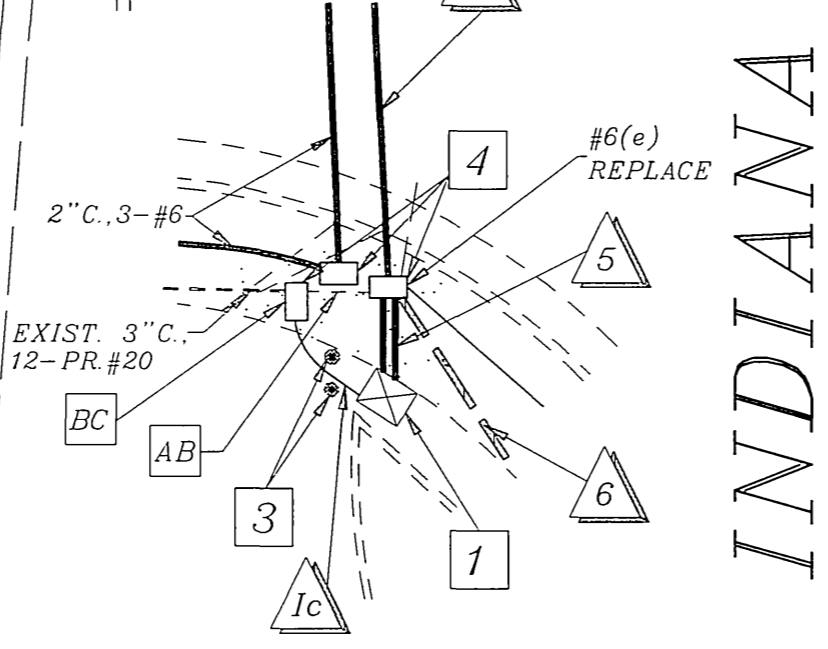
**NOTES:**

- ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- ((IC)) OR ((IP)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((IC)) INDICATES CUCKOO SOUND, ((IP)) INDICATES PEEP-PEEP SOUND.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
- EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED.
- PROVIDE AND INSTALL NEW EQUIPMENT AS INDICATED BY (N).



**IMPORTANT NOTICE**  
Section 4116/4217 of the Government Code requires a Dig Alert Identification Number to be placed 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

**DETAIL-"A"**



**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.

CONDUCTOR		TABLE																		
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS																		
		1	2	3	4	5	6	7	8	9	10									
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	-	1	1	2	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-
	9 WIRE IMSA	1	1	2	2	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
	5 WIRE IMSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3 WIRE IMSA	1	2	3	4	8	3	2	1	-	-	-	-	-	-	-	-	-	-	-
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 1		-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-
PHASE 2		-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 3		-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
PHASE 4		-	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 5		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 6		3	3	3	3	5	2	2	2	2	-	-	-	-	-	-	-	-	-	-
PHASE 7		-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 8		-	-	-	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-
TOTALS		3	3	6	6	15	6	6	3	3	-	-	-	-	-	-	-	-	-	-
INTERCONNECT CABLE	T2-PAIR #20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
I.I.S.N.S.	#12	-	2	2	2	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-
LUMINAIRES	#8	-	2	2	2	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-
SIGNAL SERVICE	#6	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONDUIT SIZE		2"	2"	2.5"	3"	2-3"	2.5"	2"	2"	2"	1.5"									
		(E)	(E)	(E)	(N)	(N)	(E)	(E)	(E)	(E)	(N)									

NOTE:  
1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS; SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.  
2. "E" INDICATES EXISTING CONDUIT; "N" INDICATES NEW CONDUIT.

**CONSTRUCTION NOTES**

- Install 1 ea. City furnished Model 170 controller unit housed in Type 332 cabinet.
  - Install 120v./240v. service per Riser detail above.
  - Install guard posts per City of Riverside Standard Drawing No. 652 (Parking Lot Type).
  - Provide load bearing cover (See Special Provisions).
- Remove existing wheelchair ramps 2 ea., and construct wheelchair ramp per State of California Department of Transportation Standard Plan NSP A88 - Case C.
- Construct P.C.C. concrete curb sidewalk per City of Riverside Standard Drawing No. 325.
- Construct P.C.C. concrete curb and gutter per City of Riverside Standard Drawing No. 200.

**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).
- An "A" or "C-10" license is required.

**ENGINEER IN RESPONSIBLE CHARGE**

RICHARD D. McGRATH  
R.C.E. No. 31952

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]  
DATE: 1/29/97

DESIGNED BY: R.C.C. DRAWN BY: R.C.C. CHECKED BY: [Signature]

**TRAFFIC SIGNAL MODIFICATION**

ADAMS STREET @ INDIANA AVE.

ACCT. NO. 0432-541600-440302-35052

X-420

SHEET 1 OF 2

FILE NAME: X420-1.DWG

SCALE: 1" = 20'

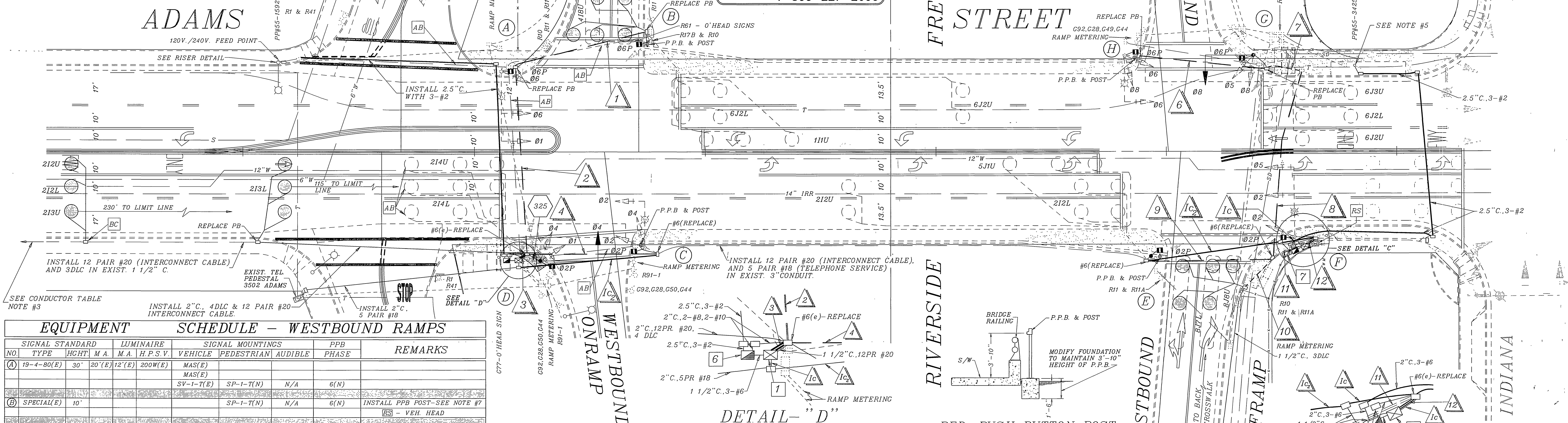
FEDERAL AID PROJECT NO. CMLN-5058(20)  
CONTRACT TE-96-5

CONTRACT CHANGE ORDER NO. 1

CONDUCTOR		TABLE													
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS													
		1	2	3	4	5	6	7	8	9	10	11	12		
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	-	-	1	3	1	-	-	1	2	2	-	-	2	3
DETECTOR CABLE	#16/2	1	1	1	-	-	-	-	-	-	-	-	-	-	-
PHASE 1		1	1	1	-	-	-	-	-	-	-	-	-	-	-
PHASE 2		-	-	-	6	-	-	-	-	2	-	-	-	2	2
PHASE 3		-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 4		2	5	5	-	-	-	-	-	-	-	-	-	-	-
PHASE 5		-	-	-	-	-	-	-	1	-	-	-	1	1	-
PHASE 6		2	2	2	-	-	-	-	3	1	-	-	3	3	-
PHASE 7		-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 8		-	-	-	-	-	-	-	-	-	-	-	5	5	5
TOTALS		5	8	14	-	-	-	-	3	3	5	11	11	11	-
INTERCONNECT CABLE	12-PAIR #20	-	-	-	-	1	1	-	-	-	-	-	-	-	-
O'HEAD SIGN	#10	2	2	-	-	-	-	-	2	2	2	-	-	-	-
LUMINAIRES	#8	-	2	-	2	-	-	-	2	2	2	-	-	-	-
SIGNAL SERVICE	#6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TELEPHONE SERVICE	5-PAIR #18	-	-	-	-	-	1	-	-	-	-	-	-	-	-

CONDUIT SIZE	2"	3"	2-3"	3"	1.5"	2"	2"	2"	3"	3"	2"	2-3"	2-3"
	(E)	(E)	(N)	(E)	(N)	(N)	(E)	(E)	(E)	(E)	(E)	(E)	(N)

**NOTE:**  
 1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS; SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.  
 2. "E" INDICATES EXISTING CONDUIT; "N" INDICATES NEW CONDUIT  
 3. INSTALL 12-PAIR #20 (INTERCONNECT CABLE) IN EXISTING CONDUIT, TO EXISTING PULLBOX AT SW CORNER OF ADAMS AV. AND BRAIRWOOD DR - APPROXIMATELY 480 LF



EQUIPMENT		SCHEDULE - WESTBOUND RAMPS					REMARKS	
NO.	TYPE	HGHT	M.A.	H.P.S.V.	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE
(A)	19-4-80(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)		6(N)
(B)	SPECIAL(E)	10'				SP-1-T(N)	N/A	6(N)
(C)	TYPE 17(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)		2(N)
(D)	18-1-80(N)	17'	25'(N)			SV-2-T(R)	SP-1-T(N)	2(N)

EQUIPMENT		SCHEDULE - EASTBOUND RAMPS					REMARKS	
NO.	TYPE	HGHT	M.A.	H.P.S.V.	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE
(E)	TYPE 1A(N)	7'				TP-1-T(N)	N/A	2(N)
(F)	19-4-80(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)		2(N)
(G)	16-2-80(N)	17'	20'(N)			SV-2-T(R)	SP-1-T(N)	6(N)
(H)	TYPE 17(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)		6(N)

(E)=EXISTING (N)=NEW (R)=RELOCATE  
**NOTES:**  
 1. ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES  
 2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS  
 3. PROVIDE AND INSTALL NEW EQUIPMENT AS INDICATED BY (N)  
 4. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE, UNLESS NOTED OTHERWISE  
 5. FOUNDATIONS NOT TO BE REUSED SHALL BE COMPLETELY REMOVED  
 6. EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED  
 7. AT LOCATION (A), (C), (E), (G), (H), INSTALL PPB POST AS NEAR AS POSSIBLE TO EXISTING BRIDGE RAILING. (SEE PEDESTRIAN PUSH BUTTON POST MOUNTING DETAIL)

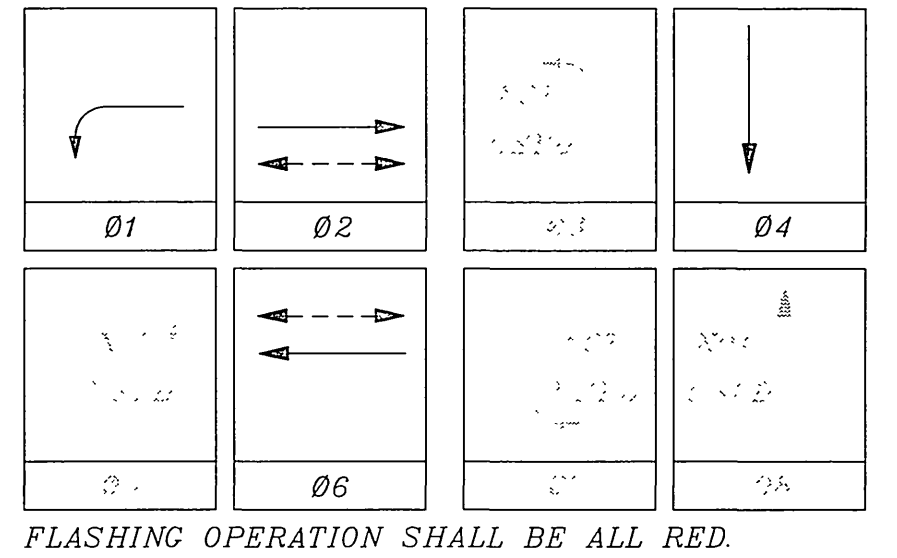
**DETECTOR SCHEDULE WESTBOUND RAMP**

LOOP DESIGNATION	NUMBER OF LOOPS
11U	3
212U (N)	1
212L (N)	1
213U (N)	1
213L (N)	3
214U	2
214L	4
416U (N)	1
416L (N)	1
417U (N)	2
417L (N)	4
418U (N)	1
6J2U	2
6J2L	4

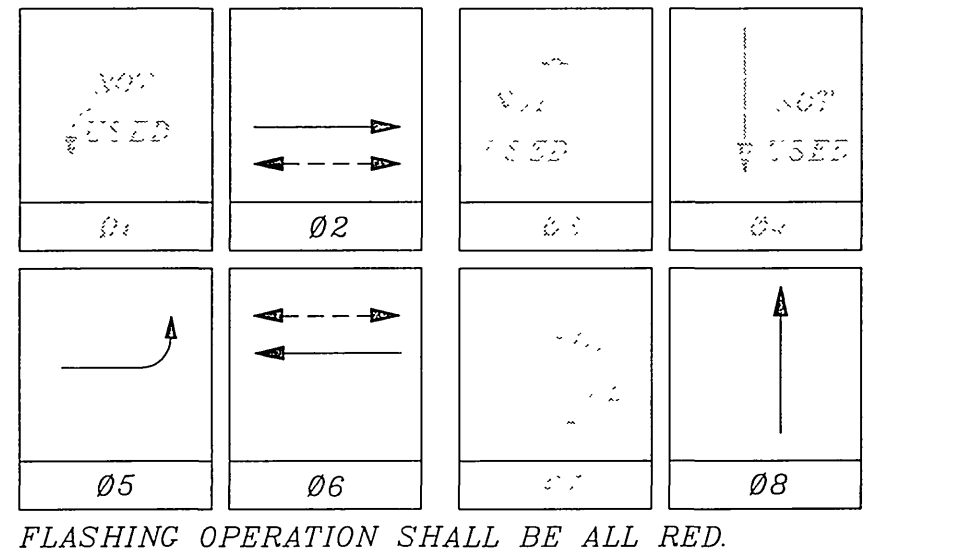
**DETECTOR SCHEDULE EASTBOUND RAMP**

LOOP DESIGNATION	NUMBER OF LOOPS
212U	2
212L	4
5J1U	3
6J2U	3
6J2L	3
6J3U	3
8J6U (N)	1
8J6L (N)	1
8J7U (N)	2
8J7L (N)	4
8J8U (N)	1

**PHASE DIAGRAM-WB RAMP**



**PHASE DIAGRAM-EB RAMP**



Detectors shall be 2-channel rack-mounted.  
(N) = NEW

Detectors shall be 2-channel rack-mounted.  
(N) = NEW

**IMPORTANT NOTICE**  
 Section 417/417.1 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 12, Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

**CONSTRUCTION NOTES**

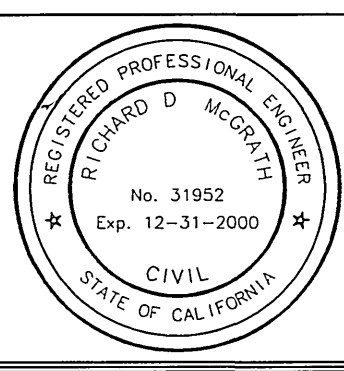
- Install 1 ea. City furnished Model 170 controller unit housed in Type 332 cabinet.
- Install 2 ea. City furnished Model 170 controller units housed in Type 332 cabinet (See Special Provisions).
- Install 120v./240v. service housed in Type III-BF Service Equipment Enclosure (Caltrans Plan ES-2E). Contractor shall furnish shields for the PEU'S openings on the Service Cabinet.
- Remove 16' - of existing 4' high chain link fence for installation of service enclosure, controller cabinet, and telephone demarcation cabinet.
- Provide and install telephone demarcation cabinet per State of California, Department of Transportation Standard Plans ES-4E and ES-4F.
- Construct P.C.C. concrete curb sidewalk per City of Riverside Standard Drawing No. 325.

**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).
- Irrigation exists on NW, SW & SE corners of westbound ramps, and NW corner of eastbound ramps; see Special Provisions regarding Contractor's responsibilities.
- See sheet 1 of 2 for Riser Detail.

**CONTRACT CHANGE ORDER NO. 1**

ENGINEER IN RESPONSIBLE CHARGE  
 Richard D. McGrath  
 RICHARD D. McGRATH  
 R.C.E. No. 31952  
 DATE 1/29/97



CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: [Signature]  
 TRAFFIC DIVISION  
 DATE 1/29/97

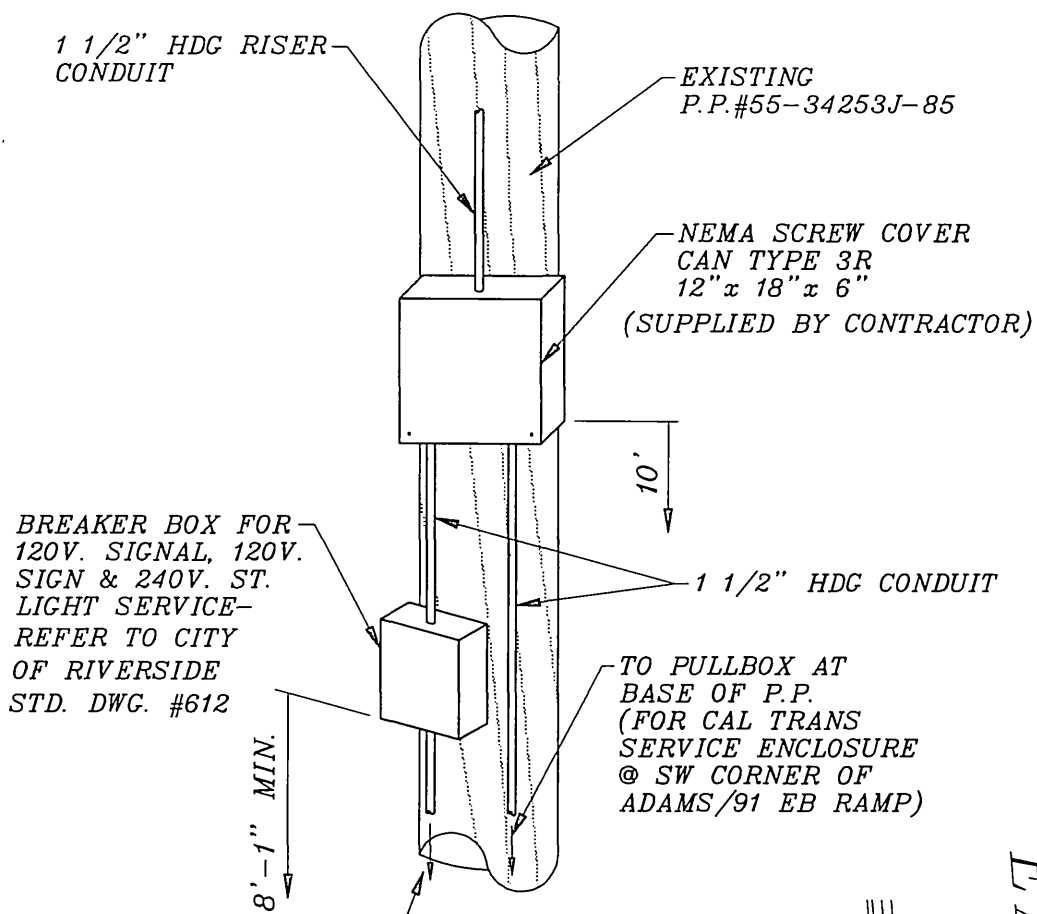
TRAFFIC SIGNAL MODIFICATION  
**ADAMS STREET @ ROUTE 91 EB & WB RAMPS**  
 SCALE: 1" = 20'

ACCT. NO. 0432-541600-440302-35052  
**X-420**  
 SHEET 2 OF 2  
 FILE NAME: X420-2.DWG

**DETECTOR SCHEDULE**

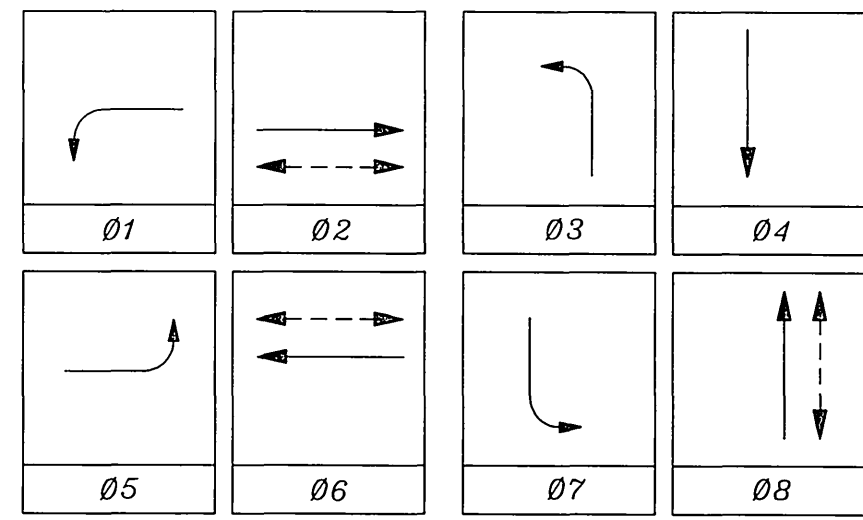
LOOP DESIGNATION	NUMBER OF LOOPS
11U	3
212U	3
212L	3
315U	3
416U	3
416L	3
51U	3
6J2U (N)	1
6J2L (N)	1
6J3U (N)	2
6J3L	3
6J4U	3
7J5U	3
8J6U	3
8J6L	3

DETECTORS SHALL BE 2-CHANNEL RACK-MOUNTED.  
(N) = NEW



DETAIL - "B"  
-N.T.S.-

**PHASE DIAGRAM**



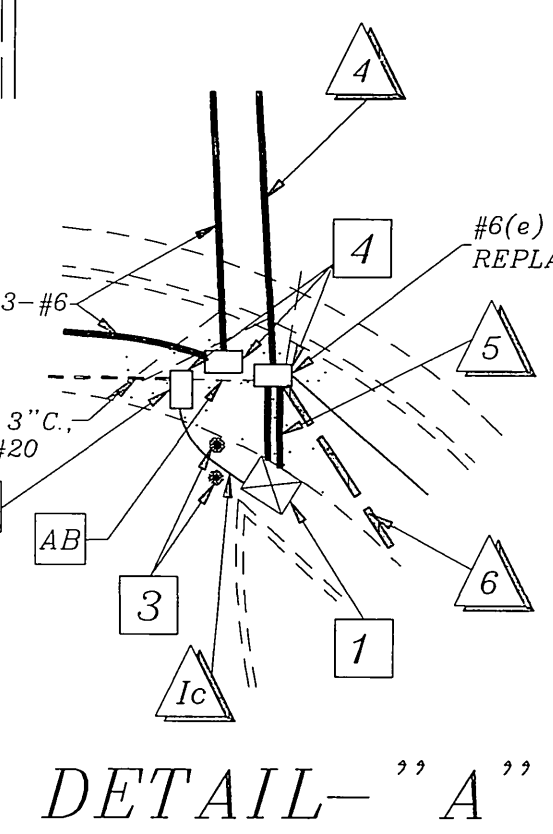
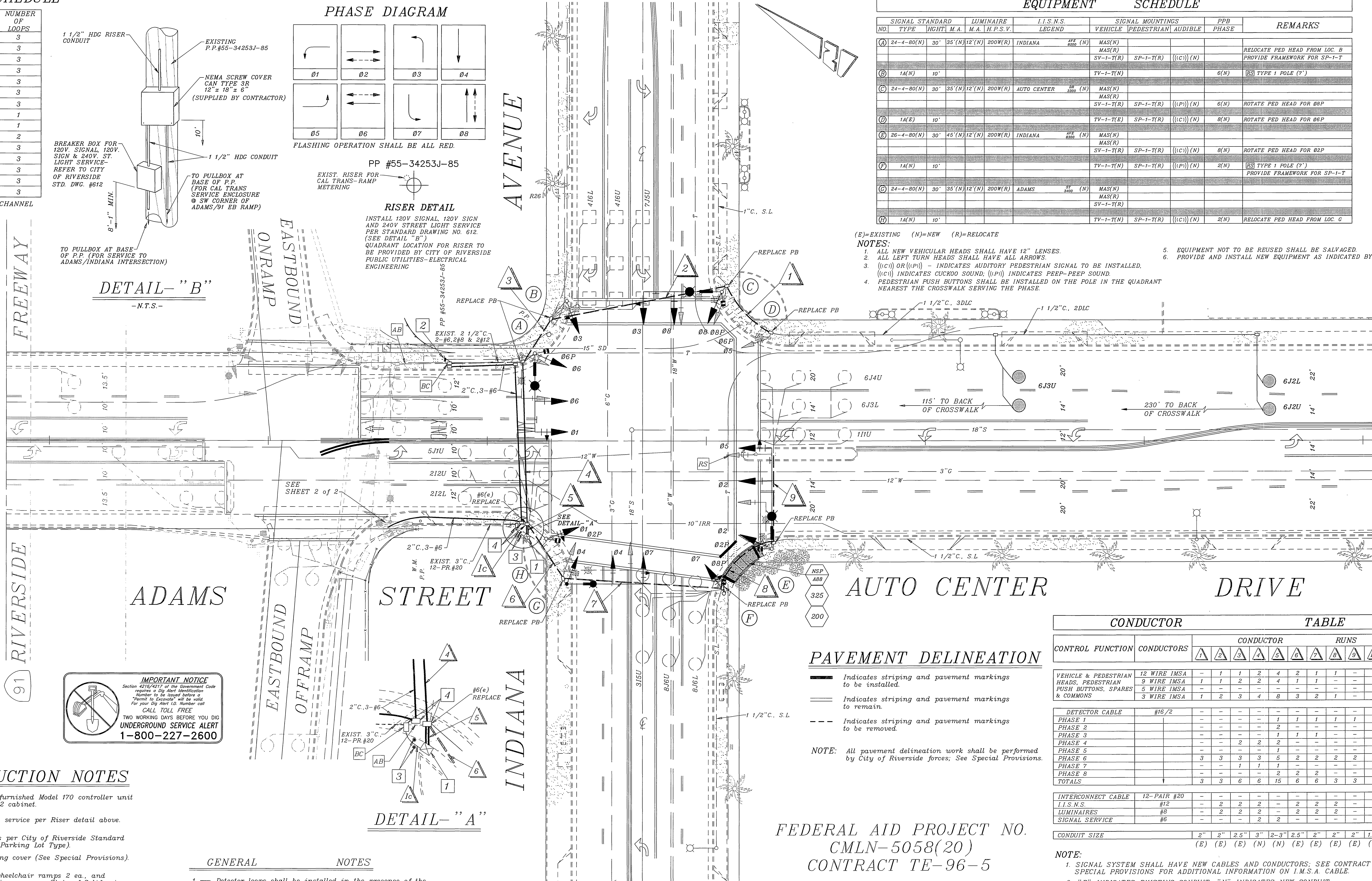
FLASHING OPERATION SHALL BE ALL RED.

**RISER DETAIL**

PP #55-34253J-85  
EXIST. RISER FOR CAL TRANS-RAMP METERING  
INSTALL 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612. (SEE DETAIL "B")  
QUADRANT LOCATION FOR RISER TO BE PROVIDED BY CITY OF RIVERSIDE PUBLIC UTILITIES-ELECTRICAL ENGINEERING

SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS		PPB PHASE		REMARKS
NO.	TYPE	HEIGHT	M.A.	M.A.	H.P.S.V.	VEHICLE	PEDESTRIAN	AUDIBLE		
(A)	24-4-80(N)	30'	35'(N)	12'(N)	200W(R)	INDIANA AVE #800 (N)	MAS(N)			RELOCATE PED HEAD FROM LOC. B PROVIDE FRAMEWORK FOR SP-1-T
(B)	1A(N)	10'					TV-1-T(N)		6(N)	RS TYPE 1 POLE (7')
(C)	24-4-80(N)	30'	35'(N)	12'(N)	200W(R)	AUTO CENTER 28' #300 (N)	MAS(N)			
(D)	1A(E)	10'					TV-1-T(E)		8(N)	ROTATE PED HEAD FOR 08P
(E)	26-4-80(N)	30'	45'(N)	12'(N)	200W(R)	INDIANA AVE #800 (N)	MAS(N)			
(F)	1A(N)	10'					TV-1-T(N)		2(N)	RS TYPE 1 POLE (7') PROVIDE FRAMEWORK FOR SP-1-T
(G)	24-4-80(N)	30'	35'(N)	12'(N)	200W(R)	ADAMS 31' #300 (N)	MAS(N)			
(H)	1A(N)	10'					TV-1-T(N)		2(N)	RELOCATE PED HEAD FROM LOC. G

(E)=EXISTING (N)=NEW (R)=RELOCATE  
**NOTES:**  
1. ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.  
2. ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.  
3. ((c)) OR ((lp)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED.  
((c)) INDICATES CUCKOO SOUND; ((lp)) INDICATES PEEP-PEEP SOUND  
4. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.  
5. EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED.  
6. PROVIDE AND INSTALL NEW EQUIPMENT AS INDICATED BY (N).



DETAIL - "A"  
-N.T.S.-

**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.

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS									
		1	2	3	4	5	6	7	8	9	10
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	-	1	1	2	4	2	1	1	-	-
DETECTOR CABLE	#16/2	-	-	-	-	1	1	1	1	-	-
PHASE 1		-	-	-	-	2	-	-	-	-	-
PHASE 2		-	-	-	-	1	1	1	-	-	-
PHASE 3		-	-	-	-	1	1	1	-	-	-
PHASE 4		-	-	-	2	2	2	-	-	-	-
PHASE 5		-	-	-	-	1	-	-	-	-	-
PHASE 6		3	3	3	3	5	2	2	2	2	-
PHASE 7		-	-	-	-	1	1	1	-	-	-
PHASE 8		-	-	-	-	2	2	2	-	-	-
TOTALS		3	3	6	6	15	6	6	3	3	-
INTERCONNECT CABLE	12-PAIR #20	-	-	-	-	-	-	-	-	-	1
I.I.S.N.S.	#12	-	2	2	2	-	2	2	2	-	-
LUMINAIRES	#8	-	2	2	2	-	2	2	2	-	-
SIGNAL SERVICE	#8	-	-	-	2	2	-	-	-	-	-
CONDUIT SIZE		2"	2"	2.5"	3"	2-3"	2.5"	2"	2"	2"	1.5"
		(E)	(E)	(E)	(N)	(N)	(E)	(E)	(E)	(E)	(N)

**NOTE:**  
1. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS; SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.  
2. "E" INDICATES EXISTING CONDUIT; "N" INDICATES NEW CONDUIT.

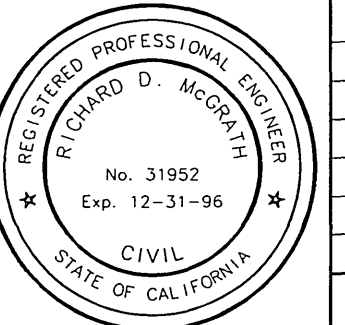
**CONSTRUCTION NOTES**

- 1 - Install 1 ea. City furnished Model 170 controller unit housed in Type 332 cabinet.
  - 2 - Install 120v./240v. service per Riser detail above.
  - 3 - Install guard posts per City of Riverside Standard Drawing No. 652 (Parking Lot Type).
  - 4 - Provide load bearing cover (See Special Provisions).
- Remove existing wheelchair ramps 2 ea., and construct wheelchair ramp per State of California Department of Transportation Standard Plan NSP A88 - Case C.
- 325 - Construct P.C.C. concrete curb sidewalk per City of Riverside Standard Drawing No. 325.
  - 200 - Construct P.C.C. concrete curb and gutter per City of Riverside Standard Drawing No. 200.

**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 - An "A" or "C-10" license is required.

**ENGINEER IN RESPONSIBLE CHARGE**  
Richard D. McGrath  
RICHARD D. McGRATH  
R.C.E. No. 31952  
DATE 5-30-96



CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY: [Signature]  
PRINCIPAL ENGINEER: [Signature]  
P.W. INSPECTION: [Signature]  
TRAFFIC DIVISION: [Signature]  
CHIEF P.W. ENGR.: [Signature]  
PUBLIC UTILITIES: [Signature]  
DATE 5/30/96

TRAFFIC SIGNAL MODIFICATION  
**ADAMS STREET @ INDIANA AVE.**  
ACCT. NO. 0432-541600-440302-35052  
**X-420**  
SHEET 1 OF 2  
FILE NAME: X420-1.DWG  
SCALE: 1" = 20'

CONDUCTOR		TABLE												
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR						RUNS						
		1	2	3	4	5	6	1	2	3	4	5	6	
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	-	1	3	1	-	-	1	2	2	-	-	2	3
	9 WIRE IMSA	-	-	-	-	-	-	-	-	-	-	-	-	-
	5 WIRE IMSA	1	1	1	-	-	-	-	-	-	-	-	1	1
	3 WIRE IMSA	1	2	4	1	-	-	1	2	2	1	-	3	4
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 1		1	1	1	-	-	-	-	-	-	-	-	-	-
PHASE 2		-	-	6	-	-	-	-	2	-	-	2	2	-
PHASE 3		-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 4		2	5	5	-	-	-	-	-	-	-	-	-	-
PHASE 5		-	-	-	-	-	-	-	1	-	-	1	1	-
PHASE 6		2	2	2	-	-	-	-	3	-	-	3	3	-
PHASE 7		-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 8		-	-	-	-	-	-	-	-	-	-	5	5	-
TOTALS		5	8	14	-	-	-	3	3	5	11	11	11	-
INTERCONNECT CABLE	12-PAIR #20	-	-	-	-	1	1	-	-	-	-	-	-	-
O'HEAD SIGN	#10	2	2	-	-	-	-	-	-	-	-	-	-	-
LUMINAIRES	#8	-	2	-	2	-	-	2	2	2	-	-	2	-
SIGNAL SERVICE	#6	-	-	-	-	-	-	-	-	-	-	-	-	-
TELEPHONE SERVICE	5-PAIR #18	-	-	-	-	1	-	-	-	-	-	-	-	-
CONDUIT SIZE		2"	3"	2-3"	3"	1.5"	2"	2"	3"	3"	2"	2-3"	12-3"	
		(E)	(E)	(N)	(E)	(N)	(N)	(E)	(E)	(E)	(E)	(E)	(N)	

**NOTE:**

- SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS; SEE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.
- "E" INDICATES EXISTING CONDUIT; "N" INDICATES NEW CONDUIT.
- INSTALL 12-PAIR #20 (INTERCONNECT CABLE) IN EXISTING CONDUIT, TO EXISTING PULLBOX AT SW CORNER OF ADAMS AV. AND BRAIRWOOD DR. - APPROXIMATELY 480 L.F.

**DETECTOR SCHEDULE WESTBOUND RAMP**

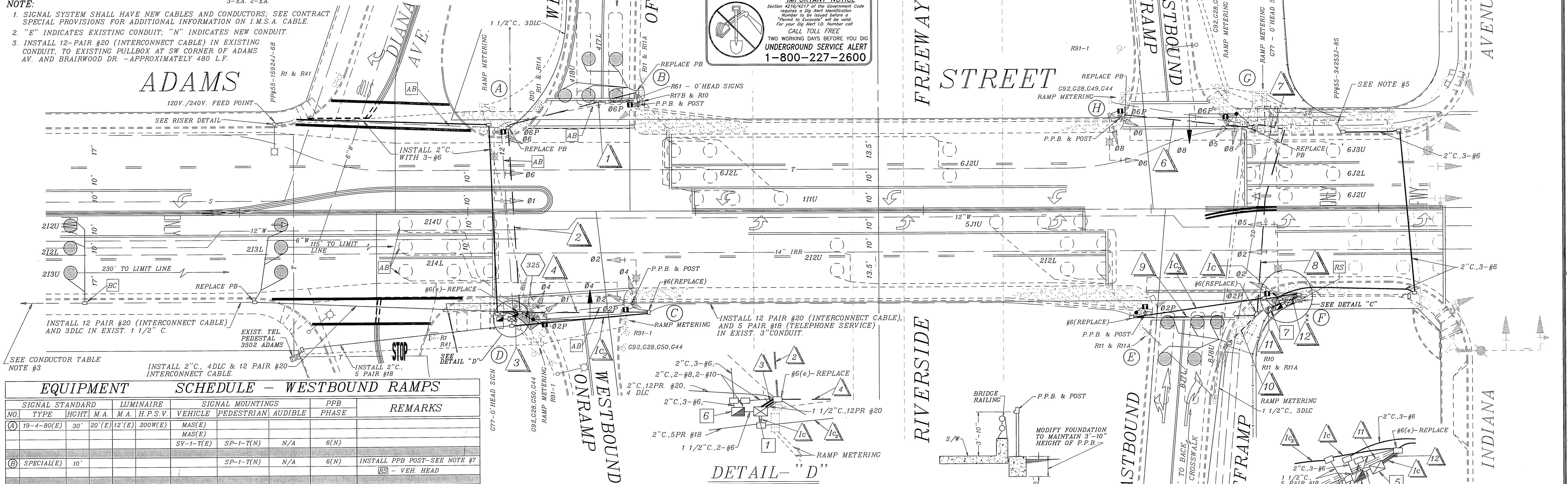
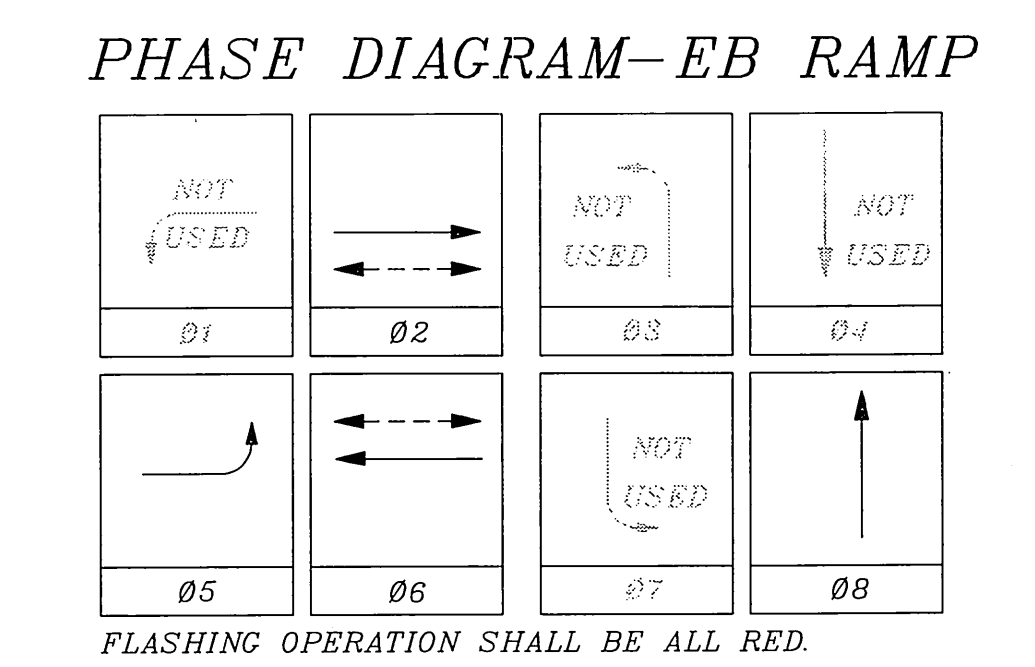
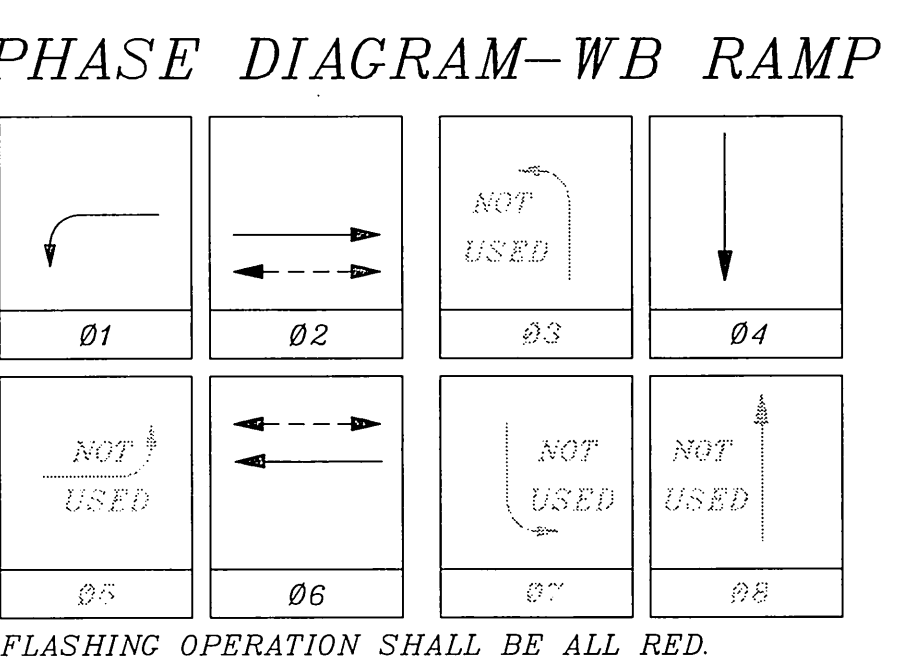
LOOP DESIGNATION	NUMBER OF LOOPS
11U	3
212U (N)	1
212L (N)	1
213U (N)	1
213L (N)	3
214U	2
214L	4
416U (N)	1
416L (N)	1
417U (N)	2
417L (N)	4
418U (N)	1
6J2U	2
6J2L	4

Detectors shall be 2-channel rack-mounted. (N) = NEW

**DETECTOR SCHEDULE EASTBOUND RAMP**

LOOP DESIGNATION	NUMBER OF LOOPS
212U	2
212L	4
5J1U	3
6J2U	3
6J2L	3
6J3U	3
8J6U (N)	1
8J6L (N)	1
8J7U (N)	2
8J7L (N)	4
8J8U (N)	1

Detectors shall be 2-channel rack-mounted. (N) = NEW



**EQUIPMENT SCHEDULE - WESTBOUND RAMPS**

SIGNAL STANDARD NO.	LUMINAIRE TYPE	HGHT	M.A.	H.P.S.V.	SIGNAL MOUNTINGS VEHICLE	PEDESTRIAN	AUDIBLE	PPB PHASE	REMARKS
(A)	19-4-80(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)			
(B)	SPECIAL(E)	10'				SP-1-T(N)	N/A	6(N)	INSTALL PPB POST-SEE NOTE #7
(C)	TYPE 17(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)			
(D)	18-1-80(N)	17'	25'(N)			MAS(N)			TYPE 1 POLE, 1-VEH. HEAD

**EQUIPMENT SCHEDULE - EASTBOUND RAMPS**

SIGNAL STANDARD NO.	LUMINAIRE TYPE	HGHT	M.A.	H.P.S.V.	SIGNAL MOUNTINGS VEHICLE	PEDESTRIAN	AUDIBLE	PPB PHASE	REMARKS
(E)	TYPE 1A(N)	7'				TP-1-T(N)	N/A	2(N)	INSTALL PPB POST-SEE NOTE #7
(F)	19-4-80(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)			
(G)	16-2-80(N)	17'	20'(N)			MAS(N)			TYPE 1 POLE & 1-VEH. HEAD
(H)	TYPE 17(E)	30'	20'(E)	12'(E)	200W(E)	MAS(E)			INSTALL PPB POST-SEE NOTE #7

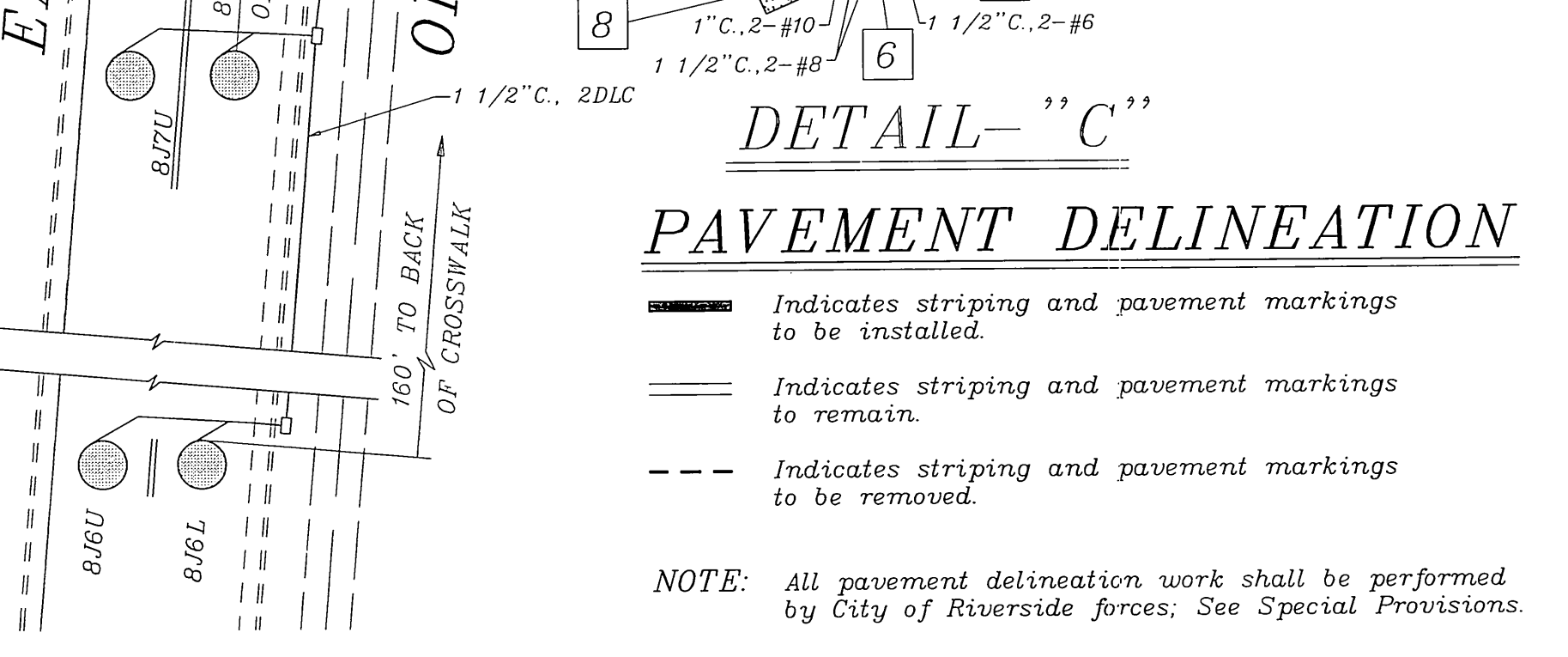
(E)=EXISTING (N)=NEW (R)=RELOCATE

**NOTES:**

- ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- PROVIDE AND INSTALL NEW EQUIPMENT AS INDICATED BY (N).
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE, UNLESS NOTED OTHERWISE.
- FOUNDATIONS NOT TO BE REUSED SHALL BE COMPLETELY REMOVED.
- EQUIPMENT NOT TO BE REUSED SHALL BE SALVAGED.
- AT LOCATION (B), (C), (E), (H), INSTALL PPB POST AS NEAR AS POSSIBLE TO EXISTING BRIDGE RAILING. (SEE PEDESTRIAN PUSH BUTTON POST MOUNTING DETAIL)

- CONSTRUCTION NOTES**
- Install 1 ea. City furnished Model 170 controller unit housed in Type 332 cabinet.
  - Install 2 ea. City furnished Model 170 controller units housed in Type 332 cabinet (See Special Provisions).
  - Install 120v/240v service housed in Type III-BF Service Equipment Enclosure (Caltrans Plan ES-2E). Contractor shall furnish shields for the PEU'S openings on the Service Cabinet.
  - Remove 16'- of existing 4' high chain link fence for installation of service enclosure, controller cabinet, and telephone demarcation cabinet.
  - Provide and install telephone demarcation cabinet per State of California, Department of Transportation Standard Plans ES-4E and ES-4F.
  - Construct P.C.C. concrete curb sidewalk per City of Riverside Standard Drawing No. 325.

- 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).
  - Irrigation exists on NW, SW & SE corners of westbound ramps, and NW corner of eastbound ramps; see Special Provisions regarding Contractor's responsibilities.
  - See sheet 1 of 2 for Riser Detail.



ENGINEER IN RESPONSIBLE CHARGE

*Richard D. McGrath*

RICHARD D. McGRATH  
R.C.E. No. 31952  
DATE 5-30-96

REGISTERED PROFESSIONAL ENGINEER

RICHARD D. McGRATH  
No. 31952  
Exp. 12-31-96  
CIVIL  
STATE OF CALIFORNIA

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *[Signature]* DATE: 5/30/96

PRINCIPAL ENGINEER: *[Signature]*  
P.W. INSPECTION: *[Signature]*  
TRAFFIC DIVISION CHIEF P.W. ENGR: *[Signature]*  
PUBLIC UTILITIES: *[Signature]*

TRAFFIC SIGNAL MODIFICATION

ADAMS STREET @  
ROUTE 91  
EB & WB RAMPS

ACCT. NO. 0432-541600-440302-35052

X-420

SHEET 2 OF 2

FILE NAME: X420-2.DWG

SCALE: 1" = 20'

FREEWAY

RIVERSIDE

91

EASTBOUND ONRAMP

EASTBOUND OFFRAMP

INDIANA AVENUE


ADAMS STREET

STREET

115' to limit line  
See Sht. 2 of 3

aband.

aband.

**ENGINEER IN RESPONSIBLE CHARGE**  
  
 RICHARD D. McGRATH  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 9/13/96

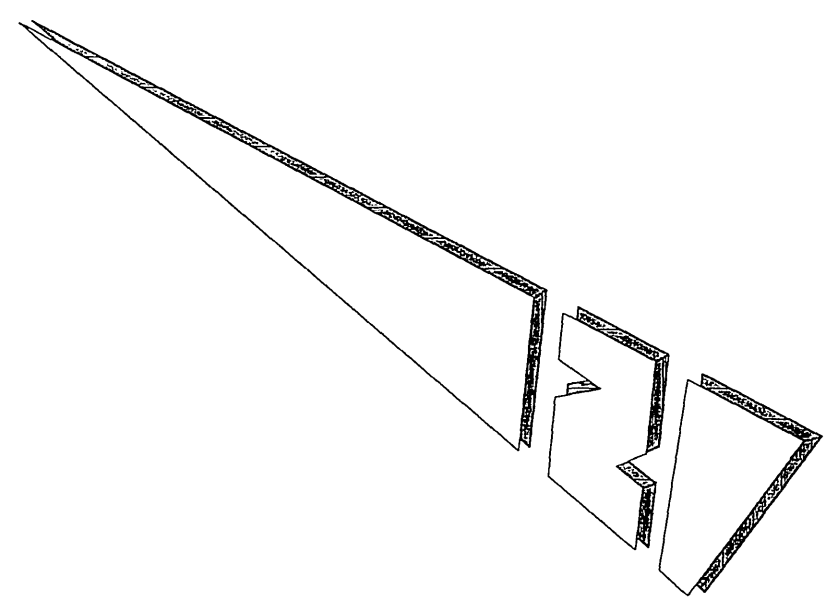
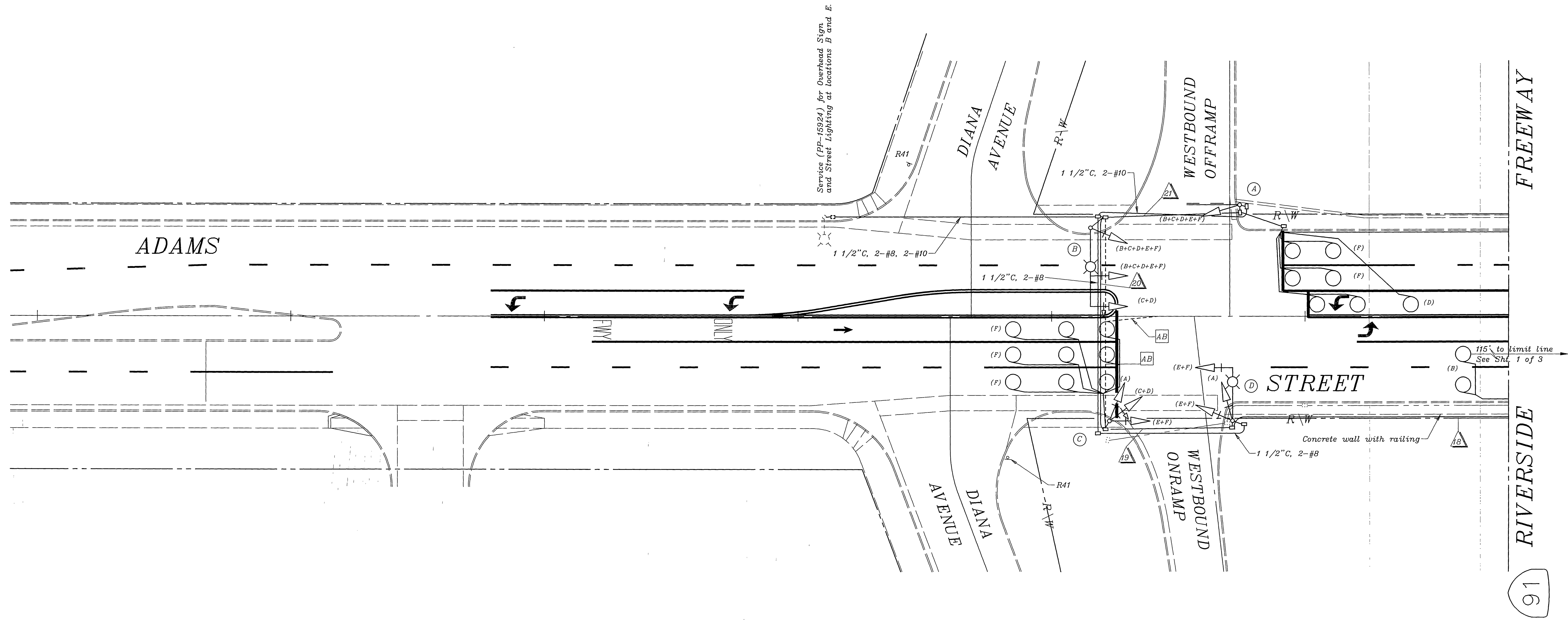
DESIGNED BY \_\_\_\_\_ DRAWN BY MAC CHECKED BY \_\_\_\_\_  
 AS-BUILT PER 95-96 REHAB. MAC 9/96  
 REVISIONS APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY \_\_\_\_\_ BY DATE \_\_\_\_\_  
 PRINCIPAL ENGINEER  
 P.W. INSPECTION  
 TRAFFIC DIVISION  
 CHIEF P.W. ENGR.  
 PUBLIC UTILITIES

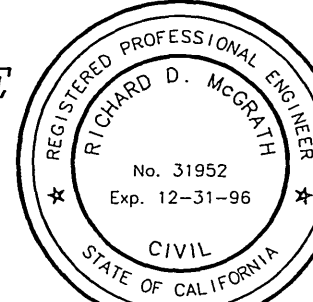
TRAFFIC SIGNAL  
 ADAMS STREET @  
 91 FREEWAY  
 INDIANA AVENUE  
 SCALE: 1" = 20'

ACCT. NO. X-420  
 SHEET 1 OF 3  
 FILE NAME: X420-1A.DWG

AS-BUILT



AS-BUILT

**ENGINEER IN RESPONSIBLE CHARGE**  
  
 RICHARD D. McGRATH  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 9/13/96

MARK	REVISIONS	APPR.	DATE
DESIGNED BY		DRAWN BY <b>MAC</b> CHECKED BY	

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			
CHIEF P.W. ENGR.			
PUBLIC UTILITIES			

TRAFFIC SIGNAL  
**ADAMS STREET @ 91 FWY**  
**INDIANA AVENUE**  
 SCALE: 1" = 20'

ACCT. NO.	X-420
SHEET	2 OF 3
FILE NAME:	X420-2A.DWG

CONDUCTOR

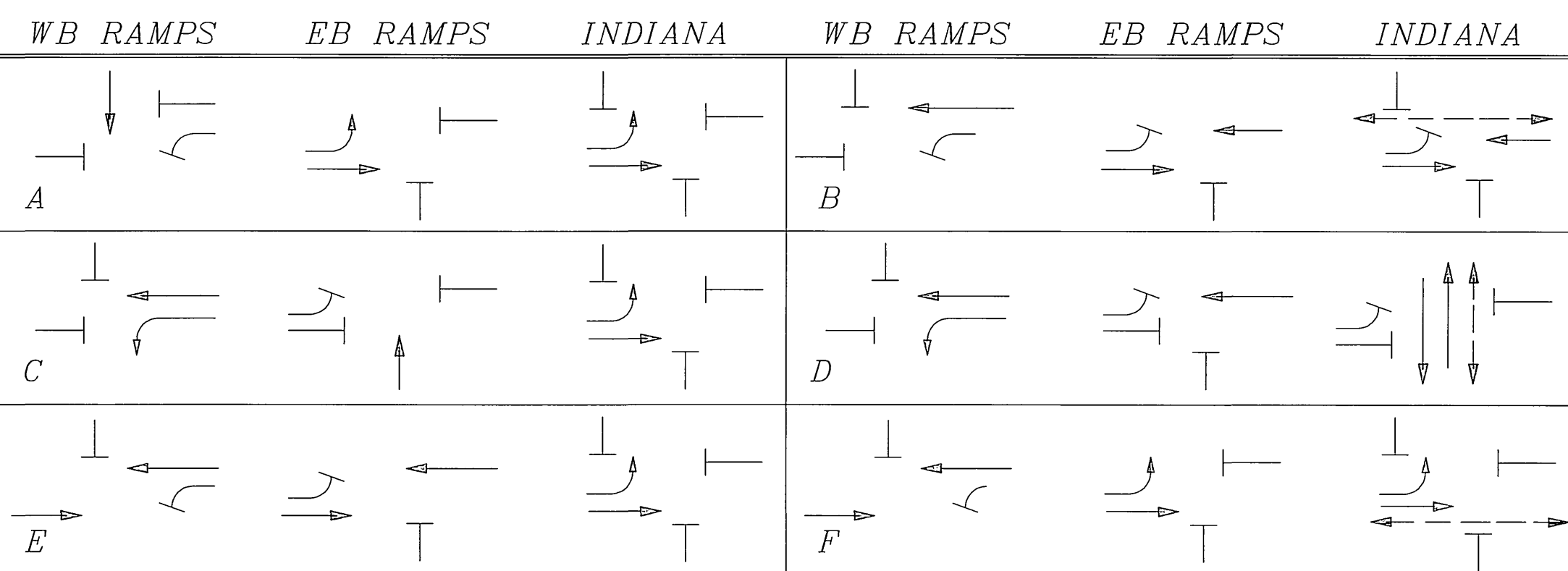
SCHEDULE

CONTROL FUNCTION	CONDUCTORS		CONDUIT RUNS																				
	SIZE	INSULATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
VEHICLE HEADS		T.W.																					
A	#10																	3	3	3	3	3	
A+B+C+E+F	#14				3	3	3	3	3									3	3	3			
A+B+E+F																		3	3	3			
A+C+E+F					3	3	3	3	3	3								3	3	3	3		
A+F																			3	3			
B																			3	3			
B+C+D+E+F	#10																	3	3	3	3	3	3
B+D+E	#14																		3	3	3		
C+D	#10																		3	3	3	3	3
C	#14																			3	3	3	
D																				3	3	3	
E+F	#10																			3	3	3	
SPARES																				1	1	1	1
SPARES	#14		1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PED. HEADS																							
Bw																				2	2		
Dw					2	2	2	2	2	2										2	2	2	
Fw					2	2	2	2															
PED. PUSH BUTTON																							
Bw																				2	2		
Dw			1	2	2	2	2	2	1	1										1	1	1	
Fw					1	2	2	2															
DETECTORS	#12/2	U.S.E. or U.S.																					
A																				2	2	2	1
B			1	1	1	1	1	2												1	1	1	1
B+E																							
C																				1	1		
D					3	3	3	3	3	3										1	1	1	1
F																				2	2	2	1
12 V. COMMON	#12	T.W.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
120V COMMON	#8	T.W.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
LUMINAIRES	#8	T.W.			2	2	2													2	2	2	
SIGNAL SERVICE	#2	T.W.																		2	2		
TOTAL	#14	T.W.	7	13	16	20	20	28	28	9	12	19	28	16	15	9	3	3	3				
	#12	T.W.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	#10	T.W.	1	1	1	1	1	1	1	2	1	1	1	1	1	1	15	15	15	12	6	6	
	#8	T.W.	1	3	3	3	1	1	1	3	3	3	3	1	1	1	1	1	1	1	1	1	
	#2	T.W.																		2	2		
	#12/2	U.S.E. or U.S.	1	1	4	4	5	6	4	4							7	7	6	4	3	3	3
CONDUIT SIZE			2"	2"	2"	2.5"	3"	2-3"	3"	3"	2"	2"	2.5"	2.5"	2"	2"	3"	3"	3"	3"	2.5"	3"	2"

EQUIPMENT

SCHEDULE

No.	TYPE	STANDARD			LUM. HPSV	I.I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL VEHICLE	MOUNTING PED	PPB PHASE	REMARKS
		HGT.	SIG. M.A.	LUM. M.A.							
(A)	SPECIAL						1W3C	TV-1-T			
(B)	19-4-80	30'	30'	12'	200W		1W3C	MAS			
							1W3C	MAS			
							1W3C	SV-1-T			
(C)	TYPE I	10'					3W3C	TV-3-T			
(D)	TYPE XVII	30'	20'	12'	200W		1W3C	MAS			
							2W3C	SV-2-T			
(E)	TYPE I	10'					1W3C	TV-1-T			
(F)	TYPE 17	30'	20'	12'	200W		1W3C	MAS			
							2W3C	SV-2-T			
(G)	TYPE I	10'					3W3C	TV-3-T			
(H)	19-4-80	30'	30'	12'	200W		1W3C	MAS			
							1W3C	MAS			
							1W3C	SV-1-T			
(I)	TYPE XIX	30'	30'	12'	200W		1W3C	MAS			
							1W3C	SV-1-T	SP-1-T	F	
(J)	TYPE XVII	30'	20'	12'	200W		1W3C	MAS			
							1W3C	SV-1-T			
(K)	TYPE I	7'						TP-1-T		B	
(L)	TYPE XVII	30'	20'	12'	200W		1W3C	MAS			
							1W3C	SV-1-T	SP-1-T	B	
(M)	TYPE I	10'					1W3C	TV-1-T	SP-1-T	D	
(N)	TYPE I	7'					1W3C	TV-1-T			
(O)	TYPE XVII	30'	20'	12'	200W		1W3C	MAS			
							1W3C	SV-1-T	SP-1-T	D	
(P)	TYPE I	7'						SP-1-T		F	

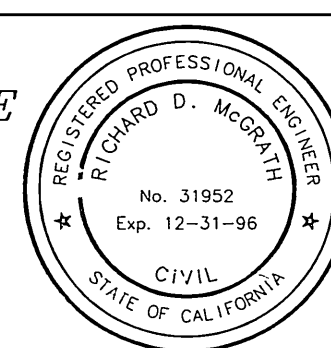


FLASHING INDICATION: ALL RED

ADAMS STREET

AS-BUILT

ENGINEER IN RESPONSIBLE CHARGE  
 RICHARD D. McGRATH  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 9/13/96



CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: MARY  
 PRINCIPAL ENGINEER  
 P.W. INSPECTION  
 TRAFFIC DIVISION  
 CHIEF P.W. ENGR.  
 PUBLIC UTILITIES

AS-BUILT FOR 95-96 REHAB. MAC 9/96  
 REVISIONS: APPR. DATE: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_ DRAWN BY: MAC CHECKED BY: \_\_\_\_\_

TRAFFIC SIGNAL  
 ADAMS STREET @ 91 FREEWAY  
 INDIANA AVENUE  
 SCALE: 1" = 20'  
 ACCT. NO. X-420  
 SHEET 3 OF 3  
 FILE NAME: X420-3A.DWG

FREEWAY

RIVERSIDE

91

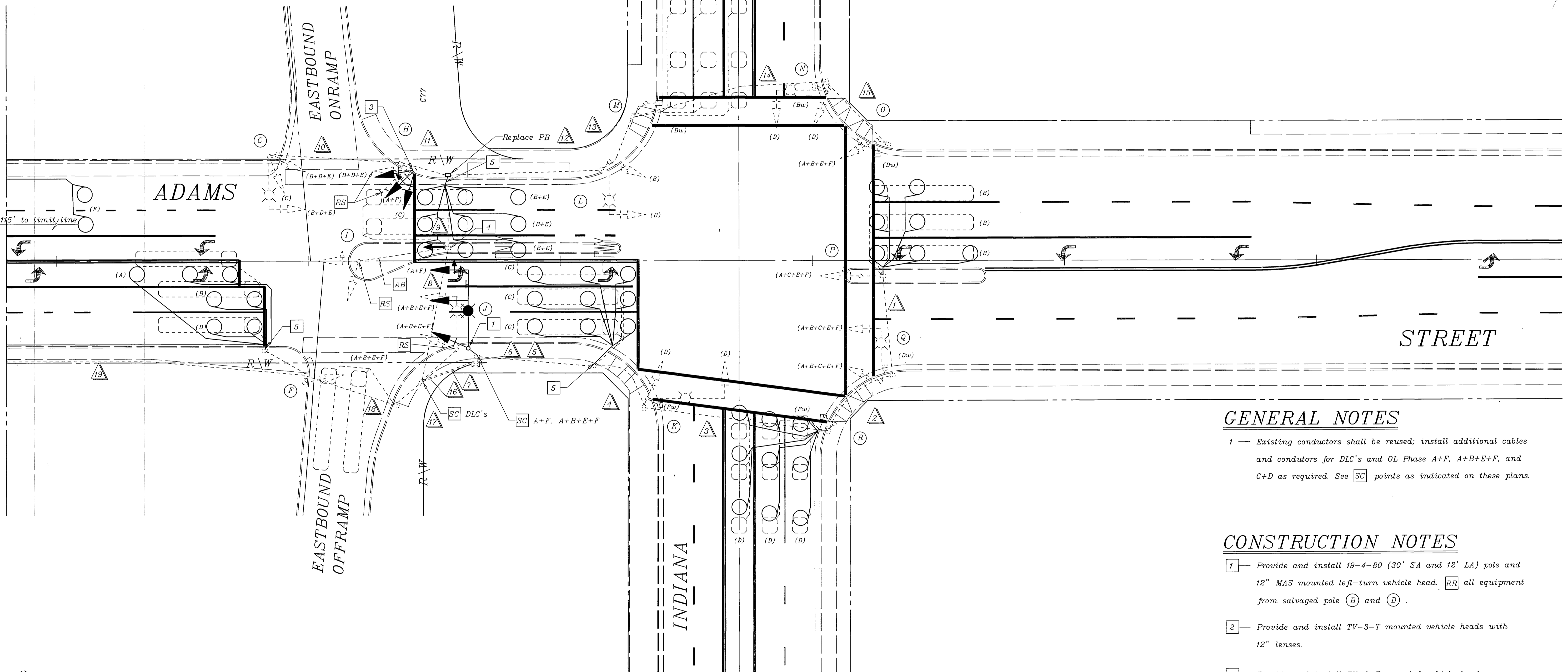
EASTBOUND ONRAMP

EASTBOUND OFFRAMP

INDIANA AVENUE

ADAMS STREET

STREET



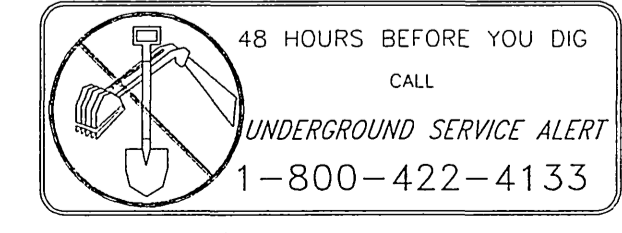
**GENERAL NOTES**

- 1 — Existing conductors shall be reused; install additional cables and conductors for DLC's and OL Phase A+F, A+B+E+F, and C+D as required. See SC points as indicated on these plans.

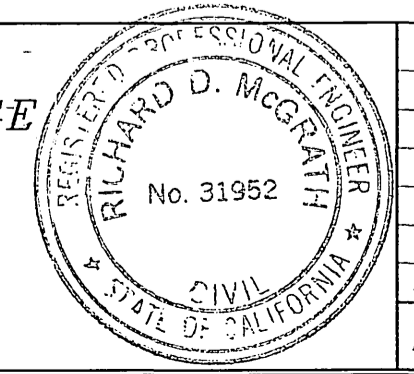
**CONSTRUCTION NOTES**

- 1 — Provide and install 19-4-80 (30' SA and 12' LA) pole and 12" MAS mounted left-turn vehicle head. RR all equipment from salvaged pole (B) and (D).
- 2 — Provide and install TV-3-T mounted vehicle heads with 12" lenses.
- 3 — Provide and install TV-3-T mounted vehicle heads. Contractor shall modify framework as required to avoid C77 overhead sign.
- 4 — Remove pullbox and connect conduits.
- 5 — Provide and install stub-out for detector loop lead-ins.

Contract Change Order No. 1



**ENGINEER IN RESPONSIBLE CHARGE**  
 Richard D. McGrath  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 11-2-95



MARK	REVISIONS	APPR.	DATE

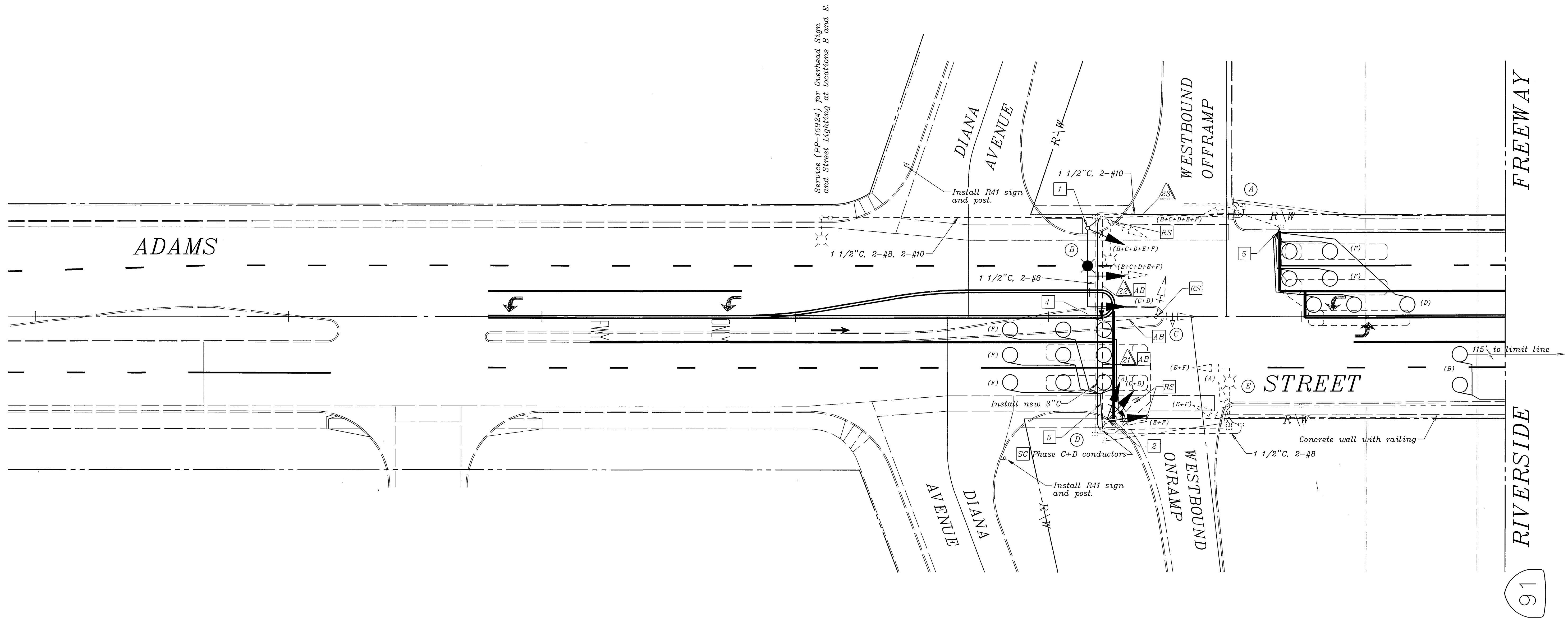
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	Richard D. McGrath	11/3/95
P.W. INSPECTION	Ex. 11/3/95	
TRAFFIC DIVISION	SC	11/3/95
CHIEF P.W. ENGR.		
PUBLIC UTILITIES		

TRAFFIC SIGNAL MODIFICATION  
**ADAMS STREET @  
 91 FREEWAY  
 INDIANA AVENUE**

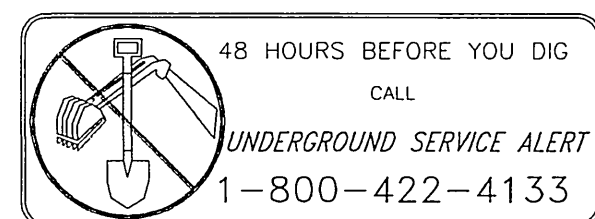
ACCT. NO. 0432-541500-440302-30036  
**X-420**  
 SHEET 1 OF 3  
 FILE NAME: X420-1.DWG

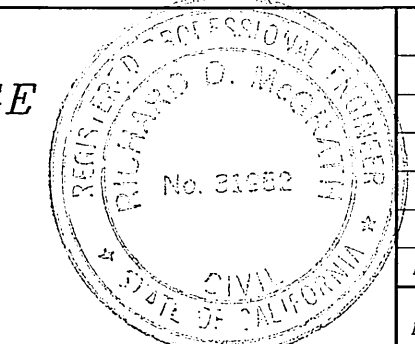
SCALE: 1" = 20'





Contract Change Order No. 1



**ENGINEER IN RESPONSIBLE CHARGE**  
  
 RICHARD D. McGRATH  
 R.C.E. No. 31952 expires 12-31-96  
 DATE 11-2-95

MARK	REVISIONS	APPR.	DATE

DESIGNED BY *JW* DRAWN BY *MAC* CHECKED BY *JW*

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	<i>[Signature]</i>	11/1/95
P.W. INSPECTION	<i>[Signature]</i>	11/2/95
TRAFFIC DIVISION	<i>[Signature]</i>	11/1/95
CHIEF P.W. ENGR.		
PUBLIC UTILITIES		

TRAFFIC SIGNAL MODIFICATION		ACCT. NO.
ADAMS STREET @ 91 FWY INDIANA AVENUE		0432-541500-440302-30036
X-420		
SHEET 2 OF 3		
FILE NAME: X420-2.DWG		

SCALE: 1" = 20'

91

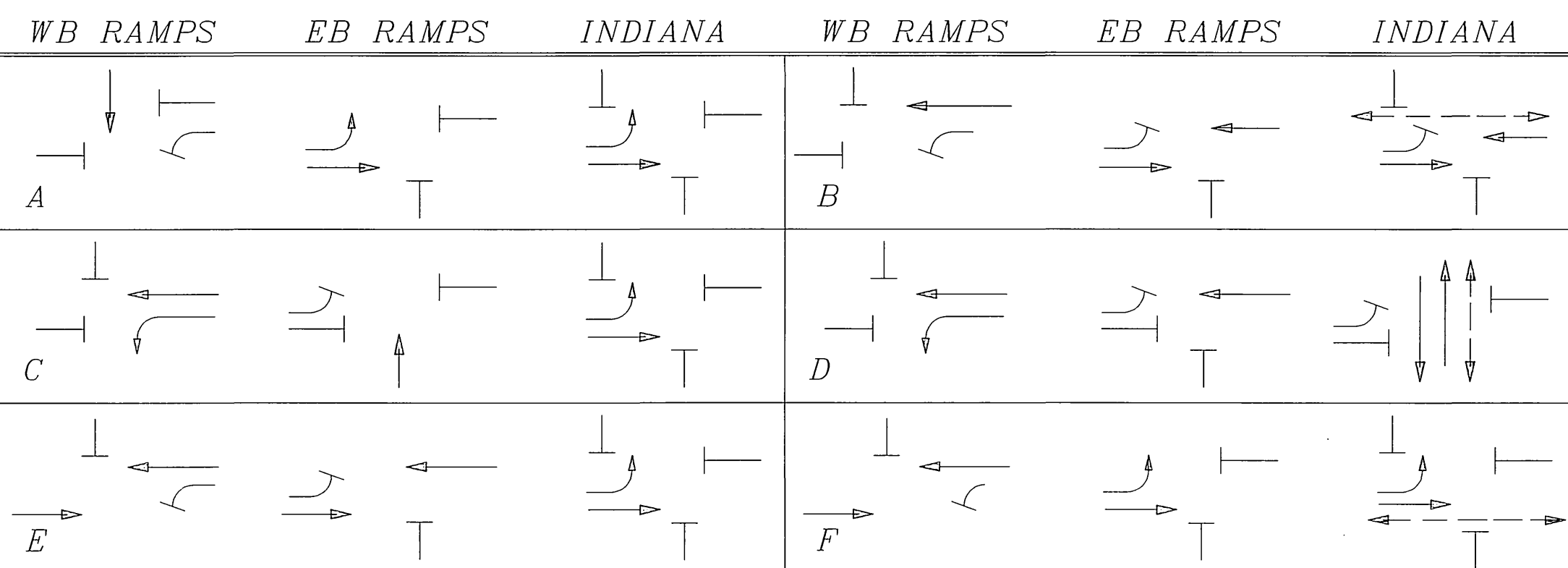
CONDUCTOR

SCHEDULE

CONTROL FUNCTION	CONDUCTORS		CONDUIT RUNS																						
	SIZE	INSULATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
VEHICLE HEADS		T.W.																							
A	#10																								
A+B+C+E+F	#14																								
A+B+E+F																									
A+C+E+F																									
A+F																									
B																									
B+C+D+E+F	#10																								
B+D+E	#14																								
C+D	#10																								
C	#14																								
D																									
E+F	#10																								
SPARES																									
SPARES	#14																								
PED. HEADS																									
Bw																									
Dw																									
Fw																									
PED. PUSH BUTTON																									
Bw																									
Dw																									
Fw																									
DETECTORS	#12/2 U.S.E. or U.S.																								
A																									
B																									
B+E																									
C																									
D																									
F																									
12 V. COMMON	#12	T.W.																							
120V COMMON	#8	T.W.																							
LUMINAIRES	#8	T.W.																							
SIGNAL SERVICE	#2	T.W.																							
TOTAL	#14	T.W.																							
	#12	T.W.																							
	#10	T.W.																							
	#8	T.W.																							
	#2	T.W.																							
	#12/2 U.S.E. or U.S.																								
CONDUIT SIZE																									

NOTE: CONDUCTOR SCHEDULE INDICATES EXISTING CABLES AND CONDUCTORS. SEE GENERAL

NOTE NO. 1, SHEET 1 OF 3, FOR ADDITIONS.



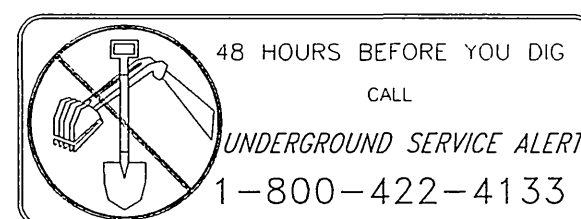
FLASHING INDICATION: ALL RED

EQUIPMENT

SCHEDULE

No.	STANDARD		LUM. HPSV	I.I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING VEHICLE	PPB PHASE	REMARKS
	TYPE	HCT.						
(A)	SPECIAL				1W3C	TV-1-T		
(B)	19-4-80	30'	30'	12'	200W	1W3C MAS		SEE CONSTRUCTION NOTE 1, SHEET 1 F=16'
(C)	TYPE I	7'				TV-1-T		REMOVE AND SALVAGE
(D)	TYPE I	10'				3W3C TV-3-T		SEE CONSTRUCTION NOTE 2, SHEET 1 LEFT TURN SIGNAL SHALL HAVE ALL ARROWS.
(E)	TYPE XVII	30'	20'	12'	200W	1W3C MAS		
(F)	TYPE I	10'				1W3C TV-1-T		
(G)	TYPE 17	30'	20'	12'	200W	1W3C MAS		
(H)	TYPE I	10'				3W3C TV-3-T		SEE CONSTRUCTION NOTE 3, SHEET 1 LEFT TURN SIGNAL SHALL HAVE ALL ARROWS.
(I)	TYPE I	7'				2W3C TV-2-T		REMOVE AND SALVAGE
(J)	19-4-80	30'	30'	12'	200W	1W3C MAS		SEE CONSTRUCTION NOTE 1, SHEET 1 F=16'
(K)	TYPE XIX	30'	30'	12'	200W	1W3C MAS		
(L)	TYPE XVII	30'	20'	12'	200W	1W3C MAS		
(M)	TYPE I	7'				TP-1-T	B	
(N)	TYPE XVII	30'	20'	12'	200W	1W3C MAS		
(O)	TYPE I	10'				1W3C TV-1-T	SP-1-T	D
(P)	TYPE I	7'				1W3C TV-1-T		
(Q)	TYPE XVII	30'	20'	12'	200W	1W3C MAS		
(R)	TYPE I	7'					SP-1-T	F

Contract Change Order No. 1



ENGINEER IN RESPONSIBLE CHARGE  
Richard D. McGrath  
R.C.E. No. 31952 expires 12-31-96  
DATE 11-2-95

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

TRAFFIC SIGNAL MODIFICATION  
ADAMS STREET @ 91 FREEWAY  
INDIANA AVENUE  
ACCT. NO. 0432-541500-440302-30036  
X-420  
SHEET 3 OF 3  
SCALE: 1" = 20'  
FILE NAME: X420-3.DWG