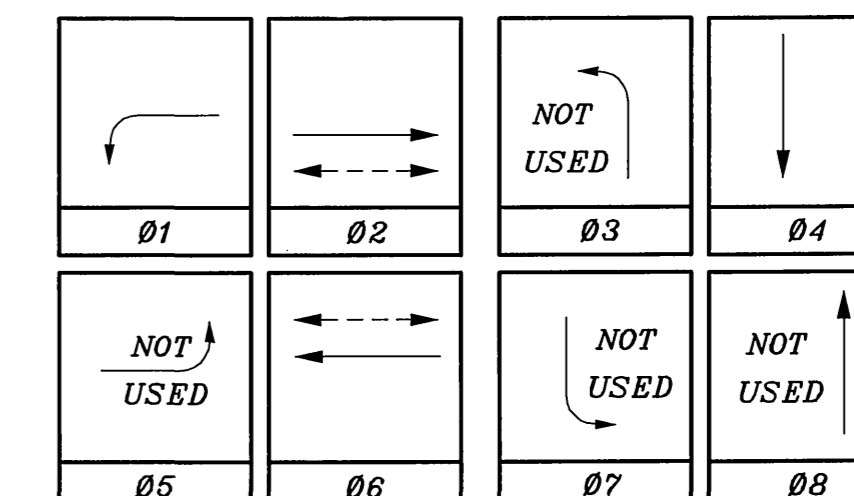


# CONDUCTOR TABLE

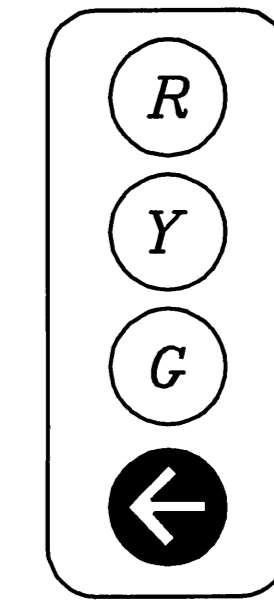
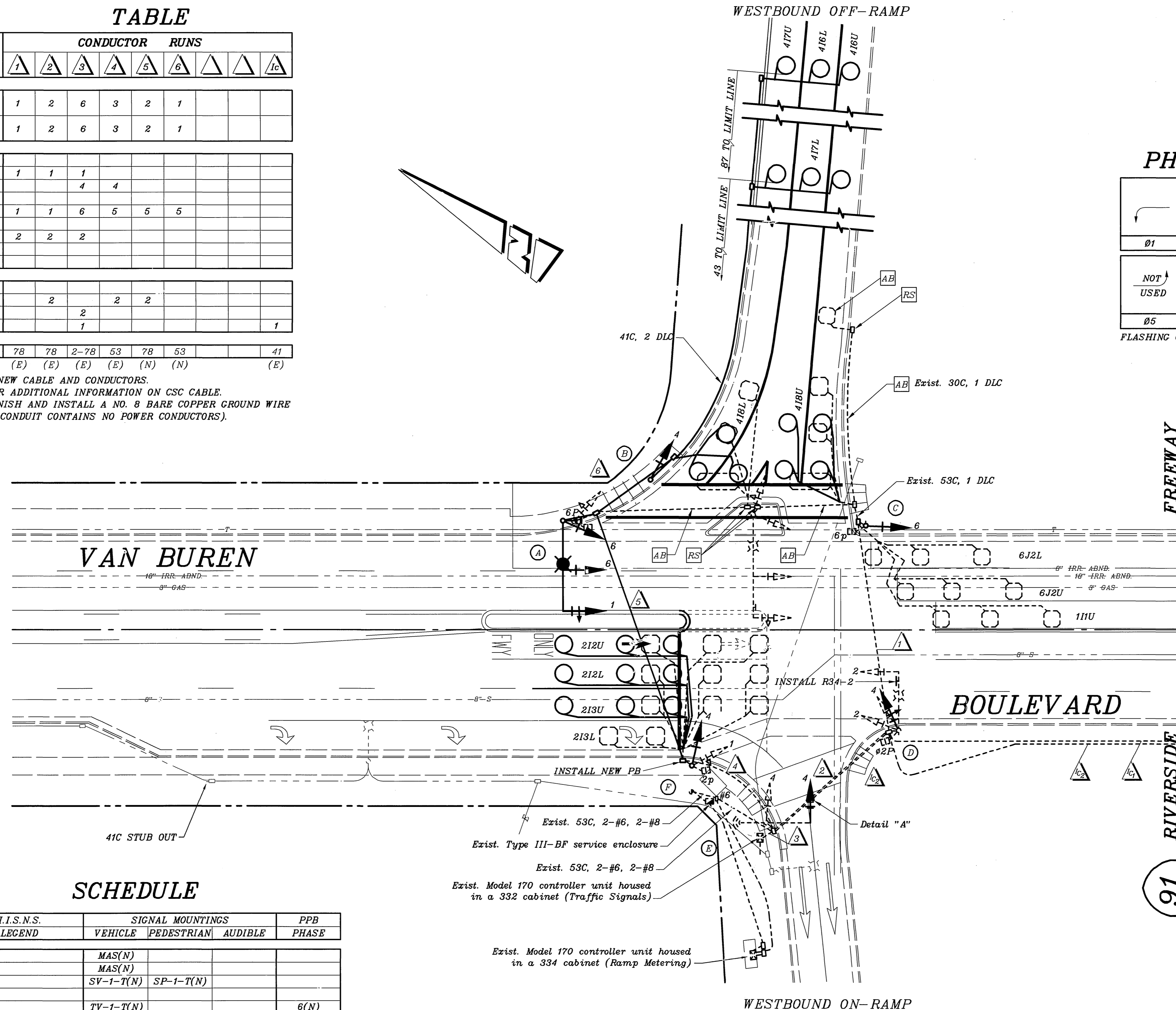
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS							
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE CSC 3 WIRE CSC	1	2	6	3	2	1		
DETECTOR CABLE	#16/2	1	1	1					
PHASE 1				4	4				
PHASE 2									
PHASE 3									
PHASE 4		1	1	6	5	5	5		
PHASE 5									
PHASE 6		2	2	2					
PHASE 7									
PHASE 8									
I.I.S.N.S.	#12								
LUMINAIRES	#8		2		2	2			
SIGNAL SERVICE	#6			2					
INTERCONNECT	#19		1						1
CONDUIT SIZE		78	78	2-78	53	78	53		41
		(E)	(E)	(E)	(E)	(N)	(N)		(E)

**NOTE:**  
 1. RUNS 1-6 SHALL HAVE ALL NEW CABLE AND CONDUCTORS.  
 2. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON CSC CABLE.  
 3. THE CONTRACTOR SHALL FURNISH AND INSTALL A NO. 8 BARE COPPER GROUND WIRE IN EACH CONDUIT (NO. 10 IF CONDUIT CONTAINS NO POWER CONDUCTORS).

## PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.



DETAIL "A"  
NO SCALE

## EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD			LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE	
(A)	19-4-129(N)	9.1	9.1(N)	3.7(N)	200W(N)		MAS(N)				
							MAS(N)				
							SV-1-T(N)	SP-1-T(N)			
(B)	1A(N)	3.05					TV-1-T(N)				6(N)
(C)	1A(N)	3.05					TV-1-T(N)	SP-1-T(N)			6(N)
(D)	TYPE 17(E)	9.1	6.1(E)	3.7(E)	200W(E)		MAS(E)				
							SV-2-TB(E)	SP-1-T(E)			2(E)
(E)	16-2-129(E)	5.2	4.6(E)				MAS(N)				
							SV-1-T(E)				
(F)	1A(E)	3.05					TV-2-T(N)	SP-1-T(E)			2(E)

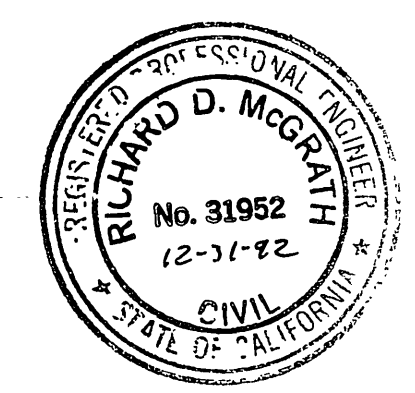
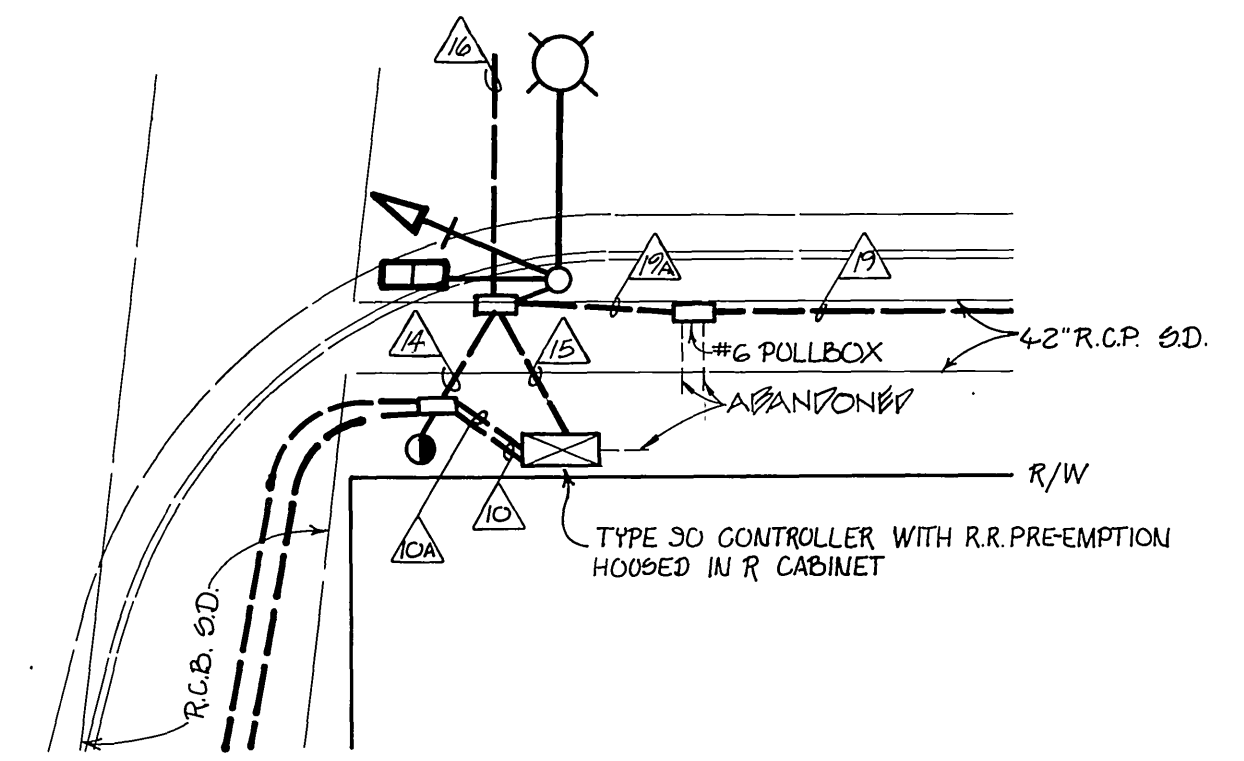
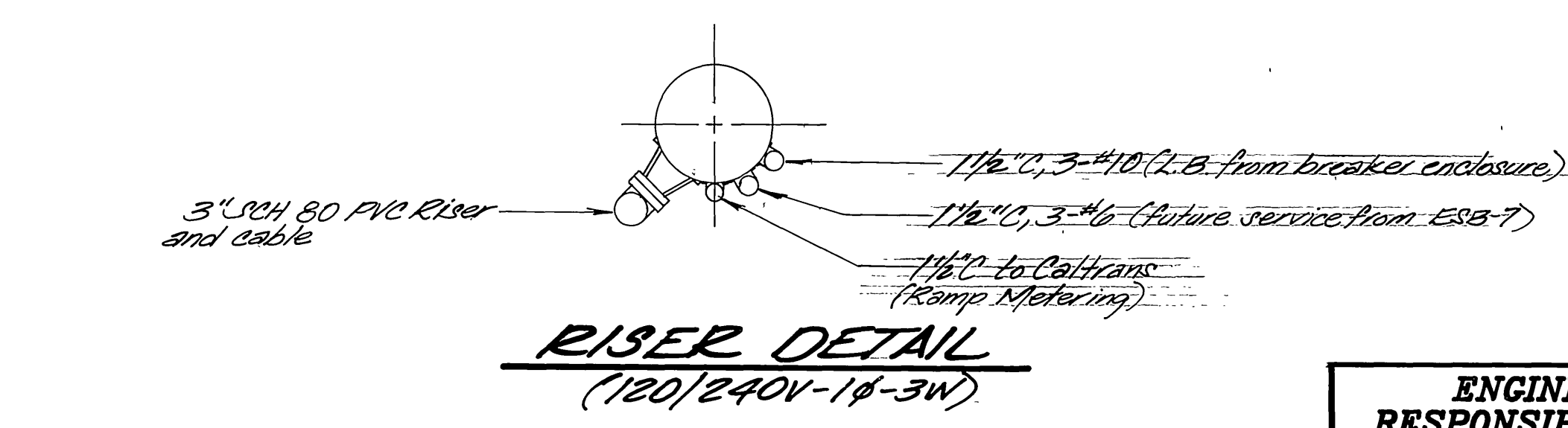
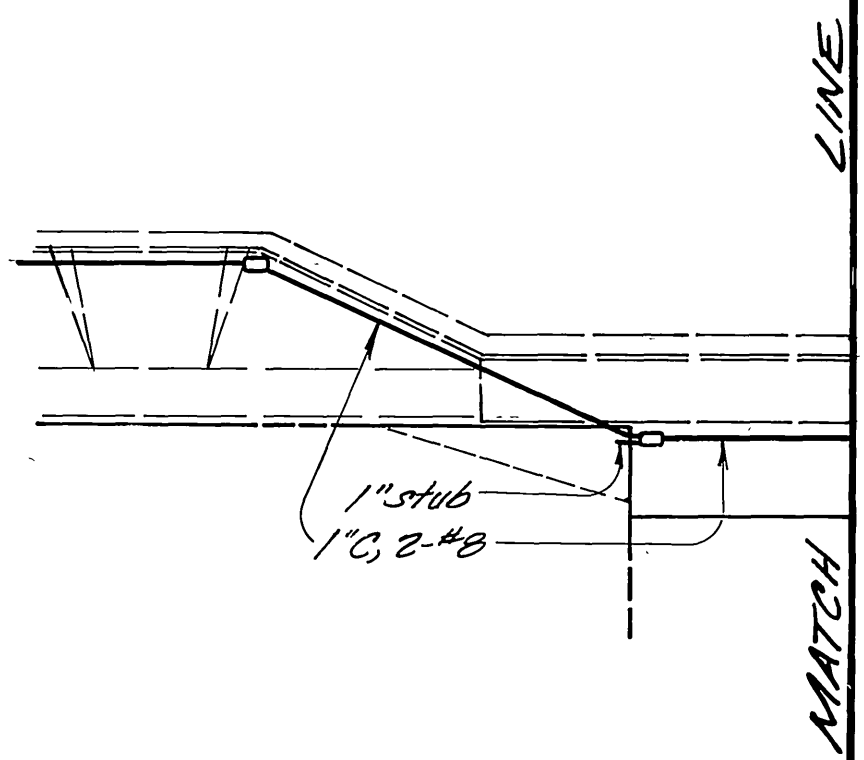
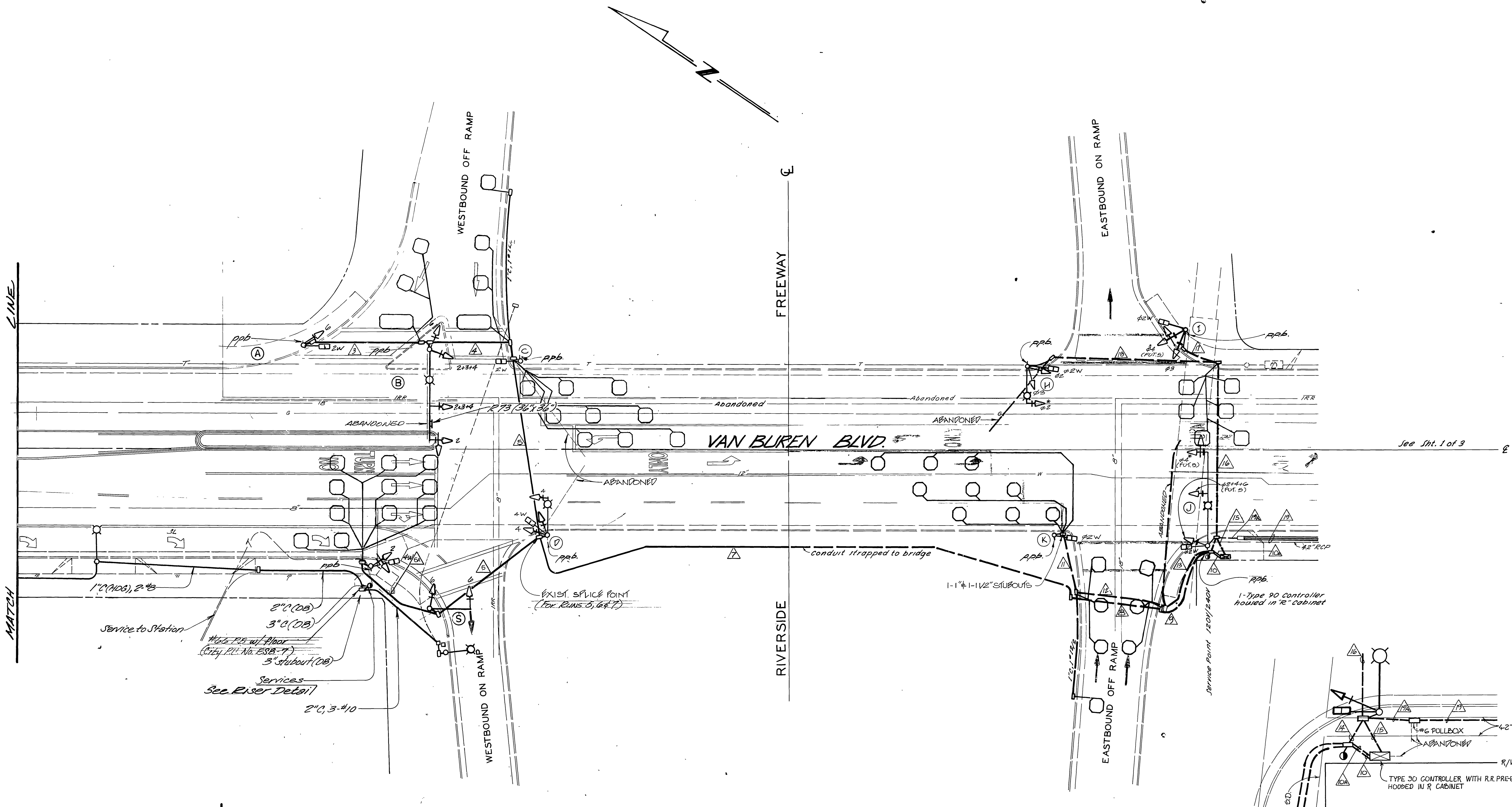
**NOTES:**  
 1. ALL NEW VEHICULAR HEADS SHALL HAVE 300mm LENSES.  
 2. ALL NEW LEFT TURN HEADS SHALL HAVE ALL ARROWS.  
 3. NEW PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.  
 4. ALL NEW VEHICLE INDICATIONS SHALL BE L.E.D. TYPE.  
 5. EQUIPMENT TO BE SALVAGED SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED TO THE MAINTENANCE YARD LOCATED AT 175 CLUSTER ST., SAN BERNARDINO, CA. 92408.

## 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: 3, 4.6 AND 9.1 (WHERE APPLICABLE).
- SEE PLAN M-438 FOR STREET IMPROVEMENTS.
- SEE PLAN XL-492 FOR SIGNING AND PAVEMENT DELINEATION.
- CALTRANS ELECTRICAL OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS IN ADVANCE OF THE ANTICIPATED WORK COMPLETION TO ARRANGE FOR SIGNAL TURN-ON. (909) 393-6427.

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNAL		VAN BUREN BLVD., 91 FWY WB RAMPS		X-224A SHEET 1 OF 1	
APPROVED BY	BY	DATE	APPROVED BY	BY	DATE				
PRINCIPAL ENGINEER		6/14/05	CITY ENGINEER		6/14/05				
MARK	REVISIONS	APPR.	DATE	TRAFFIC DIVISION	DATE				
					4/20/05				
DESIGNED BY	DRAWN BY	CHECKED BY							

INDEXED 9-28-05 LH



**ENGINEER IN RESPONSIBLE CHARGE**  
 Richard D. McGrath  
 RICHARD D. McGRATH  
 R.C.E. No. 31952 expires 12-31-92  
 DATE 6-21-91

DESIGNED BY	MARK
DRAWN BY	MAC
CHECKED BY	MAC
APPROVED BY	MAC 9/4/92
DATE	9/4/92

CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
	MAC	9/4/92
P.W. INSPECTION	BY	DATE
	MAC	5/1/91
TRAFFIC DIVISION	BY	DATE
	MAC	5/1/91
ASSISTANT CITY ENG.	BY	DATE
	MAC	6/18/91
PUBLIC UTILITIES	BY	DATE
	MAC	6/18/91

**TRAFFIC SIGNALS**

**VAN BUREN BLVD,  
 INDIANA AVENUE &  
 RIVERSIDE FREEWAY**

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

PROJECT NO. X-224  
 SHEET 1 OF 2  
 FILE NO.

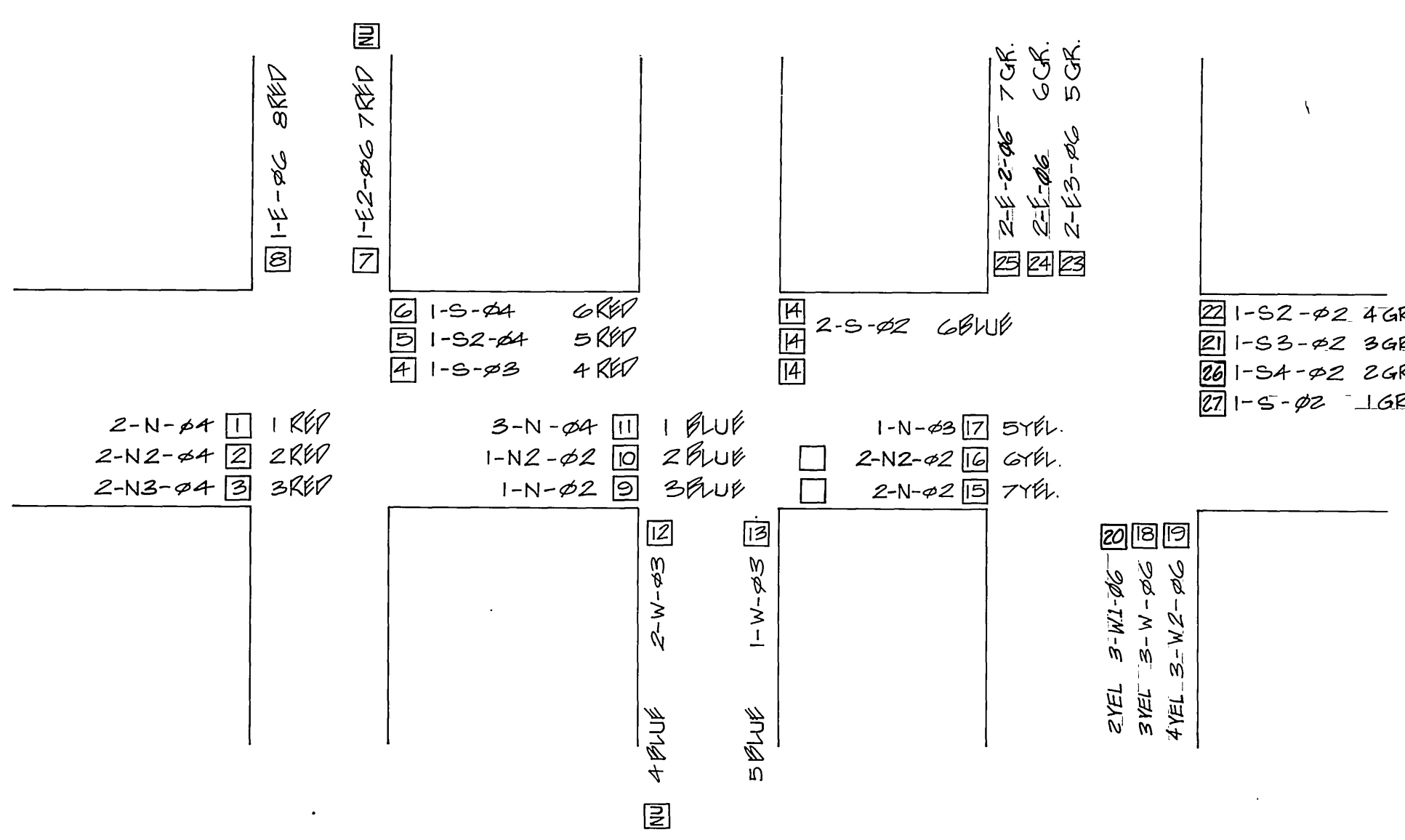
### CONDUCTOR SCHEDULE

CONDUCTOR FUNCTION		CONDUCTORS		CONDUIT RUNS																												
				1	2	3	4	5	6	7	8	9	10	10A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VEH HEADS	#14	T.W.																														
2																																
2+6																																
2+4+6(R+5)																																
2+3+4(R+5)																																
2+3																																
2+3+4																																
4																																
4+6(R+5)																																
PED HEADS																																
2W																																
4W																																
6W																																
RED PUSH BUTTONS																																
2W																																
4W																																
6W																																
SPARES																																
DETECTOR CABLE	#14	PE																														
2																																
2																																
3																																
4																																
RR PRE-EMPT	#14																															
12 V. COMMON	#12																															
120 V. COMMON	#10																															
SIGNAL SERVICE	#8	T.H.W.																														
LUMINAIRES																																
INTERCONNECT																																
TOTALS	#14	T.W.	7	17	18	12	25	25	25	50																						
	#12	RE																														
	#10	T.W.																														
	#8	T.W.																														
CONDUIT SIZE			1 1/2"	2"	3"	2"	3"	3"	3"	3"	2"	1 1/2"	1 1/2"	2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	

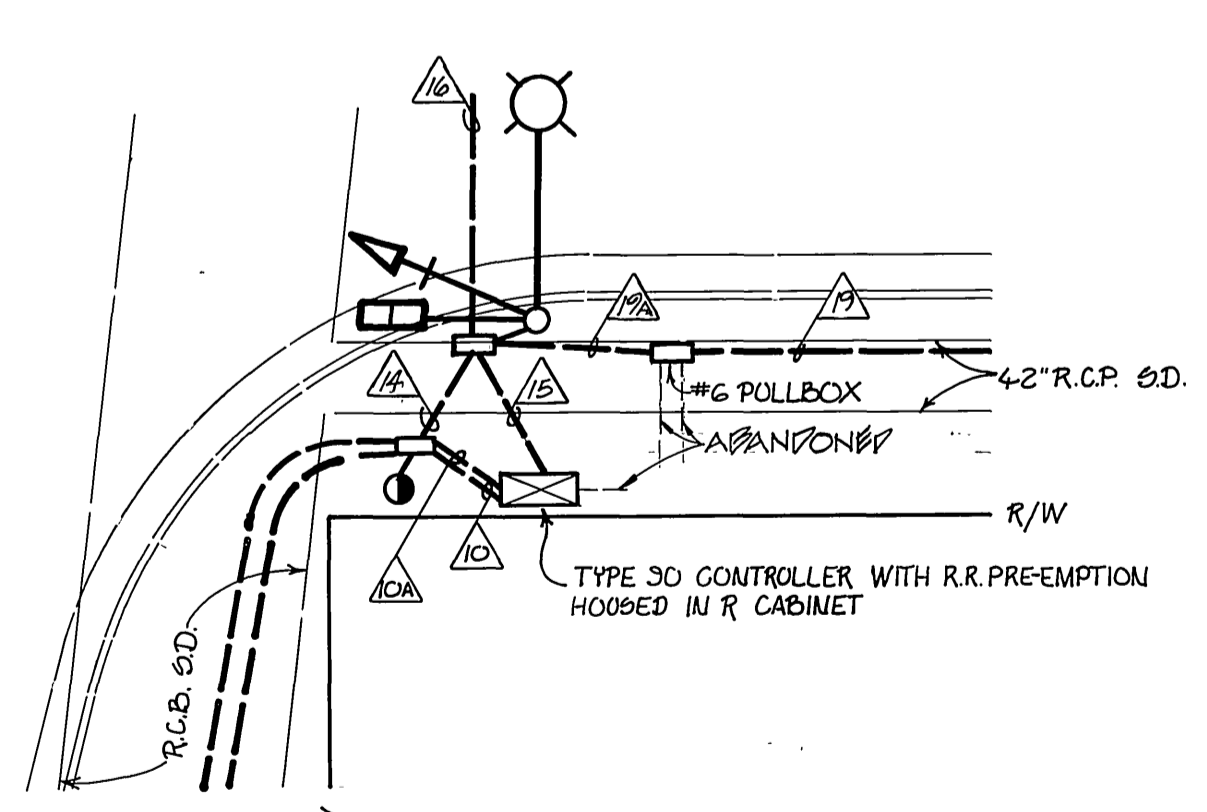
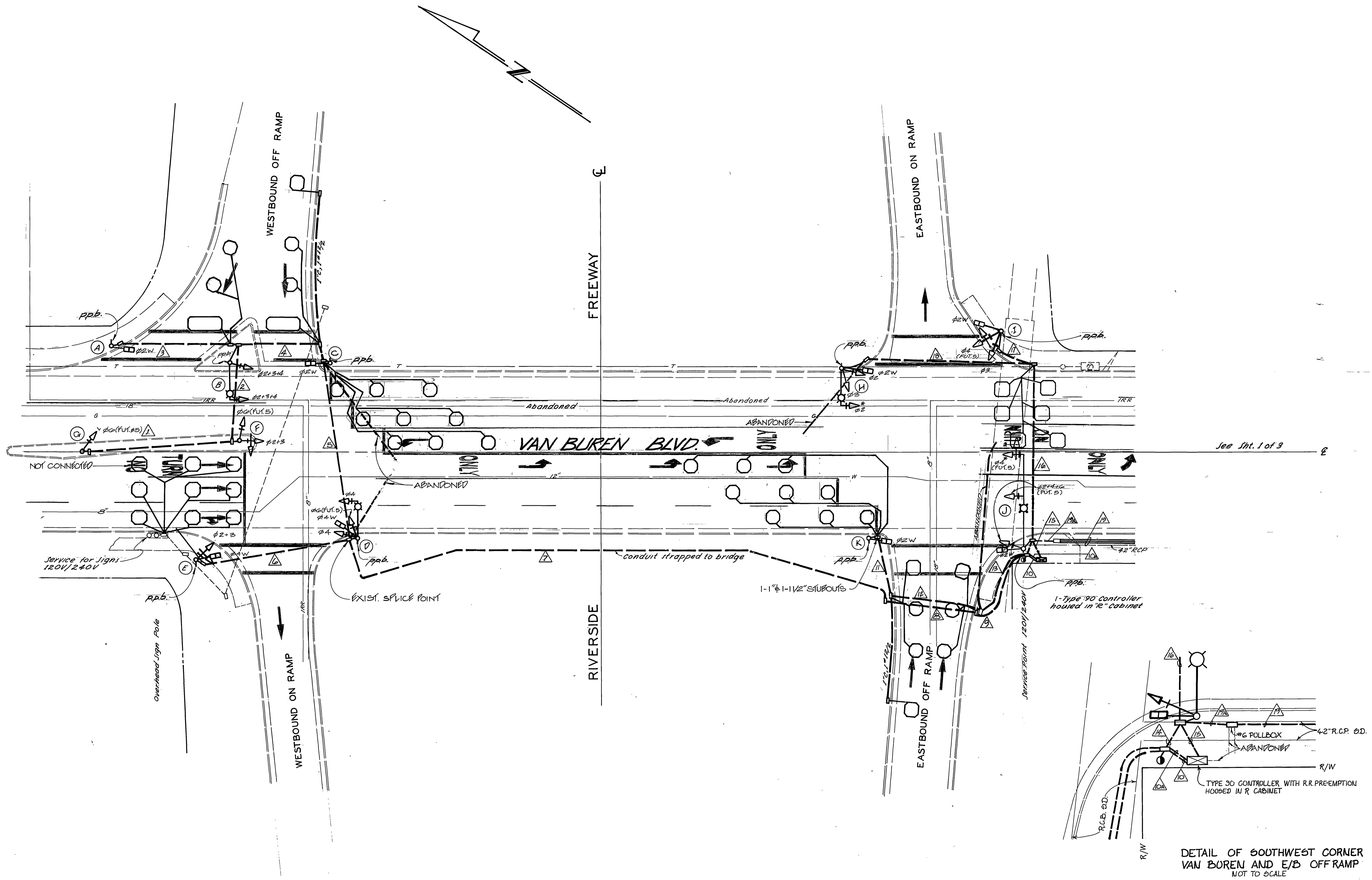
### EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	INT ILLUM	STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB				
A	TYPE 1	1W3C(12")	TV-1-T	1	1W2C	SP-1-T	1				
B	2A-4-80	1W3C(12")	MAS	1	1W2C	SP-1-T	1	400W			
	355A,12LA	1W3C	SV-1-T	1							
C	TYPE 1	1W3C(12")	MAS	1	1W2C	SP-1-T	1				
D	TYPE 17	1W3C(12")	MAS	1	1W2C	SP-1-T	1	400W			
		2W3C	SV-1-T	1							
E	TYPE 1	2W3C(12")	TV-1-T	2	1W2C	SP-1-T	1				
F	TYPE 1	1W3C	TV-1-T	2							
		1W3C(12")									
G	TYPE 1	1W3C	TV-1-T	1							
H	TYPE 17	1W3C(12")	MAS	1	1W2C	SP-1-T	1	400W			
		2W3C	SV-1-T	1							
I	TYPE 1	2W3C	TV-1-T	1	1W2C	SP-1-T	1				
		1W3C(12")									
J	2A-3-70	1W3C(12")	MAS	1	1W2C	SP-1-T	1	400W			
	355A,12LA	1W3C(12")	MAS	1							
		1W3C	SV-1-T	1							
K	TYPE 1	1W3C	TV-1-T	1	1W2C	SP-1-T	1				
L	TYPE 17	1W3C(12")	MAS	1	1W2C	SP-1-T	1	250W			
		1W3C	SV-1-T	1							
M	TYPE 1	2W3C	TV-1-T	2	1W2C	SP-1-T	1				
N	68110G/B	1W3C(12")	MAS	1	1W2C	SP-1-T	1	400W			
		1W3C	SV-1-T	1							
O	TYPE 1	1W3C	TV-1-T	1							
		2W3C(12")									
P	26-3-70	1W3C(12")	MAS	1				250W			
	455A,15LA	1W3C(12")	MAS	1							
		2W3C	SV-1-T	2							
Q	68110G/B	1W3C(12")	MAS	1	1W2C	SP-1-T	1	400W			
		1W3C	SV-1-T	1							
R	PED. POST										
S	16-2-80	1W3C(12")	MAS	1							
	155A	1W3C(12")	SV-1-T	1							

### EXISTING DETECTOR & LEAD-IN DESIGNATIONS



<p style="text-align: center;"><b>ENGINEER IN RESPONSIBLE CHARGE</b> Richard D. McGrath RICHARD D. McGRATH R.C.E. No. 31952 expires 12-31-92 DATE 6/2/91</p>	<p style="text-align: center;">AS-BUILT PER U.B. 2/1/85 MAC 8/3/85 PER-MIT #08-91-N-CD-0331</p>	<p><b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: <i>[Signature]</i> PRINCIPAL ENGINEER P.W. INSPECTION TRAFFIC DIVISION CHIEF P.W. ENGINEER PUBLIC UTILITIES</p>	<p style="text-align: center;"><b>TRAFFIC SIGNALS</b> <b>VAN BUREN BLVD, INDIANA AVE. AND RIVERSIDE FREEWAY</b></p> <p>APPROVED BY: <i>[Signature]</i> PUBLIC WORKS DIRECTOR</p> <p>DATE 6/12/91</p>	<p>ACCOUNT NO. <b>X-224</b> SHEET 2 OF 2 FILE NO.</p>
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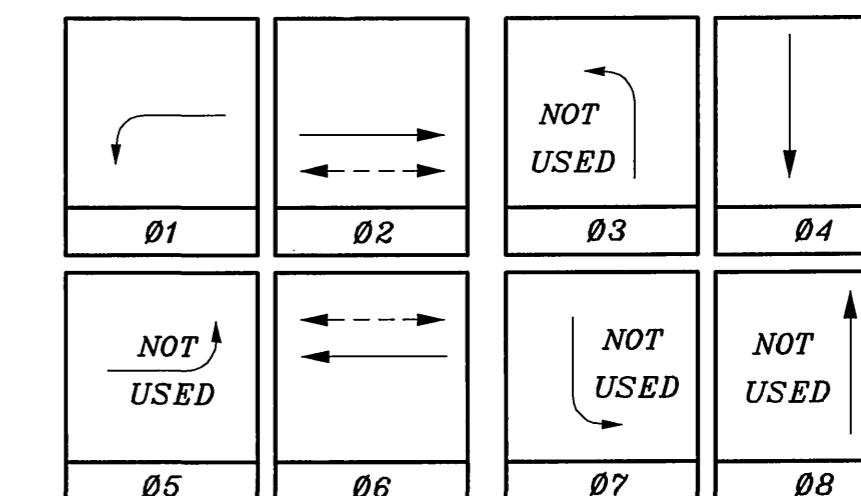
AS BUILT FOR UNDERPASS P-2039 MKC AS BUILT PER CONT. 18-77-1.1A NL 2-13-77 AS BUILT PER STRUCTURAL OVERLAY NL 7-13-77 Remove 2nd signal (median) JMW 6/20/12 As Built JMW 2/17/11		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		TRAFFIC SIGNALS <b>VAN BUREN BLVD,          INDIANA AVENUE &amp;          RIVERSIDE FREEWAY</b>		PROJECT NO. <b>X-224</b> SHEET 2 OF 3 FILE NO.
MARK DESIGNED BY DRAWN BY JMW CHECKED BY	REVISIONS APPR. DATE	APPROVED BY OFFICE ENGINEER PARK DEPARTMENT TRAFFIC DIVISION ASSISTANT CITY ENG.	BY DATE	APPROVED BY DIRECTOR OF PUBLIC WORKS DATE	HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" =	

## CONDUCTOR TABLE

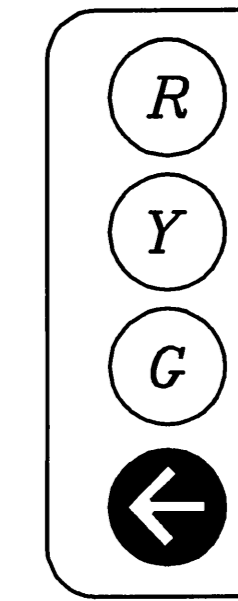
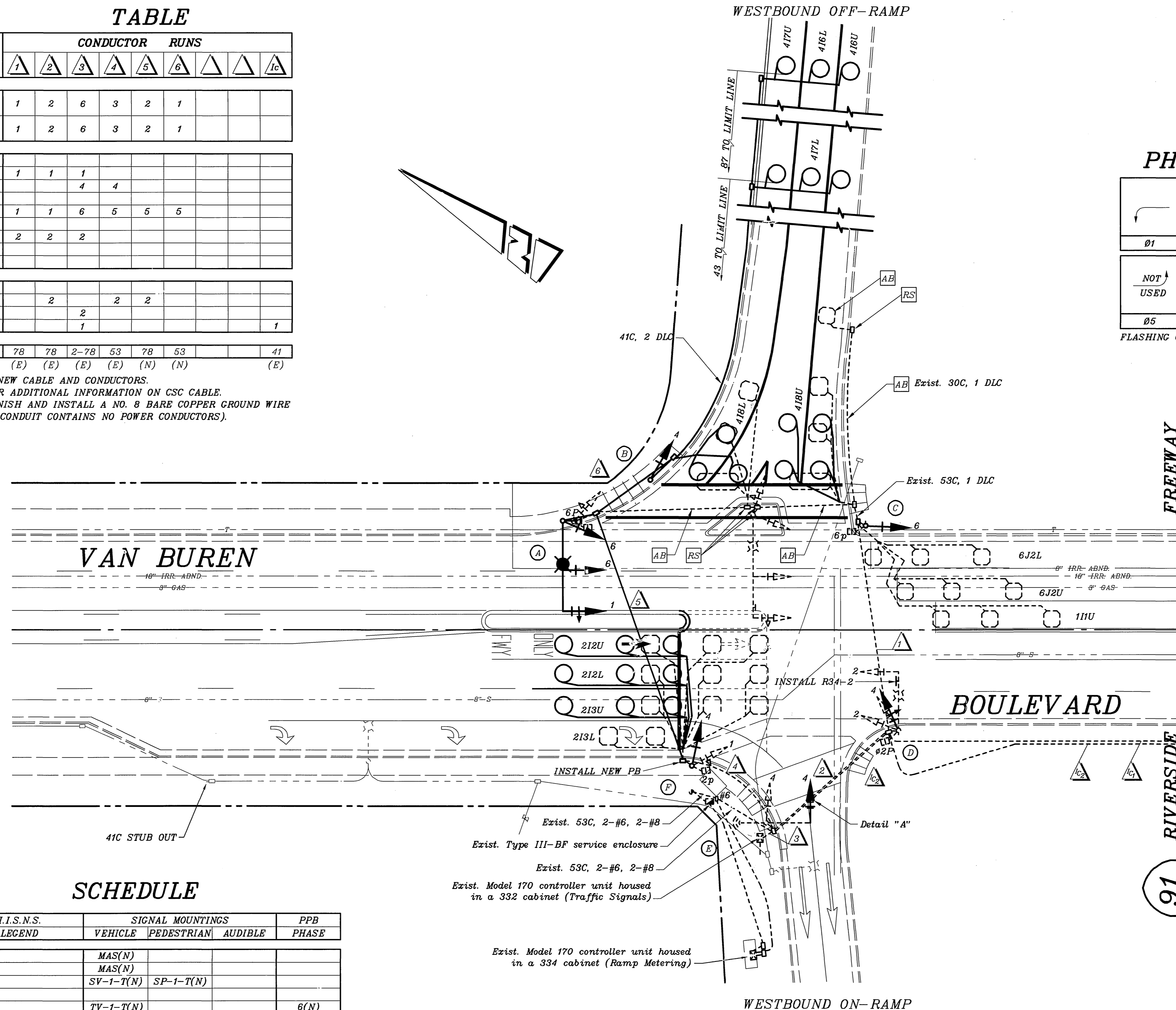
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS							
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE CSC	1	2	6	3	2	1		
	3 WIRE CSC	1	2	6	3	2	1		
DETECTOR CABLE	#16/2								
PHASE 1		1	1	1					
PHASE 2				4	4				
PHASE 3									
PHASE 4		1	1	6	5	5	5		
PHASE 5									
PHASE 6		2	2	2					
PHASE 7									
PHASE 8									
I.I.S.N.S.	#12								
LUMINAIRES	#8		2		2	2			
SIGNAL SERVICE	#6			2					
INTERCONNECT	#19		1						1
CONDUIT SIZE		78	78	2-78	53	78	53		41
		(E)	(E)	(E)	(E)	(N)	(N)		(E)

**NOTE:**  
 1. RUNS 1-6 SHALL HAVE ALL NEW CABLE AND CONDUCTORS.  
 2. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON CSC CABLE.  
 3. THE CONTRACTOR SHALL FURNISH AND INSTALL A NO. 8 BARE COPPER GROUND WIRE IN EACH CONDUIT (NO. 10 IF CONDUIT CONTAINS NO POWER CONDUCTORS).

### PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.



DETAIL "A"  
NO SCALE

## EQUIPMENT SCHEDULE

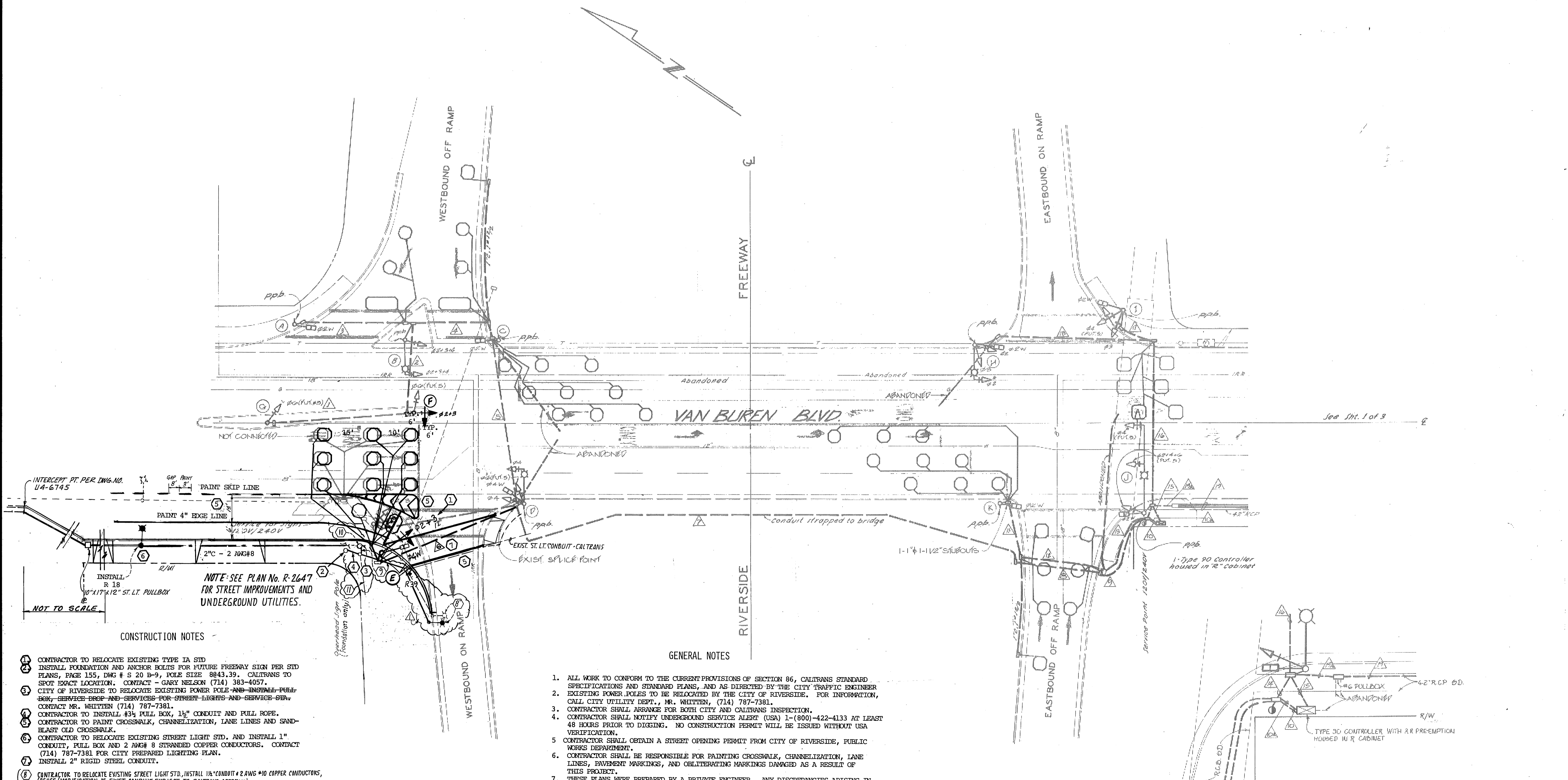
NO.	SIGNAL STANDARD			LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE	PHASE	
(A)	19-4-129(N)	9.1	9.1(N)	3.7(N)	200W(N)		MAS(N)				
							MAS(N)				
							SV-1-T(N)	SP-1-T(N)			
(B)	1A(N)	3.05					TV-1-T(N)				6(N)
(C)	1A(N)	3.05					TV-1-T(N)	SP-1-T(N)			6(N)
(D)	TYPE 17(E)	9.1	6.1(E)	3.7(E)	200W(E)		MAS(E)				
							SV-2-TB(E)	SP-1-T(E)			2(E)
(E)	16-2-129(E)	5.2	4.6(E)				MAS(N)				
							SV-1-T(E)				
(F)	1A(E)	3.05					TV-2-T(N)	SP-1-T(E)			2(E)

**NOTES:**  
 1. ALL NEW VEHICULAR HEADS SHALL HAVE 300mm LENSES.  
 2. ALL NEW LEFT TURN HEADS SHALL HAVE ALL ARROWS.  
 3. NEW PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.  
 4. ALL NEW VEHICLE INDICATIONS SHALL BE L.E.D. TYPE.  
 5. EQUIPMENT TO BE SALVAGED SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED TO THE MAINTENANCE YARD LOCATED AT 175 CLUSTER ST., SAN BERNARDINO, CA. 92408.

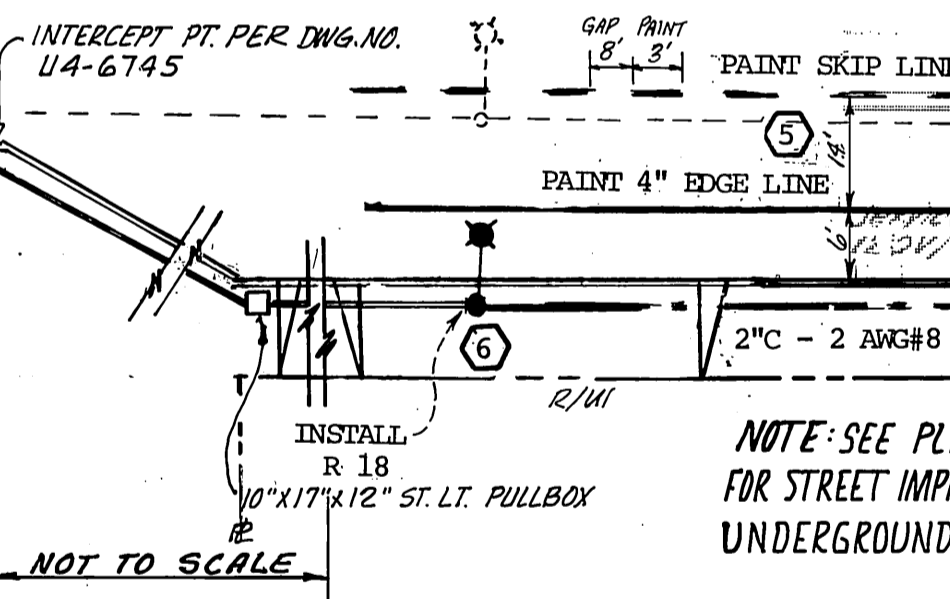
### GENERAL NOTES

- 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: 3, 4.6 AND 9.1 (WHERE APPLICABLE).
- 4 — SEE PLAN M-438 FOR STREET IMPROVEMENTS.
- 5 — SEE PLAN XL-492 FOR SIGNING AND PAVEMENT DELINEATION.
- 6 — CALTRANS ELECTRICAL OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS IN ADVANCE OF THE ANTICIPATED WORK COMPLETION TO ARRANGE FOR SIGNAL TURN-ON. (909) 393-6427.

<b>CITY OF RIVERSIDE, CALIFORNIA</b>				<b>TRAFFIC SIGNAL</b>		C.O.R. ACT. NO. 5581827162-44022300	
<b>DEPARTMENT OF PUBLIC WORKS</b>				<b>VAN BUREN BLVD.,</b>		CALTRANS ACT. NO. 08-04-N-MC-1125	
APPROVED BY		BY		DATE		<b>X-224A</b>	
PRINCIPAL ENGINEER		DATE		DATE			
MARK		REVISIONS		APPR. DATE		<b>91 FWY WB RAMPS</b>	
DESIGNED BY		DRAWN BY		CHECKED BY			
CITY ENGINEER				DATE		SHEET 1 OF 1	
TRAFFIC DIVISION				DATE		SCALE: 1" = 20'	
FILE NAME: X224A.DWG				INDEXED 9-28-05			



See Sht. 1 of 3



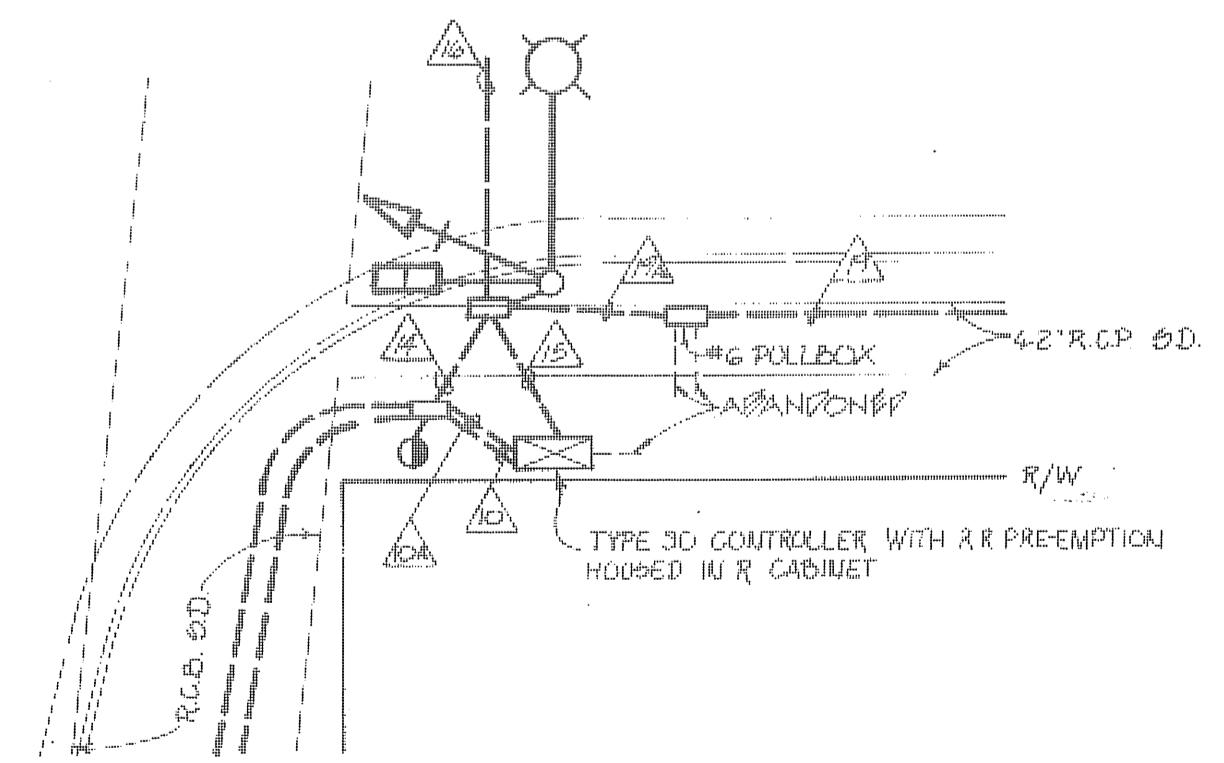
NOTE: SEE PLAN No. R-2647 FOR STREET IMPROVEMENTS AND UNDERGROUND UTILITIES.

CONSTRUCTION NOTES

1. CONTRACTOR TO RELOCATE EXISTING TYPE IA STD. INSTALL FOUNDATION AND ANCHOR BOLTS FOR FUTURE FREEWAY SIGN PER STD PLANS, PAGE 155, DWG # S 20 B-9, POLE SIZE 8843.39. CALTRANS TO SPOT EXACT LOCATION. CONTACT - GARY NELSON (714) 383-4057.
2. CITY OF RIVERSIDE TO RELOCATE EXISTING POWER POLE AND INSTALL PULL BOX, SERVICE DUMP AND SERVICES FOR STREET LIGHTS AND SERVICE SPA. CONTACT MR. WHITTEN (714) 787-7381.
3. CONTRACTOR TO INSTALL #3/4" PULL BOX, 1 1/2" CONDUIT AND PULL ROPE.
4. CONTRACTOR TO PAINT CROSSWALK, CHANNELIZATION, LANE LINES AND SAND-BLAST OLD CROSSWALK.
5. CONTRACTOR TO RELOCATE EXISTING STREET LIGHT STD. AND INSTALL 1" CONDUIT, PULL BOX AND 2 AWG # 8 STRANDED COPPER CONDUCTORS. CONTACT (714) 787-7381 FOR CITY PREPARED LIGHTING PLAN.
6. INSTALL 2" RIGID STEEL CONDUIT.
7. CONTRACTOR TO RELOCATE EXISTING STREET LIGHT STD. INSTALL 1 1/2" CONDUIT # 2 AWG #10 COPPER CONDUCTORS, (REUSE/MODIFICATION IF EXIST CONDUIT SUBJECT TO CALTRANS APPROVAL)
8. CONTRACTOR TO INSTALL 1 1/2" CONDUIT # 2 AWG #10 COPPER CONDUCTORS.
9. REINSTALL CALTRANS SERVICES IN KIND: POLE MOUNTED BREAKER BOXES: 120/240 V SPRINKLER SERVICE: 200 V LIGHTING SERVICE. COORDINATE WORK W/ CALTRANS #CITY INSPECTORS.
10. CONTRACTOR TO INSTALL 1 1/2" CONDUIT # 2 AWG #12 COPPER CONDUCTORS FOR CALTRANS LANDSCAPE EQUIPMENT COORDINATE WORK WITH CALTRANS INSPECTOR.

GENERAL NOTES

1. ALL WORK TO CONFORM TO THE CURRENT PROVISIONS OF SECTION 86, CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS, AND AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
2. EXISTING POWER POLES TO BE RELOCATED BY THE CITY OF RIVERSIDE. FOR INFORMATION, CALL CITY UTILITY DEPT., MR. WHITTEN, (714) 787-7381.
3. CONTRACTOR SHALL ARRANGE FOR BOTH CITY AND CALTRANS INSPECTION.
4. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) 1-(800)-422-4133 AT LEAST 48 HOURS PRIOR TO DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED WITHOUT USA VERIFICATION.
5. CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FROM CITY OF RIVERSIDE, PUBLIC WORKS DEPARTMENT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING CROSSWALK, CHANNELIZATION, LANE LINES, PAVEMENT MARKINGS, AND OBLITERATING MARKINGS DAMAGED AS A RESULT OF THIS PROJECT.
7. THESE PLANS WERE PREPARED BY A PRIVATE ENGINEER. ANY DISCREPANCIES ARISING IN THE COURSE OF THIS WORK SHALL BE RESOLVE BY THAT ENGINEER.



DETAIL OF SOUTHWEST CORNER VAN BUREN AND E/D OFF RAMP NOT TO SCALE

APPROVED FOR ST. LIGHTS:  
CITY OF RIVERSIDE  
ELECTRICAL DIV.

MODIFICATION DESIGNED BY  
**JUSTIN F. FARMER INC.**

DATE: 8-27-89 R.T.E.: D186

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]  
DATE: 3/12/85  
OFFICE ENGINEER  
TRAFFIC DIVISION  
ASSISTANT CITY ENG.

TRAFFIC SIGNALS		PROJECT NO.
VAN BUREN BLVD, INDIANA AVENUE & RIVERSIDE FREEWAY		X-224
		SHEET 2 OF 3
HORIZ. SCALE: 1" = 20'	VERT. SCALE: 1" =	FILE NO.

### CONDUCTOR SCHEDULE

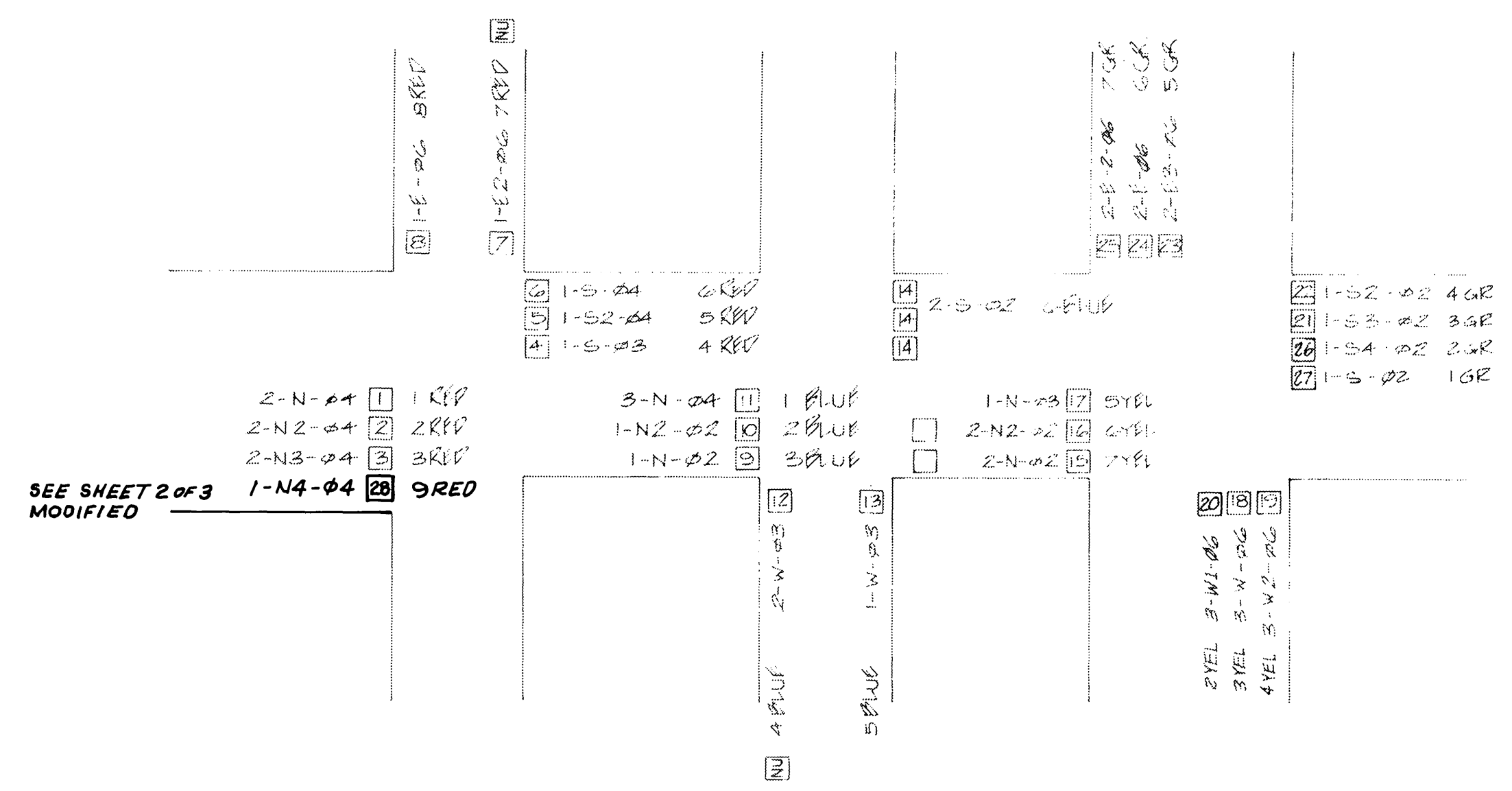
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(N) - NEW RUN

X - CONDUIT RUNS 6 THRU 10 SHALL HAVE 2 NEW #4 DETECTOR CABLES

\* 1 RUNS 7, 8, 9 AND A PORTION OF 10 HAVE #10 CONDUCTORS IN PLACE OF #14 AS SHOWN

### EXISTING DETECTOR & LEAD-IN DESIGNATIONS



### EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	TYPE 1				1W2C	TR-I-T	1			
B	TYPE 17	1W3C(12")	MAS	1				400W		
C	TYPE 1				1W2C	TR-I-T	1			
D	TYPE 17	1W3C(12")	MAS	1	1W2C	SP-I-T	1	400W		
E(R)	TYPE 1	1W3C(N)	TV-I-T	1	1W2C	SP-I-T	1			12" R,Y,G ARROWS
F	TYPE 1	1W3C(N)	TV-I-T	1						12" R,Y,G ARROWS
G	TYPE 1	1W3C	TV-I-T	1						
H	TYPE 17	1W3C(12")	MAS	1	1W2C	SP-I-T	1	400W		
I	TYPE 1	2W3C	TV-I-T	1	1W2C	SP-I-T	1			
J	24-3-70	1W3C(12")	MAS	1	1W2C	SP-I-T	1	400W		
K	TYPE 1	1W3C	TV-I-T	1	1W2C	TR-I-T	1			
L	TYPE 17	1W3C(12")	MAS	1	1W2C	SP-I-T	1	250W		
M	TYPE 1	2W3C	TV-I-T	1	1W2C	SP-I-T	1			
N	60110GB	1W3C(12")	MAS	1	1W2C	SP-I-T	1	400W		
O	TYPE 1	1W3C	TV-I-T	1						
P	26-3-70	1W3C(12")	MAS	1				250W		
Q	60110GB	1W3C(12")	MAS	1	1W2C	SP-I-T	1	400W		
R	PED. POST									

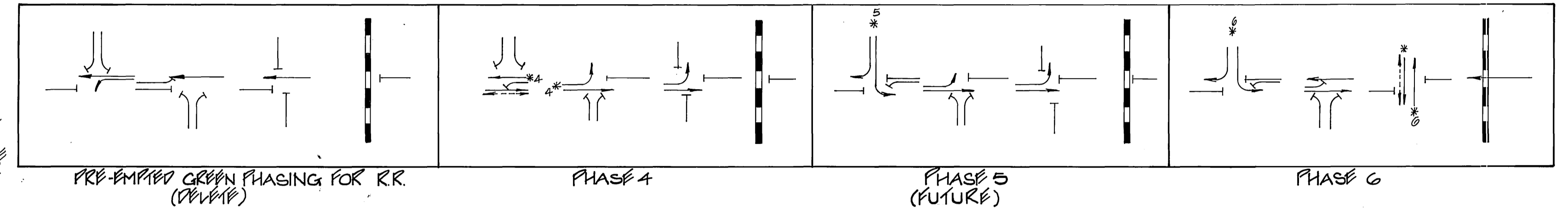
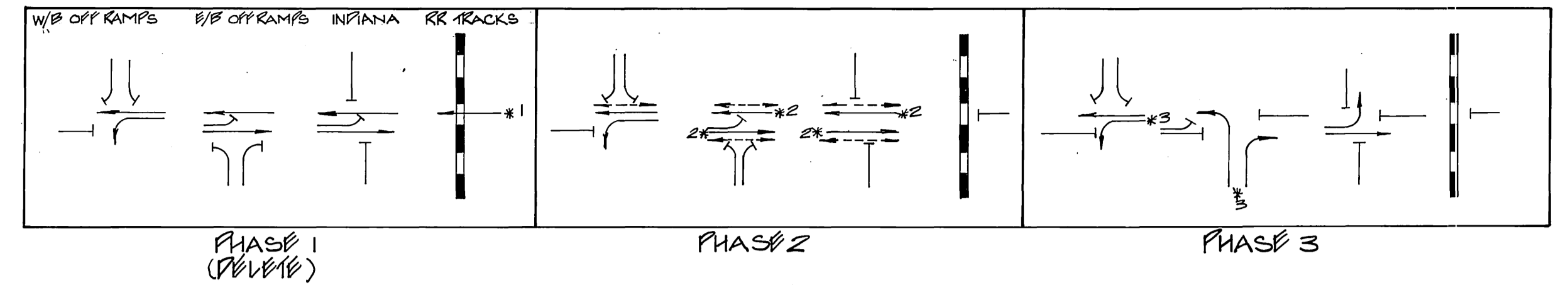
\*\* 4 SECTION, PROGRAMMED VIBRILITY HEAD, RED, GREEN AND YELLOW BALL, GREEN AND YELLOW ARROWS

(R) - RELOCATED  
(N) - NEW

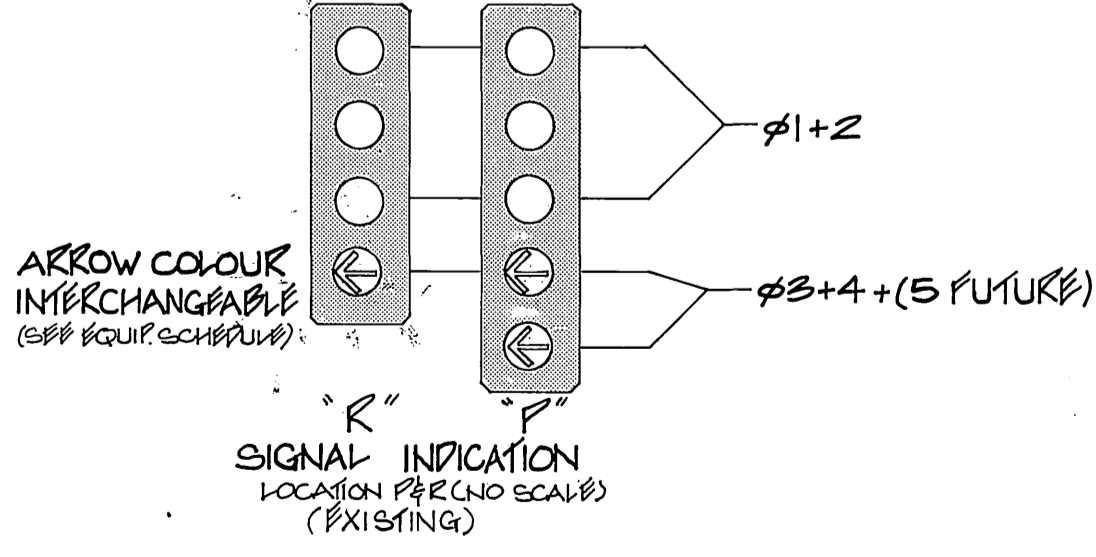
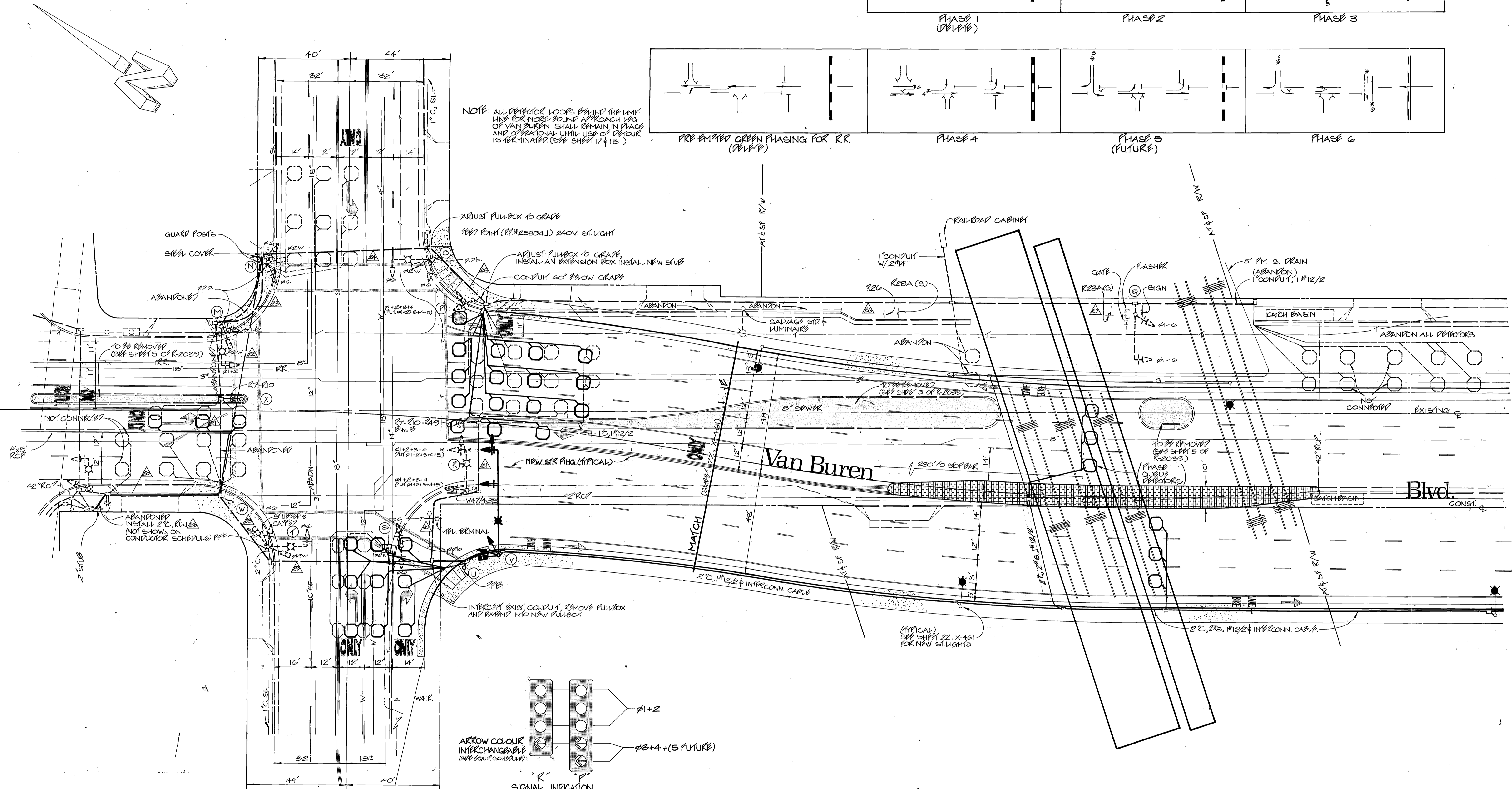
<b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPARTMENT		<b>Van Buren Underpass</b>		ACCOUNT NO. 30-575-224-07
APPROVED BY PRINCIPAL ENGINEER		APPROVED BY PUBLIC WORKS DIRECTOR		<b>X-224</b>
TRAFFIC DIVISION		TRAFFIC DIVISION		
DESIGNED BY JFF		DATE 3/12/65		SHEET 3 OF 3
DRAWN BY CE		SCALE: 1" = 20'		FILE NO.

**PHASING DIAGRAMS** (See Sht. 22, X-461 for coordinated phasing)

NOTE: PHASE 1 & THE PRE-EMPTED GREEN PHASING TO BE DELETED UPON COMPLETION OF THE UNDERPASS.



NOTE: ALL PREVIOUS LOOPS BEHIND THE LIMIT LINE FOR NORTHBOUND APPROACH LEG OF VAN BUREN SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL USE OF PHASOR IS TERMINATED (SEE SHEET 17 & 18).

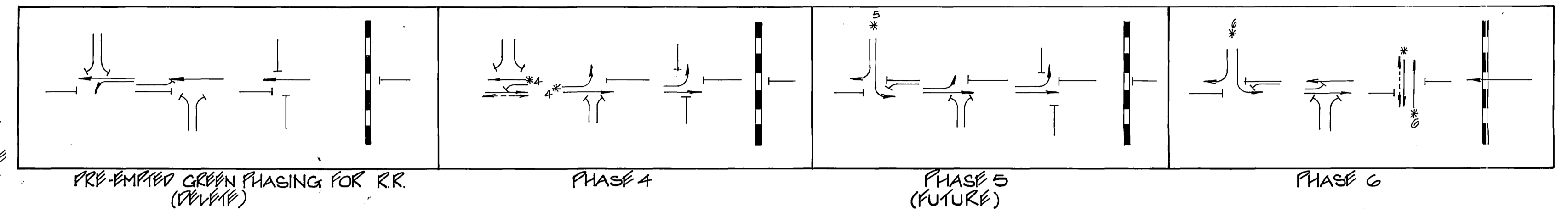
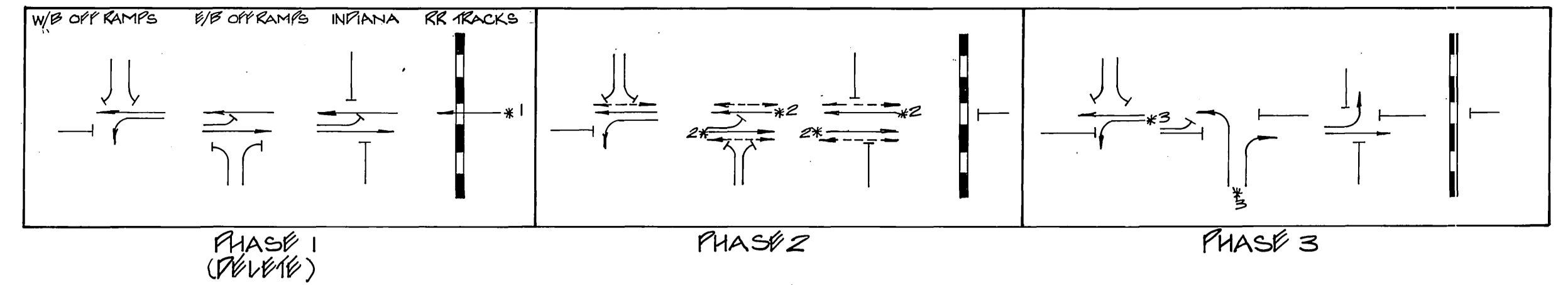


<b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPARTMENT		<b>Van Buren Underpass</b> TRAFFIC SIGNALS AT VAN BUREN BLVD., INDIANA AVE. RIVERSIDE FRWY. & AT.S.F. CROSSING		INDEXED RKE ACCOUNT NO. 30-575-224-07 <b>X-224</b> SHEET 20 OF 23
APPROVED BY PRINCIPAL ENGINEER TRAFFIC DIVISION CHIEF P. W. ENGINEER PUBLIC UTILITIES	DATE 11/18/80	APPROVED BY PUBLIC WORKS DIRECTOR	DATE 11/18/80	SCALE: 1" = 20'
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]	REVISIONS APPR. DATE	MARK	APPR. DATE	R-2039

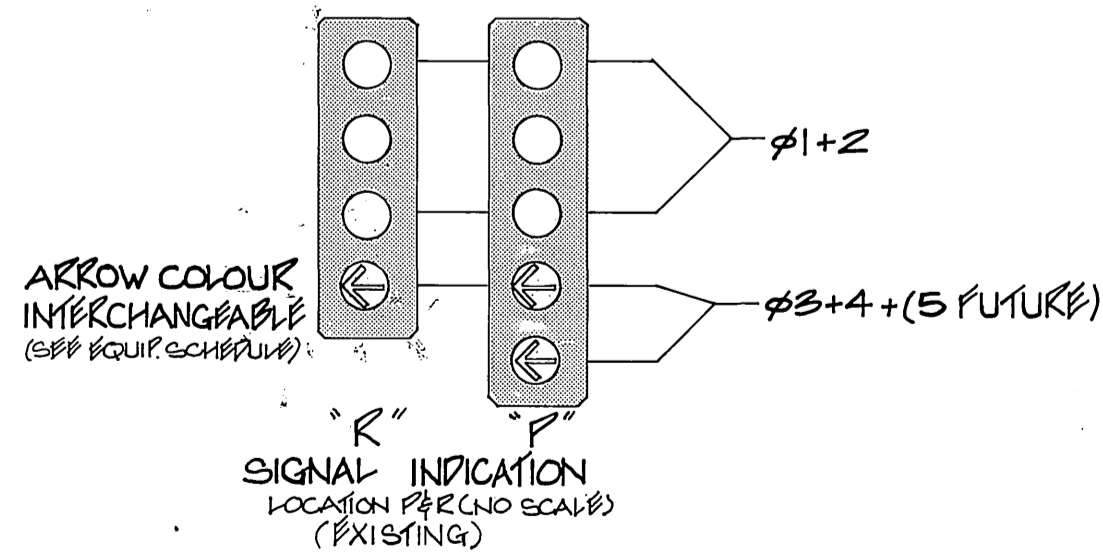
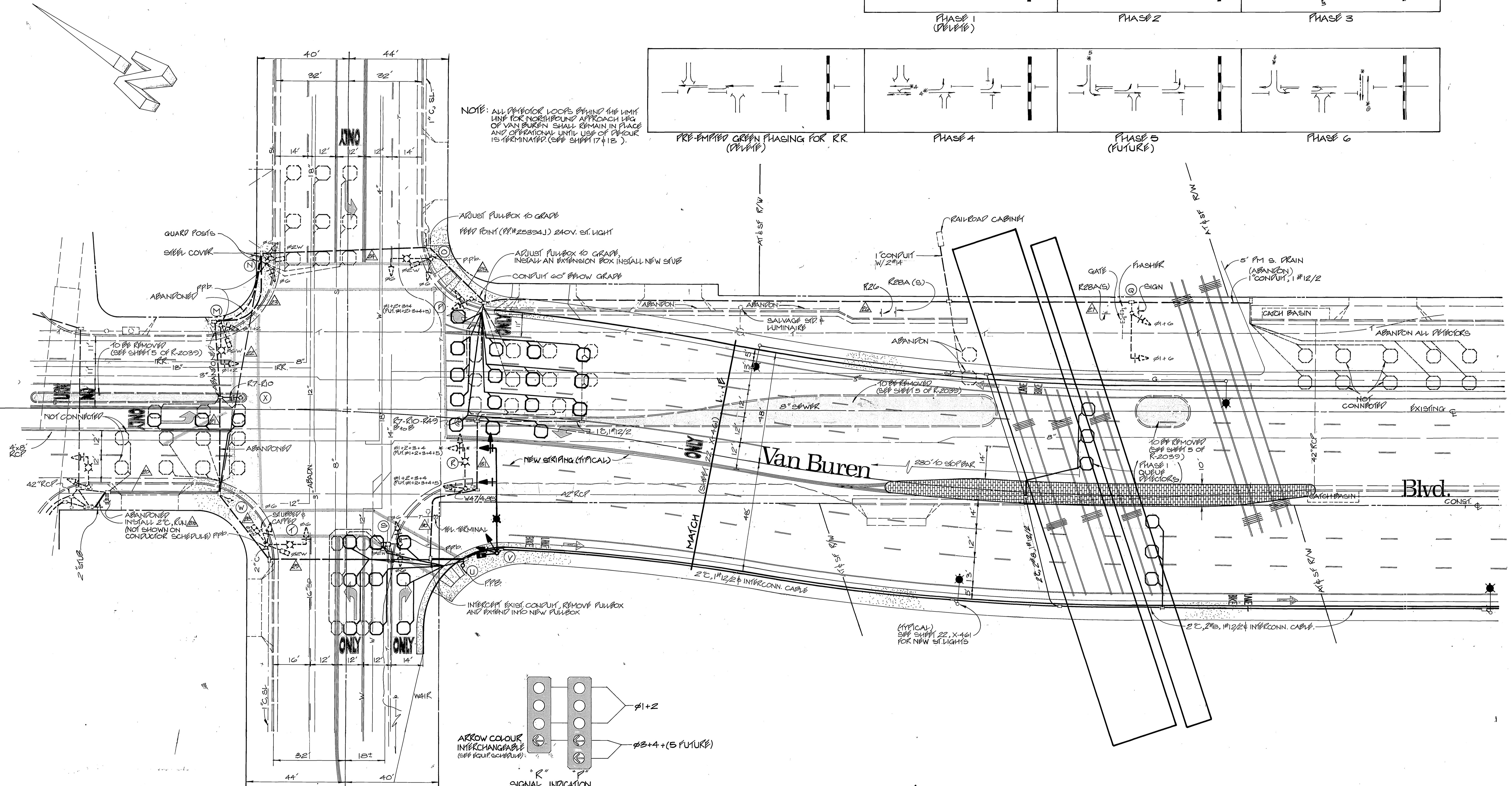


**PHASING DIAGRAMS** (See Sht. 22, X-461 for coordinated phasing)

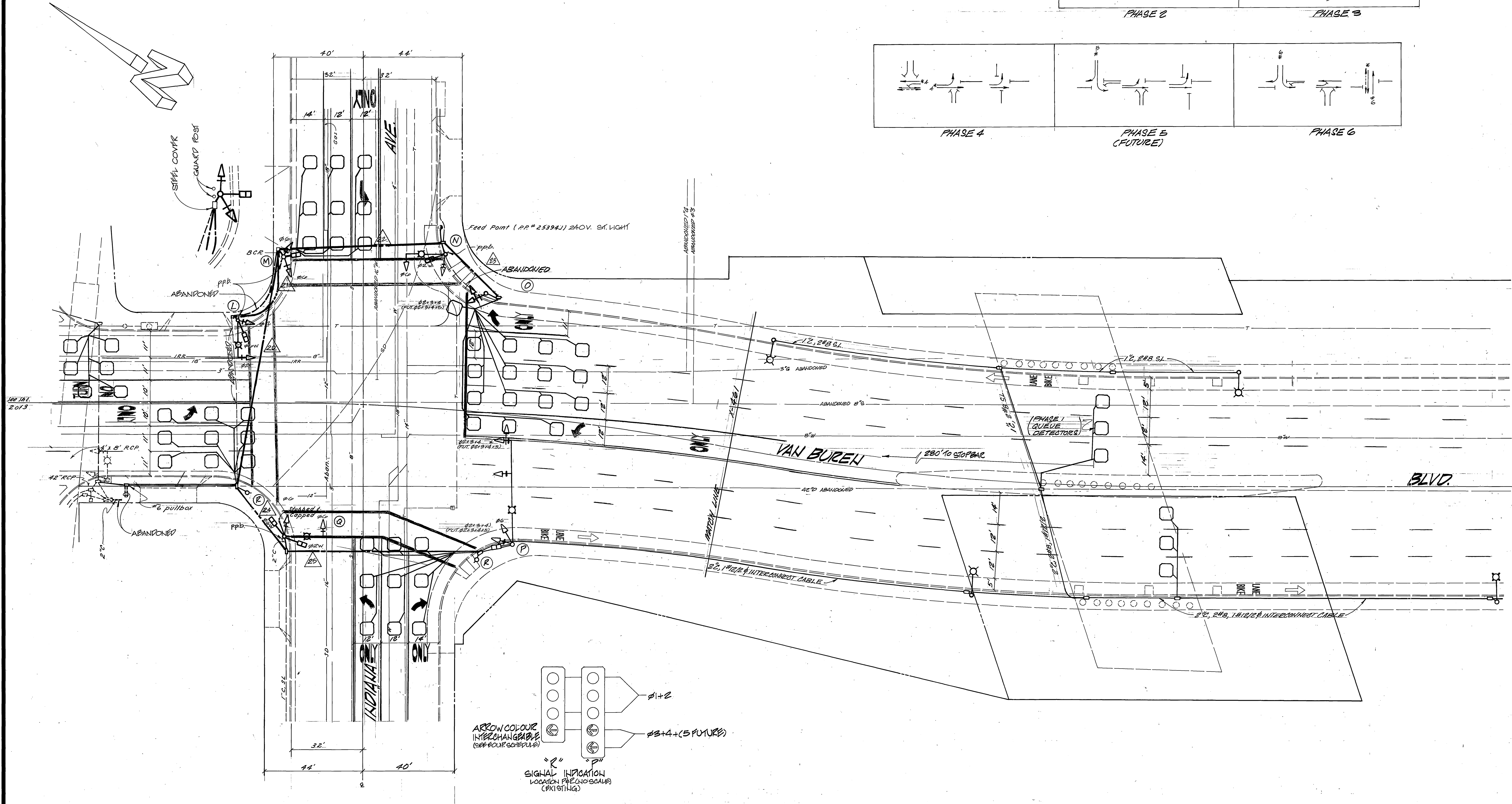
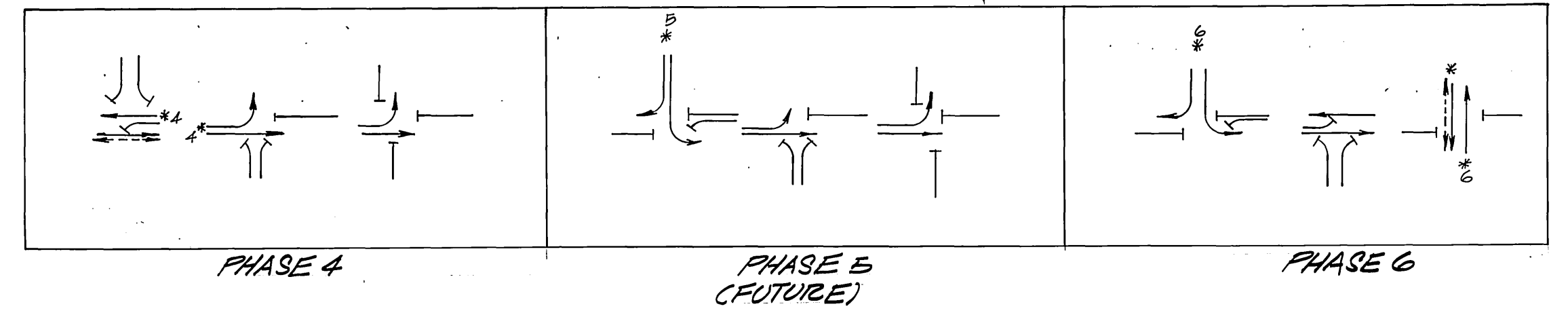
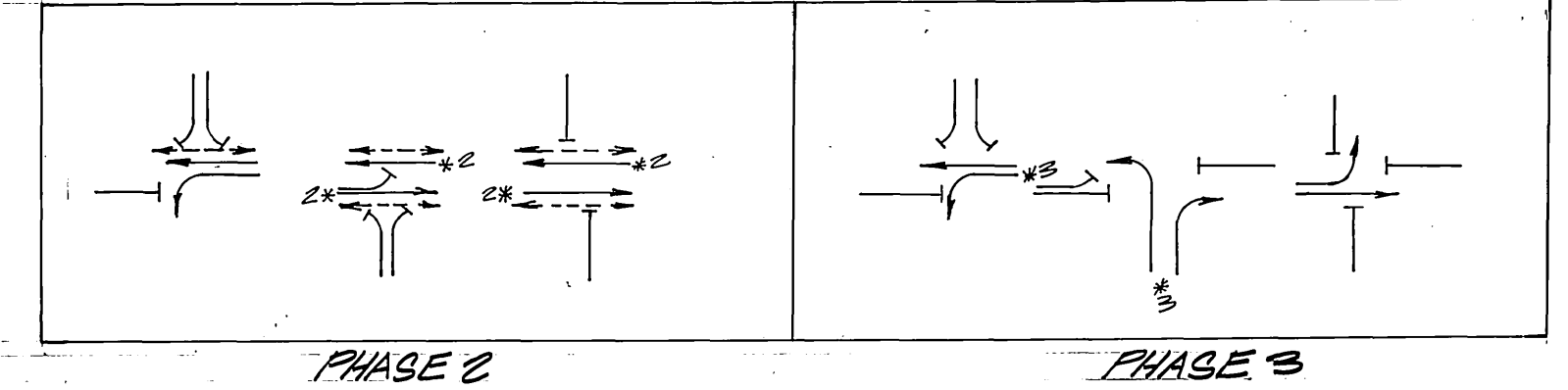
NOTE: PHASE 1 & THE PRE-EMPTED GREEN PHASING TO BE REMOVED UPON COMPLETION OF THE UNDERPASS.



NOTE: ALL PREVIOUS LOOPS BEHIND THE LIMIT LINE FOR NORTHBOUND APPROACH LEG OF VAN BUREN SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL USE OF PHASOR IS TERMINATED (SEE SHEET 17 & 18).



<b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPARTMENT		<b>Van Buren Underpass</b> TRAFFIC SIGNALS AT VAN BUREN BLVD., INDIANA AVE. RIVERSIDE FRWY. & AT.S.F. CROSSING		INDEXED RKE ACCOUNT NO. 20-575-224-07 <b>X-224</b> SHEET 20 OF 23
APPROVED BY PRINCIPAL ENGINEER TRAFFIC DIVISION CHIEF P. W. ENGINEER PUBLIC UTILITIES	APPROVED BY PUBLIC WORKS DIRECTOR	DATE: 11/19/80	SCALE: 1" = 20'	R-2039



AS BUILT PER UNDERPASS R-2039	JMM	7/13/70	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	TRAFFIC SIGNALS	PROJECT NO.
AS BUILT PER STRUCTURAL OVERLAY	JMM	7/13/70		VAN BUREN BLVD., INDIANA AVENUE & RIVERSIDE FREEWAY	X-224
AS BUILT PER CONT. TE-77-1, 1R	JMM	7/13/70			
IMP. DETECTOR REV. FROM LT THROUGH RD	JMM	7/13/70			
LOOP DETECTORS REVISION	JMM	7/13/70			
AS BUILT PER CONT. TE-77-6	JMM	7/13/70			
AS BUILT PER CONT. TE-70-4	JMM	7/21/71			
REVISIONS	APPR.	DATE	APPROVED BY		
DESIGNED BY _____	DRAWN BY JMM	CHECKED BY _____	APPROVED BY	DATE	
			OFFICE ENGINEER		FILE NO.
			PARK DEPARTMENT		
			TRAFFIC DIVISION		
			ASSISTANT CITY ENG.		