

EQUIPMENT SCHEDULE

NO.	SIGNAL TYPE	STANDARD H'GHT	LUMINAIRE			I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE
			M.A.	M.A.	H.P.S.V.		VEHICLE	PEDESTRIAN	AUDIBLE	
(A)	1A	10'					TV-1-T	SP-1-T	((C))	6
(B)	1A	7'					TP-1-T		((P))	4
(C)	1A	10'					TV-1-T	SP-1-T	((C))	4
(D)	23-4-80	17'	35'			WELLS	MAS			
							MAS			
							SV-2-T			
(E)	18-2-80	17'	20'			HOLE	MAS			
							SV-1-T			
(F)	18-2-80	17'	25'			WELLS	MAS			
							SV-1-T	SP-1-T	((P))	6
(G)	1A	14'					EV-Det.			

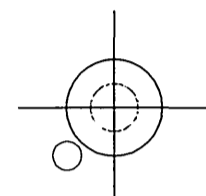
NOTES:
 1. ALL VEHICULAR HEADS HAVE 12" LENSES.
 2. ALL LEFT TURN HEADS HAVE ALL ARROWS.

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	-	1	2	-	-	-	-	-	-	-
	9 WIRE IMSA	1	1	1	2	3	1	1	1	1	1	1	1
	5 WIRE IMSA	-	1	-	1	2	1	1	1	1	1	1	1
	3 WIRE IMSA	1	1	-	1	4	2	2	2	1	1	1	1
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 1 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-
PHASE 2		-	-	2	2	2	-	-	-	-	-	-	-
PHASE 3 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-
PHASE 4		-	-	-	-	3	3	-	-	-	-	-	-
PHASE 5		-	-	-	-	-	-	-	-	-	-	-	-
PHASE 6		-	-	1	1	1	-	-	-	-	-	-	-
PHASE 7 (NOT USED)		-	-	-	-	3	3	3	3	-	-	-	-
PHASE 8 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-
TOTALS		-	-	3	3	9	6	3	3	-	-	-	-
PRE-EMPTION CABLE	4#20	-	1	-	1	4	-	-	-	-	-	-	-
INTERCONNECT CABLE	6-PAIR #19	-	-	-	-	-	-	-	-	-	-	-	-
I.I.S.N.S.	#12	-	2	2	2	-	-	-	-	-	-	-	-
LUMINAIRES	#8	-	-	-	-	-	-	-	-	-	-	-	-
SIGNAL SERVICE	#6	-	-	-	-	2	-	-	-	-	-	-	-
CONDUIT SIZE		2"	2"	2"	3"	2-3"	2.5"	2.5"	2"				

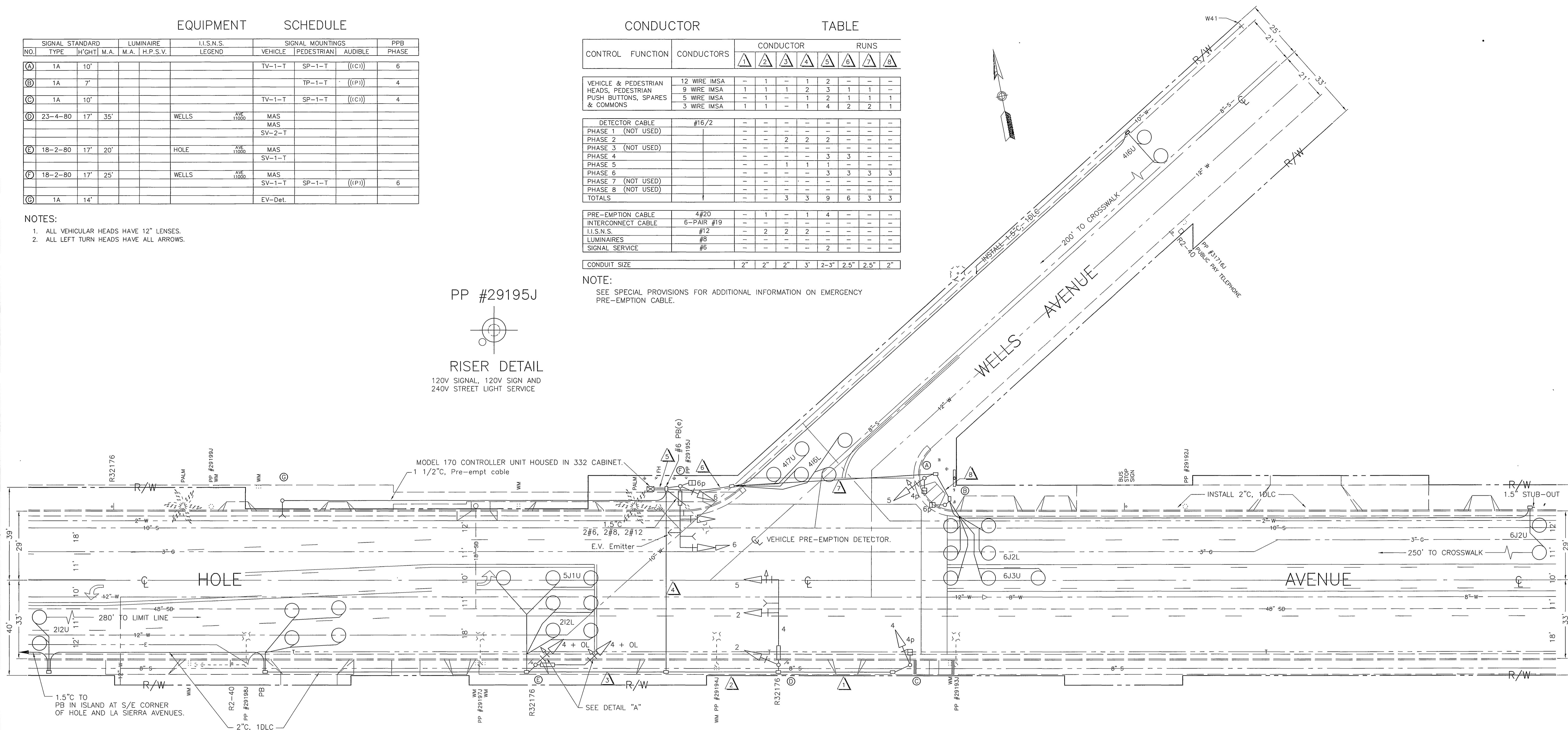
NOTE:
 SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON EMERGENCY PRE-EMPTION CABLE.

PP #29195J

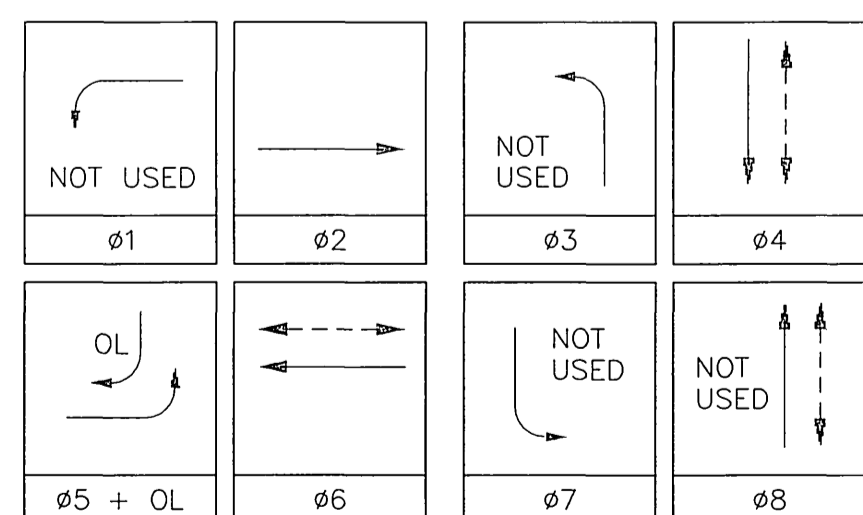


RISER DETAIL

120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE

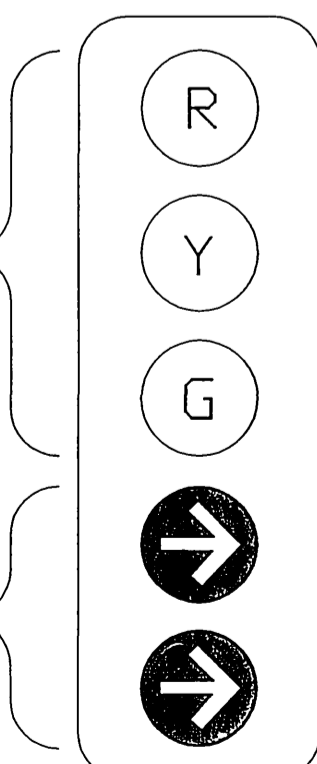


PHASE DIAGRAM



PHASE INDICATIONS

RIGHT TURN OVERLAP INDICATIONS



YELLOW ARROW

GREEN ARROW

DETAIL "A"

NO SCALE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				TRAFFIC SIGNAL		ACCT NO
APPROVED BY _____ BY _____ DATE _____				APPROVED BY _____		X-383
PRINCIPAL ENGINEER _____				DIRECTOR OF PUBLIC WORKS _____		
AS-BUILT PER TE-96-1 MAC 01/01				P.W. INSPECTION _____		SHEET 1 OF 1
MARK _____ REVISIONS _____ APPR. DATE _____				TRAFFIC DIVISION _____		
DESIGNED BY <i>BEM</i> DRAWN BY <i>BEM</i> CHECKED BY _____				CHIEF P.W. ENGR _____		FILE NAME: X383AS.DWG
				PUBLIC UTILITIES _____		
				DATE _____		SCALE: 1" = 20'

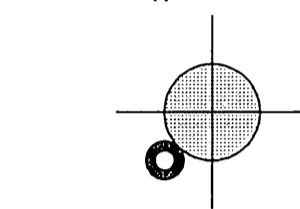
EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD TYPE	H'GHT	M.A.	LUMINAIRE M.A. H.P.S.V.	I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE	REMARKS
						VEHICLE	PEDESTRIAN	AUDIBLE		
Ⓐ	1A	10'				TV-1-T	SP-1-T	((IC))	6	
Ⓑ	1A	7'					TP-1-T	((IP))	4	
Ⓒ	1A	10'				TV-1-T	SP-1-T	((IC))	4	
Ⓓ	23-4-80	17'	35'		WELLS AVE 10000	MAS				SEE NOTE 6.
Ⓔ	18-2-80	17'	20'		HOLE AVE 10000	MAS	SV-1-T			SEE NOTE 6 & 8.
Ⓚ	18-2-80	17'	25'		WELLS AVE 10000	MAS	SV-1-T	((IP))	6	

NOTES:

- ALL VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
- TYPE 1-A STANDARDS SHALL BE ALUMINUM.
- LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.
- ((IC)) OR ((IP)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
- STRAP R32176 TO STANDARD AND SALVAGE POST.
- MOUNT SV-1-T VEHICLE HEAD A MINIMUM OF 12 FEET ABOVE SURFACE OR AS DIRECTED IN FIELD.
- LOCATION OF THE EMERGENCY PRE-EMPTION DETECTOR ON THE MAST ARM SHALL BE AS DIRECTED IN THE FIELD BY THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE.

PP #29195J



RISER DETAIL

INSTALL 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612.

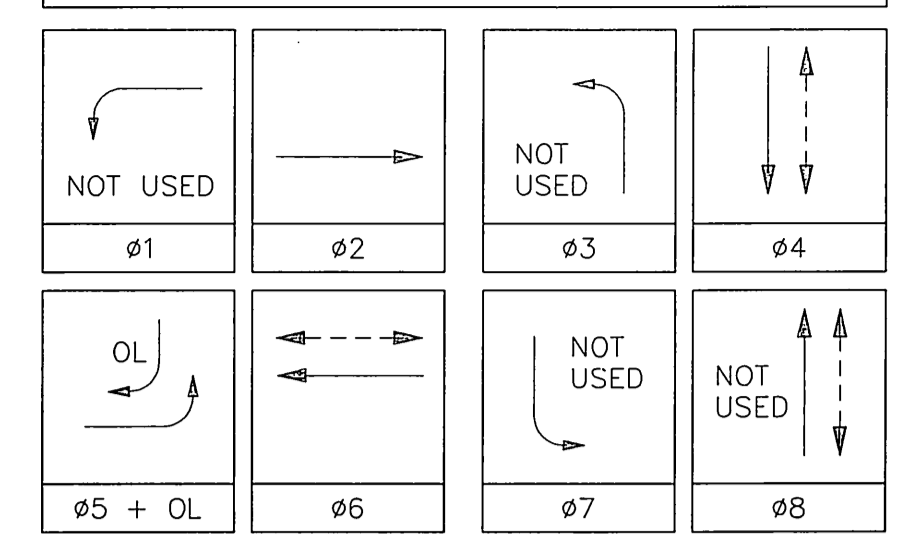
CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS																
		1	2	3	4	5	6	7	8									
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	-	1	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 1 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 2		-	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-
PHASE 3 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 4		-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
PHASE 5		-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
PHASE 6		-	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	-
PHASE 7 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHASE 8 (NOT USED)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS		-	-	-	3	3	9	6	3	3	-	-	-	-	-	-	-	-
PRE-EMPTION CABLE	4#20	-	1	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
INTERCONNECT CABLE	6-PAIR #19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I.I.S.N.S.	#12	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-	-
LUMINAIRES	#8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SIGNAL SERVICE	#6	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
CONDUIT SIZE		2"	2"	2"	3"	2-3"	2.5"	2.5"	2"									

NOTE:

SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON EMERGENCY PRE-EMPTION CABLE.

PHASE DIAGRAM



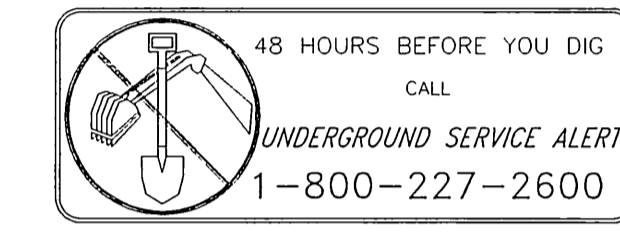
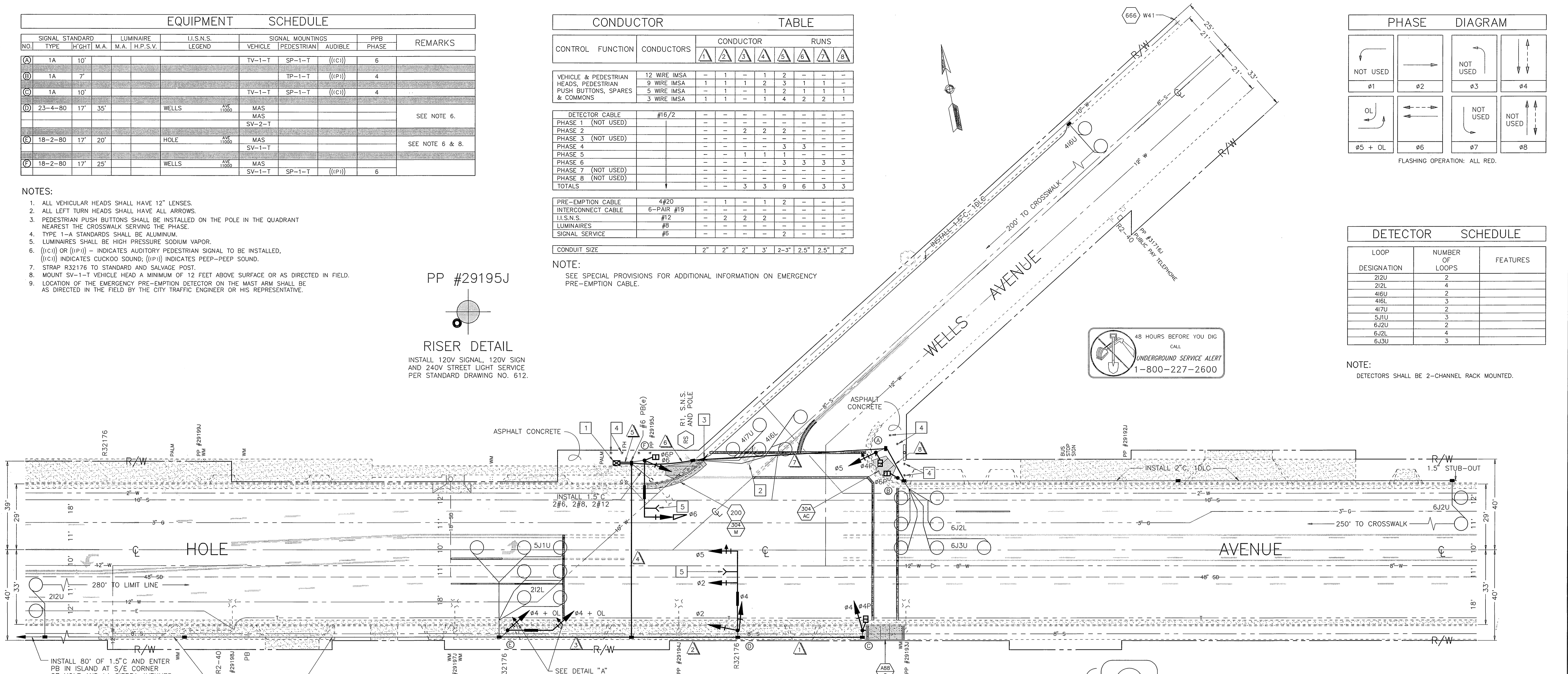
FLASHING OPERATION: ALL RED.

DETECTOR SCHEDULE

LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
212U	2	
212L	4	
416U	2	
416L	3	
417U	2	
5J1U	3	
6J2U	2	
6J2L	4	
6J3U	3	

NOTE:

DETECTORS SHALL BE 2-CHANNEL RACK MOUNTED.



CONSTRUCTION NOTES

- INSTALL MODEL 170 CONTROLLER UNIT HOUSED IN 332 CABINET.
- "STOP" PAVEMENT MARKING TO BE REMOVED BY CITY'S FORCES.
- CONSTRUCT A.C. MATCH-UP TO END OF CURB AS DIRECTED IN THE FIELD BY THE ENGINEER.
- INSTALL GUARD POSTS ON 5' CENTERS PER C/R STANDARD PLAN NO. 652.
- INSTALL TRAFFIC SIGNAL EMERGENCY PRE-EMPTION DETECTOR.
- CONSTRUCT P.C.C. CURB AND GUTTER PER C/R STANDARD DRAWING NO. 200. (6" C.F.)
- CONSTRUCT A.C. WHEELCHAIR RAMP PER C/R STANDARD DRAWING NO. 304.
- CONSTRUCT MODIFIED WHEELCHAIR RAMP PER C/R STANDARD DRAWING NO. 304.
- INSTALL SIGN PER C/R STANDARD DRAWING NUMBER 666 300' FROM CROSSWALK.
- CONSTRUCT CASE C WHEELCHAIR RAMP PER CALTRANS STD. PLAN NSP ABB.

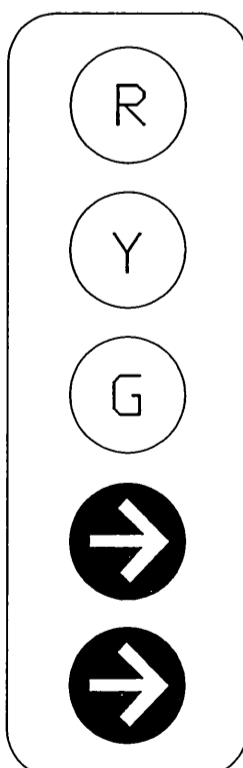
GENERAL NOTES

- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- TYPICAL DETECTOR LOOP SPACING: 10' AND 15'.
- PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY.
- ALL SIGNING, STRIPING AND PAVEMENT MARKING REQUIREMENTS, SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.

PAVEMENT DELINEATION

- FOR REFERENCE ONLY
- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.

PHASE INDICATIONS



RIGHT TURN OVERLAP INDICATIONS

- YELLOW ARROW
- GREEN ARROW

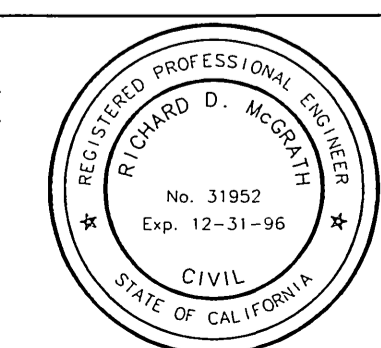
DETAIL "A"
NO SCALE

FEDERAL AID PROJECT NO. AC STPLNG-5058(29)

CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"

CONTRACT TE-96-1

ENGINEER IN RESPONSIBLE CHARGE
Richard D. McGrath
R.C.E. NO. 31952 EXPIRES 12-31-96
DATE 2-2-96



MARK	REVISIONS	APPR.	DATE

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

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
APPROVED BY:	DATE: 2/5/96
PRINCIPAL ENGINEER:	DATE: 2/5/96
P.W. INSPECTION:	DATE: 2/5/96
TRAFFIC DIVISION:	DATE: 2/5/96
CHIEF P.W. ENGR.:	DATE: 2/5/96
PUBLIC UTILITIES:	DATE: 2/5/96

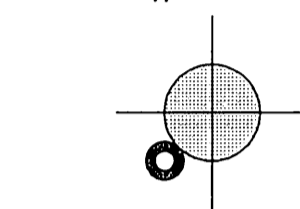
TRAFFIC SIGNAL INSTALLATION
HOLE AVENUE AND WELLS AVENUE
SCALE: 1" = 20'

ACCT. NO. 0430-541600-440125-35070
X-383
SHEET 1 OF 1
FILE NAME: X383.DWG

EQUIPMENT SCHEDULE										
NO.	SIGNAL STANDARD TYPE	H'GHT	M.A.	LUMINAIRE M.A. H.P.S.V.	I.I.S.N.S. LEGEND	SIGNAL MOUNTINGS			PPB PHASE	REMARKS
						VEHICLE	PEDESTRIAN	AUDIBLE		
Ⓐ	1A	10'				TV-1-T	SP-1-T	((IC))	6	
Ⓑ	1A	7'					TP-1-T	((IP))	4	
Ⓒ	1A	10'				TV-1-T	SP-1-T	((IC))	4	
Ⓓ	23-4-80	17'	35'		WELLS	MAS				SEE NOTE 6.
Ⓔ	18-2-80	17'	20'		HOLE	MAS	SV-1-T			SEE NOTE 6 & 8.
Ⓚ	18-2-80	17'	25'		WELLS	MAS	SV-1-T	SP-1-T	((IP))	6

- NOTES:
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 - ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
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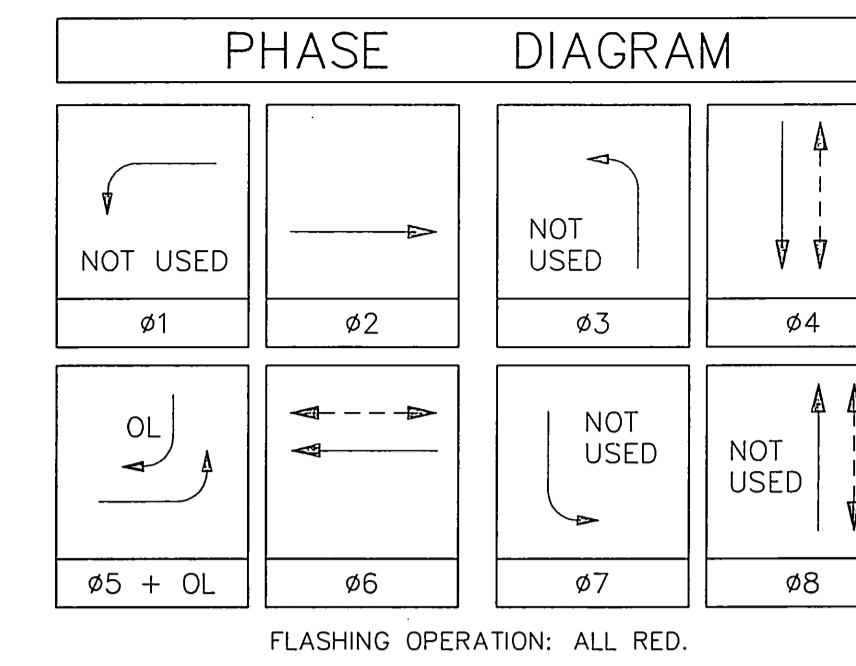
PP #29195J



RISER DETAIL
 INSTALL 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612.

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 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA	-	1	-	1	2	-	-	-
DETECTOR CABLE	#16/2	-	-	-	-	-	-	-	-
PHASE 1 (NOT USED)		-	-	-	-	-	-	-	-
PHASE 2		-	-	2	2	2	-	-	-
PHASE 3 (NOT USED)		-	-	-	-	-	-	-	-
PHASE 4		-	-	-	-	3	3	-	-
PHASE 5		-	-	1	1	1	-	-	-
PHASE 6		-	-	-	-	3	3	3	3
PHASE 7 (NOT USED)		-	-	-	-	-	-	-	-
PHASE 8 (NOT USED)		-	-	-	-	-	-	-	-
TOTALS		-	-	3	3	9	6	3	3
PRE-EMPTION CABLE	4#20	-	1	-	1	2	-	-	-
INTERCONNECT CABLE	6-PAIR #19	-	-	-	-	-	-	-	-
I.I.S.N.S.	#12	-	2	2	2	-	-	-	-
LUMINAIRES	#8	-	-	-	-	-	-	-	-
SIGNAL SERVICE	#6	-	-	-	2	-	-	-	-
CONDUIT SIZE		2"	2"	2"	3"	2-3"	2.5"	2.5"	2"

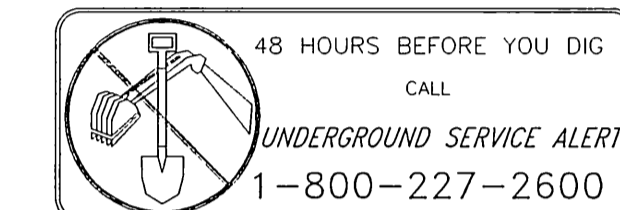
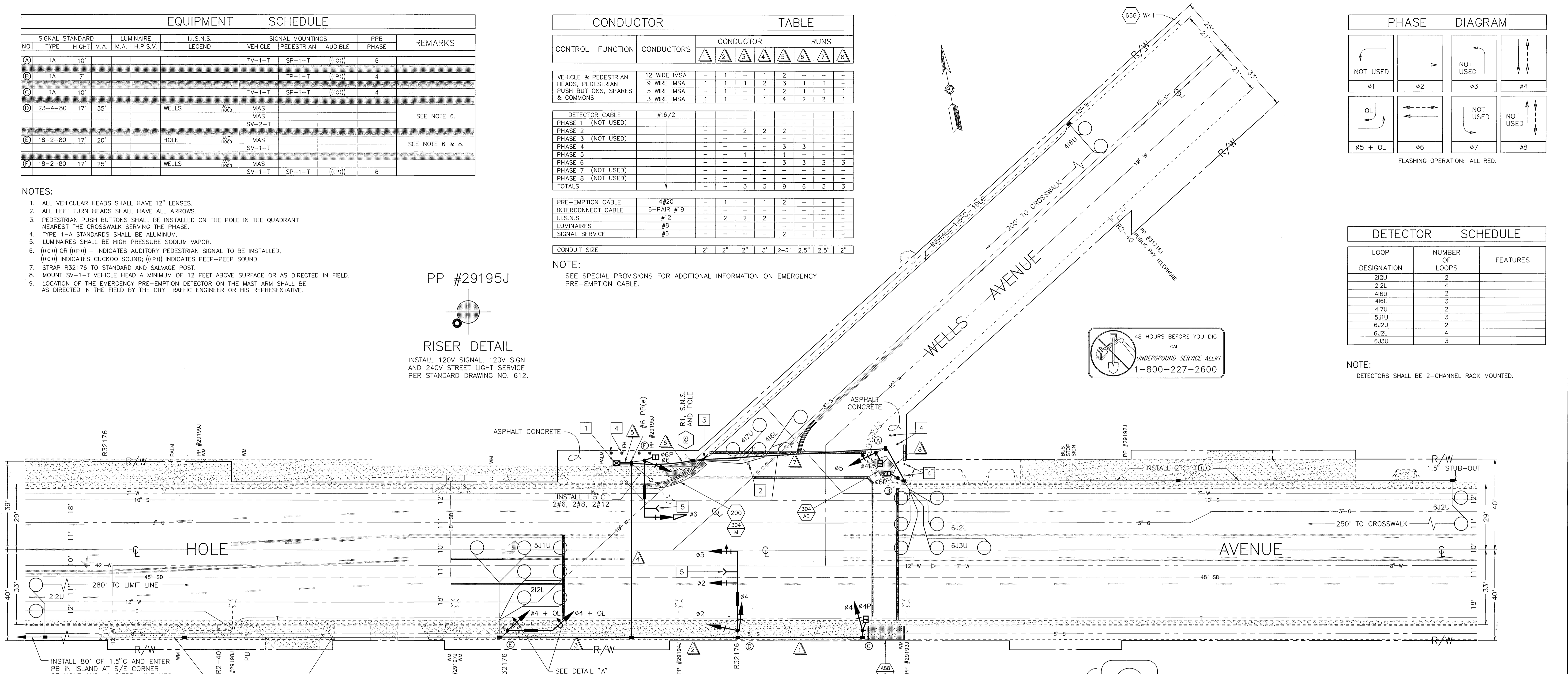
NOTE:
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FLASHING OPERATION: ALL RED.

DETECTOR SCHEDULE		
LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
212U	2	
212L	4	
416U	2	
416L	3	
417U	2	
5J1U	3	
6J2U	2	
6J2L	4	
6J3U	3	

NOTE:
 DETECTORS SHALL BE 2-CHANNEL RACK MOUNTED.



CONSTRUCTION NOTES

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- CONSTRUCT MODIFIED WHEELCHAIR RAMP PER C/R STANDARD DRAWING NO. 304.
- INSTALL SIGN PER C/R STANDARD DRAWING NUMBER 666 300' FROM CROSSWALK.
- CONSTRUCT CASE C WHEELCHAIR RAMP PER CALTRANS STD. PLAN NSP A88.

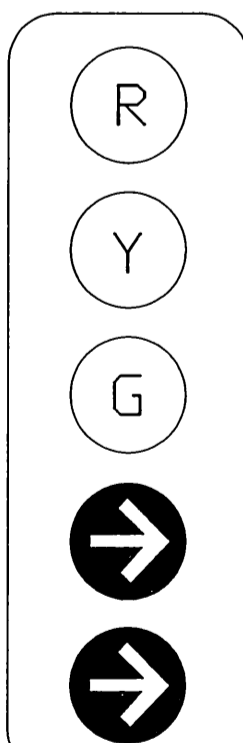
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 - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.

PHASE INDICATIONS



RIGHT TURN OVERLAP INDICATIONS

- YELLOW ARROW
- GREEN ARROW

DETAIL "A"
 NO SCALE

FEDERAL AID PROJECT NO. AC STPLNG-5058(29)

CONTRACTOR'S LICENSE REQUIREMENTS "A" OR "C-10"

CONTRACT TE-96-1

<p>ENGINEER IN RESPONSIBLE CHARGE RICHARD D. McGRATH R.C.E. NO. 31952 EXPIRES 12-31-96 DATE 2-2-96</p>	<p>DESIGNED BY <i>Ban</i> DRAWN BY <i>B.M.M.</i> CHECKED BY <i>Jed</i></p>	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	TRAFFIC SIGNAL INSTALLATION HOLE AVENUE AND WELLS AVENUE	ACCT. NO. 0430-541600-440125-35070 X-383 SHEET 1 OF 1 FILE NAME: X383.DWG
		APPROVED BY: <i>[Signature]</i> DATE: 2/5/96 PRINCIPAL ENGINEER: <i>[Signature]</i> DATE: 2/5/96 P.W. INSPECTION: <i>[Signature]</i> DATE: 2/5/96 TRAFFIC DIVISION: <i>[Signature]</i> DATE: 2/5/96 CHIEF P.W. ENGR.: <i>[Signature]</i> DATE: 2/5/96 PUBLIC UTILITIES: <i>[Signature]</i> DATE: 2/5/96	APPROVED BY: <i>[Signature]</i> DATE: 2/5/96 DIRECTOR OF PUBLIC WORKS	SCALE: 1" = 20'