

CONDUIT AND CONDUCTOR SCHEDULE																		
A.W.G.	PHASE	CIRCUIT	RUN															
			1	2*	3	4	5	6	7	8	9*	10	11	12	13	14	15	16
1	Signal		3	3						3		3		3				
2	Signal							3	3			3		3				
3	Signal		3						6	3			3		3			
4	Signal		3						3			3		3				
5	Signal		3						6	3	6	3		3				
6	Signal		3							3		3	3	9	9	3	3	
7	Signal		3						6	3			3		3			
8	Signal									3			3		3			
No. 14	2p	Signal			2	2	2	2			2		2		2			
	4p	Signal	2		2	2	2	2	2		4		6	6	2	2	2	
	6p	Signal											4	4	2	2		
	8p	Signal					2	2			2	2	4	4				
	2p	PPB			1	1	1	2					1	1	1			
	4p	PPB	1		1	1	1	1	1		2		3	3	1	1	1	
	6p	PPB											1	1	1	1		
	8p	PPB						1	2				1	1	2			
		PPB Common	1		1	1	1	1	1			1	1	3	3	1	1	
		Spares	3	3	3	3	3	3	3	3	3	6	3	12	12	3	3	
TOTAL			25	6	7	10	10	16	39	25	9	43	10	68	68	13	13	10
No. 10	Signal Common		1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	
1	Loop Detector									2	2		2	2				
2	Loop Detector		1	1	1	1	1	1	2		3		3	3				
3	Loop Detector							1	1	1			1	1				
4	Loop Detector												2	2	2	1		
5	Loop Detector		2						2		2		2	2				
6	Loop Detector							1			1	2	3	3				
7	Loop Detector											1	1	1				
8	Loop Detector					3	3	3			3		3	3				
TOTAL			1	3	1	1	5	5	6	4	2	12	2	17	17	3	1	
No. 8	Service Luminaire													2				
TOTAL			2		2	2	2	2	2		2		2	2	4			
CONDUIT SIZE																		
NEW			2"															
EXISTING			2" - 1.5" 1.5" 2" 2" 2@2" 2.5" - 3.5" 1.5 2.5" 2.5" 2.5" 2" 1.5"															

*For Runs No. 2 and 9, install new conduit and reuse the existing conductors and cables. All conductors and cables are existing and are to be reused.

SIGNAL AND POLE SCHEDULE								
LOCATION	SIGNAL STANDARD Type	SIGNAL Mast Arm	LUMINAIRE Mast Arm	VEHICLE SIGNAL Pole	MOUNTING		PEDESTRIAN SIGNAL MOUNTING	PEDESTRIAN PUSH BUTTON PHASE
					Interior Mast Arm	End Mast Arm		
A	I (7')						TP-1	4p
B	XXI		12'				SP-1-T	2p
C	I (7')						TP-1	2p
D	19-3-80	30'	15'	SV-1-T		MAS	SP-1-T	8p
E	XXIII	35'		SV-4-TB(N)	MAS	MAS	SP-2-T	8p
F	I (N)			TV-1-T (N)				
G	I			TV-1			SP-1-T	8p
H	XVII		12'				SP-1-T	6p
I	I (7')						TP-1	6p
J	XXIV-A	35'	12'	SV-4-TB(N)	MAS	MAS	SP-2-T (N)	4p
K	I (R)			TV-1-T (N)				
L	I			TV-1			SP-1-T	4p

Equipment not shown as new (N) or relocated (R) is existing and is to remain in place.

NOTES

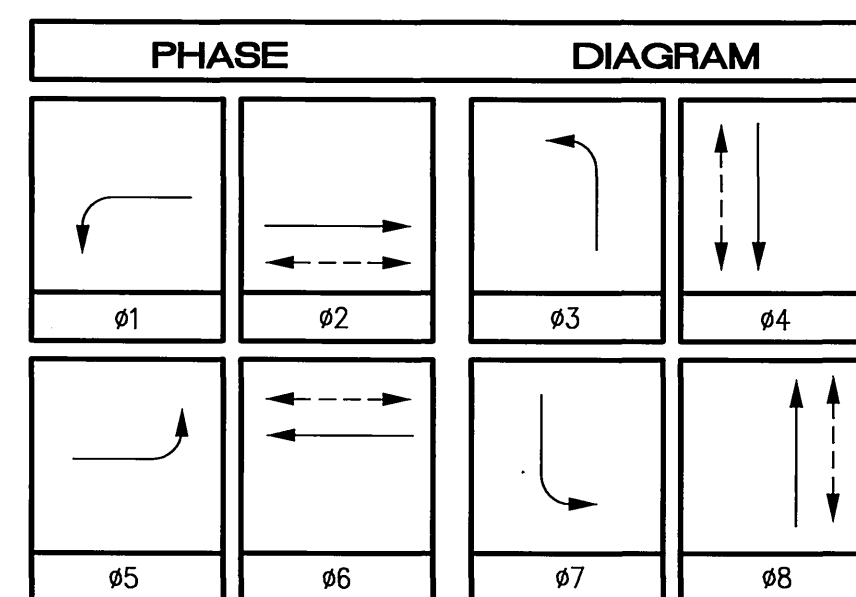
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT AND SHALL PERFORM ALL LABOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, DATED JANUARY 1988, AND STANDARD PLANS, DATED JANUARY 1988, UNLESS NOTED OTHERWISE ON THE PLAN.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, PUBLIC OR PRIVATE, AND TO PROTECT THEM FROM DAMAGE. AT LEAST TWO WORKING DAYS BEFORE THE START OF EXCAVATION, THE CONTRACTOR SHALL REQUEST UTILITY LOCATIONS FROM UNDERGROUND SERVICE ALERT (TELEPHONE 800/422-4133). THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE INSTALLATION LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO INSTALLATION.
- THE EXISTING TRAFFIC SIGNAL SHALL BE KEPT IN OPERATION IN CONFORMANCE WITH THE REQUIREMENTS OF SECTION 86-1.05, "MAINTAINING EXISTING AND TEMPORARY ELECTRICAL SYSTEMS," OF THE STANDARD SPECIFICATIONS. SIGNAL SHUTDOWN WILL BE PERMITTED ONLY BETWEEN THE HOURS OF 8:30 A.M. AND 3:30 P.M. ON WEEKDAYS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS IN ADVANCE OF SIGNAL SHUTDOWN.
- THE EXISTING 8-PHASE TYPE 80, CONTROLLER ASSEMBLY SHALL REMAIN IN PLACE. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE ADDITIONAL LOOP DETECTOR AMPLIFIER EACH FOR PHASE 1 AND PHASE 5.
- DETECTOR LOOPS SHALL BE CENTERED IN THE LANE AND SHALL BE 6 FEET BY 6 FEET, SPACED 10 FEET APART, UNLESS OTHERWISE INDICATED. THE FIRST LOOP SHALL BE INSTALLED IN ADVANCE OF THE CROSSWALK.
- ALL SIGNAL EQUIPMENT TO BE SALVAGED SHALL BE DELIVERED TO THE CITY OF RIVERSIDE MAINTENANCE YARD AT 3870 MULBERRY STREET, RIVERSIDE, CALIFORNIA.
- AT LOCATION E, INSTALL A NEW PHASE 1 VEHICLE SIGNAL HEAD WITH 12-INCH RED ARROW, YELLOW ARROW, AND GREEN ARROW SECTIONS. MODIFY THE EXISTING FRAMEWORK TO ACCOMMODATE THE NEW VEHICLE SIGNAL HEAD.
- AT LOCATION E, SALVAGE THE EXISTING TYPE 1, 7-FOOT STANDARD. SALVAGE THE EXISTING LEFT-TURN VEHICLE SIGNAL HEAD AND MOUNTING AND THE EXISTING PEDESTRIAN PUSH BUTTON. ON THE NEW TYPE 1 STANDARD, INSTALL A NEW PHASE 5 VEHICLE SIGNAL HEAD WITH 12-INCH RED ARROW, YELLOW ARROW, AND GREEN ARROW SECTIONS.
- AT LOCATION J, INSTALL A NEW PHASE 5 VEHICLE SIGNAL HEAD WITH 12-INCH RED ARROW, YELLOW ARROW, AND GREEN ARROW SECTIONS. MODIFY THE EXISTING FRAMEWORK TO ACCOMMODATE THE NEW VEHICLE SIGNAL HEAD. INSTALL ON A NEW MOUNTING, THE EXISTING PEDESTRIAN SIGNAL HEAD RELOCATED FROM LOCATION K.
- AT LOCATION K, RELOCATE THE EXISTING TYPE 1 STANDARD TO THE NEW ISLAND. INSTALL A NEW PHASE 1 VEHICLE SIGNAL HEAD WITH 12-INCH RED ARROW, YELLOW ARROW, AND GREEN ARROW SECTIONS. SALVAGE THE EXISTING LEFT-TURN VEHICLE SIGNAL HEAD AND MOUNTING. SALVAGE THE EXISTING PEDESTRIAN PUSH BUTTON AND INSTALL A GALVANIZED STEEL COVER PLATE AND GASKET OVER THE HOLE LEFT DUE TO THE REMOVAL OF THE PUSH BUTTON. RELOCATE THE EXISTING PEDESTRIAN SIGNAL HEAD TO LOCATION J.
- REMOVE THE EXISTING PULL BOX AND INSTALL A NEW NO. 5 PULL BOX WITH TRAFFIC COVER IN ACCORDANCE WITH CALTRANS STANDARD PLAN NO. ES-8. CONDUITS SHALL BE ADJUSTED TO BELOW GRADE AS APPROVED BY THE CITY TRAFFIC ENGINEER.
- ALL NEW SIGNS, STRIPES, AND MARKINGS, AND ALL REMOVALS SHALL BE DONE BY THE CONTRACTOR.
- DONALD FRISCHER & ASSOCIATES ASSUMES RESPONSIBILITY FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THIS PLAN. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, DONALD FRISCHER & ASSOCIATES SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE CITY.
- A STREET OPENING PERMIT, ISSUED BY THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT, IS REQUIRED FOR THIS WORK.
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL SIGNS, STRIPES, AND PAVEMENT MARKINGS SHALL BE COMPLETED PRIOR TO OPENING THE LEFT-TURN LANES TO PUBLIC TRAFFIC.
- SEE MEDIAN ISLAND RECONSTRUCTION PLAN R-289 FOR MEDIAN RECONSTRUCTION.

INDEXED 8-15-88 LH

DONALD FRISCHER & ASSOCIATES TRAFFIC AND TRANSPORTATION ENGINEERS AND PLANNERS 14431 HAMLIN STREET VAN NUYS, CALIFORNIA 91401 818/785-1578 213/873-1578 PLAN PREPARED UNDER THE SUPERVISION OF: <i>Donald Frischer</i> 5/19/88 DONALD FRISCHER, REGISTERED CIVIL ENGINEER NO. 9141 DATE		CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		TRAFFIC SIGNAL MODIFICATION PLAN MAGNOLIA AVENUE AND LA SIERRA AVENUE		ACCOUNT NO. X-325
		APPROVED BY PRINCIPAL ENGINEER <i>[Signature]</i> PARK DEPARTMENT TRAFFIC DIVISION CHIEF P. W. ENGINEER <i>[Signature]</i> PUBLIC UTILITIES	APPROVED BY <i>[Signature]</i> PUBLIC WORKS DIRECTOR DATE <i>7/1/88</i>	REVISIONS APPR DATE DESIGNED BY <i>8/8</i> DRAWN BY <i>T.K.</i> CHECKED BY <i>[Signature]</i>	SCALE:	SHEET <i>1</i> OF <i>2</i>

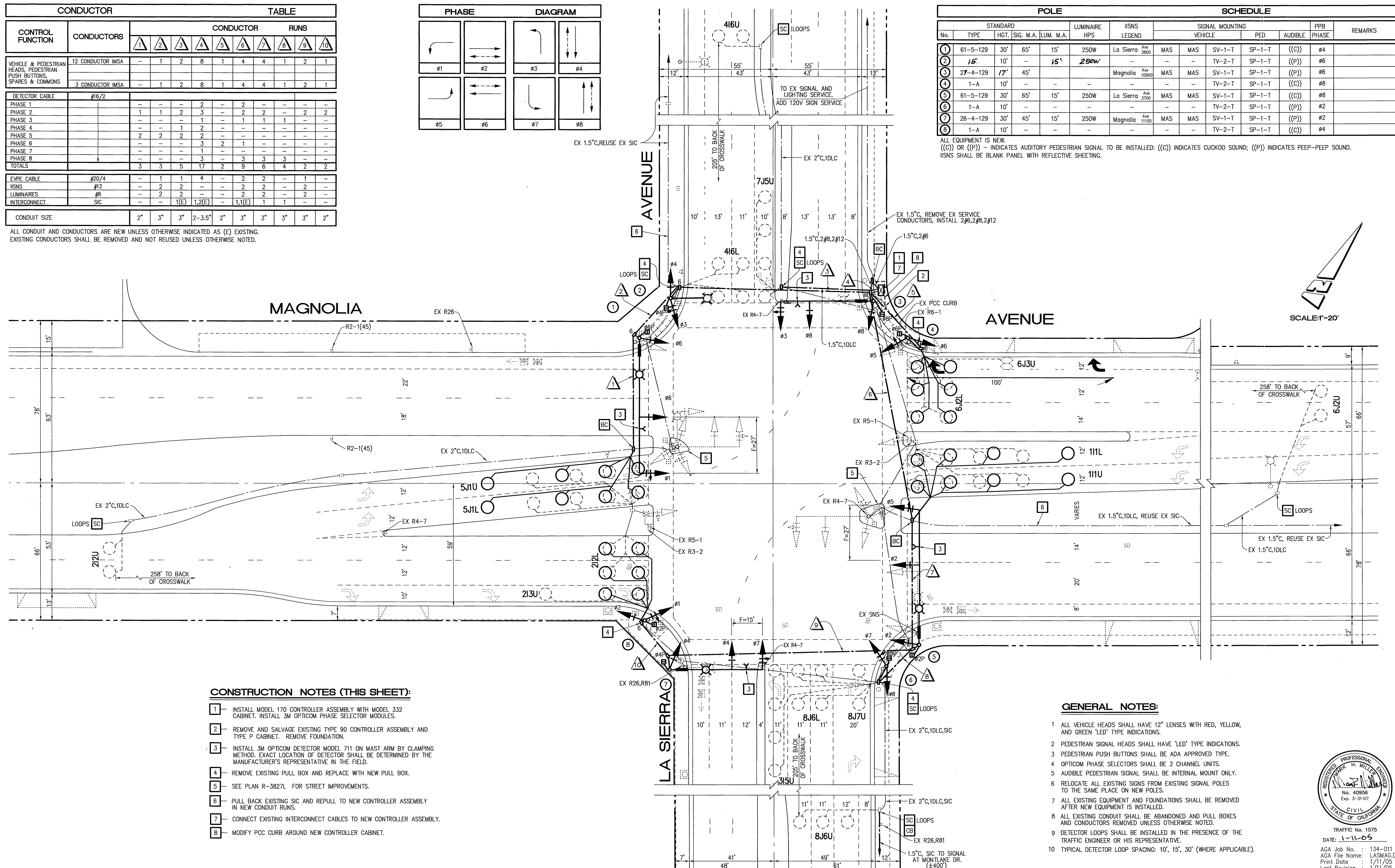
CONDUCTOR		TABLE																			
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS																			
		1	2	3	4	5	6	7	8	9	10										
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA	-	1	2	8	1	4	4	1	2	1										
DETECTOR CABLE	#16/2	-	-	-	2	-	2	-	-	-	-										
PHASE 1		-	-	-	2	-	2	-	-	-	-										
PHASE 2		1	1	2	3	-	2	2	-	2	2										
PHASE 3		-	-	-	1	-	-	1	1	1	-										
PHASE 4		-	-	1	2	-	-	-	-	-	-										
PHASE 5		2	2	2	2	-	-	-	-	-	-										
PHASE 6		-	-	-	3	2	1	-	-	-	-										
PHASE 7		-	-	-	1	-	-	-	-	-	-										
PHASE 8		-	-	-	3	2	1	-	-	-	-										
TOTALS		3	3	5	17	2	9	6	4	2	2										
EVPE CABLE	#20/4	-	1	1	4	-	2	2	-	1	-										
IISNS	#12	-	2	2	-	-	2	2	-	2	-										
LUMINAIRES	#8	-	2	2	-	-	2	2	-	2	-										
INTERCONNECT	SIC	-	-	1(E)	1,2(E)	-	1,1(E)	1	1	-	-										
CONDUIT SIZE		2"	3"	3"	2-3.5"	2"	3"	3"	3"	3"	2"										

ALL CONDUIT AND CONDUCTORS ARE NEW UNLESS OTHERWISE INDICATED AS (E) EXISTING. EXISTING CONDUCTORS SHALL BE REMOVED AND NOT REUSED UNLESS OTHERWISE NOTED.



No.	TYPE	HGT.	SIG. M.A.	LUM. M.A.	LUMINAIRE HPS	IISNS LEGEND	SIGNAL MOUNTING				PPB PHASE	REMARKS	
							VEHICLE	PED	AUDIBLE	PHASE			
1	61-5-129	30'	65'	15'	250W	La Sierra Ave 3800	MAS	MAS	SV-1-T	SP-1-T	((C))	ø4	
2	15'	10'	-	15'	250W	-	-	TV-2-T	SP-1-T	((P))	ø6		
3	27-4-129	17'	45'	-	-	Magnolia Ave 10900	MAS	MAS	SV-1-T	SP-1-T	((P))	ø6	
4	1-A	10'	-	-	-	-	-	TV-2-T	SP-1-T	((C))	ø8		
5	61-5-129	30'	65'	15'	250W	La Sierra Ave 3700	MAS	MAS	SV-1-T	SP-1-T	((C))	ø8	
6	1-A	10'	-	-	-	-	-	TV-2-T	SP-1-T	((P))	ø2		
7	26-4-129	30'	45'	15'	250W	Magnolia Ave 11100	MAS	MAS	SV-1-T	SP-1-T	((P))	ø2	
8	1-A	10'	-	-	-	-	-	TV-2-T	SP-1-T	((C))	ø4		

ALL EQUIPMENT IS NEW.
 ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED: ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
 IISNS SHALL BE BLANK PANEL WITH REFLECTIVE SHEETING.



CONSTRUCTION NOTES (THIS SHEET):

- 1 - INSTALL MODEL 170 CONTROLLER ASSEMBLY WITH MODEL 332 CABINET. INSTALL 3M OPTICOM PHASE SELECTOR MODULES.
- 2 - REMOVE AND SALVAGE EXISTING TYPE 90 CONTROLLER ASSEMBLY AND TYPE P CABINET. REMOVE FOUNDATION.
- 3 - INSTALL 3M OPTICOM DETECTOR MODEL 711 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR SHALL BE DETERMINED BY THE MANUFACTURER'S REPRESENTATIVE IN THE FIELD.
- 4 - REMOVE EXISTING PULL BOX AND REPLACE WITH NEW PULL BOX.
- 5 - SEE PLAN R-3827L FOR STREET IMPROVEMENTS.
- 6 - PULL BACK EXISTING SIC AND REPULL TO NEW CONTROLLER ASSEMBLY IN NEW CONDUIT RUNS.
- 7 - CONNECT EXISTING INTERCONNECT CABLES TO NEW CONTROLLER ASSEMBLY.
- 8 - MODIFY PCC CURB AROUND NEW CONTROLLER CABINET.

GENERAL NOTES:

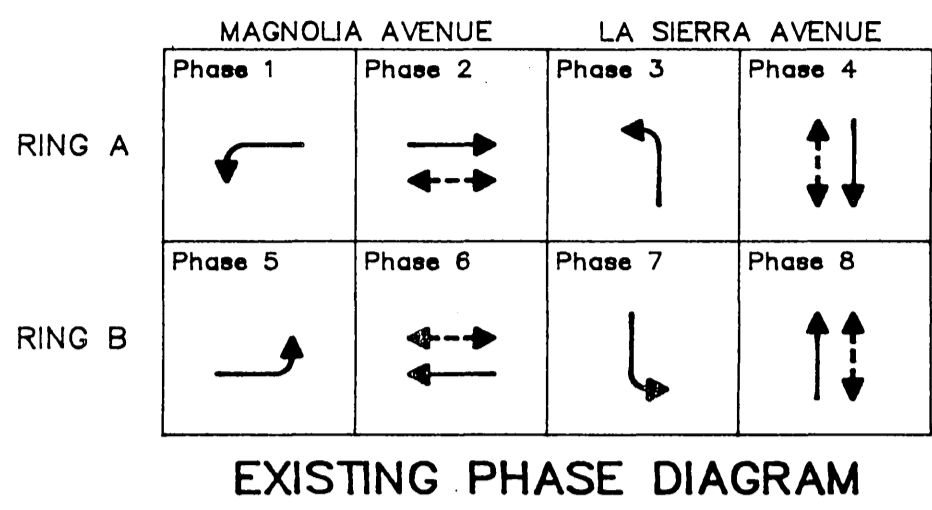
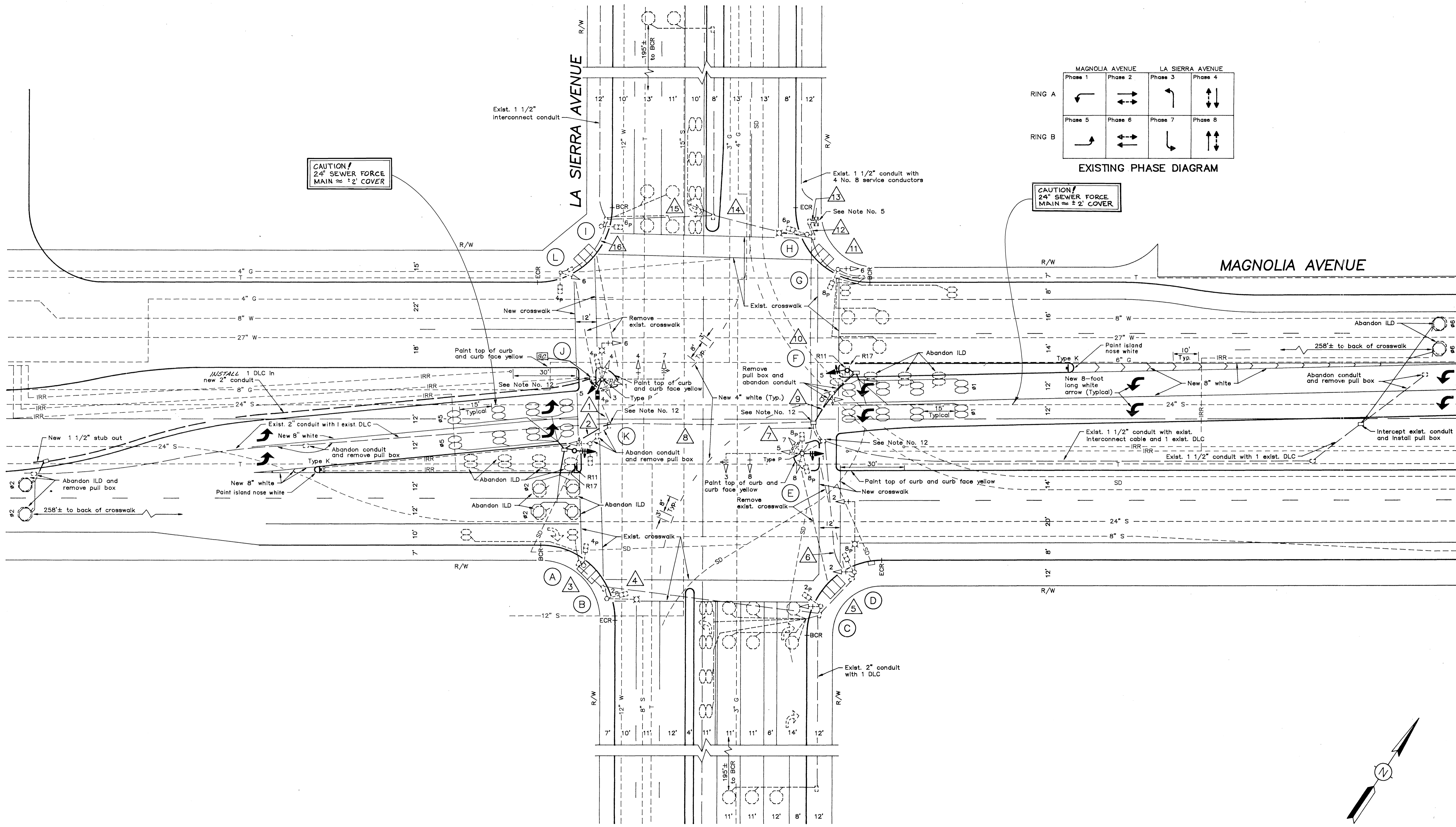
- 1 ALL VEHICLE HEADS SHALL HAVE 12" LENSES WITH RED, YELLOW, AND GREEN 'LED' TYPE INDICATIONS.
- 2 PEDESTRIAN SIGNAL HEADS SHALL HAVE 'LED' TYPE INDICATIONS.
- 3 PEDESTRIAN PUSH BUTTONS SHALL BE ADA APPROVED TYPE.
- 4 OPTICOM PHASE SELECTORS SHALL BE 2 CHANNEL UNITS.
- 5 AUDIBLE PEDESTRIAN SIGNAL SHALL BE INTERNAL MOUNT ONLY.
- 6 RELOCATE ALL EXISTING SIGNS FROM EXISTING SIGNAL POLES TO THE SAME PLACE ON NEW POLES.
- 7 ALL EXISTING EQUIPMENT AND FOUNDATIONS SHALL BE REMOVED AFTER NEW EQUIPMENT IS INSTALLED.
- 8 ALL EXISTING CONDUIT SHALL BE ABANDONED AND PULL BOXES AND CONDUCTORS REMOVED UNLESS OTHERWISE NOTED.
- 9 DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- 10 TYPICAL DETECTOR LOOP SPACING: 10', 15', 30' (WHERE APPLICABLE).



CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		TRAFFIC SIGNAL PLANS		ACCOUNT NO. X-325A
APPROVED BY PRINCIPAL ENGINEER TRAFFIC DIVISION C.C.A.	DATE 6/23/05	APPROVED BY CITY ENGINEER	DATE 6/23/05	SHEET 1 OF 1
DESIGNED BY: JAT DRAWN BY: DMS CHECKED BY: JAT		HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = -		

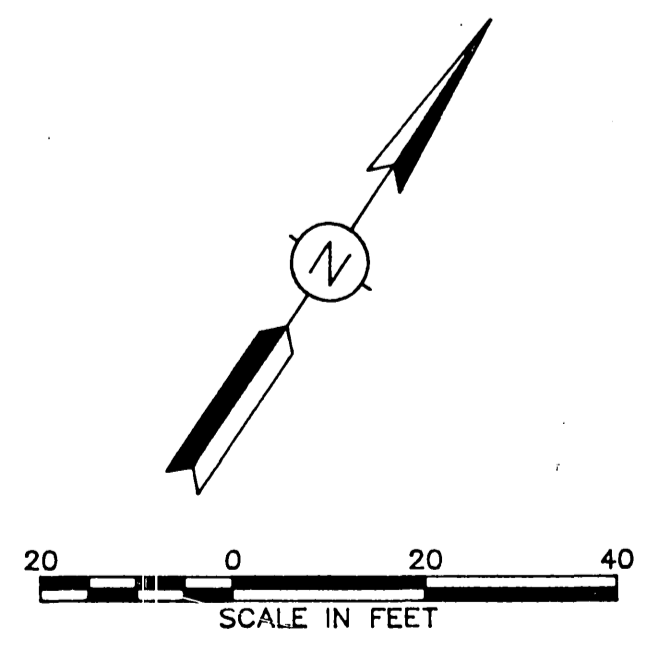


TRAFFIC No. 1575
 DATE: 1-11-05
 AGA Job No.: 134-011
 AGA File Name: LASMAG.DWG
 Print Date: 1/11/05
 Last Revision: 1/11/05



CAUTION!
24" SEWER FORCE
MAIN ≈ 2' COVER

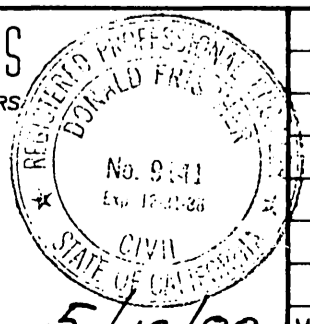
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MAIN ≈ 2' COVER



INDEXED 8-15-88 4H

DONALD FRISCHER & ASSOCIATES
TRAFFIC AND TRANSPORTATION - ENGINEERS AND PLANNERS
14431 HAMLIN STREET
VAN NUYS, CALIFORNIA 91401
818/785-1578 213/873-1578

PLAN PREPARED UNDER THE SUPERVISION OF:
Donald Frischer 5/19/88
DONALD FRISCHER, REGISTERED CIVIL ENGINEER NO. 9141 DATE



MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	APPROVED BY
PRINCIPAL ENGINEER 7-2-88	<i>Barry Bond</i>
PARK DEPARTMENT	PUBLIC WORKS DIRECTOR
TRAFFIC DIVISION	CHIEF P. W. ENGINEER 7-8
PUBLIC UTILITIES	DATE 7/11/88

TRAFFIC SIGNAL MODIFICATION PLAN
**MAGNOLIA AVENUE
AND
LA SIERRA AVENUE**

SCALE: 1" = 20'

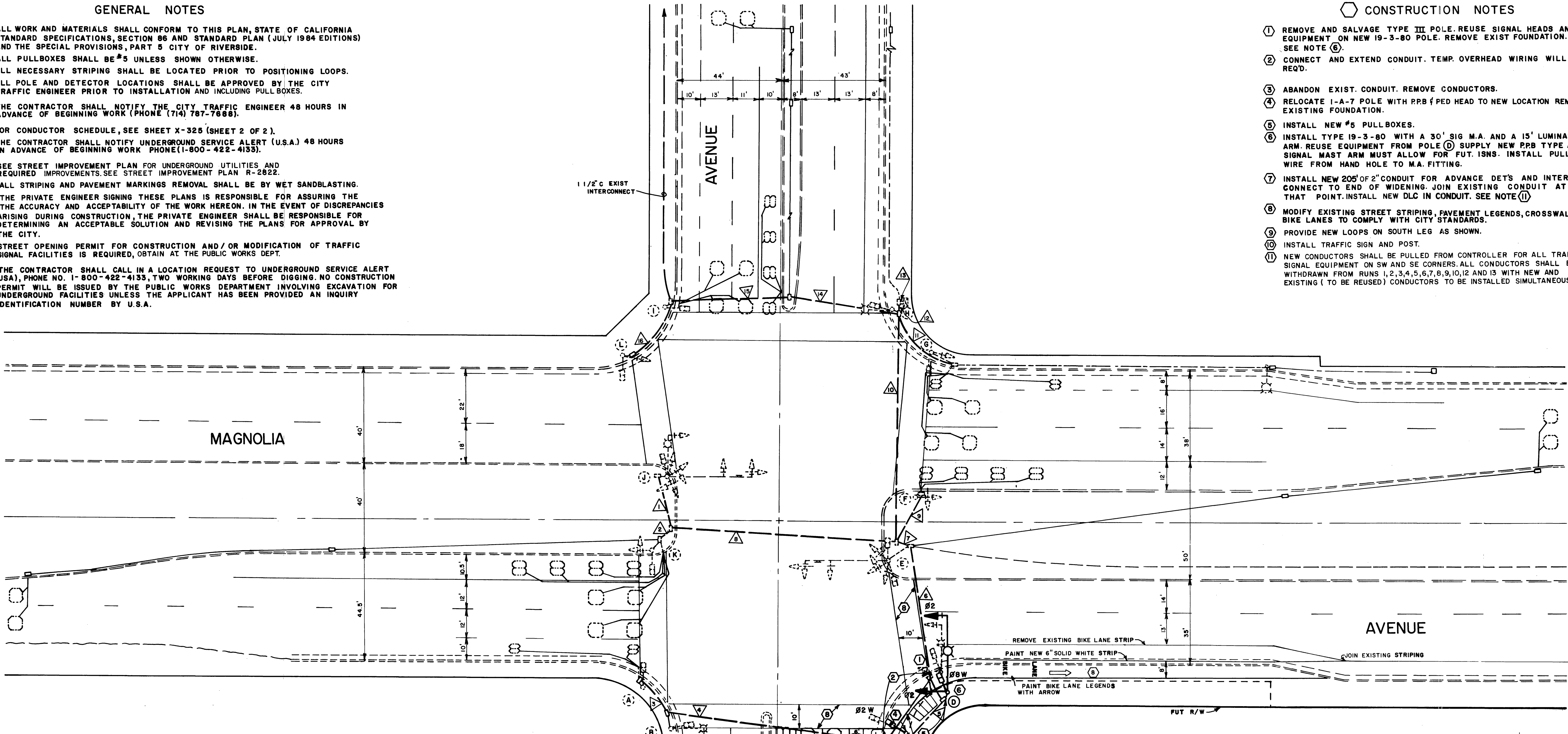
ACCOUNT NO.
X-325
SHEET 2 OF 2
FILE NO.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THIS PLAN, STATE OF CALIFORNIA STANDARD SPECIFICATIONS, SECTION 86 AND STANDARD PLAN (JULY 1984 EDITIONS) AND THE SPECIAL PROVISIONS, PART 5 CITY OF RIVERSIDE.
2. ALL PULLBOXES SHALL BE #5 UNLESS SHOWN OTHERWISE.
3. ALL NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS.
4. ALL POLE AND DETECTOR LOCATIONS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION AND INCLUDING PULL BOXES.
5. THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER 48 HOURS IN ADVANCE OF BEGINNING WORK (PHONE (714) 787-7666).
6. FOR CONDUCTOR SCHEDULE, SEE SHEET X-325 (SHEET 2 OF 2).
7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF BEGINNING WORK (PHONE (1-800-422-4133)).
8. SEE STREET IMPROVEMENT PLAN FOR UNDERGROUND UTILITIES AND REQUIRED IMPROVEMENTS. SEE STREET IMPROVEMENT PLAN R-2822.
9. ALL STRIPING AND PAVEMENT MARKINGS REMOVAL SHALL BE BY WET SANDBLASTING.
10. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. 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.
11. STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES IS REQUIRED, OBTAIN AT THE PUBLIC WORKS DEPT.
12. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-422-4133, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.

CONSTRUCTION NOTES

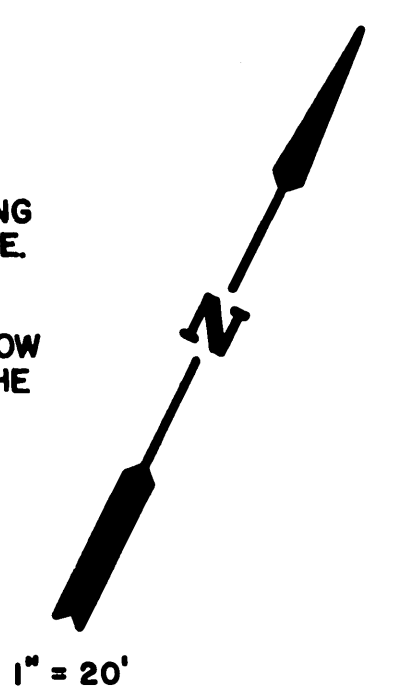
- ① REMOVE AND SALVAGE TYPE III POLE. REUSE SIGNAL HEADS AND EQUIPMENT ON NEW 19-3-80 POLE. REMOVE EXIST FOUNDATION. SEE NOTE ⑥.
- ② CONNECT AND EXTEND CONDUIT. TEMP. OVERHEAD WIRING WILL BE REQ'D.
- ③ ABANDON EXIST. CONDUIT. REMOVE CONDUCTORS.
- ④ RELOCATE 1-A-7 POLE WITH RPB & PED HEAD TO NEW LOCATION REMOVE EXISTING FOUNDATION.
- ⑤ INSTALL NEW #5 PULLBOXES.
- ⑥ INSTALL TYPE 19-3-80 WITH A 30' SIG M.A. AND A 15' LUMINAIRE ARM. REUSE EQUIPMENT FROM POLE ① SUPPLY NEW RPB TYPE A. SIGNAL MAST ARM MUST ALLOW FOR FUT. ISNS. INSTALL PULL WIRE FROM HAND HOLE TO M.A. FITTING.
- ⑦ INSTALL NEW 205' OF 2" CONDUIT FOR ADVANCE DET'S AND INTER-CONNECT TO END OF WIDENING. JOIN EXISTING CONDUIT AT THAT POINT. INSTALL NEW DLC IN CONDUIT. SEE NOTE ⑩.
- ⑧ MODIFY EXISTING STREET STRIPING, PAVEMENT LEGENDS, CROSSWALKS & BIKE LANES TO COMPLY WITH CITY STANDARDS.
- ⑨ PROVIDE NEW LOOPS ON SOUTH LEG AS SHOWN.
- ⑩ INSTALL TRAFFIC SIGN AND POST.
- ⑪ NEW CONDUCTORS SHALL BE PULLED FROM CONTROLLER FOR ALL TRAFFIC SIGNAL EQUIPMENT ON SW AND SE CORNERS. ALL CONDUCTORS SHALL BE WITHDRAWN FROM RUNS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12 AND 13 WITH NEW AND EXISTING (TO BE REUSED) CONDUCTORS TO BE INSTALLED SIMULTANEOUSLY.



POLE AND SIGNAL SCHEDULE						
LOCATION	STANDARD	LUMINAIRE	SIGNALS			WALK-DONT WALK
			TYPE	MTG	LEN SIZE	TYPE MTG
A	7' TYPE I					1-W2C W-1
B	TYPE XXXI	280W HPSV				1-W2C W-0
C	7' TYPE I					1-W2C W-1
D	19-3-80 30' S.M.A. 15' LUM.A					
E	TYPE XXXII		3-W3C M-2	B-4	7-6" 2-12" 3-12" GA 3-12"	2-W2C W-5
F	7' TYPE I		1-W3C B-1	B-1	2-6" GA 1-12" GA	
G	TYPE I		1-W3C A-1	3-8"		1-W2C W-1
H	TYPE XXXI	250W HPSV				1-W2C W-0
I	7' TYPE I					1-W2C W-1
J	TYPE XXXI SPECIAL	280W HPSV	3-W3C M-2	B-4	7-6" 12" 3-12" GA 3-12" 3-12" 3-12"	1-W2C W-0
K	TYPE I		1-W3C B-1	B-1	2-6" GA 1-12" GA	1-W2C W-1
L	TYPE I		1-W3C A-1	3-8"		1-W2C W-0

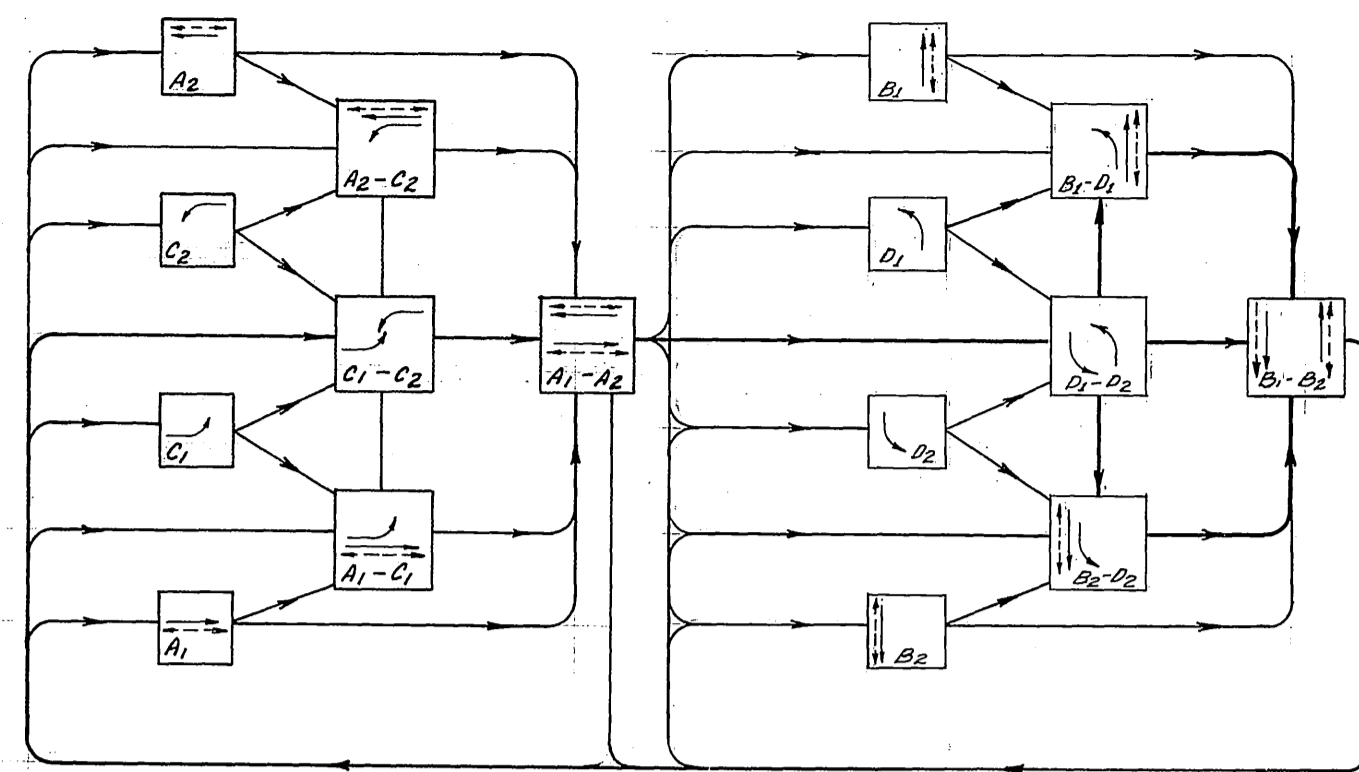
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF RIVERSIDE IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

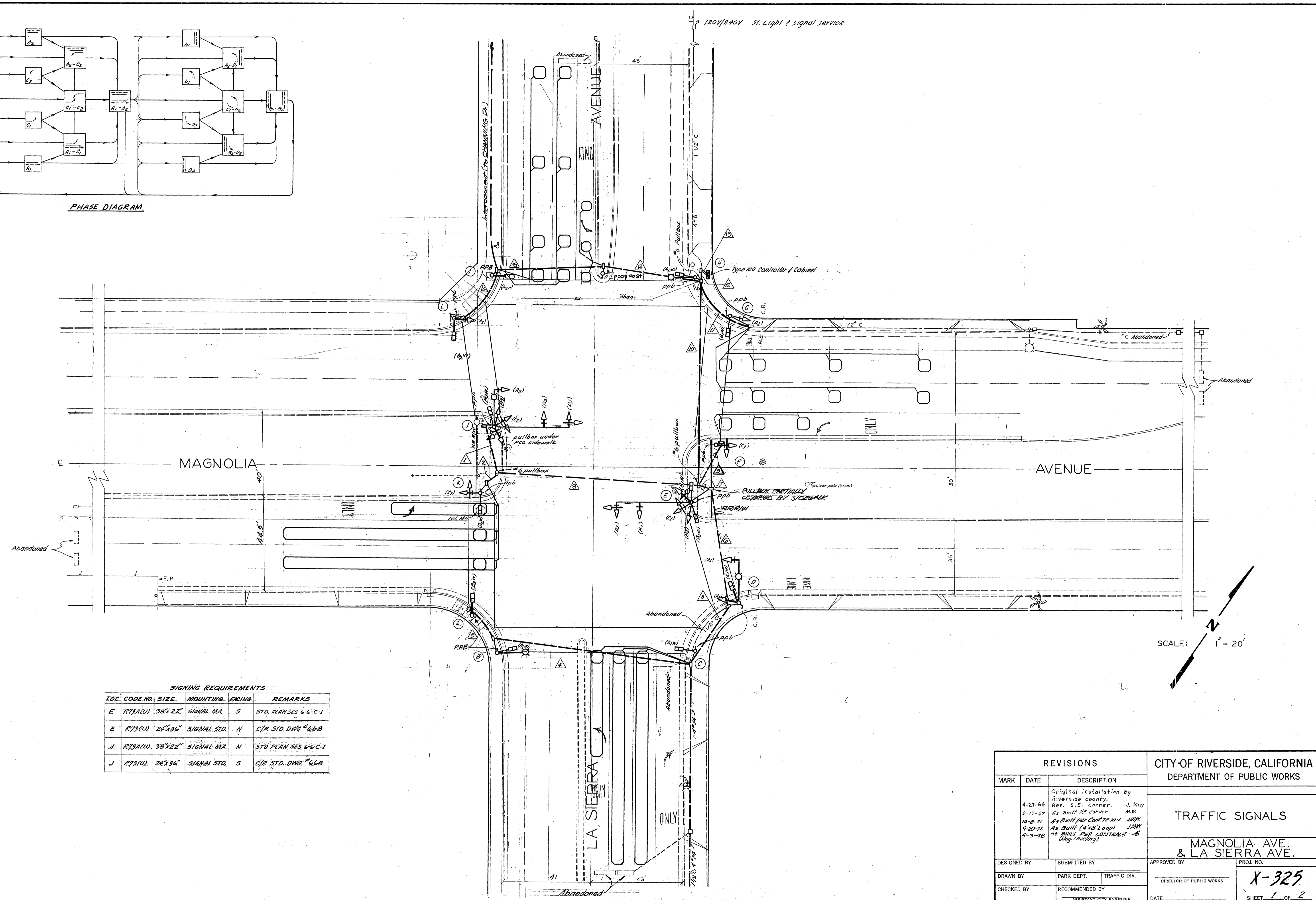


* REVISED THIS PROJECT

<p>PREPARED BY: JUSTIN F. FARMER</p> <p>TRANSPORTATION ENGINEERS INC. 207 S. BREA BLVD. BREA, CALIFORNIA 92621 (714) 671-0226</p>	<p>CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: PRINCIPAL ENGINEER: <i>[Signature]</i> TRAFFIC DIVISION: <i>[Signature]</i> P.W. ENGINEER: <i>[Signature]</i></p> <p>APPROVED BY: DEPUTY PUBLIC WORKS DIRECTOR: <i>[Signature]</i></p> <p>DATE: 4-8-87</p>	<p>TRAFFIC SIGNAL MODIFICATION MAGNOLIA AVE. LA SIERRA AVE.</p> <p>SCALE: 1" = 20'</p>	<p>ACCOUNT NO. X-325</p> <p>SHEET 1 OF 2</p> <p>FILE NO.</p>
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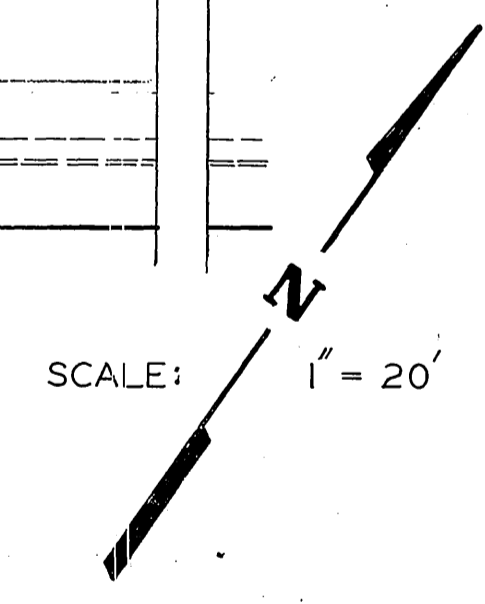


PHASE DIAGRAM

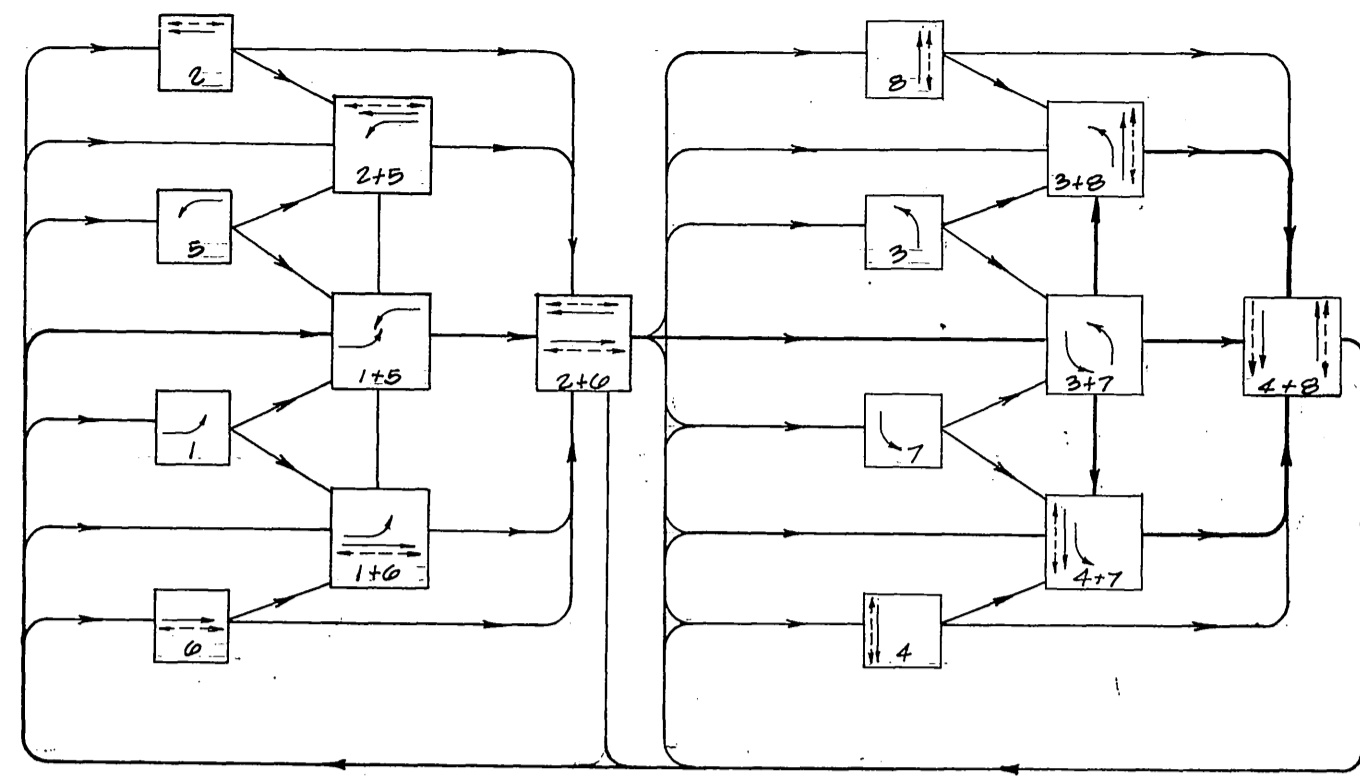


SIGNING REQUIREMENTS

LOC.	CODE NO.	SIZE	MOUNTING	FACING	REMARKS
E	R73A(U)	38"x22"	SIGNAL MA.	S	STD. PLAN SES 6-6-C-1
E	R73(U)	24"x36"	SIGNAL STD.	N	C/R STD. DWG #66B
J	R73A(U)	38"x22"	SIGNAL MA.	N	STD. PLAN SES 6-6-C-1
J	R73(U)	24"x36"	SIGNAL STD.	S	C/R STD. DWG #66B



REVISIONS			CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
MARK	DATE	DESCRIPTION		
		Original installation by Riverside county, Rev. S.E. corner. J. Kay	TRAFFIC SIGNALS	
4-27-64		As built NE corner M.W.		
2-17-67		As built per Cont. 12-10-1 J.M.W.		
10-8-71		As built (4'x8' Loop) J.M.W.		
9-20-72		As built per contract # (Mag. Lettling)		
4-3-78				
DESIGNED BY		SUBMITTED BY	APPROVED BY	PROJ. NO.
DRAWN BY		PARK DEPT. TRAFFIC DIV.	DIRECTOR OF PUBLIC WORKS	X-325
CHECKED BY		RECOMMENDED BY	DATE	SHEET 1 OF 2

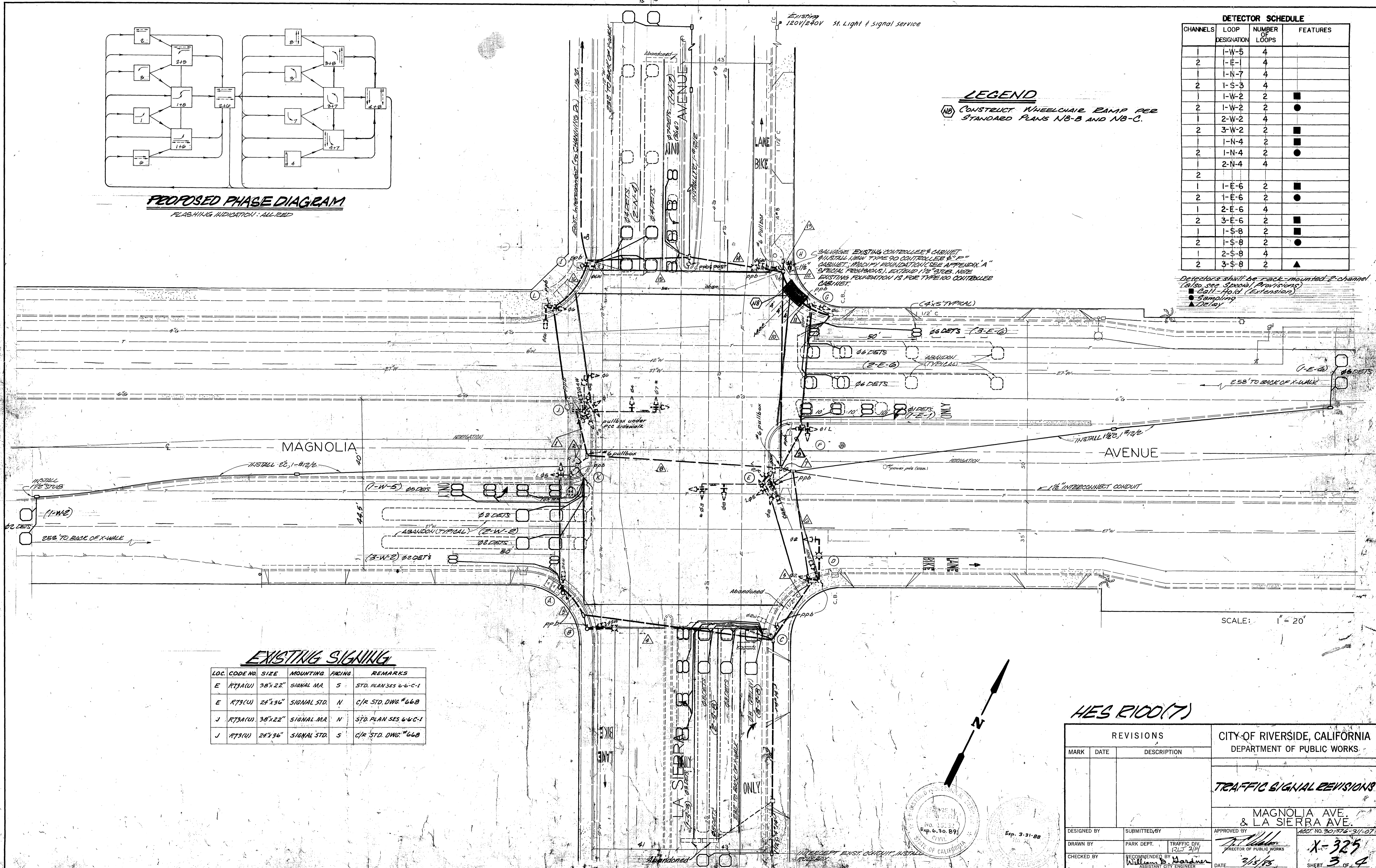


PROPOSED PHASE DIAGRAM
FLASHING INDICATION: ALL RED

DETECTOR SCHEDULE			
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-W-5	4	
2	1-E-1	4	
1	1-N-7	4	
2	1-S-3	4	
1	1-W-2	2	■
2	1-W-2	2	●
1	2-W-2	4	
2	3-W-2	2	■
1	1-N-4	2	■
2	1-N-4	2	●
1	2-N-4	4	
2			
1	1-E-6	2	■
2	1-E-6	2	●
1	2-E-6	4	
2	3-E-6	2	■
1	1-S-8	2	■
2	1-S-8	2	●
1	2-S-8	4	
2	3-S-8	2	▲

LEGEND
 (NB) CONSTRUCT WHEELCHAIR RAMP PER STANDARD PLANS NB-B AND NB-C.

Detectors shall be track-mounted 2-channel (also see Specs/Provisions)
 ■ Call-Hold (Extension)
 ● Sampling
 ▲ Delay



EXISTING SIGNING

LOC. CODE NO.	SIZE	MOUNTING	FACING	REMARKS
E RT3A(U)	38"x22"	SIGNAL MA.	S	STD. PLAN SES 6-6-C-1
E RT3(U)	24"x36"	SIGNAL STD.	N	C/R STD. DWG #66B
J RT3A(U)	38"x22"	SIGNAL MA.	N	STD. PLAN SES 6-6-C-1
J RT3(U)	24"x36"	SIGNAL STD.	S	C/R STD. DWG #66B

SCALE: 1" = 20'

HES R100(7)

REVISIONS		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS
MARK	DATE	
		TRAFFIC SIGNAL REVISIONS
		MAGNOLIA AVE. & LA SIERRA AVE.
DESIGNED BY	SUBMITTED BY	APPROVED BY
DRAWN BY	PARK DEPT. TRAFFIC DIV.	Exp. 3.31.88
CHECKED BY	RECOMMENDED BY William B. Gardner ASSISTANT CITY ENGINEER	DATE 2/15/85

X-325
SHEET 3 OF 4

