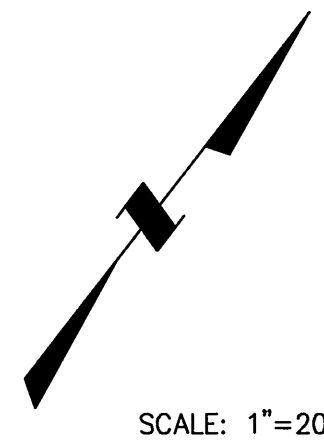
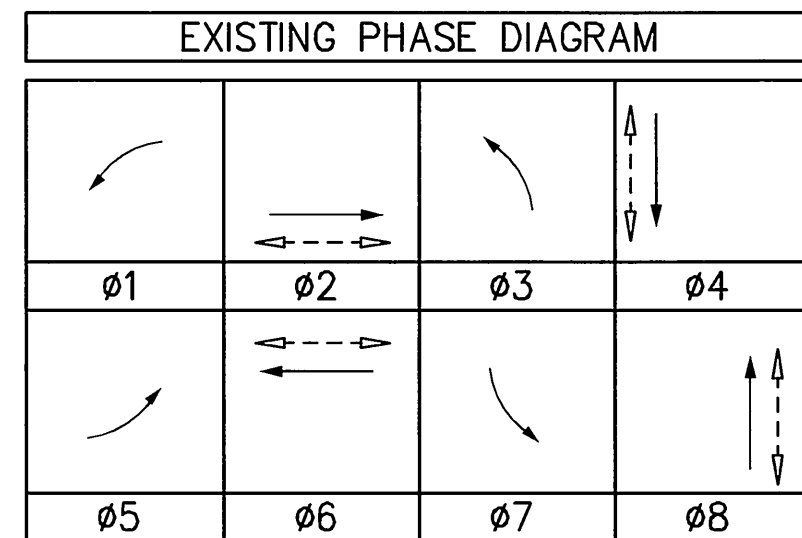
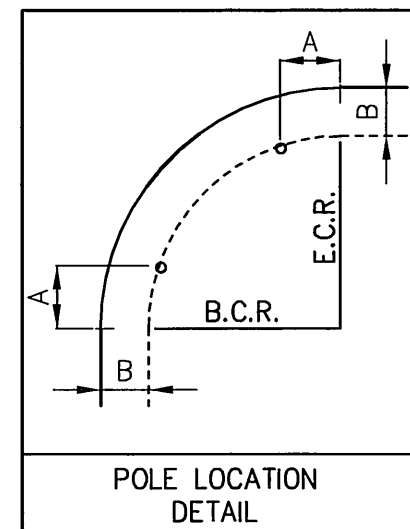


POLE				SCHEDULE												
No.	TYPE	HEIGHT	MAST ARM SIGNAL	LUM	HPSV LUMINAIRE	I.S.N.S.	SIGNAL MTGS		PED PUSH BTN	PHASE QUAD	ARW	LOCATION		REMARKS		
							VEHICLE	PED				A	B			
1	1A	10'	---	---	---	---	---	TV-2-T	SP-1-T	6	S	R	13'	3'		
2	26A-4-70	35'	40'	15'	400W	3800 ADAMS ST.	MAS	MAS	SV-1-T	SP-1-T	4	E	L	15'	3'	
3	1A	10'	---	---	---	---	---	TV-1-T	SP-1-T	4	E	R	16'	3'		
4	24-4-80	30'	35'	15'	200W	8300 MAGNOLIA AVE.	MAS	MAS	SV-1-T	SP-1-T	2	N	L	4'	6'	
5	1A (N)	10' (N)	---	---	---	---	---	TV-2-T (N)	SP-1-T (R)	2	N	R	11'	2.5'	1	
6	26A-4-70 (R)	35' (R)	45' (R)	15' (R)	400W (R)	3700 ADAMS ST. (R)	MAS (R)	MAS (R)	SV-1-T (R)	SP-1-T (R)	8	W	L	11'	2.5'	2
7	1A	10'	---	---	---	---	---	TV-1-T	SP-1-T	8	W	R	16'	2.5'		
8	24-4-80	30'	35'	15'	200W	8200 MAGNOLIA AVE.	MAS	MAS	SV-1-T	SP-1-T	6	S	L	4'	9'	

ALL EQUIPMENT SHALL BE EXISTING UNLESS OTHERWISE NOTED: (R)-RELOCATED, (N)-NEW



SCALE: 1"=20'

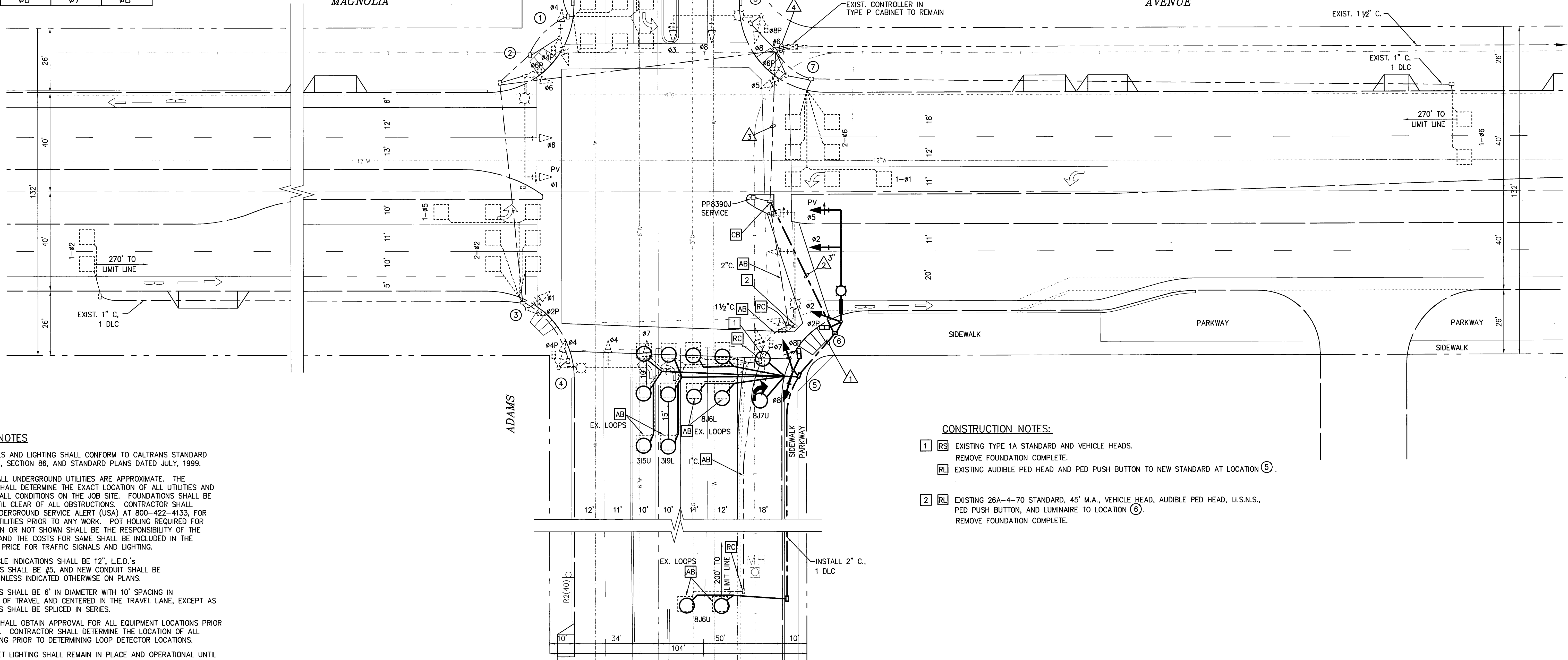


MAGNOLIA

AVENUE

STREET

ADAMS



CONDUCTOR SCHEDULE

AWG	POLE NO.	RUNS			
		1	2	3	4
12 COND. CABLE	1				1(E)
	2				1(E)
	4				1(E)
	5	1	1	1	1
	6		1	1	1
	8				1(E)
	TOTAL	1	2	2	6
	9 COND. CABLE	3			
7					1(E)
3 COND. CABLE	1				1(E)
	2				1(E)
	3				1(E)
	4				1(E)
	5	1	1	1	1
	6		1	1	1
	7				1(E)
	8				1(E)
TOTAL	1	2	4	8	

CONDUCTOR SCHEDULE (CONTINUED)

AWG	I.S.N.S.	RUNS			
		1	2	3	4
#12	I.S.N.S.		2		2(E)
#10	LUMINAIRES		2		2(E)
#8	SIGNAL SERVICE			2(E)	2(E)
LOOP DET. CABLE	Ø1 DLC				1(E)
	Ø2 DLC				2(E)
	Ø3 DLC	2	2	2	2
	Ø4 DLC				2(E)
	Ø5 DLC				1(E)
	Ø6 DLC				2(E)
	Ø7 DLC				1(E)
	Ø8 DLC	3	3	3	3
TOTAL		5	5	5	14
CONDUIT SIZE		2"	3"	2 1/2" (E)	2-3" (E) 1-2 1/2" (E)

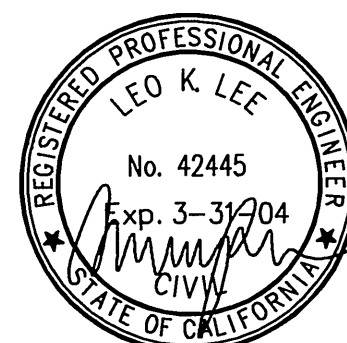
ALL EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED: (E)-EXISTING

GENERAL NOTES

- TRAFFIC SIGNALS AND LIGHTING SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS DATED JULY, 1999.
- LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND SHALL VERIFY ALL CONDITIONS ON THE JOB SITE. FOUNDATIONS SHALL BE HAND DUG UNTIL CLEAR OF ALL OBSTRUCTIONS. CONTRACTOR SHALL TELEPHONE UNDERGROUND SERVICE ALERT (USA) AT 800-422-4133, FOR MARKING OF UTILITIES PRIOR TO ANY WORK. POT HOLING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE COSTS FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR TRAFFIC SIGNALS AND LIGHTING.
- ALL NEW VEHICLE INDICATIONS SHALL BE 12", L.E.D.'s. NEW PULLBOXES SHALL BE #5, AND NEW CONDUIT SHALL BE RIGID METAL, UNLESS INDICATED OTHERWISE ON PLANS.
- ALL NEW LOOPS SHALL BE 6" IN DIAMETER WITH 10' SPACING IN THE DIRECTION OF TRAVEL AND CENTERED IN THE TRAVEL LANE, EXCEPT AS SHOWN. LOOPS SHALL BE SPLICED IN SERIES.
- CONTRACTOR SHALL OBTAIN APPROVAL FOR ALL EQUIPMENT LOCATIONS PRIOR TO PLACEMENT. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL TRAFFIC STRIPING PRIOR TO DETERMINING LOOP DETECTOR LOCATIONS.
- EXISTING STREET LIGHTING SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL NEW TRAFFIC SIGNAL SAFETY LIGHTING IS OPERATIONAL.
- ALL NEW TRAFFIC SIGNAL EQUIPMENT, LOOPS, AND CONDUCTORS SHALL BE INSTALLED PER THIS PLAN, AND THE SPECIAL PROVISIONS.
- THE INTERSECTION SHALL BE RESTRIPTED PER THE STRIPING PLAN PRIOR TO OPERATION OF THE TRAFFIC SIGNALS. ANY EXISTING TRAFFIC CONTROLS OR MARKINGS IN CONFLICT WITH THE STRIPING PLAN OR THE TRAFFIC SIGNAL PLAN, INCLUDING STOP BARS, STOP SIGNS, AND LEGENDS, SHALL BE REMOVED, BY THE CONTRACTOR, BY WET SANDBLASTING.

CONSTRUCTION NOTES:

- RS EXISTING TYPE 1A STANDARD AND VEHICLE HEADS. REMOVE FOUNDATION COMPLETE.
- RL EXISTING AUDIBLE PED HEAD AND PED PUSH BUTTON TO NEW STANDARD AT LOCATION 5.
- RL EXISTING 26A-4-70 STANDARD, 45' M.A., VEHICLE HEAD, AUDIBLE PED HEAD, I.S.N.S., PED PUSH BUTTON, AND LUMINAIRE TO LOCATION 6. REMOVE FOUNDATION COMPLETE.



ADVANTEC Consulting Engineers
Traffic + ITS + Communications + Systems + Electrical
21700 Copley Drive
Suite 350
Diamond Bar, CA 91765
Tel: (909) 860-6222
Fax: (909) 860-6722
www.advantec-usa.com
Prepared under the direct supervision of:
Leo K. Lee R.C.E. NO. 42445
DATE: 3/17/03

MARK	REVISIONS	APPR.	DATE

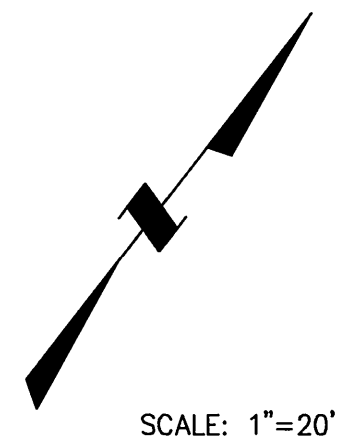
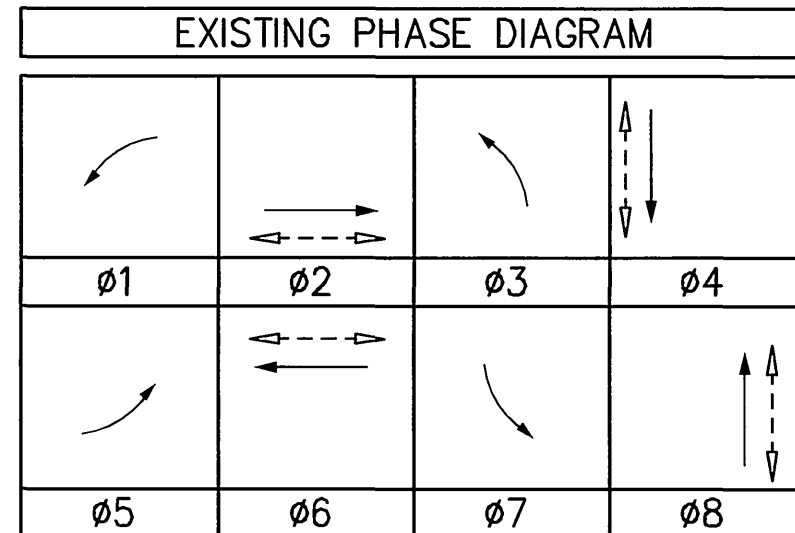
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	DL	3/18/03	City Engineer
TRAFFIC DIVISION	SE	3/18/03	

TRAFFIC SIGNAL MODIFICATION
**MAGNOLIA AVENUE
AT ADAMS STREET**
SCALE: 1" = 20'

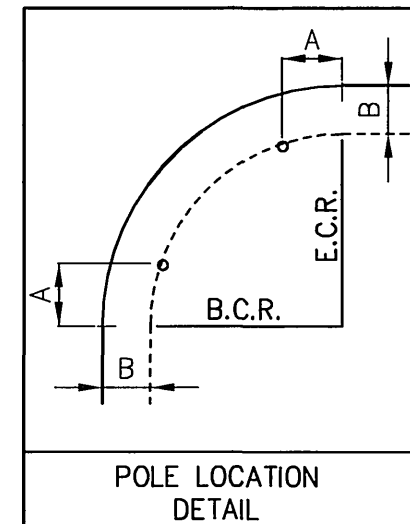
ACCT. NO.
X-303A
SHEET 1 OF 1

POLE				SCHEDULE													
No.	TYPE	HEIGHT	MAST ARM	SIGNAL	LUM	HPSY LUMINAIRE	I.S.N.S.	SIGNAL MTGS		PED PUSH BTN	LOCATION	REMARKS					
								VEHICLE	PED				PHASE	QUAD	ARW	A	B
1	1A	10'	---	---	---	---	---	---	TV-2-T	SP-1-T	6	S	R	13'	3'		
2	26A-4-70	35'	40'	15'	400W	3800	ADAMS ST.	MAS	MAS	SV-1-T	SP-1-T	4	E	L	15'	3'	
3	1A	10'	---	---	---	---	---	---	TV-1-T	SP-1-T	4	E	R	16'	3'		
4	24-4-80	30'	35'	15'	200W	8300	MAGNOLIA AVE.	MAS	MAS	SV-1-T	SP-1-T	2	N	L	4'	6'	
5	1A (N)	10' (N)	---	---	---	---	---	---	TV-2-T (N)	SP-1-T (R)	2	N	R	11'	2.5'	1	
6	26A-4-70 (R)	35' (R)	45' (R)	15' (R)	400W (R)	3700	ADAMS ST. (R)	MAS (R)	MAS (R)	SV-1-T (R)	SP-1-T (R)	8	W	L	11'	2.5'	2
7	1A	10'	---	---	---	---	---	---	TV-1-T	SP-1-T	8	W	R	16'	2.5'		
8	24-4-80	30'	35'	15'	200W	8200	MAGNOLIA AVE.	MAS	MAS	SV-1-T	SP-1-T	6	S	L	4'	9'	

ALL EQUIPMENT SHALL BE EXISTING UNLESS OTHERWISE NOTED: (R)-RELOCATED, (N)-NEW



SCALE: 1"=20'



MAGNOLIA

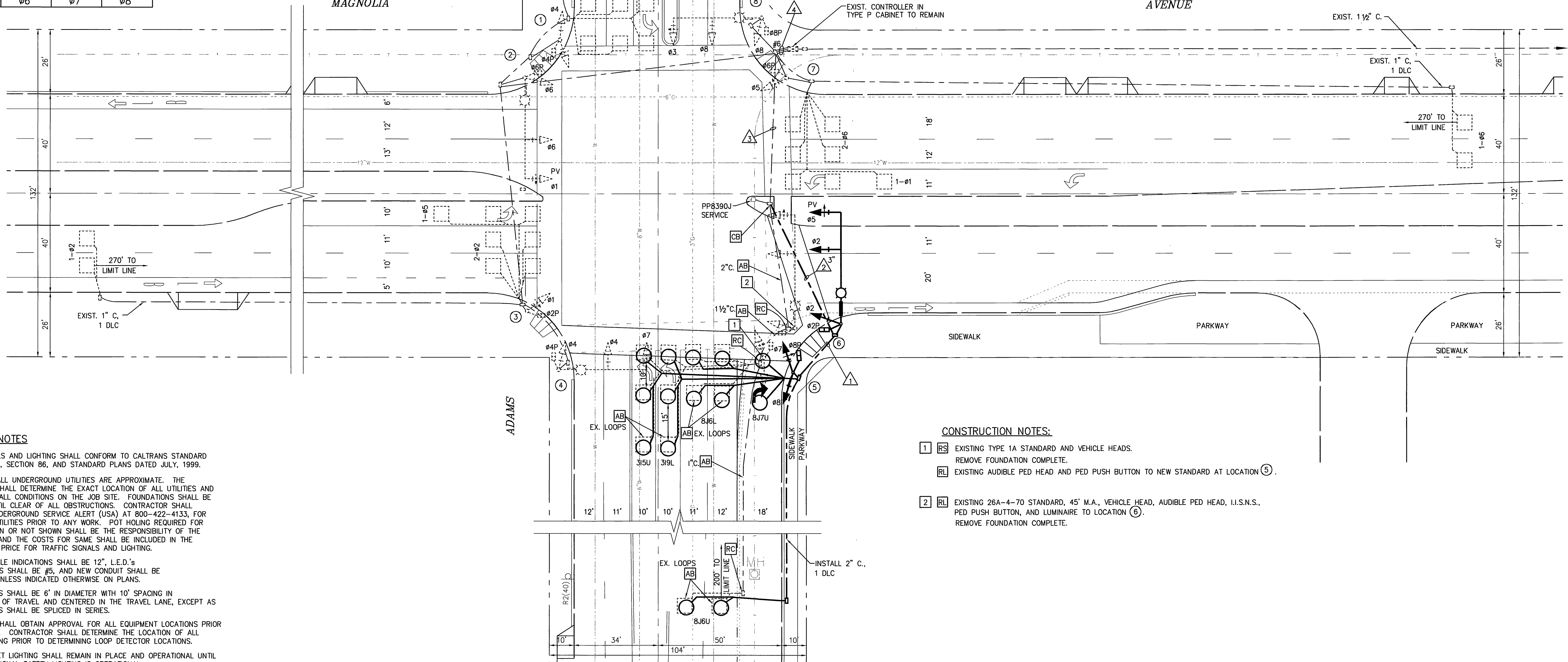
CONDUCTOR SCHEDULE

AWG	POLE NO.	RUNS			
		1	2	3	4
12 COND. CABLE	1				1(E)
	2				1(E)
	4				1(E)
	5	1	1	1	1
	6		1	1	1
	8				1(E)
	TOTAL	1	2	2	6
	9 COND. CABLE	3			
7					1(E)
3 COND. CABLE	1				1(E)
	2				1(E)
	3				1(E)
	4				1(E)
	5	1	1	1	1
	6		1	1	1
	7				1(E)
	8				1(E)
TOTAL	1	2	4	8	

CONDUCTOR SCHEDULE (CONTINUED)

AWG	I.I.S.N.S.	RUNS			
		1	2	3	4
#12	I.I.S.N.S.		2		2(E)
#10	LUMINAIRES		2		2(E)
#8	SIGNAL SERVICE				2(E)
LOOP DET. CABLE	ø1 DLC				1(E)
	ø2 DLC				2(E)
	ø3 DLC	2	2	2	2
	ø4 DLC				2(E)
	ø5 DLC				1(E)
	ø6 DLC				2(E)
	ø7 DLC				1(E)
	ø8 DLC	3	3	3	3
TOTAL		5	5	5	14
CONDUIT SIZE		2"	3"	2 1/2"(E)	2-3"(E) 1-2 1/2"(E)

ALL EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED: (E)-EXISTING



GENERAL NOTES

- TRAFFIC SIGNALS AND LIGHTING SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS, SECTION 86, AND STANDARD PLANS DATED JULY, 1999.
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CONSTRUCTION NOTES:

- RS EXISTING TYPE 1A STANDARD AND VEHICLE HEADS. REMOVE FOUNDATION COMPLETE.
- RL EXISTING AUDIBLE PED HEAD AND PED PUSH BUTTON TO NEW STANDARD AT LOCATION (5).
- RL EXISTING 26A-4-70 STANDARD, 45' M.A., VEHICLE HEAD, AUDIBLE PED HEAD, I.I.S.N.S., PED PUSH BUTTON, AND LUMINAIRE TO LOCATION (6). REMOVE FOUNDATION COMPLETE.



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 21700 Copley Drive
 Suite 350
 Diamond Bar, CA 91765
 Tel: (909) 860-6222
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 www.advantec-usa.com
 Prepared under the direct supervision of:
 Leo K. Lee R.C.E. No. 42445
 DATE: 3/17/03

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature]
 PRINCIPAL ENGINEER: [Signature]
 TRAFFIC DIVISION: [Signature]
 DATE: 3/17/03
 APPROVED BY: [Signature]
 CITY ENGINEER: [Signature]
 DATE: 3/17/03

TRAFFIC SIGNAL MODIFICATION
MAGNOLIA AVENUE AT ADAMS STREET
 SCALE: 1" = 20'
 ACCT. NO. **X-303A**
 SHEET 1 OF 1

* CONDUCTOR TABLE											
AWG	CIRCUIT	RUNS									
		1	2	3	4	5	6	7	8	9	10
#1		-	3	-	-	3	-	-	-	-	3
#2		-	-	-	-	-	-	-	3	3	3
#3		-	-	-	3	3	-	-	-	-	6
#4		3	3	-	3	6	-	-	-	-	6
#5		-	-	-	-	-	-	-	3	3	6
#6		-	-	-	-	3	-	-	-	-	3
#7		3	3	-	-	3	-	-	3	3	6
#8		-	-	-	-	-	3	3	3	3	6
#2 PED		-	2	-	-	2	-	-	2	2	4
#4 PED		2	2	-	2	4	-	-	-	-	4
#6 PED		-	-	-	2	-	-	-	-	-	4
#8 PED		-	-	-	-	2	2	2	2	2	4
#2 PPB		1	1	-	1	-	1	1	1	1	2
#4 PPB		-	1	1	-	-	-	-	-	-	2
#6 PPB		-	-	-	1	1	1	-	-	-	2
#8 PPB		-	-	-	-	-	-	1	1	1	1
PPB COMMON		1	1	1	1	1	1	1	1	1	2
SPARES (USE FOR I.S.N.S.)											
TOTAL		13	19	5	13	33	13	22	22	70	
DLC											
#1 DETECTOR		-	-	-	-	-	-	-	-	-	1
#2 DETECTOR		-	2	-	-	2	-	-	-	-	2
#3 DETECTOR		-	-	-	2	2	-	-	1	1	1
#4 DETECTOR		-	-	-	1	1	-	-	-	-	2
#5 DETECTOR		-	-	-	-	-	-	-	-	-	1
#6 DETECTOR		-	-	-	1	1	-	-	-	-	2
#7 DETECTOR		-	-	-	-	-	-	-	-	-	1
#8 DETECTOR		-	-	-	-	-	-	2	2	2	2
TOTAL		-	2	1	3	6	-	3	3	3	12
#10 SIGNAL COMMON											
#12		-	-	-	-	-	-	-	-	-	-
#8 LUMINAIRE SIGNAL SERVICE											
TOTAL		2	2	-	-	2	2	-	2	2	-
CONDUIT SIZE											
		(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)

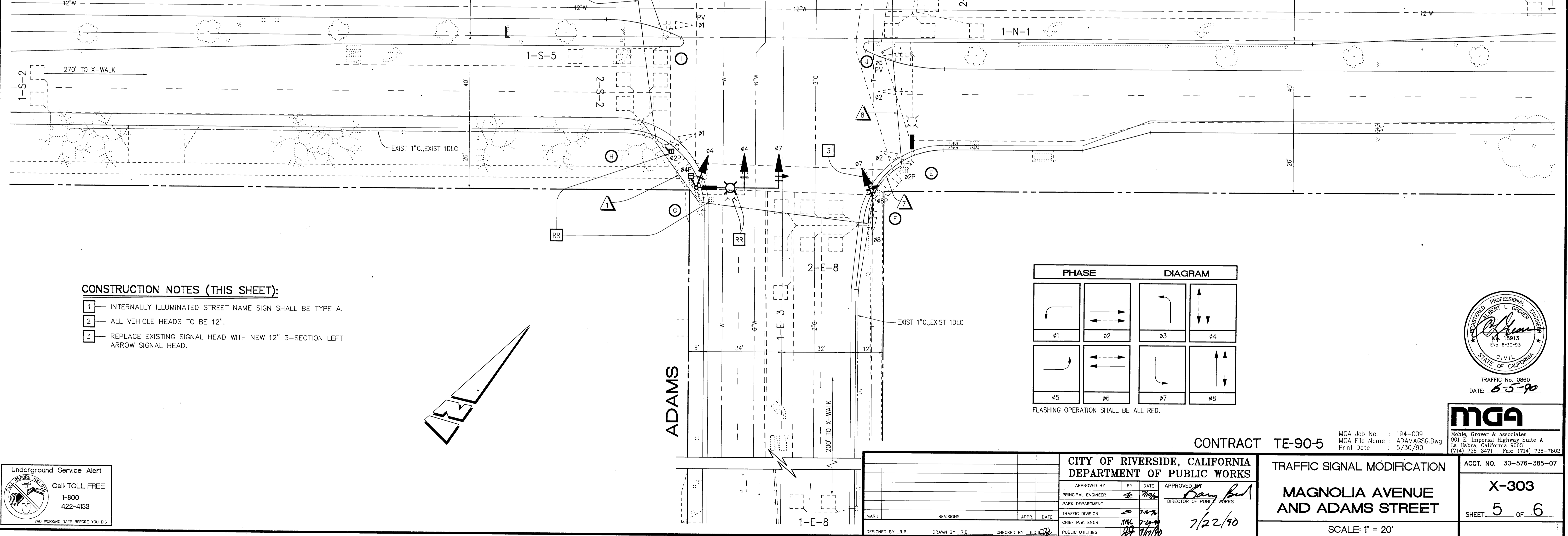
DETECTOR ASSIGNMENT ▲			
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-N-1	3	
1,2	1-N-6	2	■ ■
2	2-N-6	4	
1	1-S-5	3	
1,2	1-S-2	2	■ ■
2	2-S-2	4	
1	1-E-3	3	
1,2	1-E-8	2	■ ■
2	2-E-8	4	
1	1-W-7	3	
1,2	1-W-4	2	■ ■
2	2-W-4	4	

■ = CALL-HOLD (EXTENSION).
 ● = FOR SAMPLING (FUTURE).
 ▲ = REFERENCE ONLY.

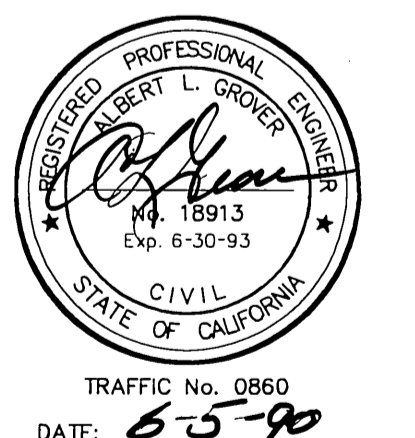
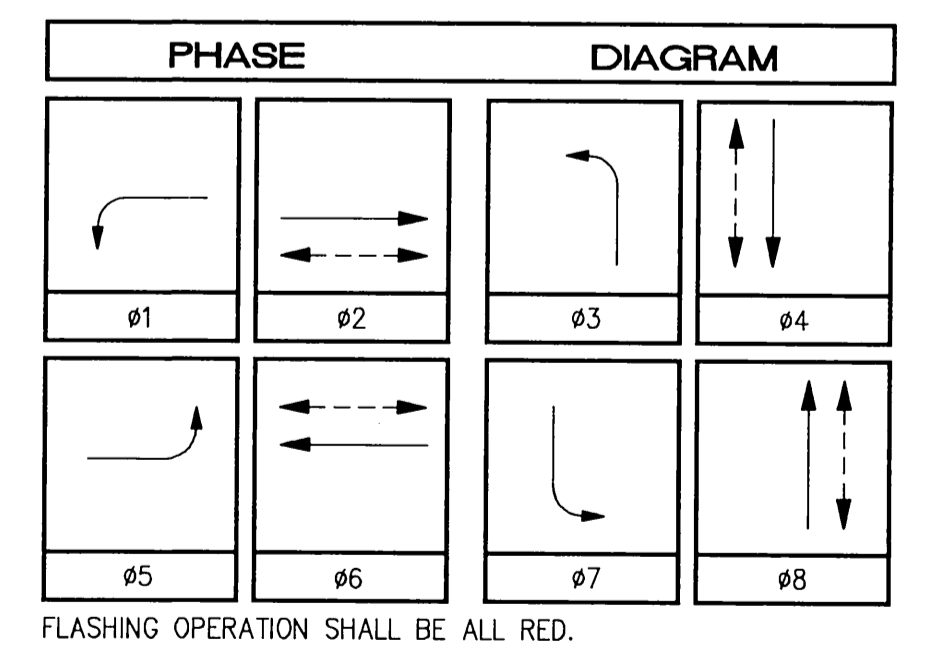
POLE										SCHEDULE				
No.	STANDARD				LUMINAIRE HPS	I.S.N.S. LEGEND	SIGNAL MOUNTING			PPB PHASE	PLACEMENT		REMARKS	
	TYPE	HGT.	SIG. M.A.	LUM. M.A.			VEHICLE	PED	A		B			
(A)	26A-4-70	35'	40'	15'	400W	(N)ADAMS ST 3800	MAS	MAS	SV-1-T	SP-1-T	#4	-	-	
(B)	I	10'	-	-	-	-	-	(N)TV-2-T	SP-1-T	#6	-	-		
(C)	(N)24-4-80	30'	(N)35'	(N)12'	250W(R)	(N)MAGNOLIA AVE 8200	(N)MAS	(N)MAS	(N)SV-1-T	(N)SP-1-T	#6	*	*	□
(D)	1-A	10'	-	-	-	-	-	TV-1-T	(R)SP-1-T	#8	-	-		
(E)	26A-4-70	35'	45'	15'	400W	(N)ADAMS ST 3700	MAS	MAS	SV-1-T	SP-1-T	#8	-	-	
(F)	I	10'	-	-	-	-	-	(N)TV-2-T	SP-1-T	#2	-	-		
(G)	(N)24-4-80	30'	(N)35'	(N)12'	250W(R)	(N)MAGNOLIA AVE 8300	(N)MAS	(N)MAS	(N)SV-1-T	(N)SP-1-T	#2	*	*	□
(H)	1-A	10'	-	-	-	-	-	TV-1-T	(R)SP-1-T	#4	-	-		
(L)	PPB	3'-10"	-	-	-	-	-	-	-	#4	-	-		
(J)	PPB	3'-10"	-	-	-	-	-	-	-	#8	-	-		

I.S.N.S. = INTERNALLY ILLUMINATED STREET NAME SIGN
 N = NEW
 R = RELOCATED
 * = TO BE DETERMINED BY ENGINEER IN FIELD.
 □ = REMOVE AND SALVAGE TO CITY EXISTING MARBELITE STANDARD, MAST ARMS AND SIGNAL GEAR. REUSE EXISTING LUMINAIRE.

E = EXISTING.
 NOTE: ALL CONDUCTORS EXISTING.
 EXISTING CONDUCTORS FOR #3 AND #7 COILED IN PULL BOX AT BASE OF POLE.
 USE EXISTING SPARE #14 CONDUCTORS TO POWER I.S.N.S.
 CONDUCTOR TABLE FOR INFORMATION ONLY.



- CONSTRUCTION NOTES (THIS SHEET):**
- INTERNALLY ILLUMINATED STREET NAME SIGN SHALL BE TYPE A.
 - ALL VEHICLE HEADS TO BE 12".
 - REPLACE EXISTING SIGNAL HEAD WITH NEW 12" 3-SECTION LEFT ARROW SIGNAL HEAD.



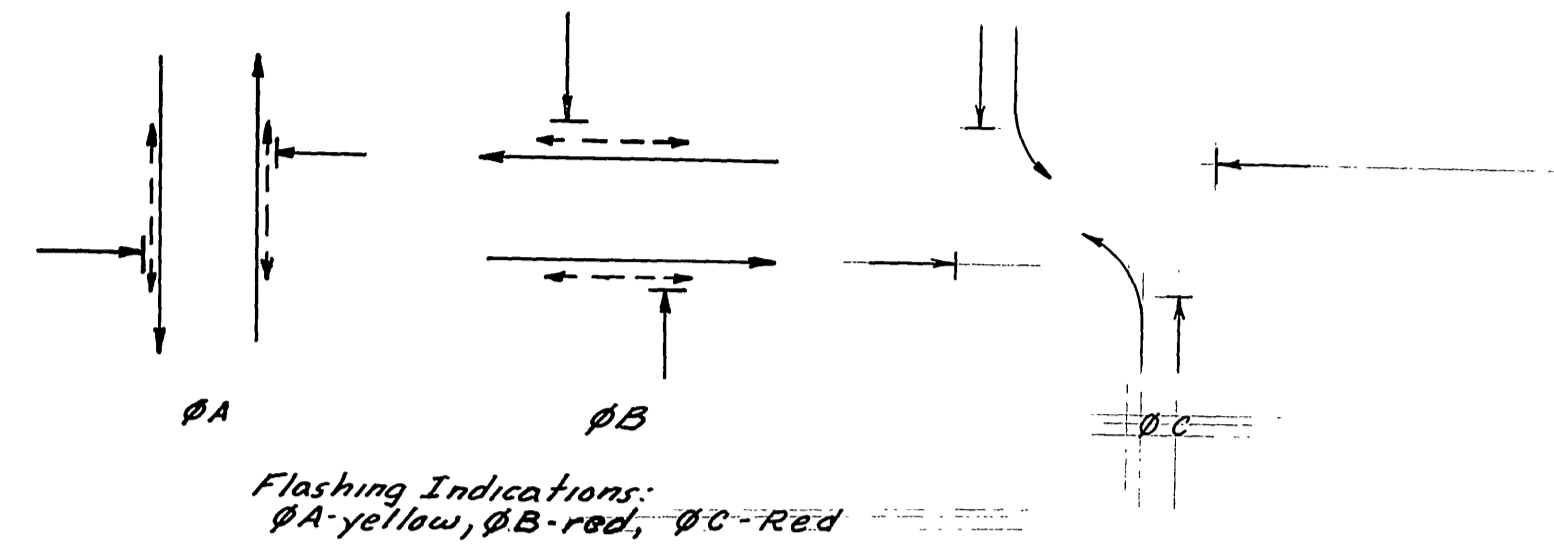
TRAFFIC No. 0860
DATE: 6-5-90



Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

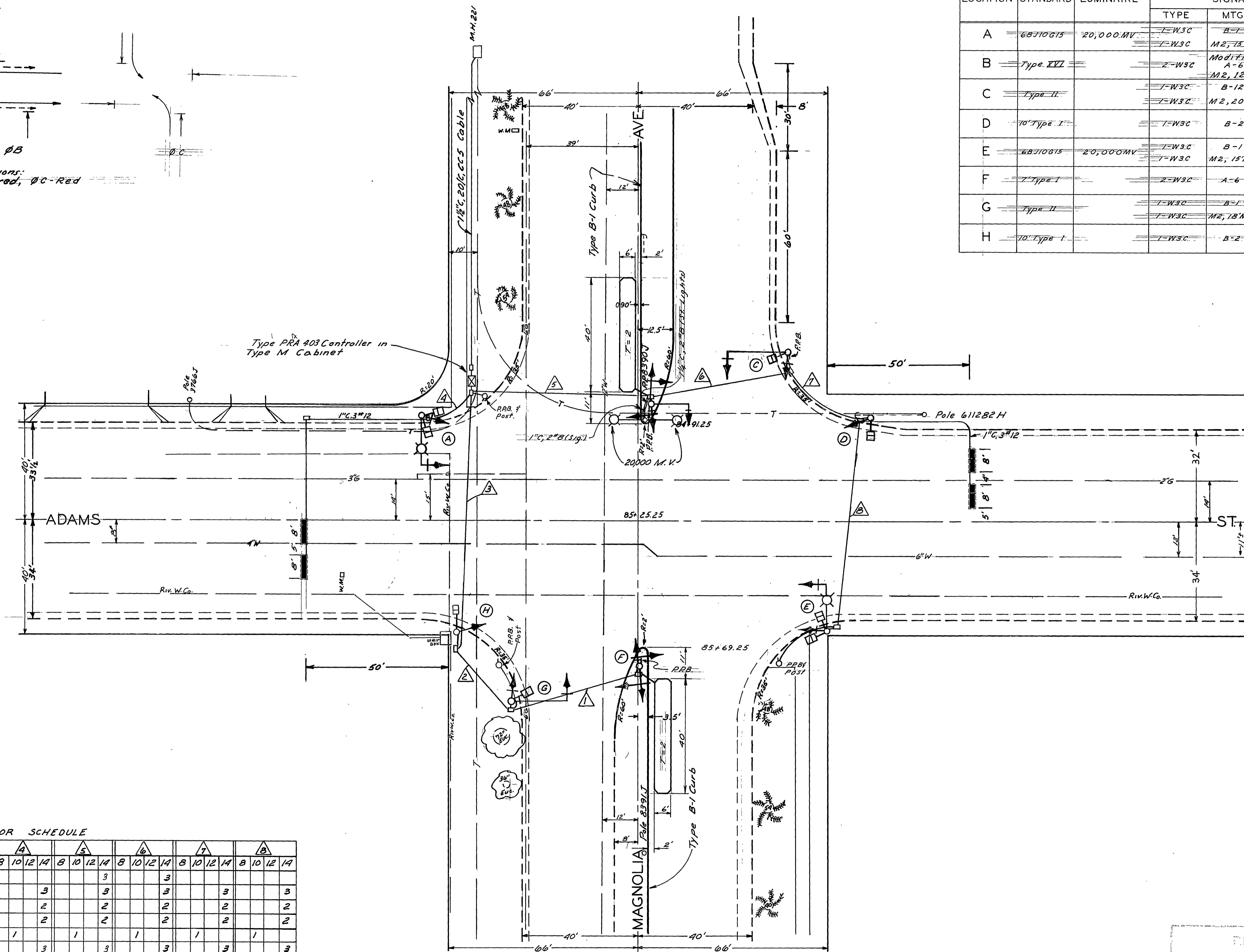
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		CONTRACT TE-90-5 TRAFFIC SIGNAL MODIFICATION MAGNOLIA AVENUE AND ADAMS STREET		ACCT. NO. 30-576-385-07 X-303 SHEET 5 OF 6
APPROVED BY: [Signature] PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGR. PUBLIC UTILITIES	BY: [Signature] DATE: 7/22/90	APPROVED BY: [Signature] DIRECTOR OF PUBLIC WORKS DATE: 7/22/90	SCALE: 1" = 20' DESIGNED BY: B.B. DRAWN BY: B.B. CHECKED BY: E.D.	

PHASE DIAGRAM



LOCATION	STANDARD	LUMINAIRE	SIGNALS			WALK-DON'T WALK	
			TYPE	MTG.	LENS SIZE	TYPE	MTG.
A	68310615	20,000 MV	1-W3C	B-1	3-8"	2-W2C	W-3
B	Type VII		2-W3C	Modified A-6	2-8", 1-7"		
C	Type II		1-W3C	B-12	3-8"	1-W2C	W-0
D	70 Type I		1-W3C	B-2	3-8"	1-W2C	W-0
E	68310615	20,000 MV	1-W3C	B-1	3-8"	2-W2C	W-3
F	Type I		2-W3C	A-6	2-8", 1-12"		
G	Type II		1-W3C	B-1	3-8"	1-W2C	W-0
H	70 Type I		1-W3C	B-2	3-8"	1-W2C	W-0

SCALE: 1"=20'



CONDUCTOR RUN	CONDUCTOR SCHEDULE																			
	1		2		3		4		5		6		7		8					
CONDUCTORS	8	10	12	14	8	10	12	14	8	10	12	14	8	10	12	14	8	10	12	14
ØA																				
ØB				3				3				3				3				3
ØA W-DW								2				2				2				2
ØB W-DW				2				2				2				2				2
110V Neutral	1				1				1				1				1			
Spares			3				3				3				3				3	
ØB RPB			1				2				3				2				1	
ØB Det							2				2				2					
12 V Neutral	1				1				1				1				1			
Luminaires							2				2				2				2	
Signal Service							2													
ØC Det																				
ØC			3				3				3				3					
TOTAL CONDUCTORS	1	7	1	13	1	1	18	2	1	3	10	4	1	3	19	2	1	3	11	2
CONDUIT SIZE	1 1/2"		1 1/2"		2"		2"		2 1/2"		2"		1 1/2"		1 1/2"		2"		1 1/2"	

REVISIONS		CITY OF UNIVERSITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
DATE	DESCRIPTION	ADD	MG
1/11/62	As Built		
11/17/62	As Built		
5/12/69	As Built (Mag. 18" Lens, 20" Hgt.)		

TRAFFIC SIGNALS
MAGNOLIA AVE.
& ADAMS ST.

DESIGNED BY: ADD
DRAWN BY: ADD
CHECKED BY: WPA
APPROVED BY: [Signature]
DATE: 1-18-62

X-303