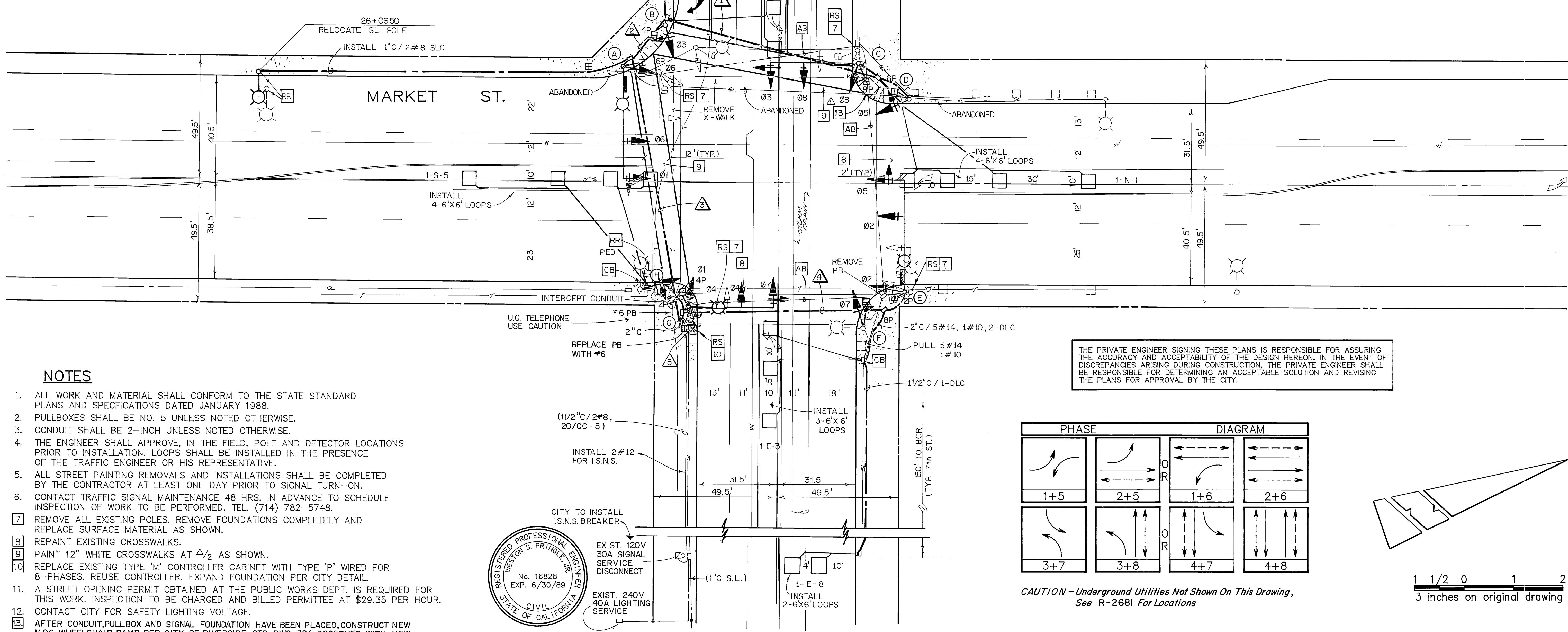


CONDUCTOR		TABLE				
AWG	CIRCUIT	1	2	3	4	5
Ø1				3		3
Ø2				3		3
Ø3		3	3	3		3
Ø4						3
Ø5		3	3	3	3	6
Ø6				3		3
Ø7					3	3
Ø8		3	3			3
#						
Ø2 PED					2	2
Ø4 PED			2	2		2
Ø6 PED		2	2	2		2
Ø8 PED		2	2	2	2	4
SPARES		3	3	3	3	6
TOTALS		16	16	24	16	43
Ø1 DETECTOR		1	1	1		1
Ø3 DETECTOR					1	1
Ø4 DETECTOR					1	1
Ø5 DETECTOR						1
Ø7 DETECTOR			1	1		1
Ø8 DETECTOR			1			1
TOTAL CABLES		1	3	2	2	6
#12 I.S.N.S.		2	2	2	2	2
#10 SIGNAL COMMON		1	1	1	1	2
#8 LUMINAIRE		2	2	2	2	2
CONDUIT SIZE		2 1/2"	2 1/2"	2 1/2"	2"	2 1/2"

- () = EXISTING CONDUIT
- REWIRE TOTAL INTERSECTION
- * = ADD 3°C TO (2 1/2") SEE SPECIAL PROVISIONS.

POLE										SCHEDULE		
No.	TYPE	STANDARD			LUMINAIRE HPSV	I.S.N.S. LEGEND	SIGNAL MOUNTING		PED PUSH BTN		REMARKS	
		HEIGHT	SIG.M.A.	LUM.M.A.			VEHICLE	PED	PHASE	TYPE		
(A)	26-4-80	30'	45'	12'	250 W	Seventh St. 3800	MAS LT	MAS	SV-1-T	SP-1-T		
(B)	1-A	10'							TV-1-T	SP-1-T		
(C)	23-3-80	17'	35'			Market St. 3700	MAS LT	MAS	SV-1-T	SP-1-T		
(D)	1-A	10'							TV-1-T	SP-1-T		
(E)	26-4-80	30'	45'	12'	250 W	Seventh St. 3700	MAS LT	MAS	SV-1-T	SP-1-T		
(F)	68J10	30'		10'	EXIST.				SV-1-T	SP-1-T		
(G)	24-3-80	30'	35'	12'	250 W	Market St. 3800	MAS LT	MAS	SV-1-T	SP-1-T	PLACE NEW POLE IN EXISTING POLE LOCATION. PROTECT TREE.	
(H)	68J10	30'		10'	EXIST.				SV-1-T	SP-1-T (M)	CONCRETE POLE REMOVE 1-PED HEAD	

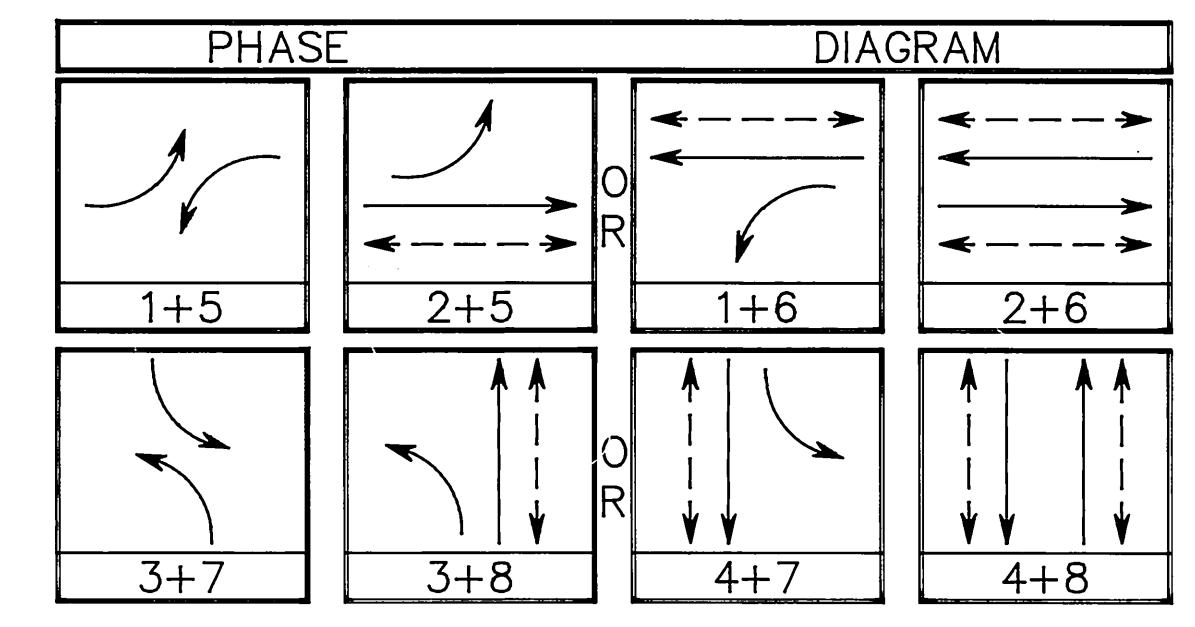
- ALL EQUIPMENT IS NEW EXCEPT WHERE SHOWN: (E) = EXIST. (M) = MODIFY
- REBUILD PED HEADS TO INTERNATIONAL DISPLAY STANDARDS AND REUSE ON NEW MOUNTINGS. (EXCEPT POLE H)
- NEW SIGNAL INDICATIONS SHALL BE 12-INCH.
- I.S.N.S. = ILLUMINATED STREET NAME SIGN, DOUBLE FACE, MAST-ARM MOUNTED PER CITY STD. DWG. 662B.
- 1-A POLES SHALL BE ALUMINUM.
- EXIST. LUMINAIRES HAVE TYPE IV PEC



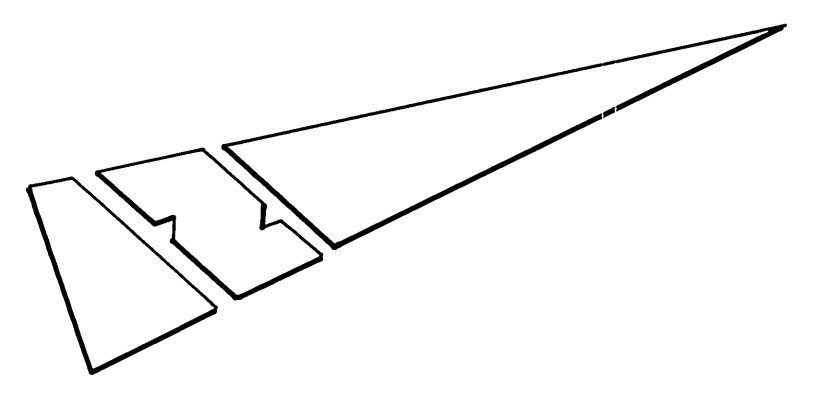
NOTES

- ALL WORK AND MATERIAL SHALL CONFORM TO THE STATE STANDARD PLANS AND SPECIFICATIONS DATED JANUARY 1988.
- PULLBOXES SHALL BE NO. 5 UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE 2-INCH UNLESS NOTED OTHERWISE.
- THE ENGINEER SHALL APPROVE, IN THE FIELD, POLE AND DETECTOR LOCATIONS PRIOR TO INSTALLATION. LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL STREET PAINTING REMOVALS AND INSTALLATIONS SHALL BE COMPLETED BY THE CONTRACTOR AT LEAST ONE DAY PRIOR TO SIGNAL TURN-ON.
- CONTACT TRAFFIC SIGNAL MAINTENANCE 48 HRS. IN ADVANCE TO SCHEDULE INSPECTION OF WORK TO BE PERFORMED. TEL. (714) 782-5748.
- REMOVE ALL EXISTING POLES. REMOVE FOUNDATIONS COMPLETELY AND REPLACE SURFACE MATERIAL AS SHOWN.
- REPAINT EXISTING CROSSWALKS.
- PAINT 12" WHITE CROSSWALKS AT Δ/2 AS SHOWN.
- REPLACE EXISTING TYPE 'M' CONTROLLER CABINET WITH TYPE 'P' WIRED FOR 8-PHASES. REUSE CONTROLLER. EXPAND FOUNDATION PER CITY DETAIL.
- A STREET OPENING PERMIT OBTAINED AT THE PUBLIC WORKS DEPT. IS REQUIRED FOR THIS WORK. INSPECTION TO BE CHARGED AND BILLED PERMITTEE AT \$29.35 PER HOUR.
- CONTACT CITY FOR SAFETY LIGHTING VOLTAGE.
- AFTER CONDUIT, PULLBOX AND SIGNAL FOUNDATION HAVE BEEN PLACED, CONSTRUCT NEW M.O.C. WHEELCHAIR RAMP PER CITY OF RIVERSIDE STD. DWG. 304, TOGETHER WITH NEW CURB, GUTTER AND SIDEWALK AS REQUIRED TO RESTORE CORNER.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN 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.



CAUTION - Underground Utilities Not Shown On This Drawing, See R-2681 For Locations



1 1/2 0 1 2
3 inches on original drawing

SOUTHERN CALIFORNIA GAS Co. APPROVED BY <i>PR Baughman</i> 8-15-89 DATE		WESTON PRINGLE & ASSOCIATES TRAFFIC AND TRANSPORTATION ENGINEERING 2651 EAST CHAPMAN AVE. FULLERTON, CA. SUITE 110 (714) 871-2831		APPROVED CITY TRAFFIC ENGINEER		CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		TRAFFIC SIGNAL MODIFICATION MARKET STREET AND 7th STREET		ACCOUNT No. X-120A	
APPROVED BY <i>B.A. Wagner</i> 8-9-89 DATE		APPROVED BY <i>Wm Whitten</i> 8/9/89 DATE		DATE		APPROVED BY <i>Baum</i> PUBLIC WORKS DIRECTOR		SHEET 1 OF 1		6666-1	

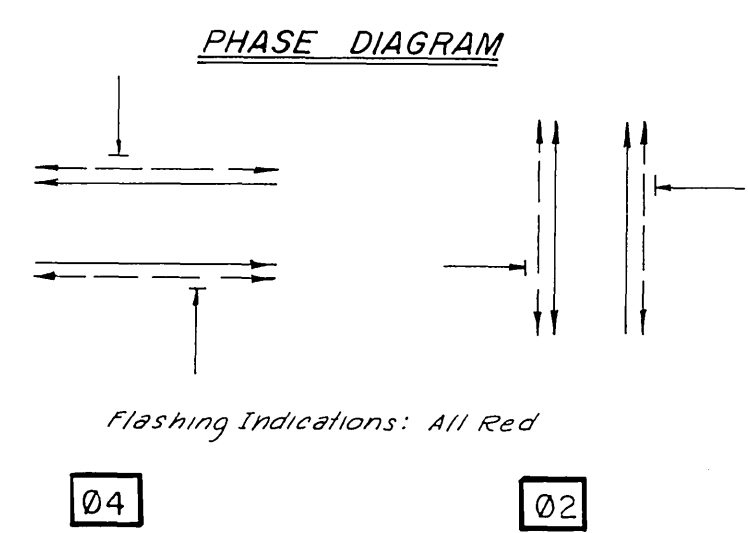
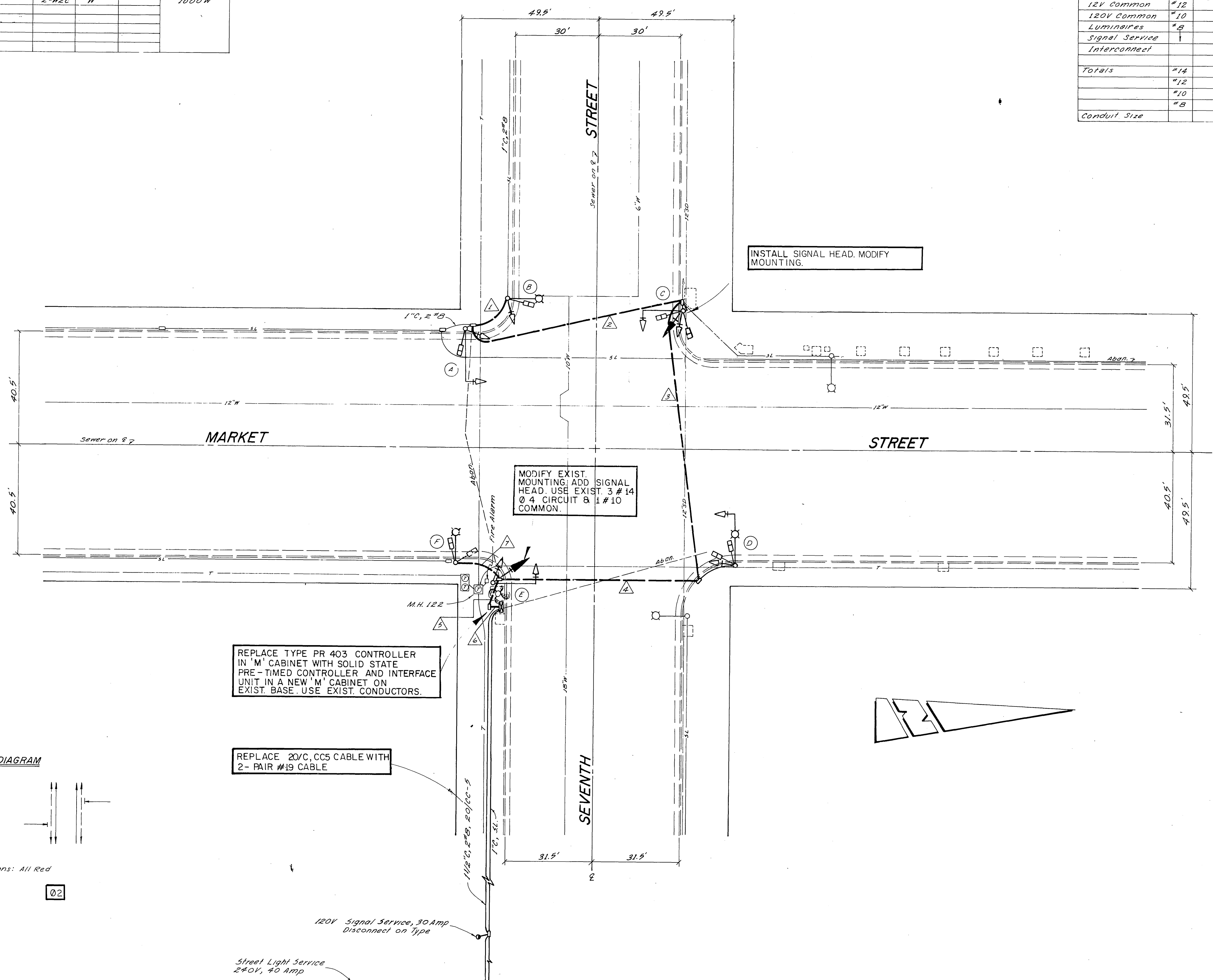
EQUIPMENT SCHEDULE

Loc	Std.	Vehicle Equipment				Pedestrian Equipment			Luminaires
		Heads	Mtg.	Back Plate	Lens Size	Heads	Mtg.	PPB's	
A	Type II	1-W3C	B-1	1	3-8"	1-W2C	W-0		400W
B	56 AB	1-W3C	B-1	1	3-8"	1-W2C	W-0		
C	Type II	2-W3C	SV-2-T	1	3-8"	2-W2C	W-3		
D	PUMCO	1-W3C	B-1	1	3-12"	2-W2C	W-3		1000W
E	TC-7010	1-W3C	B-1	1	3-12"				
F	60110	1-W3C	B-1	1	3-12"	2-W2C	W		1000W

☐ = MODIFICATIONS

CONDUCTOR SCHEDULE

Control Function	Conductors Size	Insulation	Conduit Run									
			1	2	3	4	5	6	7			
Vehicle Heads	#14	T.W.										
ØA				3	3	3	3	3				
ØB			3	3	3	3	3	3				
Pedestrian Heads												
ØA			2	2	2	2	2	2	4	2		
ØB			2	2	2	2	2	2	2	2		
Spares			3	3	3	3	3	3	3	3		
12V Common	#12											
120V Common	#10		1	1	1	1	1	1	1	1		
Luminaires	#8		2	2	2	2	2	2	2	2		
Signal Service												
Interconnect												
Totals	#14		8	13	13	13	13	13	17	7		
	#12											
	#10		1	1	1	1	1	1	1	1		
	#8		2	2	2	2	2	2	2	2		
Conduit Size			1 1/2"	1 1/2"	2"	2"	2 1/2"	2 1/2"	1 1/2"			



REPLACE TYPE PR 403 CONTROLLER IN 'M' CABINET WITH SOLID STATE PRE-TIMED CONTROLLER AND INTERFACE UNIT IN A NEW 'M' CABINET ON EXIST. BASE. USE EXIST. CONDUCTORS.

REPLACE 20/C, CC5 CABLE WITH 2- PAIR #19 CABLE

MODIFY EXIST. SIGNAL MOUNTING. ADD SIGNAL HEAD. USE EXIST. 3 #14 Ø 4 CIRCUIT & 1 #10 COMMON.

INSTALL SIGNAL HEAD. MODIFY MOUNTING.

120V Signal Service, 30 Amp Disconnected on Type

Street Light Service 240V, 40 Amp

MPA MOHLE, PERRY & ASSOC.

PREPARED BY: *R. J. Miller* 9/19/82
 DESIGN ERROR R.C.E. 10692 DATE

As Built striping	AS	2-3-77
As Built per Cont. TE-70-6	gmm	12-21-77
REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 12/1/82
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF PUB. WKS. ENGR.
 PUBLIC UTILITIES

TRAFFIC SIGNALS

MARKET STREET AND SEVENTH STREET

ACCOUNT No. X-120
 DRAWING NUMBER
 SHEET 25 OF 50

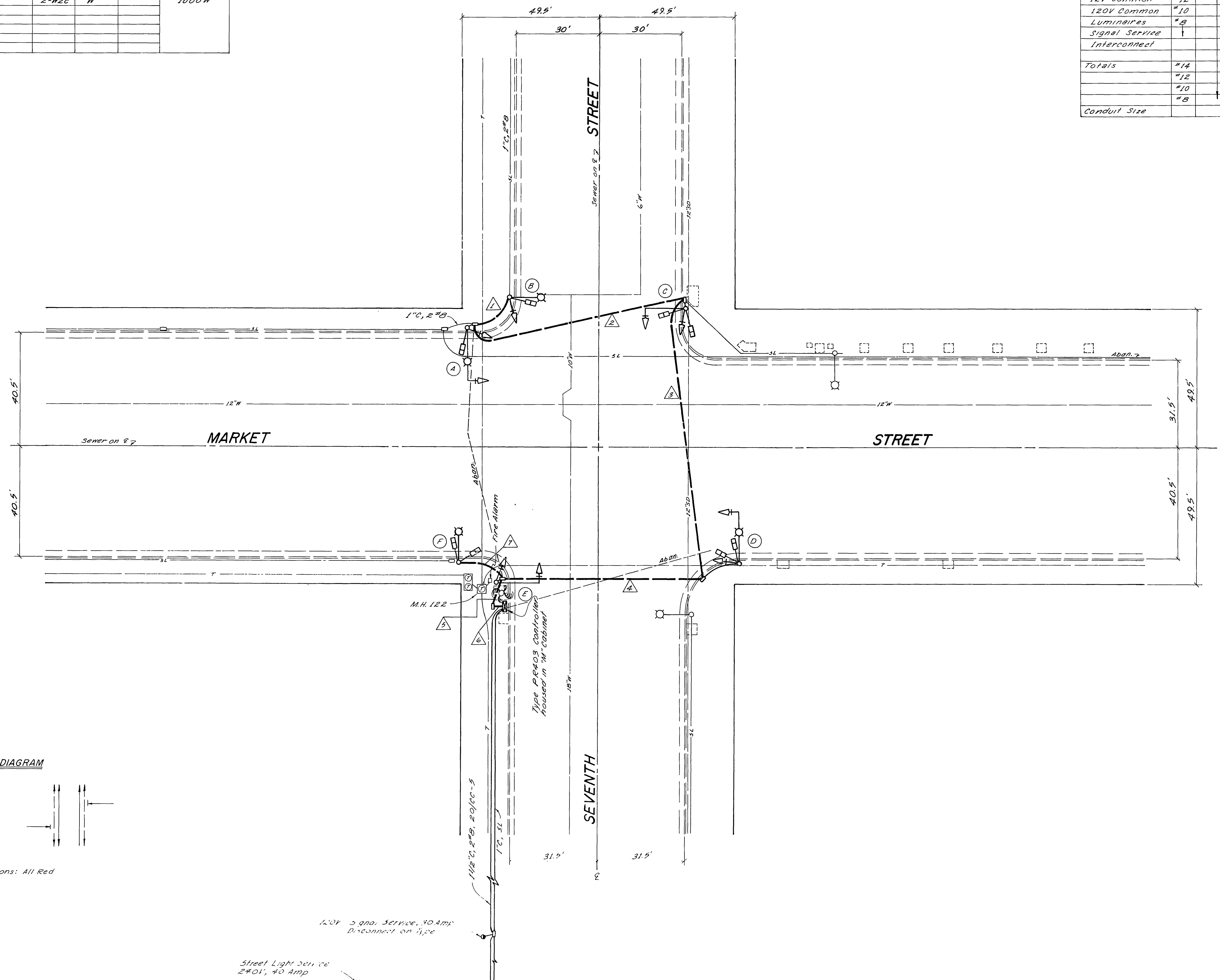
SCALE: 1"=20'

EQUIPMENT SCHEDULE

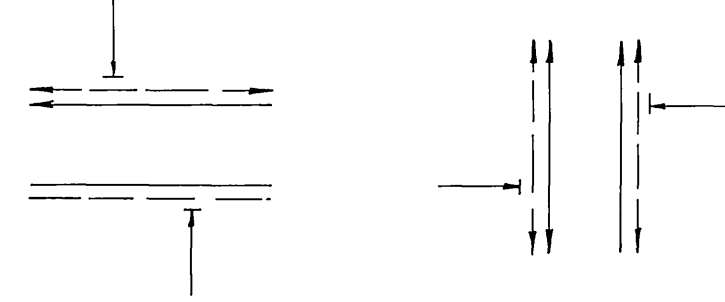
Loc.	Std.	Vehicle Equipment				Pedestrian Equipment			Luminaires
		Heads	Mtg.	Back Plate	Lens Size	Heads	Mtg.	PPB's	
A	Type II	1-W3C	B-1	1	3-8"	1-W2C	W-0		400W
B	56 AB	1-W3C	M2, 18MA	1	3-12"	1-W2C	W-0		
C	Type II	1-W3C	B-1	1	3-8"	2-W2C	W-3		
D	PUMCO	1-W3C	M2, 18MA	1	3-12"	2-W2C	W-3		1000W
E	70-7010	1-W3C	M2, 20MA	1	3-12"				
F	68 J10	1-W3C	M2, 18MA	1	3-12"	2-W2C	W		1000W

CONDUCTOR SCHEDULE

Control Function	Conductors Size Insulation	Conduit Run						
		1	2	3	4	5	6	7
Vehicle Heads	#14 T.W.		3	3	3	3	3	
ØA			3	3	3	3	3	
ØB			3	3	3	3	3	
Pedestrian Heads								
ØA			2	2	2	2	4	2
ØB			2	2	2	2	4	2
Spares			3	3	3	3	3	3
12V Common	#12							
120V Common	#10		1	1	1	1	1	1
Luminaires	#8		2	2	2	2	2	2
Signal Service Interconnect								
Totals	#14		8	13	13	13	17	7
	#12							
	#10		1	1	1	1	1	1
	#8							
Conduit Size			1 1/2"	1 1/2"	2"	2"	2 1/2"	1 1/2"



PHASE DIAGRAM



Flashing Indications: All Red

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		TRAFFIC SIGNALS MARKET STREET AND SEVENTH STREET		ACCOUNT No. DRAWING NUMBER X-120
DESIGNED BY DRAWN BY JAH CHECKED BY	REVISIONS AS BUILT STRIPING AS BUILT PER CONTRACT	APPROVED BY DIRECTOR OF PUBLIC WORKS	DATE	SCALE: 1" = 20'