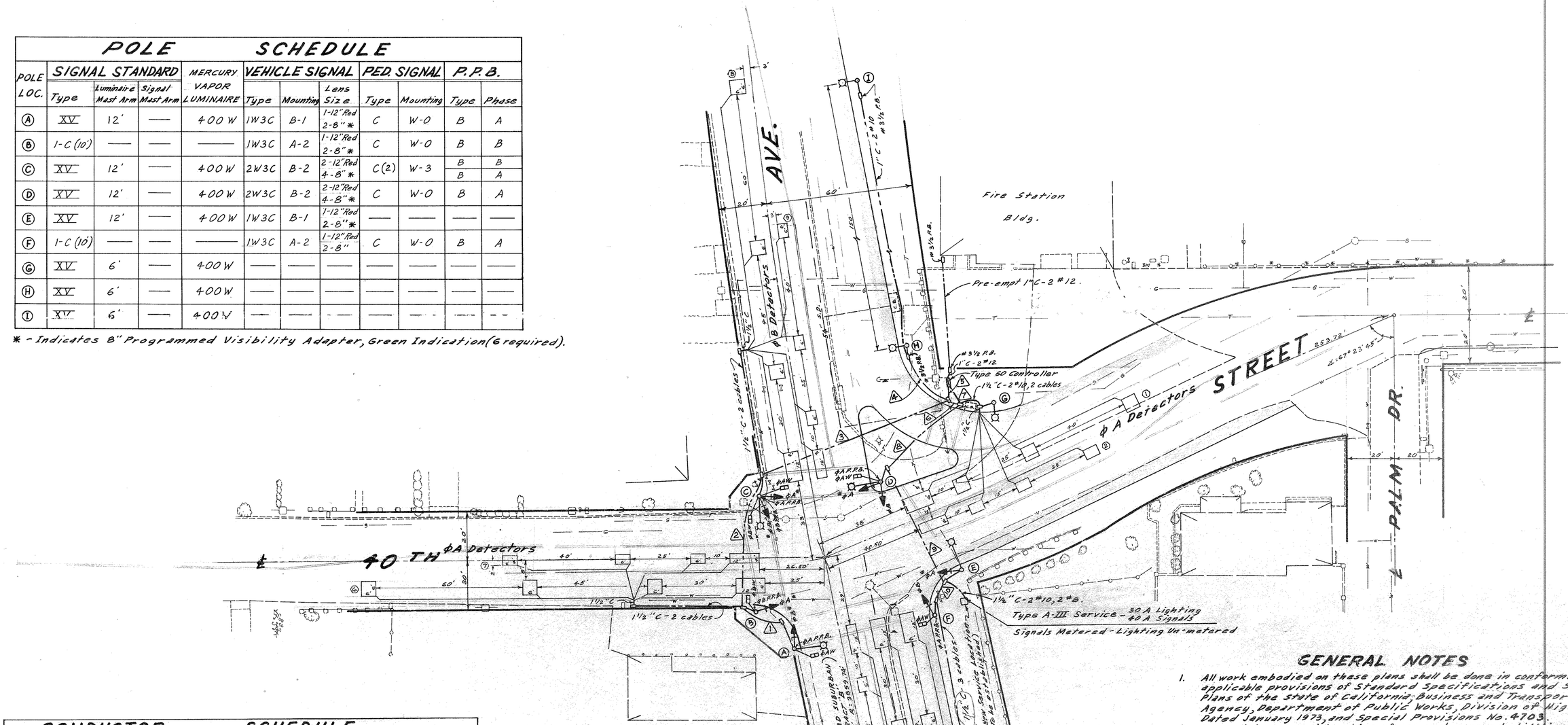
POLE SCHEDULE

POLE LOC.	SIGNAL STANDARD Type	Luminaire Mast Arm	Signal Mast Arm	MERCURY VAPOR LUMINAIRE	VEHICLE SIGNAL Type	Mounting	Lens Size	PED. SIGNAL Type	Mounting	P.P.B. Type	Phase
Ⓐ	XV	12'	—	400 W	1W3C	B-1	1-12" Red 2-8" *	C	W-0	B	A
Ⓑ	1-C (10')	—	—	—	1W3C	A-2	1-12" Red 2-8" *	C	W-0	B	B
Ⓒ	XV	12'	—	400 W	2W3C	B-2	2-12" Red 4-8" *	C(2)	W-3	B B	B A
Ⓓ	XV	12'	—	400 W	2W3C	B-2	2-12" Red 4-8" *	C	W-0	B	A
Ⓔ	XV	12'	—	400 W	1W3C	B-1	1-12" Red 2-8" *	—	—	—	—
Ⓕ	1-C (10')	—	—	—	1W3C	A-2	1-12" Red 2-8"	C	W-0	B	A
Ⓖ	XV	6'	—	400 W	—	—	—	—	—	—	—
Ⓗ	XV	6'	—	400 W	—	—	—	—	—	—	—
Ⓘ	XV	6'	—	400 W	—	—	—	—	—	—	—

* - Indicates 8" Programmed Visibility Adapter, Green Indication (6 required).



CONDUCTOR SCHEDULE

Conductor Run	1			2			3			4			5			6			7			8			9			10		
Conductor Size	14	10	8	14	10	8	14	10	8	14	10	8	14	10	8	14	10	8	14	10	8	14	10	8	14	10	8	14	10	8
φA					3			3						3						3			3			3				
φB		3			3			3						3						3			3			3			3	
φA Ped. Signal		2			2			2						2						2			2			2			2	
φB Ped. Signal					2			2						2																
Spares		3			3			3						3						3			3			3			3	
Signal Neutral (120V)			1			1			1						1						1			1			1			1
φA P.P.B.		1			1			2						2						2			2			1			1	
φB P.P.B.					1			2						2																
P.P.B. Neutral (12V)		1			1			1						1						1			1			1			1	
Luminaires			2			2			2			2						2						2			2			
Controller Service																					2			2			2			
TOTAL CONDUCTORS	10	3		16	3		18	3			2		18	1			2		14	1	2	14	3	2	13	3	2	10	1	
Det. Lead-in Cables																														
φA Detectors					2			2						2						2										
φB Detectors								2						2						3			3			3			3	
TOTAL CABLES					2			4						4						5			3			3			3	
CONDUIT SIZE		1½"			2"			2½"			1"			2½"			1"			3"			2½"			2½"			2"	

PHASING DIAGRAM

Vehicle & Pedestrian Movements

Vehicle Timing

Pedestrian Timing

Phase A

Phase B

Pre-empt

φA WB Green, D/W;
All others Red, D/W.

SCALE: 1" = 20'

GENERAL NOTES

1. All work embodied on these plans shall be done in conformity with applicable provisions of Standard Specifications and Standard Plans of the State of California, Business and Transportation Agency, Department of Public Works, Division of Highways, Dated January 1973, and Special Provisions No. 4703.
2. The existence and location of any underground utilities, pipes, or substructures shown on these plans are obtained by a search of available records and to the best of our knowledge there are no existing utilities except as shown on these plans. The Contractor is required to take due precautionary measures to protect the utility lines shown and any other lines, pipes or substructures not of record or not shown on these plans.
3. All Pull Boxes shall be #5 except as shown otherwise.
4. Photoelectric Control for street lighting to be installed by So. Calif. Edison Co.
5. Install a Type 60 Controller in a Type "M" Cabinet. Nine Sensor Units and Two spare Sensor Units are to be provided.
6. ① - Indicates Loop Detectors in one lane connected to one Lead-in Cable.
7. Mercury Vapor Luminaires shall have integral ballasts (240 Volts).
8. Fire pre-empt is WB Green, D/W; all others Red, D/W. Phase A signal heads shall be wired separately for eastbound and westbound displays as required to provide the fire pre-emption described in the Special Provisions.
9. Existing Luminaires to be removed by others.
10. Street Improvements to be installed by others in accordance with Plan No. 4717 prior to the installation of Traffic Signals and Lighting.
11. Removal of existing stop signs and traffic stripes to be done by City Forces.
12. Installation of street name signs and new traffic stripes to be done by City Forces.

REV. NO.	REVISION	DATE	APPROVED
②	New Service Location. Changed Conductor Schedule Run 4, 5, 7, 8, 9.	Feb. 10, 1975	
①	Added General Notes #10, #11, #12.	Jan. 22, 1975	

APPROVED 1-21 1975
CITY ENGINEER
REGISTERED CIVIL ENGINEER NO. 13653

DEPARTMENT OF ENGINEERING
CITY OF SAN BERNARDINO

4-0TH ST. AND ELECTRIC AVE.
TRAFFIC SIGNALS AND LIGHTING

DRAWING NO. 4703
SHEET 1 OF 1 SHEETS
DRAWN BY RUBEN
CHECKED BY R.E.W. RGH
RECOMMENDED R. Wilts