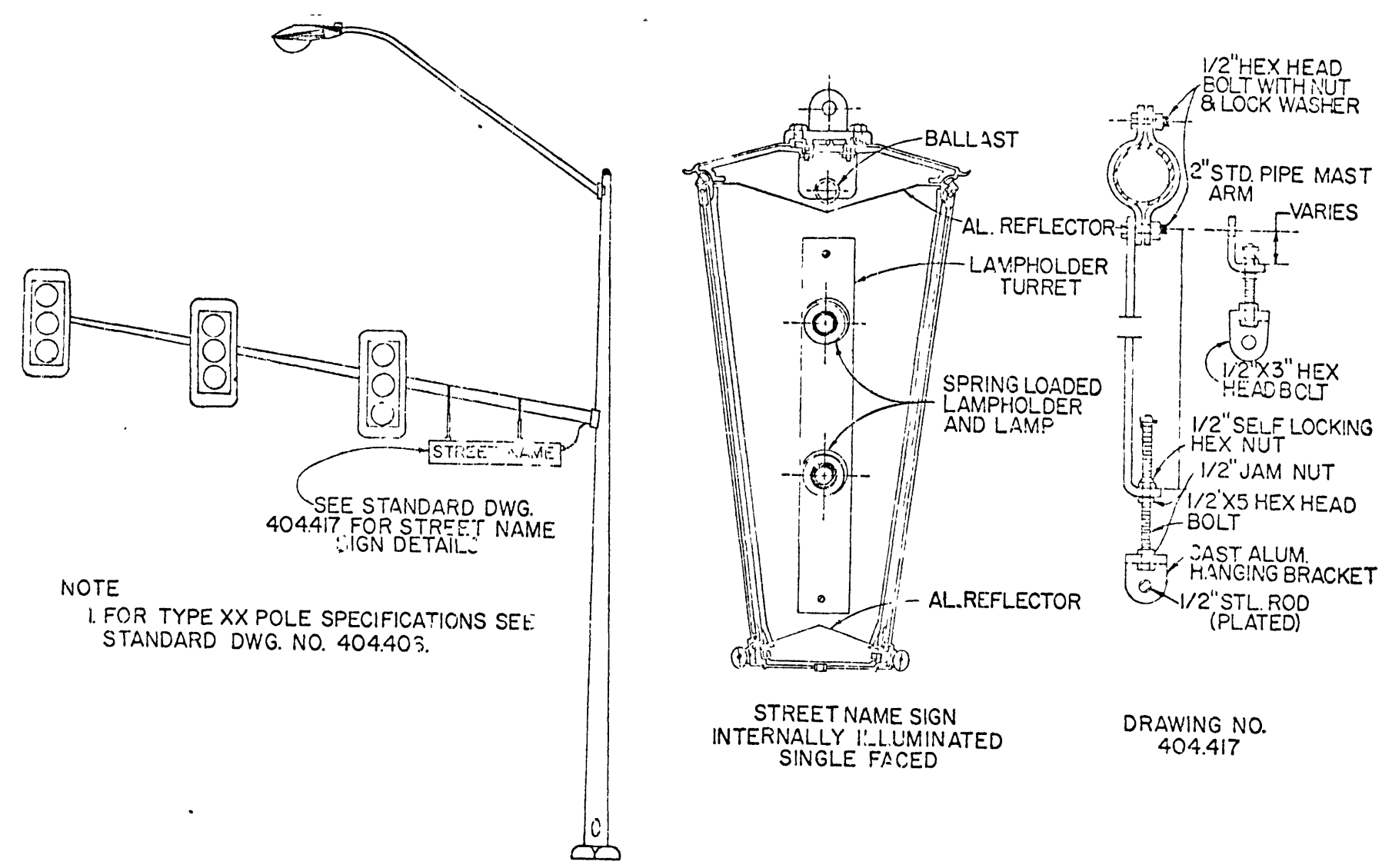
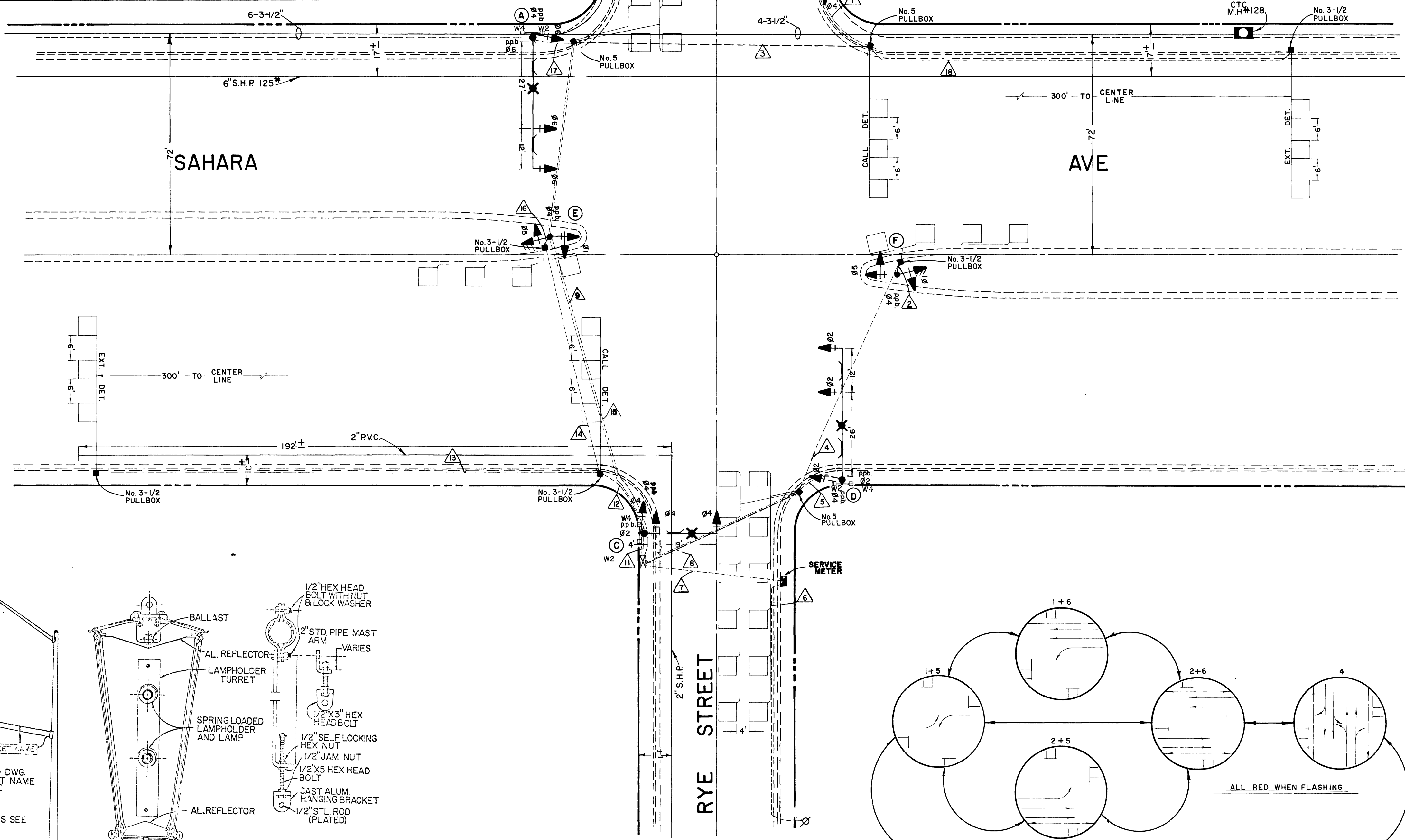
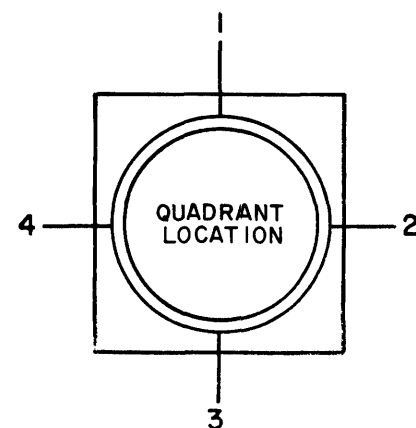
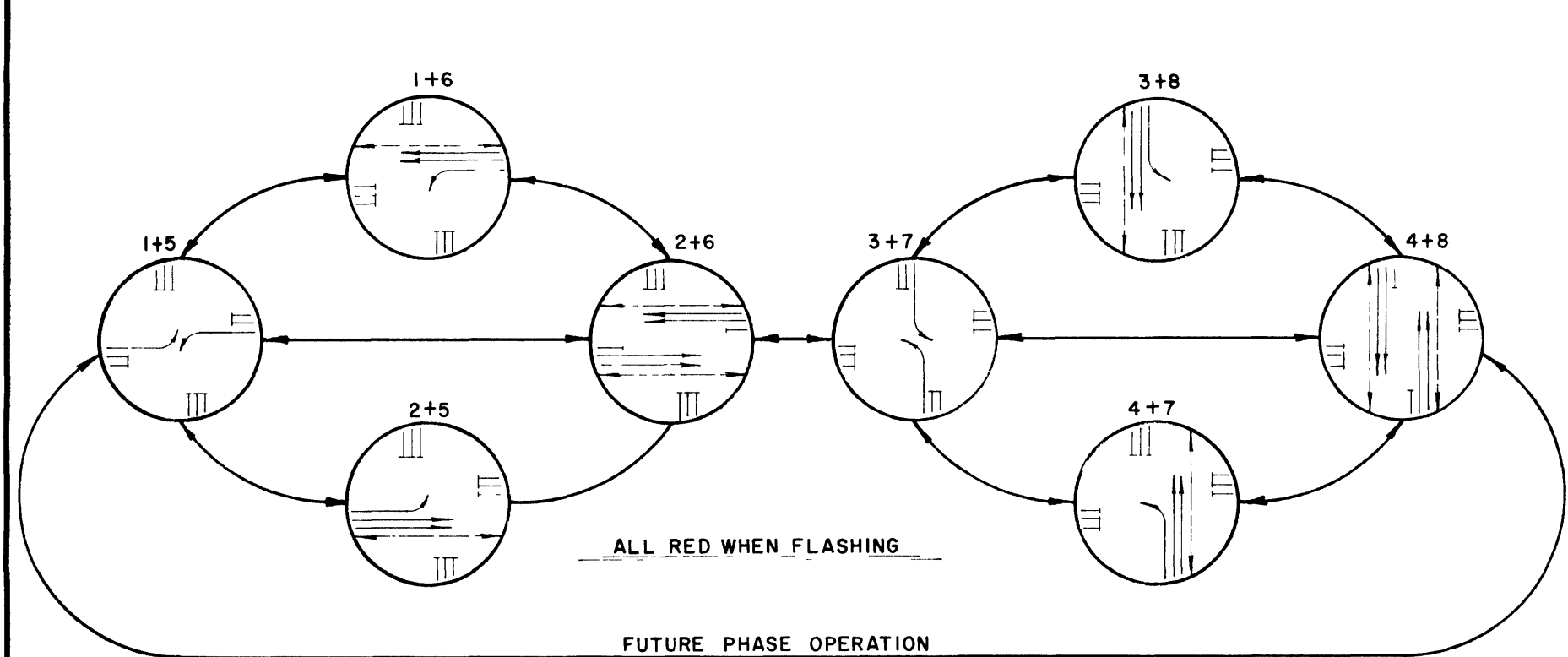


POLE SCHEDULE									
No.	GA.	TYPE	POLE			SIGNALS (VEH)		SIGNALS (PED)	
			SIGNAL ARM	LUM. ARM	QUAD. LENGTH	QUADRANT	TYPE	QUADRANT	MOUNTING
A	20	3	39'	3	15'	MA	(2)IW3C M-2	1	W-3
B	20	4	31'	4	15'	MA	(2)IW3C M-2	2	W-3
C	20	2	23'	2	15'	MA	(2)IW3C M-2	4	W-3
D	20	1	38'	1	15'	MA	(2)IW3C M-2	3	W-3
E	I-A					TOP	IW3C A-6		
F	I-A					TOP	IW3C A-6		

NOTE:

- 0 INDICATES PROGRAMED VISIBILITY HEAD.
- ALL LUMINAIR ARMS SHALL BE DESIGNED FOR "SV" MOUNTING.
- AN "R" SIGN SHALL BE INSTALLED ON POLES E & F SIGNS TO READ LEFT TURN OR TURN ON GREEN ARROW ONLY.



37291

CONDUIT - CABLE SCHEDULE									
RUN No.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE		LEADS LIGHTING		CIR INTERCONNECT	
				TO CONDUIT	DET. 14 AWG	TO CONDUIT	DET. 14 AWG	TO CONDUIT	DET. 14 AWG
1	PULLBOX	POLE "B"	2"		X		X		
2	PULLBOX	POLE "F"	2"	X					
3	PULLBOX	PULLBOX	2"		X		XX	X	
4	PULLBOX	PULLBOX	2"	X			X		
5	PULLBOX	POLE "D"	2"		X		X		
6	SERVICE POINT	PADMOUNT	2"						X
7	PADMOUNT	CONTROLLER	2"						X
8	CONTROLLER	PULLBOX	2"	X	X		XXX	X	
9	CONTROLLER	PULLBOX	2"		X		XX	X	
10	CONTROLLER	POLE "C"	2"		X		X		X
11	CONTROLLER	PULLBOX	2"	X			XXX		
12	PULLBOX	PULLBOX	1"				X		
13	PULLBOX	PULLBOX	2"	X			X		
14	CONTROLLER	PULLBOX	2"		X		XX	X	
15	PULLBOX	POLE "E"	2"	X					
16	PULLBOX	POLE "A"	2"		X		X		
17	PULLBOX	PULLBOX	1"				X		

NOTE:

- CHECK CONDUIT & CABLE SCHEDULE FOR CONDUIT, CABLE & WIRE SIZE.
- LINE SIDE OF METER TO BE WIRED WITH THREE #2 A.W.G. T.H.W. LOAD SIDE SHALL BE WIRED WITH FOUR #4 A.W.G. (THREE BLACK AND ONE WHITE).
- THE ROUTING AND TERMINATION OF CONDUITS & THE PLACING OF POLES & CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
- SIGNAL CABLES SHALL BE A 20 & 10 CONDUCTOR #14 A.W.G. CABLE I.M.S.A. SPEC. 20-1.
- LOOP CABLE SHALL BE ONE TWISTED PAIR OF #12 A.W.G. CABLE I.M.S.A. SPEC. 19-2.
- ALL SIGNAL LENSE SHALL BE 12".
- LUMINAIR SHALL BE 400 WATTS HIGH PRESSURE SODIUM CUTOFF (G.E. M-400A) WITH MC-111 DISTRIBUTION AND INDIVIDUAL P.E. CONTROL AND BUILT IN BALLAST (120 V.A.C.).
- CONTROLLER SHALL BE PAINTED WHITE INSIDE AND OUTSIDE.
- CONTROLLER SHALL BE HOUSED IN A TYPE "R" CABINET WITH EXHAUST FAN AND THERMOSTAT CONTROL.
- EACH LOOP DETECTOR LEAD-IN REPRESENTS A SEPARATE AMPLIFIER UNIT REQUIRED (TEN (10) REQUIRED).
- ALL NECESSARY AMPLIFIER UNITS, MODULES, LIGHT CONTROL UNITS, SWITCHES, FLASHERS, ETC., SHALL BE WIRED IN CABINET TO ACTIVATE THE FIVE PHASE OPERATION AS SHOWN IN DIAGRAM. IN ADDITION ALL EQUIPMENT NECESSARY (EXCEPT THE MODULES AND DETECTOR AMPLIFIERS) FOR FUTURE EXPANSION TO EIGHT PHASE OPERATION (FOUR PHASE WITH DENSITY TIMING WITH PED. FEATURES AND FOUR LEFT TURNS) SHALL BE WIRED INTO THE CABINET. ALL JUMPER WIRES TO BE MARKED WITH DIFFERENT COLOR WIRE AND MARKED ON PRINT.
- SERVICE SHALL HAVE 1-60 AMP. SINGLE POLE BREAKER FOR SIGNAL AND 2-40 AMP. SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE A 100 AMP PADMOUNT.
- EACH STREET LIGHT LUMINAIRE SHALL BE FUSED IN CABINET USING IN LINE FUSE-HOLDERS.
- ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL BE 9" x 12" WITH FULL MOUNTING BRACKET.
- ALL CABLE AND WIRING SHALL BE INSTALLED TERMINAL TO TERMINAL NO SPLICES ALLOWED.
- POLES A, B, C, & D SHALL HAVE INTERNALLY ILLUMINATED STREET NAME SIGNS INSTALLED. THE SIGNS SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL FOR CONTROL.
- STREET NAME SIGNS ON POLE "D" SHALL READ "SPANISH OAKS". ON ONE SIGN AND RYE ST. ON THE OTHER SIGN. POLE "A" SHALL READ "SPANISH OAKS DR." ON ONE SIGN AND "RYE ST." ON THE OTHER SIGN. ON POLES "B" & "C" STREET NAME SIGN SHALL READ "SAHARA AVE."
- EACH LOOP SHALL BE 6' x 6' WITH 9' BETWEEN EACH LOOP, UNLESS SPECIFIED DIFFERENT, AND LOCATED BY ENGINEER.
- WIRING FOR PUSH BUTTONS SHALL BE #14 A.W.G. THWN 5/64 INSULATION.
- TWO R3-10 SIGNS (24" x 30") REQUIRED.

CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC SERVICES

TRAFFIC ENGINEERING DIVISION

TRAFFIC SIGNAL

SAHARA AVE @ SPANISH OAKS DR & RYE ST

W.O. NO. 3393

SCALE NONE

DATE 1-12-78

APPROVED BY TRAFFIC ENGINEER

APPROVED BY DIRECTOR OF PUBLIC SERVICES

DRAWING NO. 208-V18

FILE NO.

SHEET 8 OF 14

6-25-79
1-12-78
DATE