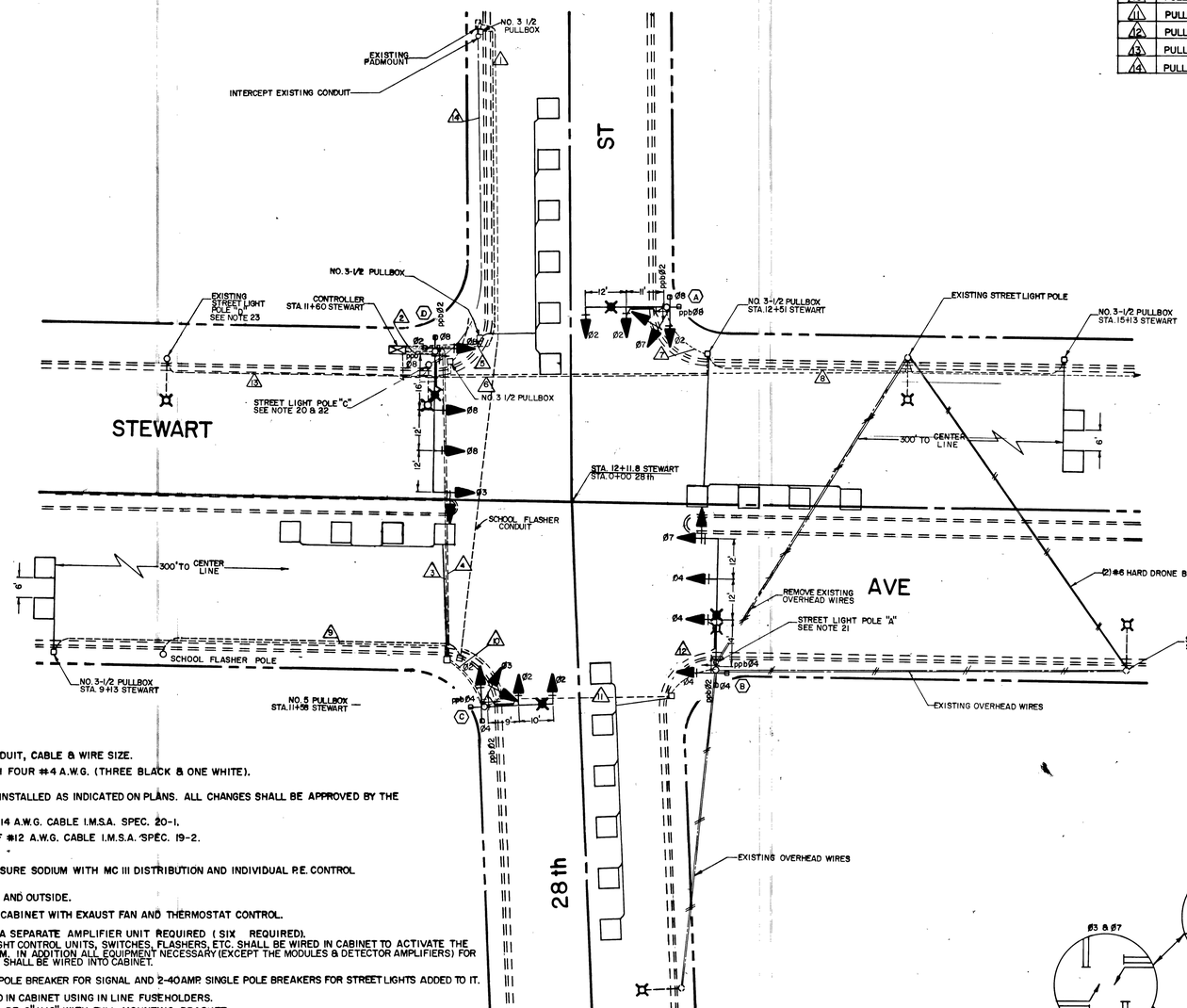
POLE SCHEDULE

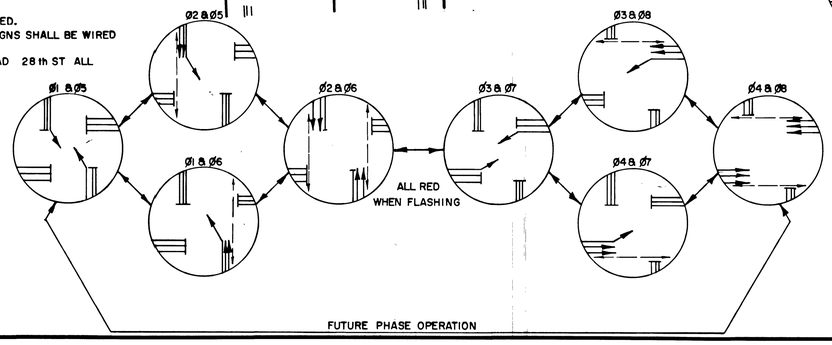
NO.	STATION	GA.	TYPE	POLE: SIGNAL ARM QUAD.	SIGNAL ARM LENGTH	LUM. ARM QUAD.	LUM. ARM LENGTH	SIGNALS (VEH) QUADRANT	SIGNALS (VEH) TYPE MOUNT	SIGNALS (PED) QUADRANT	SIGNALS (PED) MOUNTING	PED. PUSH BUTTON QUADRANT	PED. PUSH BUTTON ARROW
A	0+52 28th		20	4	23'	4	15'	MA	(2) W3C M-2	2	W-3	3	LT
								2	2W3C B-2			4	RT
B	12+60 STEWART		20	1	38'	1	15'	MA	(2) W3C M-2 W3C B-2	3	W-3	4	LT
								3	W3C B-1			1	RT
C	-0+59 28th		20	2	19'	2	15'	MA	(2) W3C M-2	4	W-3	1	LT
								4	2W3C B-1			2	RT
D	11+72 STEWART		20	3	40'	3	15'	MA	(2) W3C M-2 W3C B-2	1	W-3	2	LT
								1	W3C B-1			3	RT

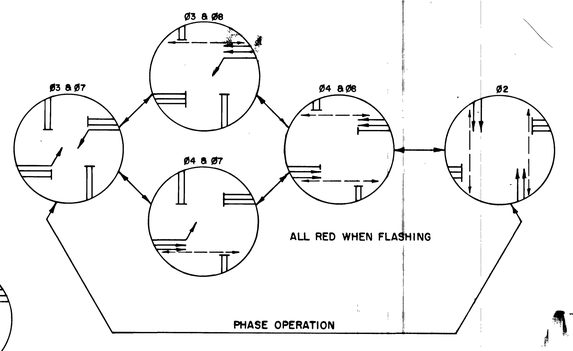
1. ALL LUMINAIRE ARMS SHALL BE DESIGNED FOR "SV" MOUNTING.
2. AN "R3-10" SIGN SHALL BE INSTALLED ON POLES "B" & "D".
3. "a" INDICATES PROGRAMED VISIBILITY SIGNAL HEAD

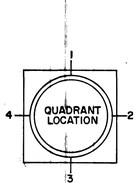
CONDUIT & CABLE SCHEDULE

RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE: 10 CON. 14AWG	20 CON. 14AWG	DET. LEADS: 2 CON. 14 AWG	LOOPS	LIGHTING CIR.: LUM. 10 AWG	FLASH 12 AWG	INTERCONNECT	SERVICE
1	PADMOUNT	CONTROLLER	2"								X
2	CONTROLLER	POLE "D"	2"		X			X			
3	CONTROLLER	PULLBOX	2"		X		XX	X			
4	CONTROLLER	PULLBOX	2"		X		X	X			
5	CONTROLLER	PULLBOX	1"				X				
6	CONTROLLER	PULLBOX	2"		X		XX	X			
7	PULLBOX	POLE "A"	2"		X			X			
8	PULLBOX	PULLBOX	1"				X				
9	PULLBOX	PULLBOX	1"				X				
10	PULLBOX	POLE "C"	2"		X			X			
11	PULLBOX	PULLBOX	2"		X		X	X			
12	PULLBOX	POLE "B"	2"		X			X			
13	PULLBOX	STREET LIGHT POLE	1-1/4"	2 #4 THW, 1 #8 GREEN THW COPPER WIRE							
14	PULLBOX	PADMOUNT	EXISTING 1-1/4"	2 #4 THW, 1 #8 GREEN THW COPPER WIRE							









NOTE:

1. CHECK CONDUIT & CABLE SCHEDULE FOR CONDUIT, CABLE & WIRE SIZE.
2. LOAD SIDE OF METER SHALL BE WIRED WITH FOUR #4 A.W.G. (THREE BLACK & ONE WHITE).
3. ALL POLES, PULLBOXES & CONDUITS SHALL BE INSTALLED AS INDICATED ON PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
4. SIGNAL CABLE SHALL BE A 20 CONDUCTOR #14 A.W.G. CABLE I.M.S.A. SPEC. 20-1.
5. LOOP CABLE SHALL BE ONE TWISTED PAIR OF #12 A.W.G. CABLE I.M.S.A. SPEC. 19-2.
6. ALL SIGNAL LENSE SHALL BE 12".
7. LUMINAIRE SHALL BE 400 WATTS HIGH PRESSURE SODIUM WITH MC III DISTRIBUTION AND INDIVIDUAL P.E. CONTROL AND BUILT IN BALLAST (120 V.A.C.).
8. CONTROLLER SHALL BE PAINTED WHITE INSIDE AND OUTSIDE.
9. CONTROLLER SHALL BE HOUSED IN A TYPE "R" CABINET WITH EXAUST FAN AND THERMOSTAT CONTROL.
10. EACH LOOP DETECTOR LEAD-IN REPRESENTS A SEPARATE AMPLIFIER UNIT REQUIRED (SIX REQUIRED).
11. 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 & DETECTOR AMPLIFIERS) FOR FUTURE EXPANSION TO EIGHT PHASE OPERATION SHALL BE WIRED INTO CABINET.
12. EXISTING SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL AND 2-40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS ADDED TO IT.
13. EACH STREET LIGHT LUMINAIRE SHALL BE FUSED IN CABINET USING IN LINE FUSEHOLDERS.
14. ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL BE 9" X 12" WITH FULL MOUNTING BRACKET.
15. ALL CABLE AND WIRING SHALL BE INSTALLED TERMINAL TO TERMINAL WITH NO SPLICES ALLOWED.
16. 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.
17. STREET NAME SIGNS ON POLES "A" & "C" SHALL READ STEWART AVE ON POLES "B" & "D" SHALL READ 28th ST ALL STREET NAME SIGNS SHALL CONFORM TO C.L.V. STANDARD 404.417.
18. ALL SIGNAL POLES SHALL CONFORM TO C.L.V. STANDARD 404.406.
19. EACH LOOP SHALL BE 6' X 6' WITH 9' BETWEEN EACH LOOP, UNLESS SPECIFIED DIFFERENT.
20. REMOVE EXISTING STREET LIGHT POLE AND REPLACE WITH NO. 3-1/2 STREET LIGHT PULLBOX.
21. REMOVE EXISTING STREET LIGHT POLE "A" AND INSTALL ON STREET LIGHT POLE "B" FOUNDATION.
22. REMOVE EXISTING STREET LIGHT POLE "C" AND INSTALL ON STREET LIGHT POLE "D" FOUNDATION.
23. REMOVE EXISTING STREET LIGHT POLE AND RETURN TO ELECTRICAL SHOP CITY YARDS 3100 E BONANZA RD.

AS BUILT
17 July 1980
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Revisions | Date

Scale 1" = 20' | Date 2-2-79 | W.O. no. 3494

Design by G. DAMMEIR | Drawn by J. CARLSON

Approved by Supervisor of Traffic — Date 4-2-79

Approved by the Director of Public Services — Date 4/3/79

Department of Public Services — Traffic Engineering Division

STEWART AVE & 28th ST

TRAFFIC SIGNAL

CITY OF LAS VEGAS NEVADA CLARK COUNTY

Drawing no. 208-V277

4/952