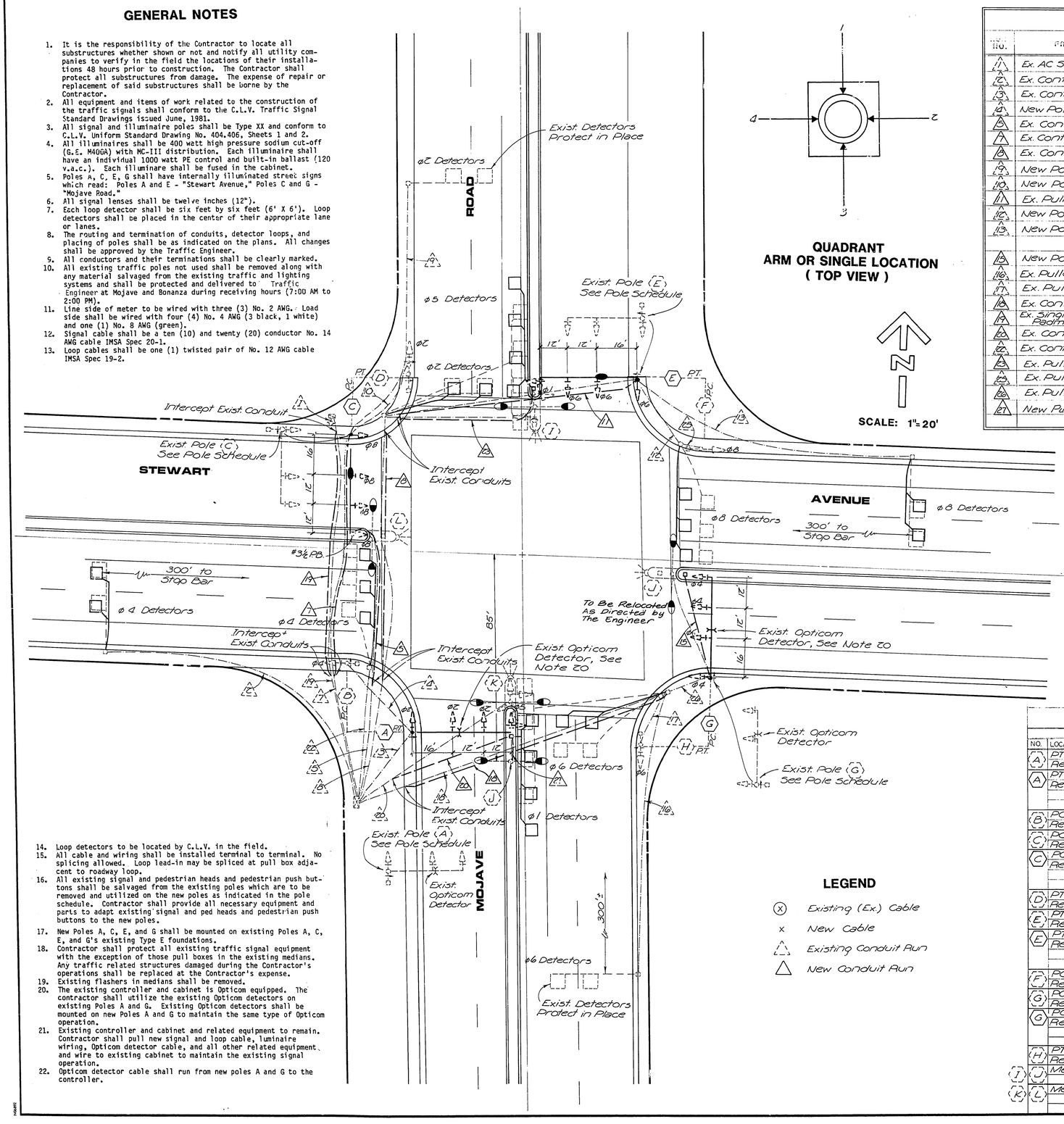
GENERAL NOTES

1. It is the responsibility of the Contractor to locate all substructures whether shown or not and notify all utility companies to verify in the field the locations of their installations 48 hours prior to construction. The Contractor shall protect all substructures from damage. The expense of repair or replacement of said substructures shall be borne by the Contractor.
2. All equipment and items of work related to the construction of the traffic signals shall conform to the C.L.V. Traffic Signal Standard Drawings issued June, 1981.
3. All signal and illuminaire poles shall be Type XX and conform to C.L.V. Uniform Standard Drawing No. 404.406, Sheets 1 and 2.
4. All illuminaires shall be 400 watt high pressure sodium cut-off (G.E. M400A) with MC-III distribution. Each illuminaire shall have an individual 1000 watt PE control and built-in ballast (120 v.a.c.). Each illuminare shall be fused in the cabinet.
5. Poles A, C, E, G shall have internally illuminated street signs which read: Poles A and E - "Stewart Avenue," Poles C and G - "Mojave Road."
6. All signal lenses shall be twelve inches (12").
7. Each loop detector shall be six feet by six feet (6' X 6'). Loop detectors shall be placed in the center of their appropriate lane or lanes.
8. The routing and termination of conduits, detector loops, and placing of poles shall be as indicated on the plans. All changes shall be approved by the Traffic Engineer.
9. All conductors and their terminations shall be clearly marked.
10. All existing traffic poles not used shall be removed along with any material salvaged from the existing traffic and lighting systems and shall be protected and delivered to Traffic Engineer at Mojave and Bonanza during receiving hours (7:00 AM to 2:00 PM).
11. Line side of meter to be wired with three (3) No. 2 AWG. Load side shall be wired with four (4) No. 4 AWG (3 black, 1 white) and one (1) No. 8 AWG (green).
12. Signal cable shall be a ten (10) and twenty (20) conductor No. 14 AWG cable IMSA Spec 20-1.
13. Loop cables shall be one (1) twisted pair of No. 12 AWG cable IMSA Spec 19-2.



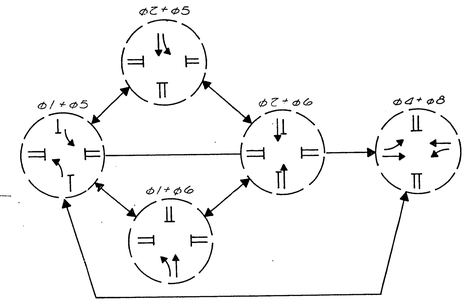
QUADRANT ARM OR SINGLE LOCATION (TOP VIEW)

N

SCALE: 1"= 20'

CONDUIT & CABLE SCHEDULE

NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE 10 CON. 14 AWG	DET. LEADS 2 CON. 14 AWG	LIGHTING CABLE LUM. 3 CON. 8 AWG	LIGHTING CABLE FLASH. 2 CON. 8 AWG	INTERCONNECT	SERVICE	REMARKS
1	Ex. AC Service	Ex. Single Meter Padmount	Ex. 2"		Use Exist. Service				X	Project in Place
12	Ex. Controller	Ex. Pullbox	Ex. 1"		(X)	(X)				
3	Ex. Controller	New Pole A	Ex. 2"	(X)						
4	New Pole A	Ex. Pole B	Ex. 2"	(X)						
5	Ex. Controller	Pullbox	Ex. & New 1½"							For Future ϕ7 Det.
6	Ex. Controller	New Pole C	Ex. 2 New 2"		X	X	XX			
7	Ex. Controller	Ex. Pullbox	Ex. & New 2"		X	XXX	XX			
9	New Pole C	Ex. Pullbox	Ex. 1"			X				
10	New Pole C	Ex. Pole D	Ex. 2"	(X)						
11	Ex. Pull	New Pole E	New 2"		X	XXX	XX			
12	New Pole E	Ex. Pullbox	Ex. 2"	(X)		X				
13	New Pole	Ex. Pullbox	Ex. 1"			XX				
15	New Pole G	New Pullbox	New 1"							For Future ϕ3 Det.
16	Ex. Pullbox	Ex. Pullbox	Ex. 1"			X				
17	Ex. Pullbox	Ex. Pole H	Ex. 2"	X						
18	Ex. Controller	Ex. Pullbox	Ex. & New 2"		X	XX				
19	Ex. Single Meter Padmount	Ex. Controller	Ex. & New 2"						X	
20	Ex. Controller	New Pullbox	Ex. & New 1½"			X	XX			
22	Ex. Controller	Ex. Pullbox	Ex. 1"			(X)				
23	Ex. Pullbox	New Pullbox	New 1"			X				
24	Ex. Pullbox	Ex. Pole F	Ex. 2"	(X)						
26	Ex. Pullbox	New Pole G	Ex. 2"	X	X					
27	New Pullbox	Relocated Ex. Pole J	New 2"				XX			



EXISTING PHASING

LEGEND

- (X) Existing (Ex.) Cable
- x New Cable
- Existing Conduit Run
- New Conduit Run

POLE SCHEDULE

NO.	POLE LOCATION	POLE TYPE	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUM. ARM QUAD	LUM. ARM LENGTH	SIGNALS - VEHICLE TYPE	SIGNALS - VEHICLE MOUNT	SIGNALS - VEHICLE QUAD	SIGNALS - PED MOUNT	SIGNALS - PED PHASE	PED. BUTTON QUAD	PED. BUTTON ARROW	REMARKS
(A)	PT SW	xx	Exist. Pole to be Removed. Exist. Foundation, Signal											
	Return		and Ped. Heads & Ped. Push Buttons to be used for New Pole A.											
(A)	PT SW	xx-20'	2	40'	2	15'	M-2		MA	W-OT	4	3	Rt.	Use signal & ped heads & ped push button from ex. poles A & K
	Return						M-2		MA					
							M-3		MA					
							B-17		4					
(B)	PC SW	1-A												Ex. Pole to Remain
	Return													
(C)	PC NW	xx	Exist. Pole to be Removed. Exist. Foundation, Signal and											
	Return		Ped. Heads & Ped. Push Buttons to be used for New Pole C.											
(C)	PC NW	xx-30'	3	40'	3	15'	M-2		MA	W-OT	1	4	Rt.	Use signal & ped heads & ped push button from Ex. poles C & K
	Return						M-2		MA					
							M-2		MA					
							B-5T		1					
(D)	PT NW	1-A												Exist. Pole to Remain
	Return													
(E)	PT NE	xx	Exist. Pole to be Removed. Exist. Foundation, Signal and											
	Return		Ped. Heads & Ped. Push Buttons to be used for New Pole E											
(E)	PT NE	xx-30'	4	40'	4	15'	M-2		MA	W-OT	2	1	Rt.	Use signal & ped heads & ped push button from Ex. poles E & I
	Return						M-2		MA					
							M-3		MA					
							B-17		2					
(F)	PC NE	1-A												Exist. Pole to Remain
	Return													
(G)	PC NE		Exist. Pole to be Removed. Exist. Foundation, Signal and											
	Return		Ped. Heads & Ped. Push Buttons to be used for New Pole G											
(G)	PC SE	xx	1	40'	1	15'	M-2		MA	W-OT	3	2	Rt.	Use signal & ped heads & ped push button from Ex. poles G & I
	Return	20'					M-2		MA					
							M-2		MA					
							B-5T		3					
(H)	PT SE	1-A												Exist. Pole to Remain
	Return													
(I) (J)	Median		Exist. Pole I to be Removed. Exist. Signal Heads to be used											
			on New Poles E & G. Relocate Ex. Pole J to Median in Mojave, as shown.											
(K) (L)	Median		Exist. Pole to be Removed. Exist. Signal Heads to be used											
			on New Poles A & C.											

REVISIONS		
NO.	DESCRIPTION/DATE	BY

8/14/84

SPARKS, NEVADA LAS VEGAS, NEVADA SEATTLE, WASHINGTON
incorporated
ENGINEERS/PLANNERS

CITY OF LAS VEGAS
STEWART AVENUE
28TH STREET TO NELLIS BOULEVARD

TRAFFIC SIGNAL MOJAVE ROAD

JOB NO. 2 241 005 821
DESIGNED FH/AC
DRAWN
COMP.
CHECKED
DATE 1-6-84

40

41 OF 47 SHEETS

14. Loop detectors to be located by C.L.V. in the field.
15. All cable and wiring shall be installed terminal to terminal. No splicing allowed. Loop lead-in may be spliced at pull box adjacent to roadway loop.
16. All existing signal and pedestrian heads and pedestrian push buttons shall be salvaged from the existing poles which are to be removed and utilized on the new poles as indicated in the pole schedule. Contractor shall provide all necessary equipment and parts to adapt existing signal and ped heads and pedestrian push buttons to the new poles.
17. New Poles A, C, E, and G shall be mounted on existing Poles A, C, E, and G's existing Type E foundations.
18. Contractor shall protect all existing traffic signal equipment with the exception of those pull boxes in the existing medians. Any traffic related structures damaged during the Contractor's operations shall be replaced at the Contractor's expense.
19. Existing flashers in medians shall be removed.
20. The existing controller and cabinet is Opticom equipped. The contractor shall utilize the existing Opticom detectors on existing Poles A and G. Existing Opticom detectors shall be mounted on new Poles A and G to maintain the same type of Opticom operation.
21. Existing controller and cabinet and related equipment to remain. Contractor shall pull new signal and loop cable, luminaire wiring, Opticom detector cable, and all other related equipment and wire to existing cabinet to maintain the existing signal operation.
22. Opticom detector cable shall run from new poles A and G to the controller.

16-4-84

107-V8190