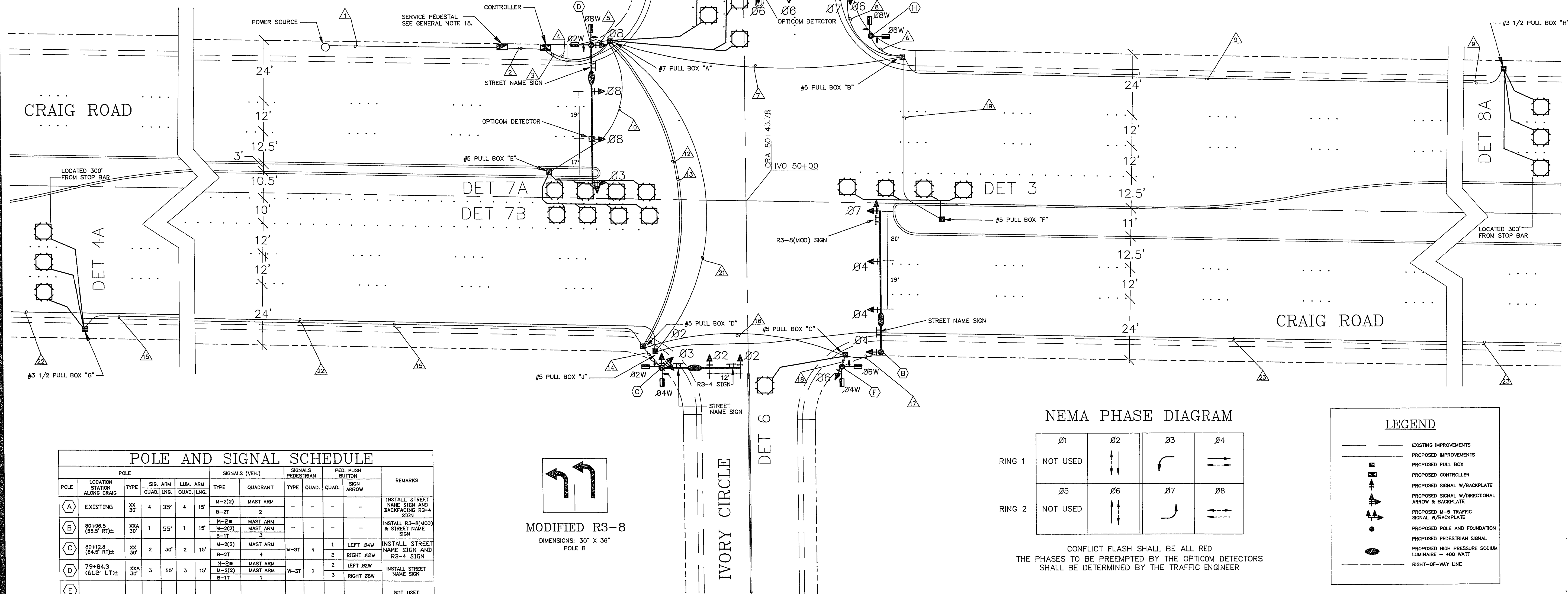


CONDUIT & WIRE SCHEDULE											
RUN NO.	FROM	TO	CONDUIT SIZE	SIGNAL CABLE	DET. LEADS	LIGHTING OPTICOM	INTERCONNECT	REMARKS			
1	SERVICE POINT	SERVICE PEDESTAL	2"	15 CON 25 CON 14AWG 14AWG	12CON 2-10AWG 20AWG	12CON 2-10AWG 20AWG	12CON 2-10AWG 20AWG	3-#3/0 THW			
2	SERVICE PEDESTAL	CONTROLLER	2"					2-#6; 2-#10; 1-#8 THW			
3	CONTROLLER	PULL BOX "A"	2"				2				
4	CONTROLLER	PULL BOX "A"	(4)-3"	2	4	11	4				
5	PULL BOX "A"	POLE D; LUM D	2"	1		1	1				
6	PULL BOX "B"	POLE H	2"	1							
7	PULL BOX "A"	PULL BOX "B"	3"	1	1	3	1				
8	PULL BOX "B"	POLE A; LUM A	2"	1		1	1				
9	PULL BOX "B"	PULL BOX "H"	2"								
10	PULL BOX "A"	PULL BOX "E"	2"			1					
11								NOT USED			
12	PULL BOX "A"	PULL BOX "D"	3"	1		3	1				
13	PULL BOX "A"	PULL BOX "D"	3"	1	1	1	1				
14	PULL BOX "D"	POLE C; LUM C	2"	1		1					
15	PULL BOX "D"	PULL BOX "G"	2"			3					
16	PULL BOX "D"	PULL BOX "C"	3"	1	1	1	1				
17	PULL BOX "C"	POLE B; LUM B	2"	1		1					
18	PULL BOX "C"	POLE F	2"	1							
19	PULL BOX "B"	PULL BOX "F"	2"			1					
20								NOT USED			
21	PULL BOX "J"	PULL BOX "A"	2"				2				
22	JONES	PULL BOX "J"	2"				1				
23	PULL BOX "J"	DECATUR	2"				1				

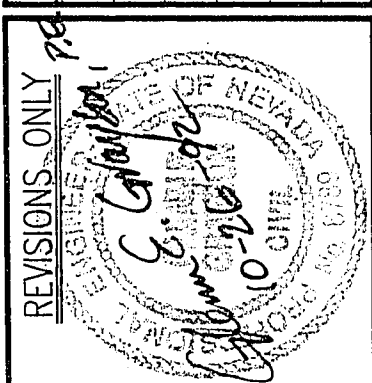
NOTE: INSTALL IN EACH CONDUIT A #8 GREEN GROUNDING CONDUCTOR.



TRAFFIC SIGNAL SPECIAL NOTES

- DETECTOR 6 IS A 6' X 6' LOOP.
- DETECTORS 2A, 3, 7A, AND 7B ARE FOUR 6' X 6' LOOPS. SEE DRAWING 404.827.
- DETECTOR 2B CONSISTS OF SIX 6' X 6' LOOPS. SEE DRAWING 404.825.
- DETECTORS 4A AND 8A ARE THREE 6' X 6' LOOPS WITH 4 TURNS OF WIRE. ALL SETBACK DETECTORS SHALL HAVE INDIVIDUAL HOME RUNS WIRED IN SERIES AT THE CONTROLLER CABINET TO A SINGLE DETECTOR FOR EACH APPROACH.
- INSTALL OPTICOM DETECTORS ON POLES A AND D.
- PULL BOX "A" IS A #7; PULL BOXES "B", "C", "D", "E", "F", AND "J" ARE #5; AND PULL BOXES "G" AND "H" ARE #3 1/2.
- POLE FOUNDATION
(A) EXISTING
(B) TYPE "L"
(C) TYPE "H"
(D) TYPE "L"
- POLE FOUNDATION
(E) TYPE "A"
(F) TYPE "C"
- INSTALL CROSSWALKS AND ADDITIONAL SIGNS AND MARKINGS. SEE DETAIL SHEET T-9.
- INSTALL 80' CONTROLLER IN TYPE "R" CABINET.

REVISION	DATE	BY	REVISION
1	7/92	J.D.T./J.S.T.	TRAFFIC SIGNAL PLAN DESIGN REVISED



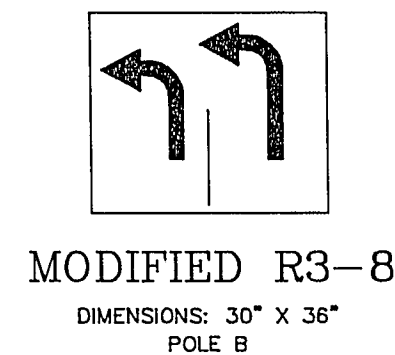
HEFNER ENGINEERING
CIVIL ENGINEERING DESIGN
LAND PLANNING & DEVELOPMENT
4441 South Pointe Avenue, Las Vegas, Nevada 89103
Phone: (702) 798-1900

CRAIG ROAD & CAMINO DEL ORO (IVORY CIRCLE) SIGNAL PLAN

WO #:	LOS140
BY:	J.D.T./J.S.T.
DATE:	1/29/92
SCALE:	1" = 20'
SHEET NO.	
T8-A	
107-V1804	SHEET: 8 OF 11

POLE AND SIGNAL SCHEDULE											
POLE	LOCATION STATION ALONG CRNG	TYPE	SIG. ARM QUAD. LING.	LUM. ARM QUAD. LING.	SIGNALS (VEH.)	SIGNALS PEDESTRIAN	FED. PUSH BUTTON	REMARKS			
(A)	EXISTING	XX 30'	4	35'	4	15'	M-2(2) MAST ARM B-2T 2	INSTALL STREET NAME SIGN AND BACKFACING R3-4 SIGN			
(B)	80+96.5 (58.5' RT)½	XXA 30'	1	55'	1	15'	M-2(2) MAST ARM B-2T 3	INSTALL R3-8(MOD) & STREET NAME SIGN			
(C)	80+12.8 (64.5' RT)½	XX 30'	2	30'	2	15'	M-2(2) MAST ARM B-2T 4	INSTALL STREET NAME SIGN AND R3-4 SIGN			
(D)	79+84.3 (61.2' LT)½	XXA 30'	3	50'	3	15'	M-2(2) MAST ARM B-2T 1	INSTALL STREET NAME SIGN			
(E)								NOT USED			
(F)	80+80.8 (64.5' RT)½	1-A	-	-	-	-	A-2T POLE TOP	W-3T 3	4	LEFT #8W	
(G)									1	RIGHT #4W	
(H)	80+91.1 (64.5' LT)½	1-B	-	-	-	-		W-3T 2	3	LEFT #8W	
									4	RIGHT #6W	

NOTE: M-2W SIGNAL HEADS SHALL HAVE ALL ARROW INDICATIONS.



SIGN SCHEDULE		
POLE	INTERNALLY ILLUMINATED STREET NAME SIGN	BLACK NUMBER SIGN LEGEND
(A)	CRAIG	W 5800
(B)	IVORY	N 4300
(C)	CRAIG	W 5900
(D)	CAMINO DEL ORO	N 4400

SEE DRAWING NOS. 404.417 AND 404.420

NEMA PHASE DIAGRAM

	Ø1	Ø2	Ø3	Ø4
RING 1	NOT USED	↑	↶	→
RING 2	NOT USED	↑	↷	→

CONFLICT FLASH SHALL BE ALL RED
THE PHASES TO BE PREEMPTED BY THE OPTICOM DETECTORS SHALL BE DETERMINED BY THE TRAFFIC ENGINEER

LEGEND	
—	EXISTING IMPROVEMENTS
—	PROPOSED IMPROVEMENTS
—	PROPOSED PULL BOX
—	PROPOSED CONTROLLER
—	PROPOSED SIGNAL W/BACKPLATE
—	PROPOSED SIGNAL W/DIRECTIONAL ARROW & BACKPLATE
—	PROPOSED M-5 TRAFFIC SIGNAL W/BACKPLATE
—	PROPOSED POLE AND FOUNDATION
—	PROPOSED PEDESTRIAN SIGNAL
—	PROPOSED HIGH PRESSURE SODIUM LUMINAIRE - 400 WATT
—	RIGHT-OF-WAY LINE

REVISIONS PERFORMED TO EXISTING DRAWINGS BY THE CITY OF LAS VEGAS ENGINEERING DIVISION
ORIGINAL HEFNER ENGINEERING DESIGN DRAWINGS ON FILE AT THE CITY OF LAS VEGAS