

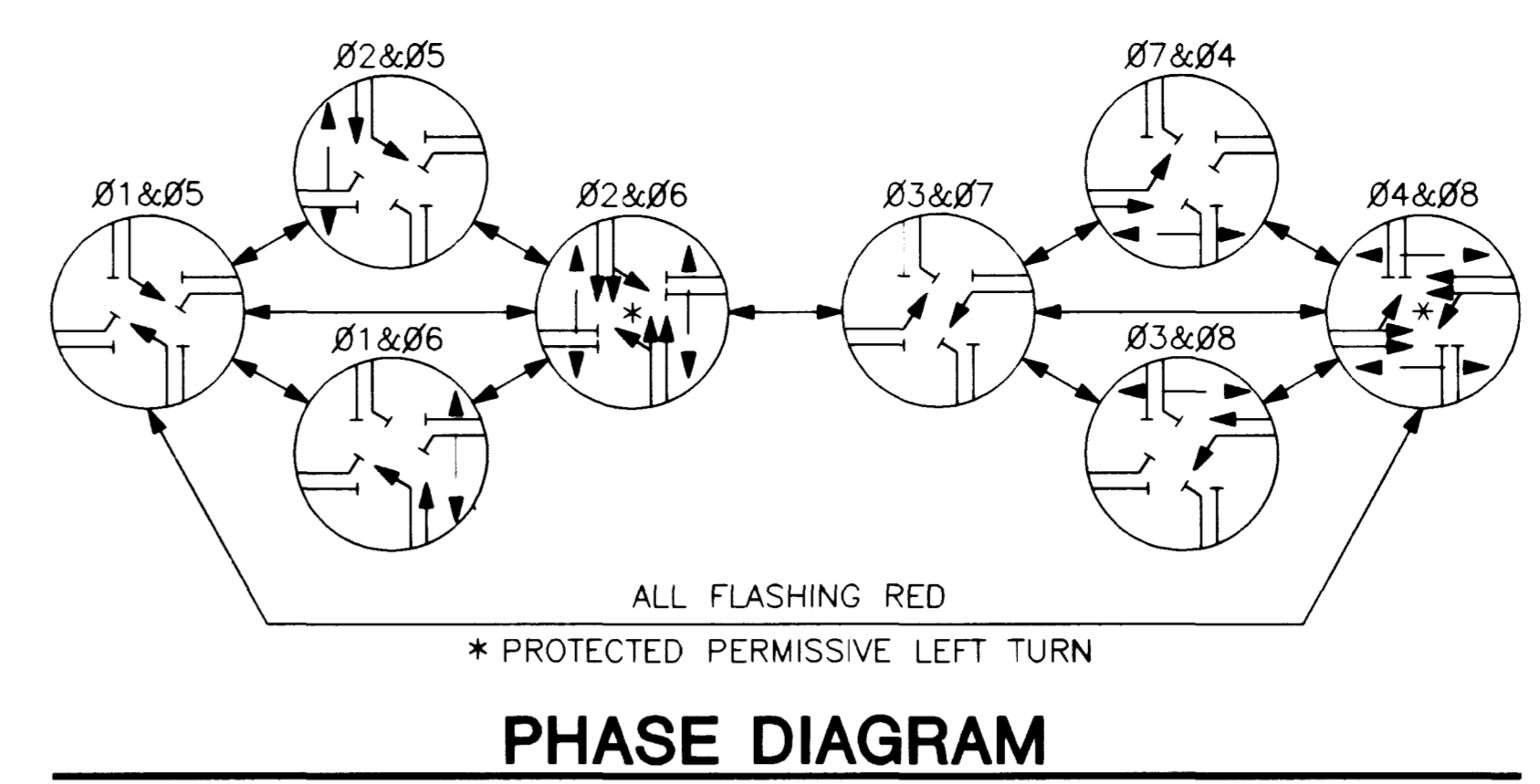
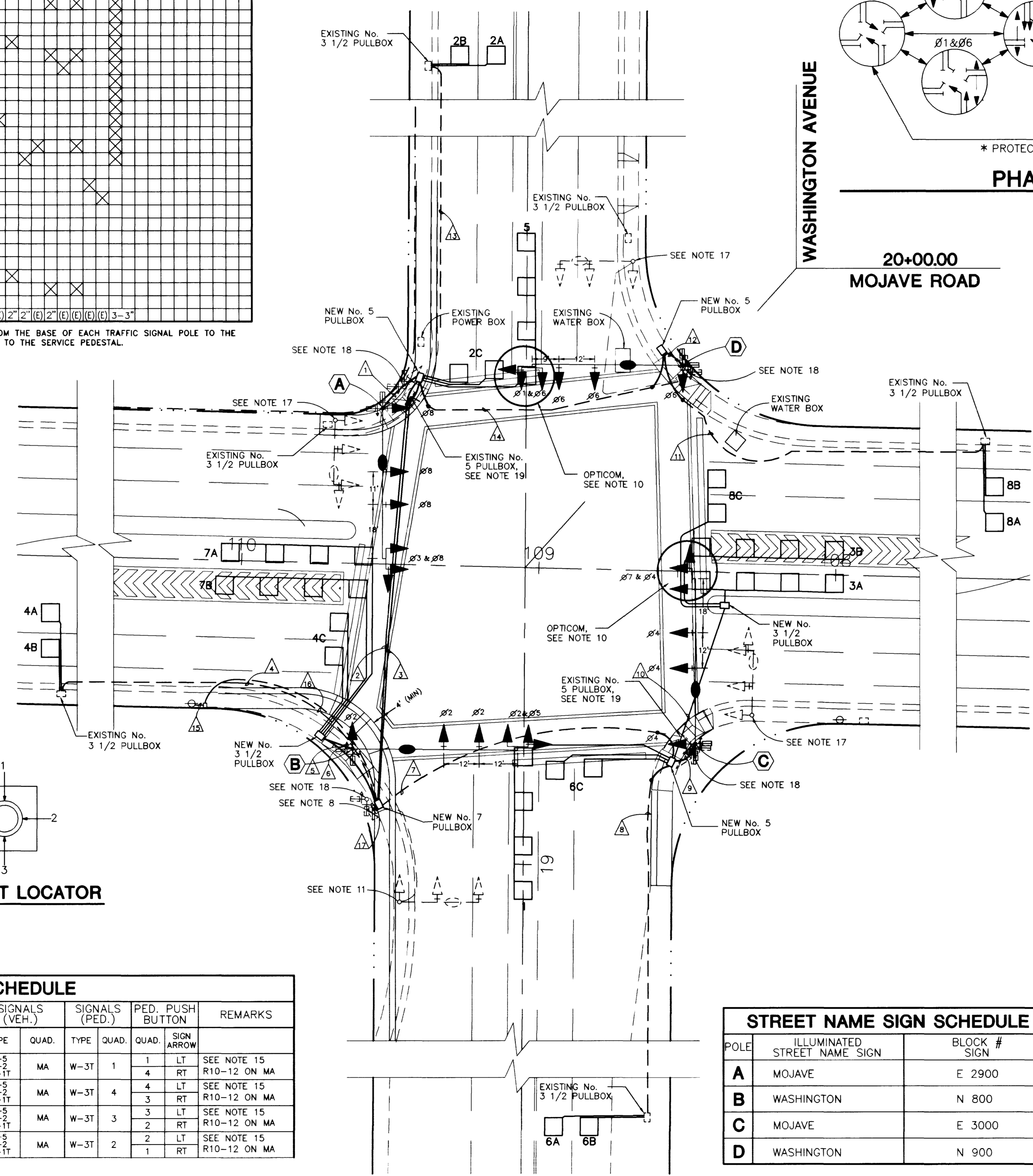
		CONDUIT & WIRE SCHEDULE																													
		WIRE & CABLE		VIA CONDUIT																											
		FROM	TO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
NO. 14 THW	25 COND	CNTRLR	POLE A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			POLE B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			POLE C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			POLE D	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	DET. LOOP CABLES	2 #10THW		LUM @ A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
				LUM @ B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				LUM @ C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				LUM @ D	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2		2A,2B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		2		2C,5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	2		4A,4B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	3		4C,7A,7B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	2		6A,6B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	2		6C,1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	2		8A,8B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	3		8C,3A,3B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		POWER SERVICE	SERVICE CONTR.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		OPTICOM CNTRLR	POLE C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		OPTICOM CNTRLR	POLE D	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		INTERCONNECT CABLE & CONDUIT		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		CONDUIT SIZE (INCHES)		2"	3"	3"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	

NOTE: A NO. 8 GREEN GROUND WIRE SHALL BE RUN FROM THE BASE OF EACH TRAFFIC SIGNAL POLE TO THE CONTROLLER CABINET AND FROM THE CONTROLLER TO THE SERVICE PEDESTAL.  
(E) INDICATES EXISTING

# MOJAVE ROAD

# WASHINGTON AVENUE

# WASHINGTON AVE

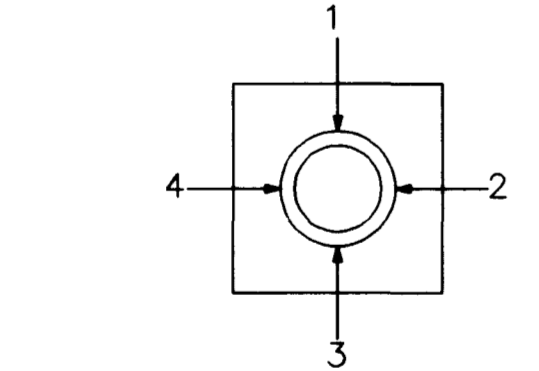


## SHEET NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATION AND DEPTH OF ALL OVERHEAD AND UNDERGROUND UTILITIES FOR THIS PROJECT. THE UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CALL BEFORE YOU DIG ... 1-800-227-2600.
- ALL SIGNAL CABLE SHALL CONFORM WITH I.M.S.A. NO. 19-1 OR NO. 20-1. ALL LOOP CABLE SHALL CONFORM TO I.M.S.A. NO. 19-2 OR NO. 20-2.
- ALL CABLE AND WIRING SHALL BE INSTALLED TERMINAL TO TERMINAL, NO SPLICES ALLOWED.
- INTERSECTION LIGHTING LUMINAIRES SHALL BE 400 WATT HIGH PRESSURE SODIUM WITH M-C-III DISTRIBUTION COMPLETE WITH 120 V MAGNETIC REGULATOR TYPE BALLAST, CHARCOAL OPTICAL FILTER, AND INDIVIDUAL PHOTOCCELL CONTROL (G.E. NO. M4AC40S1M2GMC32 CUTOFF TYPE OR EQUAL).
- ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL BE 9" X 12" WITH FULL MOUNTING BRACKET.
- THE PLACEMENT OF NEW POLES SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
- REMOVE EXISTING CABINET AND FOUNDATION. INSTALL NEW 8 PHASE CONTROLLER AND "R" TYPE CABINET WITH FOUNDATION BEHIND SIDEWALK. PROVIDE ALL NECESSARY AMPLIFIERS, UNITS, MODULES, LIGHT CONTROL UNITS, SWITCHES OPTICOM, FLASHERS, AREA WIDE COMPUTER CONTROL, ETC. WIRED IN CABINET TO ACTIVATE THE PHASE OPERATION AS SHOWN. CONTRACTOR SHALL PREPARE AS BUILT DRAWINGS UPON COMPLETION OF PROJECT DETAILING ANY CHANGES TO CONTROLLER OPERATION.
- LOOP DETECTORS SHALL BE LOCATED IN THE FIELD BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
- INSTALL THE 3M MODEL 265 OPTICOM SENSORS ON THE TRAFFIC SIGNAL HEAD AS SHOWN ON THIS DRAWING. RUN OPTICOM DETECTOR CABLE, 3M MODEL 138, FROM THE CONTROLLER TO POLES C AND D AS SHOWN IN THE CONDUIT AND WIRE SCHEDULE.
- REMOVE EXISTING TYPE XX TRAFFIC SIGNAL POLE COMPLETE. CHIP BASE DOWN TO MATCH TOP OF SUBGRADE AND BURN OFF ANCHOR BOLTS, REINFORCING, ETC.
- EXISTING CONDUIT LOCATIONS AS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC ONLY AND WERE TAKEN FROM RECORD DRAWINGS. NEW MULTIPLE CONDUIT RUNS NOT TERMINATING IN THE SAME PULLBOX SHALL PASS UNDER AND CONTINUE TO THE NEXT TERMINATION POINT. ALL MULTIPLE CONDUIT RUNS SHALL BE PLACED IN THE SAME TRENCH WHENEVER POSSIBLE. MAINTAIN 12" HORIZONTAL CLEARANCE BETWEEN INTERCONNECT CONDUIT AND SIGNAL/STREET LIGHTING CONDUITS.
- THE EXISTING TRAFFIC SIGNAL SYSTEM MAY BE DEACTIVATED AND IMPLEMENTED WITH A TEMPORARY 3-WAY STOP IN ACCORDANCE WITH "CONSTRUCTION DETOUR AT MOJAVE ROAD" ON SHEET R-11 AND IN ACCORDANCE WITH SUBSECTION 104.04 "MAINTENANCE OF TRAFFIC" OF THE SUPPLEMENTAL CONSTRUCTION DETAILS.
- ALL REMOVED STREET LIGHTING AND TRAFFIC SIGNAL SYSTEM EQUIPMENT NOT REUSED SHALL BE RETURNED TO THE ELECTRICAL SHOP, CITY YARDS, 3100 EAST BONANZA ROAD.
- PLACEMENT OF ALL POLES SHALL PROVIDE 36" MINIMUM CLEAR SIDEWALK WIDTH. ALL TYPE XX-A POLES SHALL HAVE "L" TYPE FOUNDATIONS PER DWG NO. 404.209.
- THE TOP OF ALL CONCRETE FOUNDATION CAPS FOR TYPE XXA POLES SHALL BE FLUSH WITH THE TOP OF SIDEWALK.
- REMOVE EXISTING TYPE XX TRAFFIC SIGNAL POLE COMPLETE. CHIP BASE DOWN 9" (INCHES) BELOW TOP OF SIDEWALK AND BURN OFF ANCHOR BOLTS, REINFORCING, ETC.
- REMOVE EXISTING TYPE 1-A SIGNAL POLES AND FOUNDATIONS COMPLETE.
- REMOVE EXISTING No. 5 PULLBOX COMPLETE. PROVIDE NEW No. 5 PULLBOX AS INDICATED. INTERCEPT EXISTING SIGNAL SYSTEM CONDUIT AND EXTEND AS INDICATED TO NEW PULLBOX.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 10' CLEARANCE BETWEEN LUMINAIRES AND OVERHEAD UTILITY LINES. "ZERO" (Ø) RISE LUMINAIRE ARMS MAY BE USED TO OBTAIN THE MINIMUM CLEARANCE IF APPROVED BY THE ENGINEER.

## QUADRANT LOCATOR

NO SCALE



POLE SCHEDULE											
POLE				SIGNALS (VEH.)		SIGNALS (PED.)		PED. PUSH BUTTON		REMARKS	
POLE	LOCATION-STA.	TYPE	SIG. ARM QUAD. LNG.	LUM. ARM QUAD. LNG.	TYPE	QUAD.	TYPE	QUAD.	QUAD.	SIGN ARROW	
A	109+53.94 52.39' RT.	XXA	3 50'	3 15'	(1)M-5 (2)M-2 (1)B-TT	MA	W-3T	1	1	LT	SEE NOTE 15 R10-12 ON MA
B	109+60.00 62.50' LT.	XXA	2 55'	2 15'	(1)M-5 (2)M-2 (1)B-TT	MA	W-3T	4	4	RT	SEE NOTE 15 R10-12 ON MA
C	108+46.00 58.0' LT.	XXA	1 55'	1 15'	(1)M-5 (2)M-2 (1)B-TT	MA	W-3T	3	3	LT	SEE NOTE 15 R10-12 ON MA
D	108+53.31 69.41' RT.	XXA	4 50'	4 15'	(1)M-5 (2)M-2 (1)B-TT	MA	W-3T	2	2	LT	SEE NOTE 15 R10-12 ON MA

STREET NAME SIGN SCHEDULE		
POLE	ILLUMINATED STREET NAME SIGN	BLOCK # SIGN
A	MOJAVE	E 2900
B	WASHINGTON	N 800
C	MOJAVE	E 3000
D	WASHINGTON	N 900

NOTE: PANELS FROM EXISTING STREET NAME SIGNS SHALL BE REPLACED. ALL SIGNS SHALL BE DOUBLE SIDED.

**RECORD DRAWING**  
These Record Drawings have been prepared based on information provided by others. The Engineer has not verified the accuracy of such information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

SAFETY ALERT  
**Call before you Overhead**  
593-6111  
OVERHEAD SERVICE ALERT

SAFETY ALERT  
**Call before you Dig**  
1-800-227-2600  
UNDERGROUND SERVICE ALERT

DESIGNED: \_\_\_\_\_ REVISIONS: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 JOB NO. 888-S-81  
 SCALE: \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 VERT. \_\_\_\_\_

1055 EAST TROPICANA  
 SUITE 800  
 LAS VEGAS, NEVADA 89119  
 (702)796-1007

**NEA**  
 CONSULTING ENGINEERS

CITY OF LAS VEGAS  
 WASHINGTON AVENUE CONVEYANCE SYSTEM  
 MOJAVE ROAD  
 TRAFFIC SIGNAL

SHEET **E-2**  
 REVISED  
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