

POLE SCHEDULE												
NO.	STATION - ELEV	TYPE	SIGNAL ARM		LUM. ARM		SIGNALS (VEH)		SIGNALS (PED)		REMARKS	
			QUAD.	LENGTH	QUAD.	LENGTH	QUAD.	TYPE	QUAD.	TYPE		
(A)	99+41.7 "LM" 51.5', LT EI = 2320.39*	XX-A	3	50'	3	15'	MA	M-2			L FOUNDATION	
(B)	99+66.6 "LM" 51.84', LT EI = 2320.25*	XX-A	2	55'			MA	M-2 (2) B-1T	1	W-3T	3 RT 2 LT	L FOUNDATION INSTALL R3-4 ON MAST ARM
(C)	100+41.1 "LM" 62.3', RT EI = 2319.64*	XX-A	1	50'	1	15'	MA	M-2 (2) B-1T	3	W-0T	1 RT	L FOUNDATION INSTALL R3-2 ON MAST ARM
(D)	99+40.8 "LM" 58.5', RT EI = 2320.45*	1-A					POST TOP	A-2T	4	W-3T	1 LT 2 RT	C FOUNDATION
(E)	99+95.67 "LM" 49.2, LT EI = 2320.15*	1-A					POST TOP			W-1T	3 LT	C FOUNDATION

* SEE FOUNDATION ELEVATION DETAIL ON SHEET 2
** CITY TO FURNISH POLES AND MAST ARMS

GENERAL NOTES

- POLES AND MAST ARMS TO BE FURNISHED BY THE CITY OF LAS VEGAS. CONTRACTOR TO PICK-UP FROM STORAGE YARD AND INSTALL ON-SITE. CONTACT TRAFFIC OPERATIONS AT (702) 229-6331
- CONTROLLER, VIDEO DETECTION SYSTEM, CAMERAS AND CABINET TO BE FURNISHED BY THE CITY OF LAS VEGAS. CONTRACTOR TO PICK UP FROM STORAGE YARD. CONTACT TRAFFIC OPERATIONS AT (702) 229-6332.
- CONTRACTOR TO FURNISH AND INSTALL TENONS ON MAST ARMS PER U.S.D.C.C.A. DWG. 404.402.

BASES OF BEARINGS

NORTH 00°31'52" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON A PARCEL MAP ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 35 OF PLATS, AT PAGE 37.

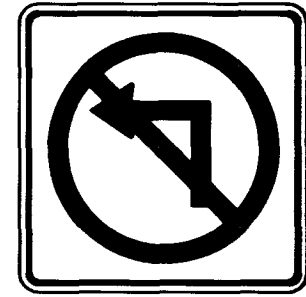
BENCHMARK

CITY OF LAS VEGAS BENCHMARK 1LV003NEE6
NAVD88 ELEV: 706.9818 METERS (2319.489 FEET).

RIVET AND SQUARE ALUMINUM PLATE IN TOP OF CURB AT SW RETURN OR RAINBOW BLVD AND RED COACH AVE.



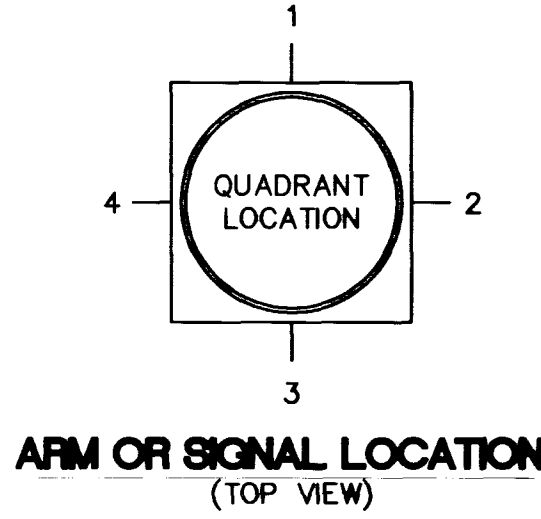
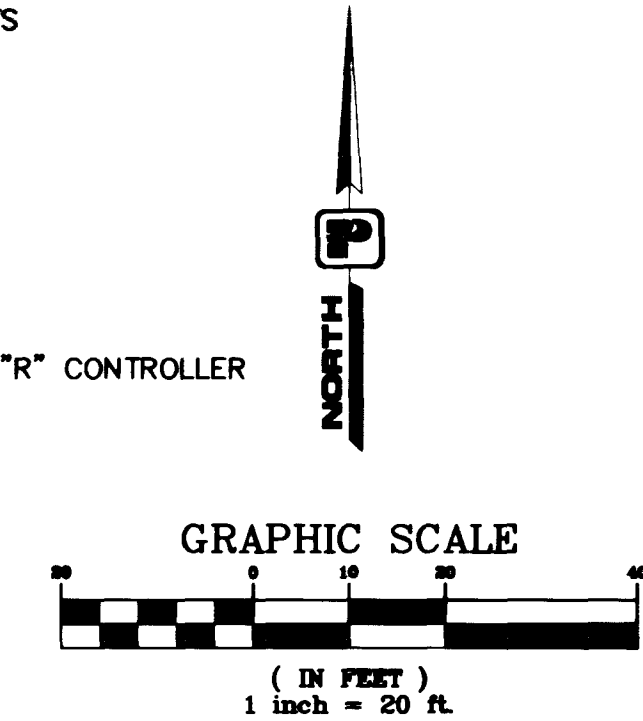
R3-4
24" x 24"



R3-2
24" x 24"

CONSTRUCTION NOTES

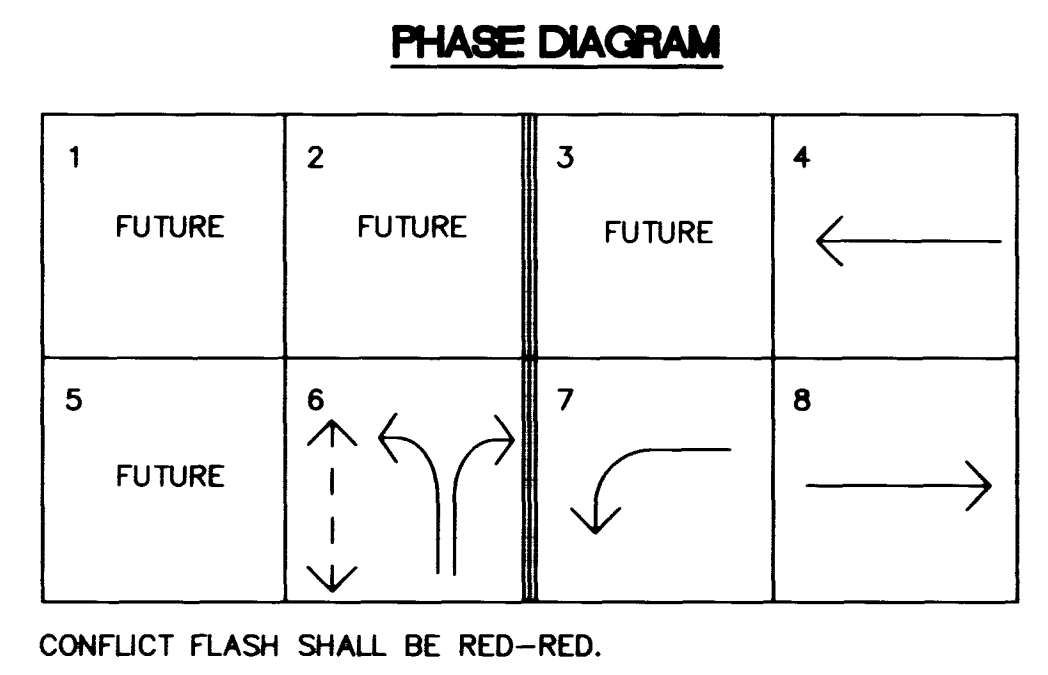
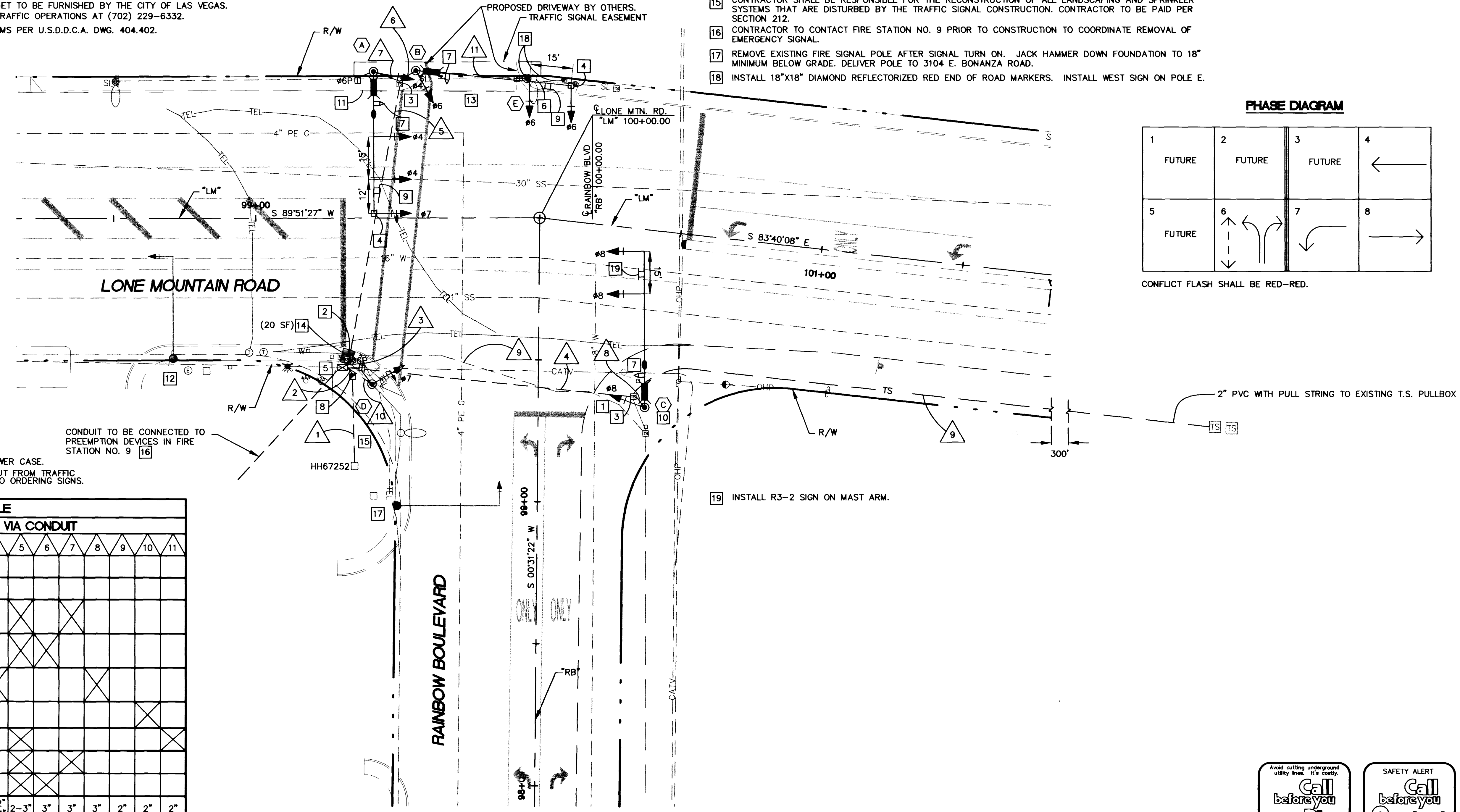
- REMOVE EXISTING STOP SIGNS AFTER THE SIGNAL IS FULLY FUNCTIONAL AND REMOVE STREET NAME SIGN AND POSTS AFTER ILLUMINATED STREET NAME SIGN IS INSTALLED. THE SALVAGED MATERIALS TO BE DELIVERED TO 3104 E. BONANZA RD.
- REMOVE EXISTING NO. 5 PULLBOX AND INSTALL NO. 7 PULLBOX PER U.S.D.C.C.A. NO. 404.130.
- INSTALL NO. 5 PULLBOX PER U.S.D.C.C.A. NO. 404.120.
- INSTALL EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR FIRE PREEMPTION AS SPECIFIED IN THE SPECIFICATIONS. THE OPTICAL DETECTORS SHALL BE MOUNTED ON TOP OF THE OUTER MOST HEADS OF POLES "A" AND "B".
- INSTALL 8" CONTROLLER IN TYPE "R" CABINET ACCORDING TO SPECIFICATIONS FROM TRAFFIC OPERATIONS. INSTALL "R" CONTROLLER CABINET ACCORDING TO U.S.D.C.C.A. NO. 404.307. CONTROLLER TO BE PROVIDED BY THE CITY OF LAS VEGAS.
- REMOVE EXISTING STREETLIGHT POLE ASSEMBLY. JACKHAMMER FOUNDATION TO 18" MINIMUM BELOW GRADE. INSTALL #3 1/2 PULL BOX OVER CONDUIT. RELOCATE TO POSITION SHOWN IN CONSTRUCTION NOTE 12.
- INSTALL CAMERA AND RUN CABLES TO BASE OF POLE. CONTRACTOR TO PROVIDE POWER AND 8281 CABLE FROM CONTROLLER TO POLE BASE. "BNC" CONNECTORS AT END OF CABLE. CAMERA LOCATION TO BE DETERMINED BY MANUFACTURER'S REPRESENTATIVE CONTRACTOR IS ALSO RESPONSIBLE FOR SUPPLYING A MANUFACTURER'S REPRESENTATIVE FOR TURN ON.
- INSTALL NEW 200 AMP SERVICE. THE SERVICE SHALL HAVE 60 AMP SINGLE POLE BREAKER FOR TRAFFIC SIGNALS AND 40 AMP SINGLE POLE BREAKER FOR STREET LIGHTING.
- INSTALL R3-4 ON MAST ARM.
- CONTRACTOR TO FURNISH AND INSTALL MOTOROLA DARCOM 9000-2 HR2 REMOTE RADIO. ANTENNA TO BE INSTALLED ON POLE C. AIM ANTENNA AT HUB SITE AT BROOKS NLV GARAGE (NEAR CHEYENNE AND LOSEE).
- CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG. NO. 235, CASE III, A=B', B=B'. SEE SHEET 4 FOR LOCATION.
- AFTER TRAFFIC SIGNAL TURN-ON, REMOVE POLE AND INSTALL STREET LIGHT FROM NORTH SIDE OF INTERSECTION. DELIVER POLE TO 3104 E. BONANZA ROAD.
- REMOVE EXISTING DRIVEWAY AND REPLACE WITH SIDEWALK AND CURB/GUTTER TO MATCH EXISTING.
- REMOVE AND REPLACE EXISTING SIDEWALK FOR CONDUIT INSTALLATION. APPROXIMATE SQUARE FOOTAGE SHOWN IN PARENTHESES. AREA TO BE REMOVED. THIS AREA DOES NOT INCLUDE AREA REMOVED PER NOTE 11 & 13.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE RECONSTRUCTION OF ALL LANDSCAPING AND SPRINKLER SYSTEMS THAT ARE DISTURBED BY THE TRAFFIC SIGNAL CONSTRUCTION. CONTRACTOR TO BE PAID PER SECTION 212.
- CONTRACTOR TO CONTACT FIRE STATION NO. 9 PRIOR TO CONSTRUCTION TO COORDINATE REMOVAL OF EMERGENCY SIGNAL.
- REMOVE EXISTING FIRE SIGNAL POLE AFTER SIGNAL TURN ON. JACK HAMMER DOWN FOUNDATION TO 18" MINIMUM BELOW GRADE. DELIVER POLE TO 3104 E. BONANZA ROAD.
- INSTALL 18"x18" DIAMOND REFLECTORIZED RED END OF ROAD MARKERS. INSTALL WEST SIGN ON POLE E.



SIGN SCHEDULE		
POLE	INTERNALLY ILLUMINATED STREET NAME SIGN	
(A) N	Rainbow	4800
(B) W	Lone Mountain	6000
(C) N	Rainbow	4800

SEE USD DRAWINGS 404.417 AND 404.420. BLOCK NUMBER SIGN TO BE CENTERED ON ILLUMINATED STREET NAME SIGN.
8" SIGN PANEL. SMALL TEXT (DIRECTION AND BLOCK NUMBER) IS 5" SERIES C. LARGE TEXT (STREET NAME) IS 8" SERIES D FOR UPPER AND LOWER CASE.
CONTRACTOR TO OBTAIN APPROVAL OF STREET NAME SIGN LAYOUT FROM TRAFFIC ENGINEERING FIELD OPERATIONS SUPERVISOR, 229-6331, PRIOR TO ORDERING SIGNS.

CONDUIT AND WIRE SCHEDULE																				
WIRE AND CABLE	FROM	TO	VIA CONDUIT																	
			1	2	3	4	5	6	7	8	9	10	11							
3 3/0 THW	NPC TRANSFORMER	3 3/0 THW																		
4 #4, 1#8	SERVICE PEDESTAL	CONTROLLER																		
3 #14 S.O. CORD 8281 COAX 2#10, 1#8	CONTROLLER	POLE A																		
3 #14 S.O. CORD 8281 COAX 2#10, 1#8	CONTROLLER	POLE B																		
3 #14 S.O. CORD 8281 COAX 2#10, 1#8	CONTROLLER	POLE C																		
15C #14 1 #8	CONTROLLER	POLE D																		
15C #14 1 #8	CONTROLLER	POLE E																		
EMER VEHICLE PRE-EMPT CABLE	CONTROLLER	POLE A																		
EMER VEHICLE PRE-EMPT CABLE	CONTROLLER	POLE B																		
			2"	2"	2-2" 4-3"	1-2" 2-3"	2-3"	3"	3"	3"	3"	2"	2"	2"						



REVISIONS

No.	Date	By	App'd

DESIGNED: CDA/KUL
DRAWN: CDA/RLM
CHECKED: PDK
JOB NO: FTG642173
SCALE: 1"=20'
VERT: NONE
DATE: 8/14/08

PARSONS TRANSPORTATION GROUP
3075 E. Flamingo Rd, Ste 116
Las Vegas, NV 89121
(702) 435-2116
Fax (702) 435-8412

PROJECT: SIGNALIZATION PLANS
LONE MOUNTAIN ROAD AND RAINBOW BLVD.
DESCRIPTION: TRAFFIC SIGNAL PLAN

PLANS NO. 107-V2945
SHEET 3 OF 8

Avoid cutting underground utility lines. It's costly.

Call before you Dig
1-800-227-2600

SAFETY ALERT

Call before you Overhead
593-6111

