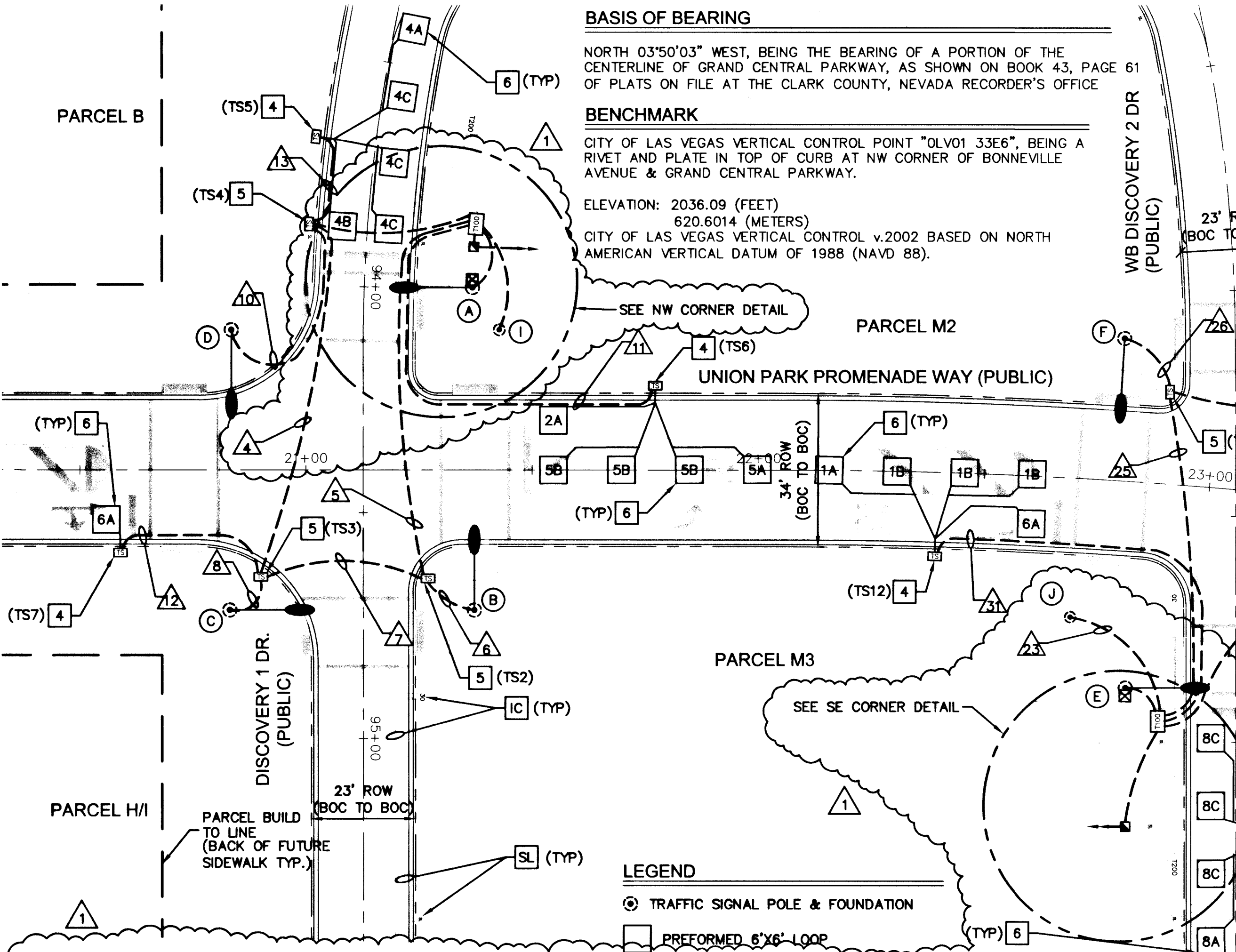
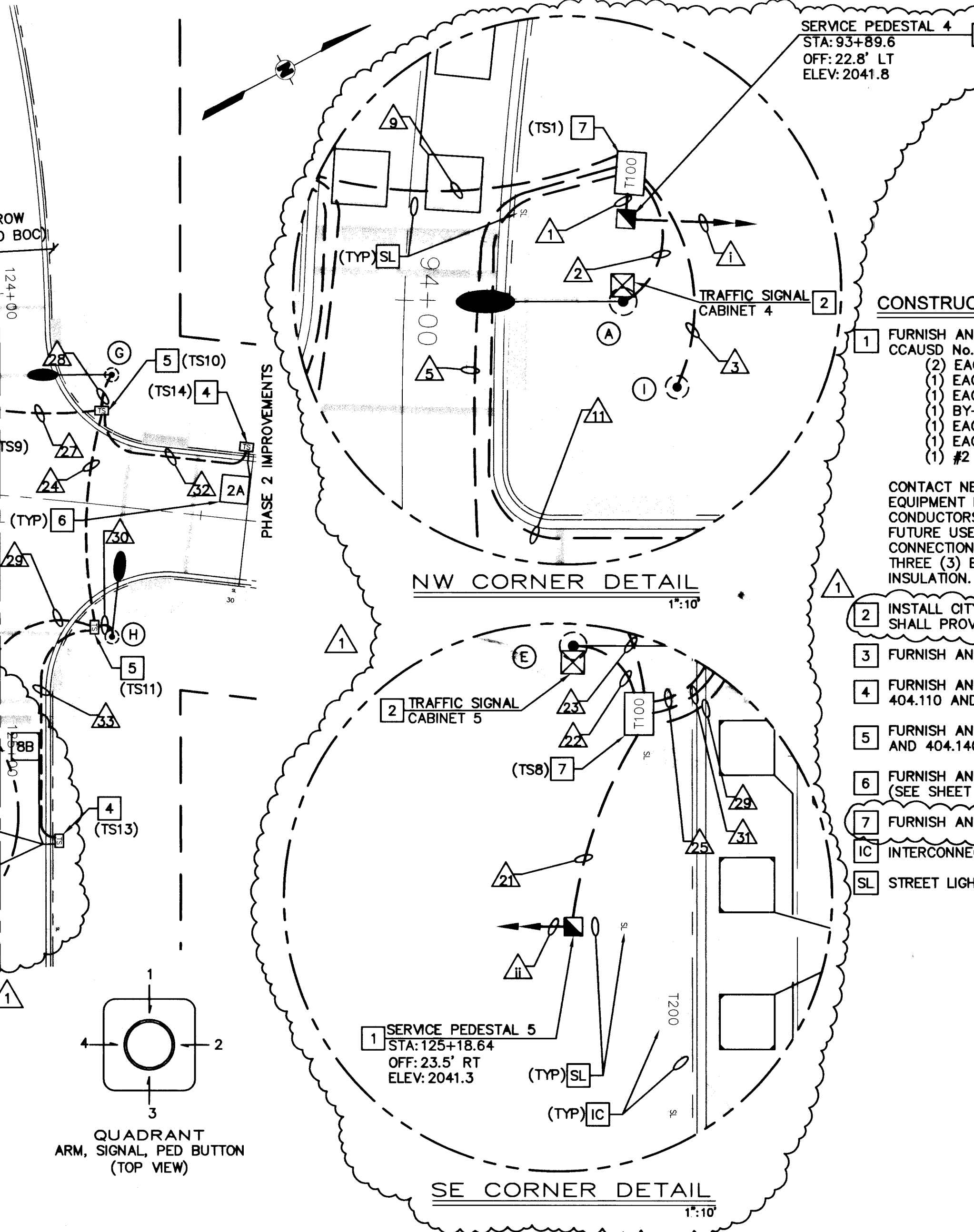


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POLE SCHEDULE											
POLE	LOCATION STATION & OFFSET (U.P. PROMENADE) TOP OF FOUNDATION ELEV	TYPE	FOUND. HEIGHT	MAST ARM	LUMINAIRE		SIGNALS				
					QUAD	LENGTH	VEHICLE	PEDESTRIAN	PEDESTRIAN	PUSH BUTTON	REMARKS
(A)	STA: 21+36.8± OFF: 40.4' ± LT ELEV: 2042.2	XX-A	30'	-	-	4	15'	-	-	-	2 3
(B)	STA: 21+37.3± OFF: 31.0' ± RT ELEV: 2042.4	XX	30'	-	-	1	15'	-	-	-	3 1
(C)	STA: 20+83.2± OFF: 31.0' ± RT ELEV: 2042.7	XX	30'	-	-	2	15'	-	-	-	3
(D)	STA: 20+83.5± OFF: 31.0' ± LT ELEV: 2042.7	XX	30'	-	-	3	15'	-	-	-	3 1
(E)	STA: 22+84.3± OFF: 45.6' ± RT ELEV: 2041.6	XX-A	30'	-	-	2	15'	-	-	-	2 3
(F)	STA: 22+79.2± OFF: 31.5' ± LT ELEV: 2041.8	XX	30'	-	-	3	15'	-	-	-	3
(G)	STA: 23+27.4± OFF: 28.5' ± LT ELEV: 2042.2	XX	30'	-	-	4	15'	-	-	-	3
(H)	STA: 23+33.5± OFF: 28.5' ± RT ELEV: 2042.2	XX	30'	-	-	1	15'	-	-	-	3
(I)	STA: 21+42.7± OFF: 31.0' ± LT ELEV: 2042.6	1-B	7"	-	-	-	-	-	-	-	
(J)	STA: 22+70.7± OFF: 30.8' ± RT ELEV: 2042.0	1-B	7"	-	-	-	-	-	-	-	

NOTE: TRAFFIC SIGNAL LUMINAIRES SHALL BE CENTENNIAL TYPE

CAUTION SEE GENERAL NOTE 6.

GRAPHIC SCALE

SEE SHEET TS-8 FOR TRAFFIC SIGNAL NOTES & FOR RELATED TRAFFIC SIGNAL DETAILS.

H# 18393

BASIS OF BEARING
NORTH 03°50'03" WEST, BEING THE BEARING OF A PORTION OF THE CENTERLINE OF GRAND CENTRAL PARKWAY, AS SHOWN ON BOOK 43, PAGE 61 OF PLATS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL POINT "OLV01.33E6", BEING A RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF BONNEVILLE AVENUE & GRAND CENTRAL PARKWAY.
ELEVATION: 2036.09 (FEET)
620.6014 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL v.2002 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

CONSTRUCTION NOTES

- FURNISH AND INSTALL 200 AMP 120/240 VAC SERVICE PEDESTAL ONTO CONCRETE FOUNDATION PER CCAUSD No. 404.214. PROVIDE THE FOLLOWING EQUIPMENT:
 - (1) EACH, 60 AMP, 2P (STREET LIGHTING A & B) CKT BKR(S)
 - (1) EACH, 15 AMP, 1P (STREET LIGHTING) PHOTO ELECTRIC
 - (1) EACH, 60 AMP, (STREET LIGHTING) CONTACTOR
 - (1) BY-PASS SWITCH PER CONTACTOR
 - (1) EACH, 60 AMP, 1P (TRAFFIC SIGNAL) CKT BKR
 - (1) EACH, 40 AMP, 1P (INTERSECTION LIGHTING) CKT BKR
 - (1) #2 AWG 7 STRAND BARE COPPER GROUNDING CONDUCTOR TO EARTH
- CONTACT NEVADA POWER FOR SERVICE CONNECTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR SERVICE CONNECTION PER NEVADA POWER SPECIFICATIONS, INCLUDING CONDUIT AND CONDUCTORS TO TRANSFORMER. PROVIDE ADDITIONAL 2" CONDUIT STUB FROM FOUNDATION FOR FUTURE USE. INDICATE LOCATION OF CONDUIT STUB ON AS BUILT DRAWINGS. FOR THE SERVICE CONNECTION BETWEEN THE TRANSFORMER AND THE SERVICE PEDESTAL, THE CONDUCTORS SHALL BE THREE (3) EACH - #3/0 AWG, 600 VOLT, STANDARD, COPPER WIRE WITH THW-2 OR XHHW-2 INSULATION.
- INSTALL CITY PROVIDED XX-A POLE AND POLE MOUNTED TRAFFIC SIGNAL CABINET. CONTRACTOR SHALL PROVIDE LUMINAIRE AND MAST ARM FOR INTERSECTION LIGHTING.
- FURNISH AND INSTALL 400 WATT HIGH PRESSURE SODIUM INTERSECTION LIGHTING (CENTENNIAL HEAD).
- FURNISH AND INSTALL No. 3/8 PULL BOX MARKED "TRAFFIC SIGNAL" PER CCAUSD STD DWG No. 404.110 AND 404.140 AND LOOP PULL BOX DETAIL (SEE SHEET TS-B).
- FURNISH AND INSTALL No. 7 PULL BOX MARKED "TRAFFIC SIGNAL" PER CCAUSD STD DWG No. 404.130 AND 404.140.
- FURNISH AND INSTALL 6"x6" PREFORMED MULTIPLE LOOP SYSTEM PER CLV STANDARD LOOP DETAILS (SEE SHEET TS-B).
- FURNISH AND INSTALL TYPE 100 PULL BOX. SEE SPECIFICATIONS FOR DETAILS AND VENDOR CONTACT.
- INTERCONNECT (SEE SL SHEETS FOR PLANS AND DETAILS)
- STREET LIGHT (SEE SL SHEETS FOR PLANS AND DETAILS)

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATION.
- CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
- CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
- CONTRACTOR TO COORDINATE LOCATIONS OF PROPOSED PULL BOXES TO BE ADJACENT TO CURB JOINTS AND SCORING PATTERN LINES.
- ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE RAL 6012 IN COLOR PER PROJECT SPECIAL PROVISIONS.
- ALL POLE LOCATIONS AND FOUNDATION ELEVATIONS SHALL BE APPROVED BY ENGINEER BEFORE CONSTRUCTION IS STARTED OR POLES ARE ORDERED. ALL ELEVATIONS ARE TO TOP OF FOUNDATION UNLESS NOTED OTHERWISE. SEE STATION AND OFFSET REFERENCE DETAILS ON SHEET TS-8.
- SITE CONDITIONS MAY REQUIRE RELOCATION OR ADJUSTMENT OF PULL BOX LOCATIONS. ALL RELOCATION SHALL BE APPROVED BY ENGINEER AND INCIDENTAL TO THE CONTRACT. SEE STATION, OFFSET AND ELEVATION REFERENCE DETAILS ON SHEET TS-8.
- CONTRACTOR SHALL REVIEW LANDSCAPE PLAN TO AVOID LOCATING CONDUIT RUNS AND PULL BOX IN CONFLICT WITH FUTURE LANDSCAPE IMPROVEMENTS.

PULL BOX SCHEDULE				
PULL BOX	REFERENCE ST.	STATION / OFFSET	ELEV	TYPE
(TS1)	DISCOVERY 1 DR	STA 93+84.2 / 22.3' LT	2041.7	T100
(TS2)	PROMENADE WAY	STA 21+27.0 / 23.1' RT	2042.3	#7
(TS3)	PROMENADE WAY	STA 20+90.1 / 22.8' RT	2042.7	#7
(TS4)	DISCOVERY 1 DR	STA 93+87.0 / 12.0' RT	2042.1	#7
(TS5)	DISCOVERY 1 DR	STA 93+68.3 / 12.4' RT	2041.7	#3 1/2
(TS6)	PROMENADE WAY	STA 21+77.2 / 17.8' LT	2041.7	#3 1/2
(TS7)	PROMENADE WAY	STA 20+59.0 / 17.5' RT	2042.0	#3 1/2
(TS8)	DISCOVERY 2 DR	STA 124+95.3 / 15.7' RT	2041.3	T100
(TS9)	DISCOVERY 2 DR	STA 124+22.5 / 13.6' RT	2041.9	#7
(TS10)	PROMENADE WAY	STA 23+26.2 / 19.6' LT	2042.0	#7
(TS11)	DISCOVERY 2 DR	STA 124+72.9 / 19.8' LT	2042.3	#7
(TS12)	PROMENADE WAY	STA 22+39.5 / 17.7' RT	2041.4	#3 1/2
(TS13)	DISCOVERY 2 DR	STA 125+18.3 / 12.8' LT	2041.8	#3 1/2
(TS14)	PROMENADE WAY	STA 23+58.2 / 15.1' LT	2042.1	#3 1/2

CAUTION SEE GENERAL NOTE 7.

SAFETY ALERT
Avoid cutting underground utility lines. It's costly.
Call before you Dig
Call before you Overhead
Call before you UnderGround
CLARK COUNTY TRAFFIC OPERATIONS AND 1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

DEPARTMENT OF PUBLIC WORKS

PROJECT: **UNION PARK**

SHEET: **SIGNAL INSTALLATION PLAN**

DISCOVERY DR & UNION PARK PROMENADE WAY

PHASE 1

Kimley-Horn and Associates, Inc.

Engineering, Planning, and Environmental Consultants

2080 East Flamingo Road Suite 210
Las Vegas, Nevada 89119

DATE: February 2008

DESIGNED BY: PAB

SCALE: 1"=20'

DRAWN BY: KHA

CHECKED BY: DDW

DATE: February 2008

POLE AND SIGNAL EQUIPMENT

REVISION

2/19/08 RWF

KEY DATE

BY

2/7/08

TS-2

107V4816