

CALL
before you
Overhead

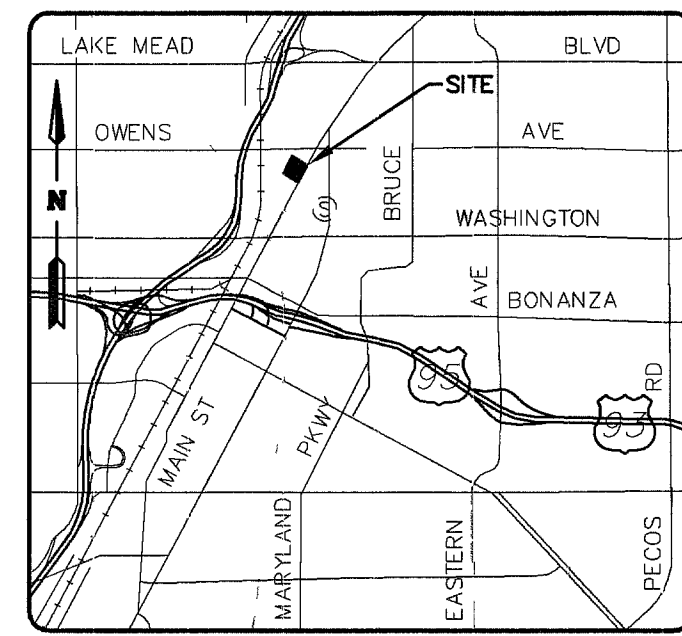
1-702-227-2929

UNDERGROUND SERVICE (USA)
AVOID OVERHEAD POWER
LINE CONTACT. IT'S COSTLY

CALL
before you
DIG

1-800-227-2600

UNDERGROUND SERVICE (USA)
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY

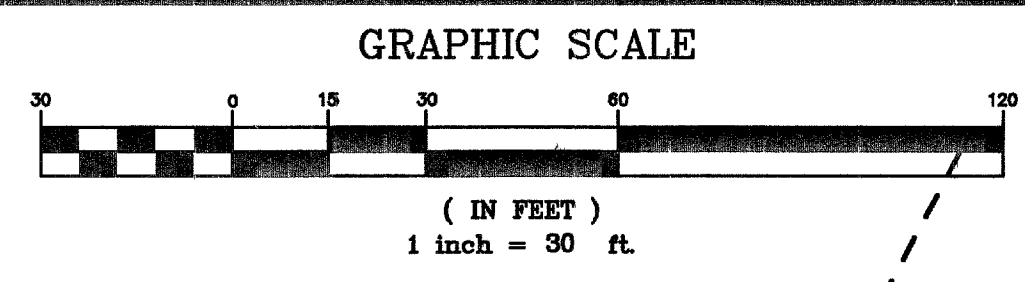


VICINITY MAP

N.T.S.
S27, T20S, R61E

CONSTRUCTION NOTES

1. LOCATION OF UNDERGROUND UTILITIES ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR IN THE LOCATION SHOWN ON THE DRAWINGS.
2. FOR GEOTECHNICAL REQUIREMENTS REFERENCE GEOTECHNICAL EVALUATION FOR H.E.L.P. AT OWENS AS PREPARED BY NINYO & MOORE (PROJECT NO. 301660001, DATED DECEMBER 14, 2004.).
3. WHERE CURB IS TO BE CONSTRUCTED, DIMENSIONS ARE TO BACK OF CURB.
4. MODIFY EXISTING STREETLIGHT BASE PER USD NO. 325.
5. INSTALL 2" SCH. 40 PVC CONDUIT FOR STREETLIGHT.



EX. BLDG
F.F. = 1912.9

LINE AND CURVE DATA

LINE TABLE			CURVE TABLE				
LINE	LENGTH	BEARING	CURVE	LENGTH	RADIUS	TANGENT	DELTA
L1	N/A	N/A	C1	78.86	50.50	50.04	89°28'23"
L2	13.21	N27°53'04"E	C2	7.60	27.50	3.82	15°49'40"
L3	179.96	N62°06'56"W	C3	10.32	4.00	13.84	147°45'56"
L4	19.64	N27°53'04"E	C4	1.25	46.50	0.62	1°32'03"
L5	N/A	N/A	C5	29.93	46.50	15.23	34°16'46"
L6	23.75	N27°53'04"E	C6	49.15	64.50	25.83	43°39'23"
L7	231.13	S27°53'04"W	C7	36.31	64.50	18.66	32°15'23"
L8	28.28	N27°53'04"E	C8	2.77	1.50	1.98	105°37'07"
L9	20.12	N62°06'56"W	C9	25.47	27.50	13.73	53°03'24"
L10	15.04	N27°53'04"E	C10	8.28	2.00	INFINITE	180°00'00"
L11	4.00	N62°06'56"W	C11	38.48	24.50	24.50	90°00'00"
L12	15.50	N27°52'35"E	C12	3.93	2.50	2.50	90°00'00"
L13	15.50	N27°52'35"E	C13	2.36	1.50	1.50	90°00'00"
L14	8.77	N62°07'12"W	C14	2.36	1.50	1.50	89°59'59"
L15	21.02	N27°53'04"E	C15	4.69	2.50	3.41	107°28'34"
L16	17.50	S62°06'58"E	C16	8.55	19.50	4.35	25°07'48"
L17	154.00	S27°53'04"W	C17	13.37	19.50	6.96	39°17'28"
L18	18.50	S62°06'55"E	C18	8.28	18.50	4.22	28°40'11"
L19	4.00	S27°53'04"W	C19	11.70	18.50	6.11	40°36'40"
L20	18.50	S62°06'55"E	C20	23.13	44.50	11.83	29°48'40"
L21	55.00	S27°53'04"W	C21	39.97	67.00	20.60	34°10'58"
L22	16.71	S62°06'54"E	C22	29.46	40.50	15.41	41°40'23"
L23	3.15	N62°06'54"W	C23	2.63	4.50	1.90	32°15'13"
L24	17.59	S62°06'54"E	C24	18.06	11.50	11.50	90°00'00"
L25	11.21	S70°06'54"W	C25	7.07	4.50	4.50	89°59'59"
L26	18.58	S75°42'30"E	C26	3.93	2.50	2.50	90°00'00"
L27	4.47	N13°36'11"E	C27	14.37	19.50	7.53	42°13'30"
L28	4.53	N13°36'11"E	C28	25.06	42.00	12.91	34°10'56"
L29	100.13	S75°42'30"E	C29	64.19	35.50	45.11	103°35'34"
L30	5.26	N27°53'04"E	C30	43.20	27.50	27.50	90°00'00"
L31	25.81	N27°53'04"E	C31	5.30	2.50	4.47	71°36'45"
L32	15.50	N62°06'57"W	C32	5.84	4.50	3.03	35°15'03"
L33	72.50	S27°52'32"W	C33	23.58	15.00	15.01	10°03'01"
L34	46.50	S27°52'32"W	C34	34.70	23.50	23.27	89°29'22"
L35	17.49	S62°06'56"E	C35	24.97	16.00	15.86	88°21'21"
L36	56.69	S27°53'04"W					
L37	11.21	S70°06'54"W					
L38	116.28	S75°42'30"E					
L39	227.12	S27°53'04"W					
L40	151.67	N62°06'56"W					
L41	32.00	N27°53'04"E					
L42	32.00	N27°53'04"E					
L43	51.87	N27°53'04"E					
L44	44.12	N27°53'04"E					

CLV STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION.
 2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC/ELECTRICAL FIELD OPERATIONS DIVISION AND THE CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623.L0.03 (E) OF THE SPECIFICATIONS.
 3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
 4. ALL EMPTY CONDUIT SHALL HAVE PULL STRINGS INSTALLED PRIOR TO FINAL INSPECTION.
 5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE OF 18" TO THE FACE OF STREET LIGHTING POLE ON ALL SIDES WHEN STREETLIGHT IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
 6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE ELECTRICAL SERVICES SECTION PRIOR TO ANY PREFINAL INSPECTION. THE AS-BUILT DRAWING NEED TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
 7. SERVICE POINT SHALL BE COORDINATED WITH NEVADA POWER COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE PLANS.
 8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
- WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED AT NO EXPENSE TO THE CITY OF LAS VEGAS.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

9135081 97277

BASIS OF BEARINGS

NORTH 89°42'26" EAST, BEING THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN PER FILE 107 OF PARCEL MAPS, PAGE 96.

BENCHMARK:

CITY OF LAS VEGAS BENCHMARK 7001 22SSE6
RIVET & PLAT IN TOP OF CURB AT THE NORTHEAST CORNER OF OWENS AVENUE AND DAVIS PL.
ELEVATION = 1920.75 FEET (585.446 METERS) NAVD 88

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED SANITARY SEWER LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED FIRE SPRINKLER LINE
- EXISTING GAS LINE
- EXIST./PROP. EDGE OF ASPHALT
- PROPERTY/RIGHT-OF-WAY LINE
- CENTERLINE
- EXIST./PROP. BLOCK WALL
- EX. OVERHEAD POWER/TELEPHONE
- SAWOUT LINE
- EXIST./PROP. SANITARY SEWER MANHOLE
- EXIST./PROP. 100W HPS STREETLIGHT
- EXIST./PROP. 150W HPS STREETLIGHT
- EXIST./PROP. 250W HPS STREETLIGHT
- HANDICAPPED SYMBOL
- EXIST./PROP. FIRE HYDRANT
- EXIST./PROP. GATE VALVE
- EXIST./PROP. REDUCING VALVE
- EXIST./PROP. CLEANOUT
- PROPOSED ASPHALT
- PROPOSED CONCRETE

ABBREVIATIONS

- AC..... ASPHALTIC CONCRETE
- BCR..... BEGINNING OF CURB RETURN
- BSW..... BACK OF SIDEWALK
- CC..... CLARK COUNTY
- CLV..... CITY OF LAS VEGAS
- ONLY..... CITY OF NORTH LAS VEGAS
- COH..... CITY OF HENDERSON
- CL..... CENTERLINE
- CO..... SEWER CLEANOUT
- CONC..... CONCRETE
- EAC..... EXISTING ASPHALTIC CONCRETE
- ECR..... END OF CURB RETURN
- EP..... EDGE OF PAVEMENT
- ETC..... EXISTING TOP OF CURB
- EX..... EXISTING
- FF..... FINISHED FLOOR
- FL..... FLOWLINE
- GB..... GRADE BREAK
- HP..... HIGH POINT
- IE..... INVERT ELEVATION
- L.V.W.D..... LAS VEGAS VALLEY WATER DISTRICT
- NTS..... NOT TO SCALE
- OH..... EXISTING OVERHEAD POWER
- PE..... PAD ELEVATION
- PL..... PROPERTY LINE
- PP..... POWER POLE
- SD..... STORM DRAIN LINE
- STA..... SQUARE FEET
- SL..... STREET LIGHT
- SS..... SANITARY SEWERLINE
- STA..... STATION
- SW..... SIDEWALK
- TS..... TOP OF BERM
- TC..... TOP OF CURB
- TYP..... TYPICAL
- VG..... VALLEY GUTTER
- WL..... WATERLINE
- WM..... WATER METER

REVISIONS

NO.	DATE	BY
1	06/08/05	
2	06/08/05	
3	06/08/05	

PROJECT DEVELOPER
500 PILOT ROAD, SUITE A
LAS VEGAS, NEVADA 89101
V-702-253-7111 F-702-253-8111

PROJECT NO. 170.10

LUCCHESI GALATI ARCHITECTS

H.E.L.P. - LAS VEGAS
AT OWENS

4130 S. SANDHILL, SUITE A-16
LAS VEGAS, NV 89121
PH. (702) 597-2988
FAX. (702) 597-0309

CONSULTING ENGINEERS, INC.

SCALE

HORIZONTAL: 1"=30'

VERTICAL: N/A

SHEET
C3
3 OF 5 SHEETS

CLV DWG #
107V4402

SEAL

KENNETH J. LANGER
REGISTERED PROFESSIONAL ENGINEER
CIVIL
No. 9478