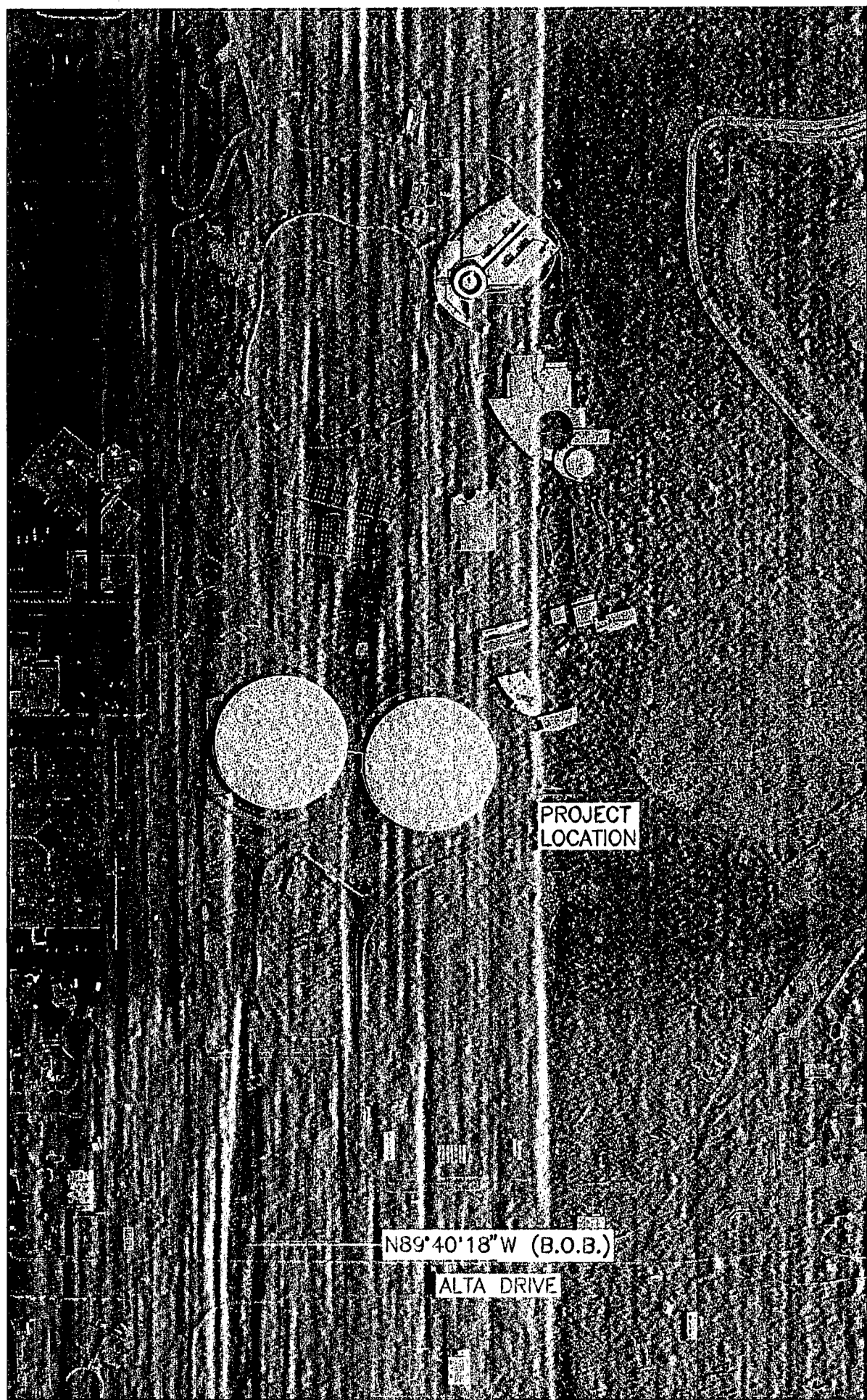


PROJECT BENCHMARK

DESCRIPTION:
CITY OF LAS VEGAS BENCHMARK - RIVET AND PLATE IN TOP OF CURB E SIDE TWIN LAKES DR. @ BONANZA RD.

ELEVATION:
648.869 METERS, 2,128.33 FEET (NAVD83)

SOURCE:
BENCHMARK STATION 21V01 29SWW6, "CITY OF LAS VEGAS VERTICAL CONTROL V.2008 ADJUSTMENT (UPDATE 5/24/2010)"

LOCATION:
T.20S R.61E S.29

TRANSFORMATION PARAMETERS

PROJECT TO STATE PLANE
PROJECT N + 26,000,000 X 0.999816774
PROJECT E + 600,000 X 0.999816774

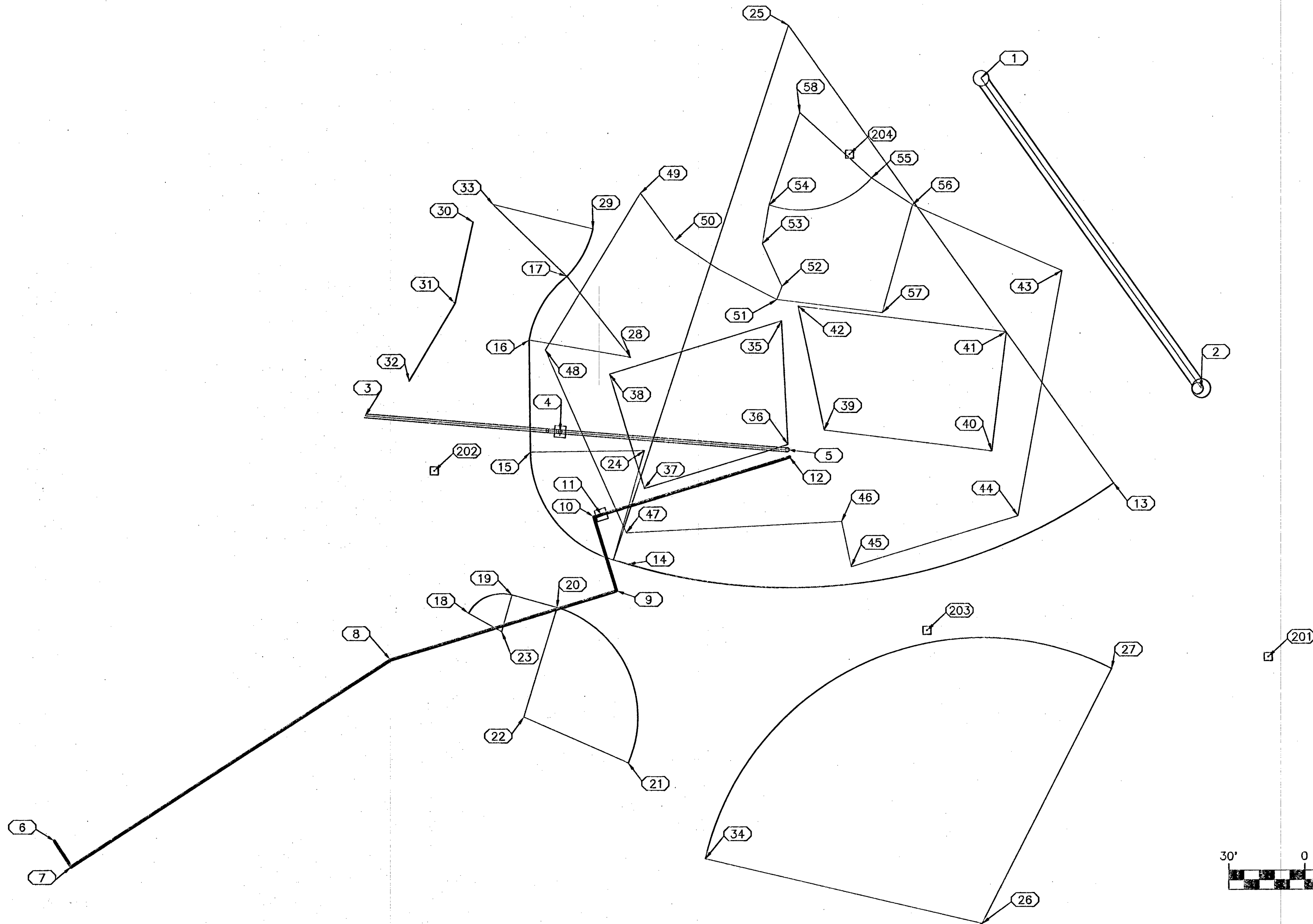
STATE PLANE TO PROJECT
STATE PLANE N X 1.000183260 - 26,000,000
STATE PLANE E X 1.000183260 - 600,000

ON-SITE PROJECT CONTROL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION
201	768216.3780	172616.9170	2134.598	60D NAIL
202	768240.8520	172507.1090	2134.628	60D NAIL
203	768219.8780	172572.0030	2133.636	HUB AND TACK
204	768282.3210	172561.7310	2133.770	60D NAIL

CONTROL COORDINATE TABLE

POINT #	PROJECT COORDINATES INFORMATION			NEVADA COORDINATE SYSTEM 1983 (GEOID 2003)		GEOGRAPHIC COORDINATES NAD 83		
	HORIZONTAL: U.S. SURVEY FEET	VERTICAL: NAVD 88 U.S. SURVEY FEET		NORTHING	EASTING	LATITUDE	LONGITUDE	EL HT (FT)
101	767289.56	173011.20	2121.29	26762385.09	772869.56	36° 09' 58.99858"	-115° 11' 16.60599"	2029.66
102	767297.13	171687.98	2139.05	26762392.65	771546.59	36° 09' 58.72644"	-115° 11' 32.74121"	2047.47
103	769948.20	172988.71	2115.54	26765043.24	772847.08	36° 10' 24.88751"	-115° 11' 16.74815"	2023.92



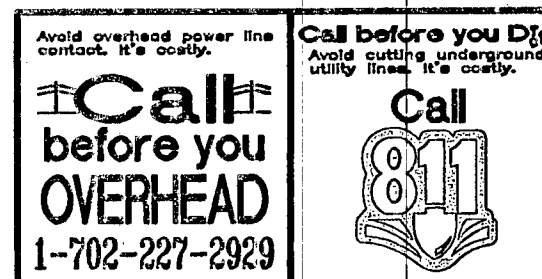
DESIGN POINT TABLE					DESIGN POINT TABLE					DESIGN POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION	POINT #	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION	POINT #	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION
1	768292.2341	172579.1098	DESIGN	18 INCH STORM	21	768202.4865	172532.6553	DESIGN	EDGE TRAIL	41	768259.0262	172582.4631	DESIGN	BLD AP
2	768251.5980	172608.0967	DESIGN	18 INCH STORM	22	768208.5045	172518.9155	DESIGN	15 RP	42	768262.3965	172555.0147	DESIGN	BLD AP
3	768248.0482	172498.0132	DESIGN	8 INCH SEWER CONNECT	23	768219.6916	172516.0019	DESIGN	5 RP	43	768267.0618	172589.7786	DESIGN	PAD AP
4	768246.0070	172523.6917	DESIGN	SEWER CLEANOUT	24	768243.5404	172534.7732	DESIGN	15 RP	44	768234.9356	172583.9917	DESIGN	PAD AP
5	768243.6289	172553.6083	DESIGN	SEWER RISER	25	768299.3932	172553.6341	DESIGN	73.94 RP	45	768228.2188	172562.0195	DESIGN	PAD AP
6	768192.1166	172457.0757	DESIGN	WATER	26	768181.4799	172579.2787	DESIGN	37.45 RP	46	768234.1773	172560.7621	DESIGN	PAD AP
7	768188.7576	172459.2477	DESIGN	WATER AP	27	768214.8342	172596.3181	DESIGN	EDGE TRAIL	47	768232.6875	172532.4124	DESIGN	PAD AP
8	768215.9716	172501.3330	DESIGN	WATER AP	28	768255.6798	172532.9446	DESIGN	13.54 RP	48	768256.6375	172521.7235	DESIGN	PAD AP
9	768225.0691	172531.0898	DESIGN	WATER AP	29	768272.5503	172528.0081	DESIGN	EDGE TRAIL	49	768277.2125	172534.2362	DESIGN	PAD AP
10	768234.7900	172528.1179	DESIGN	WATER AP	30	768273.4574	172512.2171	DESIGN	EDGE TRAIL	50	768271.0356	172538.8128	DESIGN	PAD AP
11	768235.0890	172529.0959	DESIGN	WATER METER	31	768262.7405	172509.8489	DESIGN	EDGE TRAIL	51	768263.2407	172552.2239	DESIGN	PAD AP
12	768242.6726	172553.9007	DESIGN	WATER	32	768252.5832	172503.8025	DESIGN	13.54 RP	52	768264.9917	172552.8967	DESIGN	PAD AP
13	768239.2153	172596.5883	DESIGN	EDGE TRAIL PC	33	768275.7364	172514.8509	DESIGN	13.54 RP	53	768270.6180	172550.3072	DESIGN	PAD AP
14	768228.5774	172532.5734	DESIGN	EDGE TRAIL PT	34	768189.9229	172542.7880	DESIGN	EDGE TRAIL	54	768275.6453	172551.1849	DESIGN	PAD AP
15	768243.3565	172519.7744	DESIGN	EDGE TRAIL PC	35	768260.4311	172552.8337	DESIGN	BLD AP	55	768279.1936	172564.6819	DESIGN	PAD AP
16	768257.9313	172519.5957	DESIGN	EDGE TRAIL PC	36	768244.3158	172553.6785	DESIGN	BLD AP	56	768275.6778	172570.0812	DESIGN	PAD AP
17	768266.3264	172524.5832	DESIGN	EDGE TRAIL PRC	37	768238.5351	172534.7709	DESIGN	BLD AP	57	768261.5378	172566.1085	DESIGN	PAD AP
18	768222.0858	172511.6124	DESIGN	EDGE TRAIL	38	768253.5091	172530.1929	DESIGN	BLD AP	58	768287.7352	172555.2214	DESIGN	PAD 12.75 RP
19	768224.5095	172517.3393	DESIGN	EDGE TRAIL PT	39	768246.1979	172558.4584	DESIGN	BLD AP					
20	768222.8524	172523.2901	DESIGN	EDGE TRAIL PC	40	768243.4848	172580.5548	DESIGN	BLD AP					

LEGEND

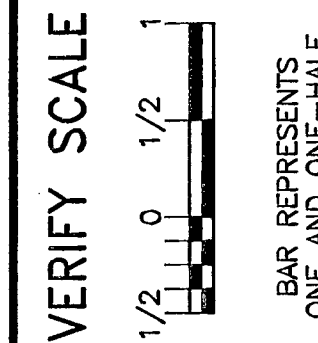
- TEMPORARY CONSTRUCTION CONTROL
- MONUMENT AS SHOWN

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS NORTH 89°40'18" WEST BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 31 TOWNSHIP 20 SOUTH RANGE 61 EAST M.D.M.



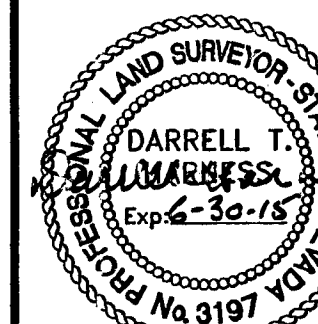
LAS VEGAS VALLEY
WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
(702) 870-2011



SPRINGS PRESERVE SOLAR HOUSE
SITE INFRASTRUCTURE

HORIZONTAL CONTROL

DRAWN BY: JLV
CHECKED BY: DTH
RECOMMENDED BY: JOSEPH Y. LIN
ACCEPTED BY: PETER J. JAUGH
DATE: 11/4/13
DATE: 11/4/13
DATE: 11/16/2013
DATE: 12-18-13



CONTRACT NUMBER
C1387
DRAWING NUMBER SV1
SHEET 6 OF 18

H#52213

CLV DWG # 565-485