

### SURVEYORS CERTIFICATION

I, PRO L. SURVEYOR, A PROFESSIONAL LAND SURVEYOR, REGISTERED IN THE STATE OF NEVADA, ACTING AS AGENT FOR (COMPANY), CERTIFY THAT:

1. THE MONUMENTS SHOWN HEREON ARE OF THE CHARACTER SPECIFIED AND OCCUPY THE POSITIONS INDICATED HEREON.

2. THIS SURVEY WAS PERFORMED IN COMPLIANCE WITH THE ACCURACY STANDARDS SET FORTH IN NEVADA ADMINISTRATIVE CODE NAC 625.666 FOR PROPERTY CLASSIFIED AS "HIGH URBAN" AS DEFINED IN NAC 625.740.

3. THE COORDINATES PROVIDED FOR DESIGN FEATURES SHOWN IN THE PROJECT DESIGN COORDINATE TABLE ARE IN THE SAME COORDINATE SYSTEM AS THE PROJECT CONTROL COORDINATE TABLE SHOWN HEREON. COORDINATES FOR DESIGN FEATURES ARE PROVIDED AS A COURTESY FOR CONSTRUCTION LAYOUT AND SHOULD BE VERIFIED WITH THE DESIGN DRAWINGS.

4. THE DESIGN FEATURES SHOWN HEREON WERE PROVIDED BY THE CERTIFYING PROFESSIONAL ENGINEER IDENTIFIED WITHIN THE DESIGN DRAWINGS AND IN ACCORDANCE WITH NEVADA ADMINISTRATIVE CODE NAC 625.610.

PRO L. SURVEYOR PROFESSIONAL LAND SURVEYOR NEVADA LICENSE NO. XXXXX

(TITLE) (COMPANY) MY LICENSÉ EXPIRES JUNE 30, XXXX

## BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS DETERMINED FROM THE NEVADA STATE PLANE COORDINATE SYSTEM OF 1983, EAST ZONE (2701) REFERENCED AS NORTH 00°23'34" WEST BEING THE WEST LINE OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 22 SOUTH, RANGE 60 EAST M.D.M. ALSO BEING THE CENTERLINE OF BUFFALO DRIVE. BEARING SHOWN AS NORTH 00°23'39" WEST ON RECORD OF SURVEY FILE 128 PAGE 55, (R1) ON FILE IN THE OFFICE OF THE RECORDER, CLARK COUNTY

#### PROJECT BENCHMARK

DESCRIPTION:
RIVET AND ROUND ALUMINUM PLATE IN A CONCRETE MONUMENT, NORTHWEST QUADRANT OF BUFFALO DRIVE AND ROBINDALE ROAD. ELEVATION = 795.693 METERS, 2.610.536 FEET (NAVD'88) SOURCE: BENCHMARK STATION 8C209E4 1998, "CLARK COUNTY VERTICAL CONTROL V.2003 T.22S R.60E NW #7

### ACCURACY NOTE

THIS SURVEY WAS PERFORMED IN COMPLIANCE WITH THE ACCURACY STANDARDS SET FORTH IN NEVADA ADMINISTRATIVE CODE NAC 625.666 FOR PROPERTY CLASSIFIED AS "HIGH URBAN" AS DEFINED IN NAC 625.740.

# TRANSFORMATION PARAMETERS

STATEPLANE COORDINATES ARE DERIVED BY ADDING 26,000,000 TO THE PROJECT NORTHING AND 600,000 TO THE PROJECT EASTING AND MULTIPYING BY THE PROJECT COMBINED FACTOR. (0.999790495)

PROJECT COORDINATES ARE DERIVED BY MULTIPLYING THE STATEPLANE VALUES BY THE PROJECT COMBINED FACTOR (1.000209549) AND SUBTRACTING 26,000,000 FROM THE NORTHING AND 600,000 FROM THE ÉASTING.

### PROJECT CONTROL COORDINATE TABLE

POINT (999)	HORIZONTAL			NATES INFORMATION FICAL: NAVD 88 U.S. SURVEY FEET (GEOID 2018)				GEOGRAPHIC COORDINATES 2011 (EPOCH 2010.0) (MYCS2)	
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	EL HT (FT)
(2)	21329.328	19991.037	2582.934	FOUND PK NAIL	26,015,882.20	619,865.33	36°03'20.24391"	-115°15'39.98155"	2491.833
(5)	20000.000	20000.000	2595.115	BC IN CON D.J.STRALLOW PLS 16448	26,014,552.87	619,874.30	36°03'07.09953"	-115°15'39.92598"	2504.001
6	18670.801	20009.557	2609.501	BC IN WELL D.J.STRALLOW PLS 16448	26,013,223.67	619,883.85	36°02'53.95644"	-115°15'39.86318"	2518.375
7	18784.647	19779.676	2611.312	60D NAIL AERIAL TARGET	26,013,337.52	619,653.97	36'02'55.08964"	-115°15'42.65760"	2520.195
(8)	18676.401	20338.866	2605.933	ALCAP D.J.STRALLOW PLS 16448	26,013,229.27	620,213.16	36°02'54.00102"	-115°15'35.85336"	2514.796
9	19867.463	19876.504	2598.312	FOUND 2X2 HUB AND TACK	26,014,420.33	619,750.80	36°03'05.79310"	-115 <b>°</b> 15'41.43505 <b>"</b>	2507.201

## GEODETIC AND COORDINATE INFORMATION

- 1. THIS SURVEY WAS PERFORMED UTILIZING STATIC GPS AND TERRESTRIAL SURVEYING TECHNIQUES.
- 2. THE GEODETIC AND STATE PLANE COORDINATES SHOWN HEREON WERE DERIVED BY CALCULATIONS PERFORMED USING STATIC BASELINE POST PROCESSING SOFTWARE (GRAFNET VERSION 8.9.4806) AND HOLDING FIXED NGS CORS STATIONS NVCA AND NVBM AT PUBLISHED DATASHEET. CORS STATION POSITION COORDINATE VALUES ARE ALSO REPORTED ON RECORD OF SURVEY FILE 215, PAGE 13.

PUBLISHED DATASHEET VALUES: NVCA: LAT-36°13'11.19377"N, LONG-115°10'19.35485"W, ELL. HT.- 646.170m NVBM: LAT-35°58'11.31986"N, LONG-115°09'27.00086"W, ELL. HT.- 713.237m

- 3. THE GEODETIC AND STATE PLANE COORDINATES ARE RELATED TO NAD83 2011 (EPOCH 2010.00) MYCS2
- 4 STATE PLANE AND PROJECT COORDINATE VALUES ARE REPORTED IN U.S. SURVEY
- 5. THE ELEVATIONS SHOWN HEREON WERE DERIVED USING GEOID 2018 CALCULATED ELEVATIONS AND ADJUSTED TO THE PROJECT BENCHMARK SHOWN HEREON.

### PROJECT DESIGN COORDINATE TABLE

POINT TABLE										
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION						
20	21317.2601	20317.7608	DESIGN	STUB						
21	21307.0578	20317.8550	DESIGN	AP						
22	21303.6708	19962.3840	DESIGN	AP						
23	20632.9259	19966.8161	DESIGN	TEE						
24	20632.7949	19947.2199	DESIGN	STUB						
25	19968.3712	19971.2072	DESIGN	PI						
26	19968.2549	19951.6451	DESIGN	STUB						
27	19968.4069	19977.2159	DESIGN	AP						
28	19366.0188	19981.3441	DESIGN	AP						
29	19365.9293	19968.3437	DESIGN	PI						
30	19365.8428	19955.7731	DESIGN	STUB						
31	18772.1675	19972.4129	DESIGN	AP						
32	18772.5654	20030.4715	DESIGN	AP						
33	18512.3479	20032.2549	DESIGN	STUB						

LAS VEGAS VALLEY WATER DISTRICT PROJECT: XXXXX COMMIT: XXXXXX DRAWING/NUMBER

SCAL

VERIFY

IORIZON

CLV DWG #

SHEET XX OF XX

SV2