

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Dig
Avoid cutting underground utilities. It's costly.
Call before you Overhead
Nevada Power
Environment and Safety
Services Department
1-800-227-2600
1-702-455-7544

CONSTRUCTION NOTES

- CONSTRUCT AC PAVEMENT PER DETAILS 1 THRU DETAIL 8 ON SHEET D-1
- CONSTRUCT 24" "L" TYPE CURB AND GUTTER PER CCAUSD # 216
- CONSTRUCT 30" ROLL CURB PER CCAUSD # 217.51
- CONSTRUCT "A" CURB PER CCAUSD # 219
- CONSTRUCT 8" CROSS GUTTER PER CCAUSD # 228
- CONSTRUCT 5" SIDEWALK PER CCAUSD # 234
- CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOWNS OR EQUIVALENT PER CCAUSD # 235 (CASE 1)
- CONSTRUCT 5" CURB TRANSITION FROM "L" CURB TO ROLL CURB
- CONSTRUCT 5" CURB TRANSITION FROM ROLL CURB TO DEPRESSED CURB
- CONSTRUCT RIPRAP SWALE, d50=6", THICKNESS=12"
- CONSTRUCT 2" SIDEWALK DRAIN PER CCAUSD # 236
- CONSTRUCT 6" HIGH WROUGHT IRON FENCE SEE DETAIL 36/D-2
- CONSTRUCT 5" WIDE PEDESTRIAN ACCESS GATE
- CONSTRUCT 12.5" TYPE "CW2" DROP INLET (4 GRATES W/ 2.5" SWEEPER) PER CCAUSD #412.1 & 421
- CONSTRUCT 10" 20" OF SIDEWALK PER CCAUSD #236 ON EITHER SIDE OF SW UNDERDRAIN
- CONSTRUCT 7.5" TYPE "CW2" DROP INLET (2 GRATES W/ 2.5" SWEEPER) PER CCAUSD #412.1 & 421
- CONSTRUCT WROUGHT IRON FENCE SEE DETAIL 35/D-2
- CONSTRUCT 1" WIDE BY 3" DEEP 150 PSI CONCRETE SLURRY CUT OF WALL
- CONSTRUCT 27.5" TYPE "CW2" DROP INLET (10 GRATES W/ 2.5" SWEEPER) PER CCAUSD #412.1 & 421

SEWER CONSTRUCTION NOTES

- INSTALL 48" STANDARD MANHOLE (PER DCSWCS STD. NO. SD-1A, SD-4, SD-5 & SD-6)
- INSTALL 4" SEWER LATERAL (PER DCSWCS STD. NO. SD-17, SD-22 & SD-25) AND 1 CU-FT THRUST BLOCK @ CAP
- TYPICAL LOCATION FOR SEWER LATERAL AT WATER MAIN CROSSING. ALL SEWER LATERALS MUST MAINTAIN 18" VERTICAL CLEARANCE BELOW WATER MAIN AT CROSSINGS.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. ELV90 1854
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF GRAND CANYON AND ELKHORN
ELEVATION=840.308 METERS (NAV80)
ELEVATION=2756.91 US SURVEY FEET (NAV80)

BASIS OF BEARINGS

N 00°00'21" W, BEING THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, W.D.M., AS SHOWN THAT CERTAIN MAP IN FILE 82, PAGE 20, OF PARCEL MAPS ON FILE IN THE COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

CURVE TABLE					CASE 1 SIDEWALK RAMP PER CC STD DWG 235	
CURVE	DELTA	RADIUS	LENGTH	TANGENT	"A"	"B"
C17	90°0'0"	20.00'	31.42'	20.00'	8'	8'
C18	90°0'0"	20.00'	31.42'	20.00'	8'	8'
C19	90°0'0"	20.00'	31.42'	20.00'	-	-
C23	90°0'0"	20.00'	31.42'	20.00'	-	-
C24	90°0'0"	20.00'	31.42'	20.00'	-	-
C28	90°0'0"	20.00'	31.42'	20.00'	-	-

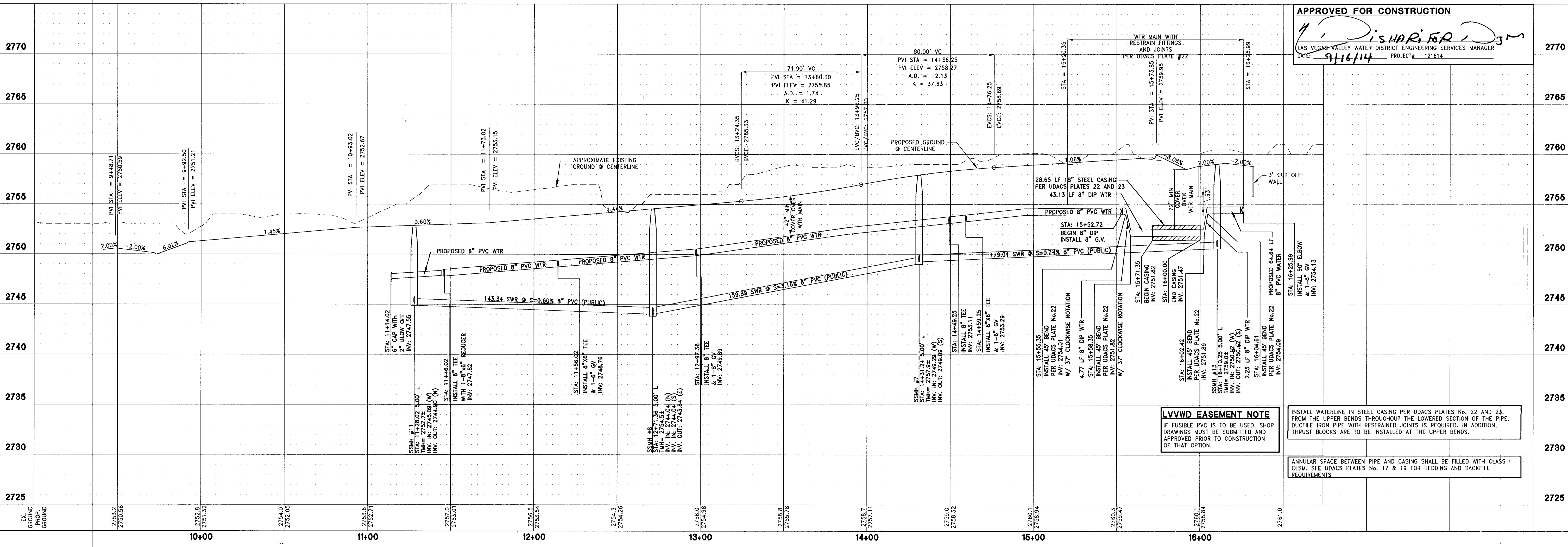
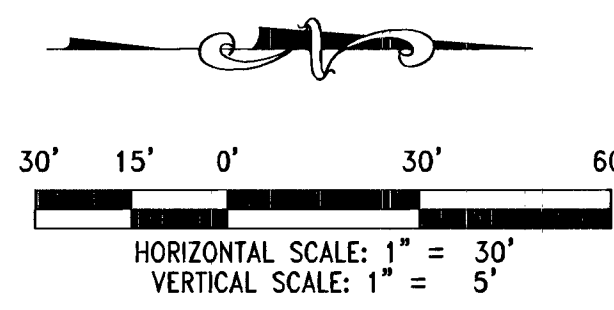
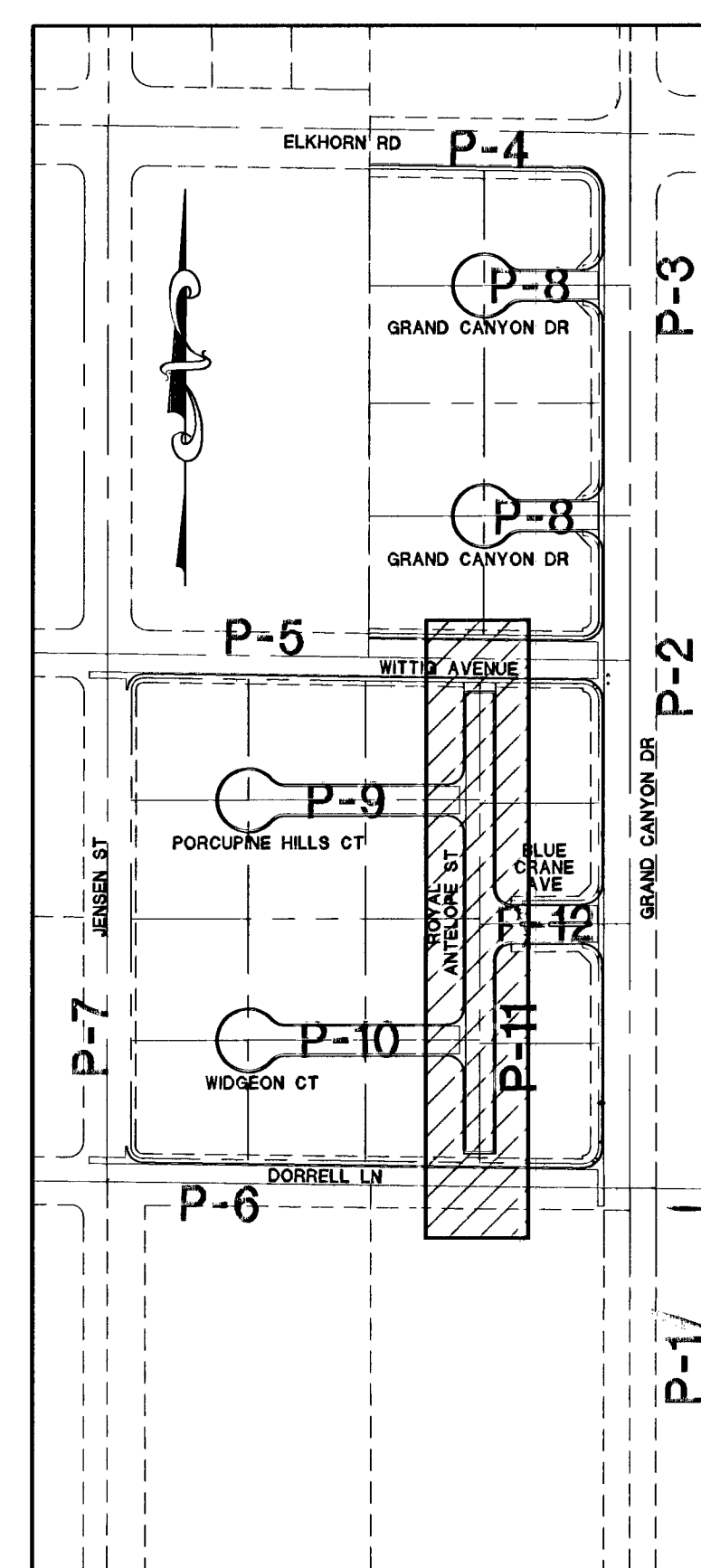
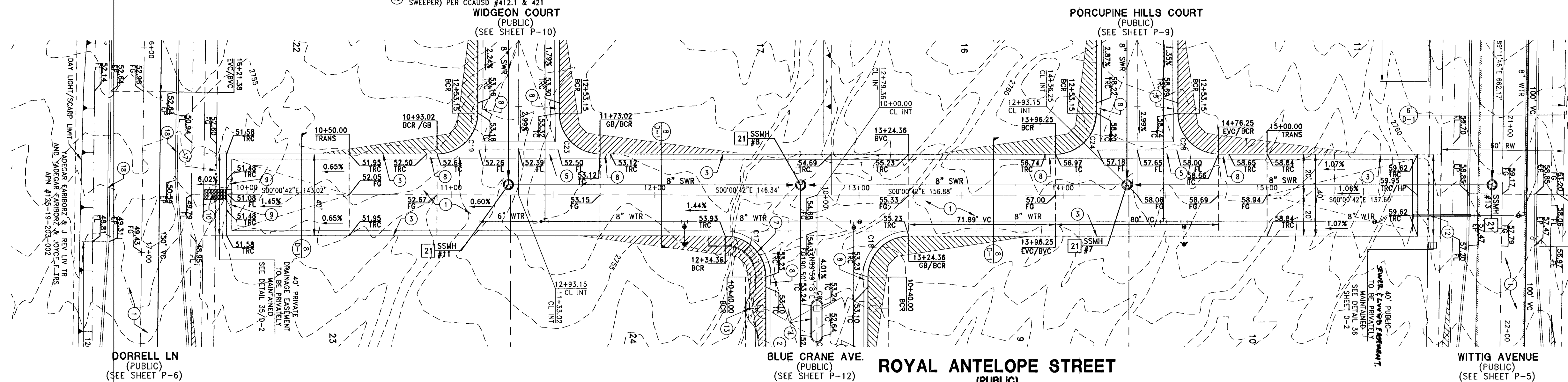
WATER MAIN JOINT DEFLECTION (PVC 4"-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NOTE:

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15



APPROVED FOR CONSTRUCTION

Las Vegas Valley Water District Engineering Services Manager
DATE: 9/16/14 PROJECT: 121614

LVVWD EASEMENT NOTE
IF FEASIBLE PVC IS TO BE USED, SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION OF THAT OPTION.

INSTALL WATERLINE IN STEEL CASING PER UDACS PLATES No. 22 AND 23. FROM THE UPPER BENDS THROUGHOUT THE LOWERED SECTION OF THE PIPE, DUCTILE IRON PIPE WITH RESTRAINED JOINTS IS REQUIRED. IN ADDITION, THRUST BLOCKS ARE TO BE INSTALLED AT THE UPPER BENDS.

ANNULAR SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH CLASS I CSJM. SEE UDACS PLATES No. 17 & 19 FOR BEDDING AND BACKFILL REQUIREMENTS.

TOLL NORTH LV, LLC

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Engineering

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PH: 702.455.0800 FAX: 702.455.0801

IMPROVEMENT PLANS FOR
SAVONA UNIT 3
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
PLAN AND PROFILE
ROYAL ANTELOPE STREET
CITY OF LAS VEGAS

JOHN I. LAND
LAND
Exp. 12/31/2015
CIVIL
No. 16441

9/11/2014

DRAWING

P-11

SHT 25 OF 35
DWG: 10745003
CLV PROJECT: 052625