DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS 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.

Avoid overhead power line contact. It's costly.
Call before you Overhead
1-702-227-2929
Nevada Power Environment and Safety Services Department

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811 or
1-800-227-2600
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

CONSTRUCTION NOTES

1. CONSTRUCT AC PAVEMENT PER DETAILS 1 THRU DETAIL 8 ON SHEET D-1
2. CONSTRUCT 24" "L" TYPE CURB AND GUTTER PER CCAUSD # 216
3. CONSTRUCT 30" ROLL CURB PER CCAUSD # 217.S1
4. CONSTRUCT "A" CURB PER CCAUSD # 219
5. CONSTRUCT 8' CROSS GUTTER PER CCAUSD # 228
6. CONSTRUCT 5' SIDEWALK PER CCAUSD # 234
7. CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD # 235 (CASE I)
8. CONSTRUCT 5' CURB TRANSITION FROM "L" CURB TO ROLL CURB
9. CONSTRUCT 5' CURB TRANSITION FROM ROLL CURB TO DEPRESSED CURB
10. CONSTRUCT RIPRAP SWALE, d50=6", THICKNESS=12"
11. CONSTRUCT 2' SIDEWALK DRAIN PER CCAUSD # 236
12. CONSTRUCT 6' HIGH WROUGHT IRON FENCE SEE DETAIL 36/D-2
13. CONSTRUCT 5' WIDE PEDESTRIAN ACCESS GATE
14. CONSTRUCT 12.5' TYPE 'CW2' DROP INLET (4 GRATES W/ 2.5' SWEEPER) PER CCAUSD #412.1 & 421
15. CONSTRUCT MIN 20" OF SIDEWALK PER CCAUSD #236 ON EITHER SIDE OF SW UNDERDRAIN
16. CONSTRUCT 7.5' TYPE 'CW2' DROP INLET (2 GRATES W/ 2.5' SWEEPER) PER CCAUSD #412.1 & 421
17. CONSTRUCT WROUGHT IRON FENCE SEE DETAIL 35/D-2
18. CONSTRUCT 1' WIDE BY 3' DEEP 150 PSI CONCRETE SLURRY CUT OF WALL
19. CONSTRUCT 27.5' TYPE 'CW2' DROP INLET (10 GRATES W/ 2.5' SWEEPER) PER CCAUSD #412.1 & 421

SEWER CONSTRUCTION NOTES

21. INSTALL 48" STANDARD MANHOLE (PER DCSWCS STD. No. SD-1A, SD-4, SD-5 & SD-6)
22. INSTALL 4" SEWER LATERAL (PER DCSWCS STD No. SD-17, SD-22 & SD-25) AND 1 CU-FT THRUST BLOCK @ CAP
23. 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. 6LV90 1854
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF GRAND CANYON AND ELKHORN

ELEVATION=840.308 METERS (NAVD'88)
ELEVATION=2756.91 US SURVEY FEET (NAVD'88)

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, M.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 I SIDEWALK RAMP PER CC STD DWG 235	
CURVE	DELTA	RADIUS	LENGTH	TANGENT	"A"	"B"
C2	90°0'0"	25.00'	39.27'	25.00'	8'	8'
C7	90°0'0"	25.00'	39.27'	25.00'	8'	8'
C17	90°0'0"	20.00'	31.42'	20.00'	8'	8'
C18	90°0'0"	20.00'	31.42'	20.00'	8'	8'

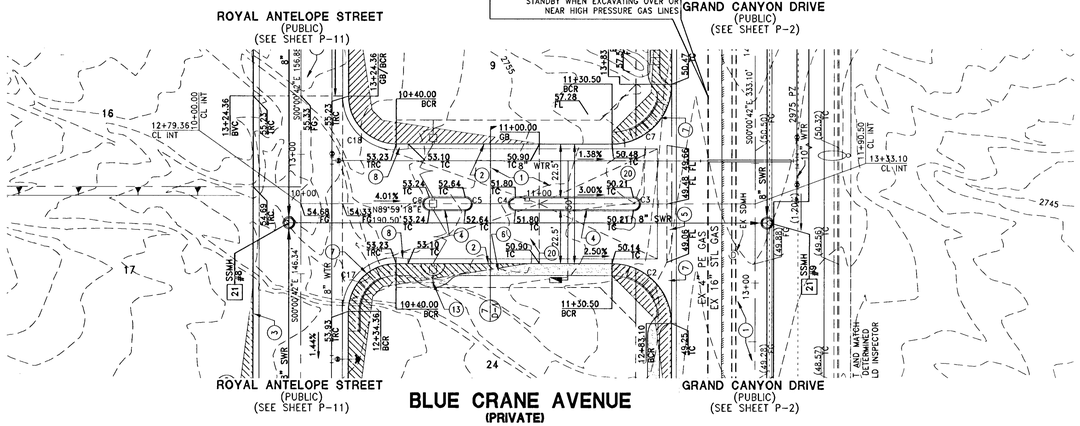
WATER MAIN JOINT DEFLECTION (PVC 4"-24")

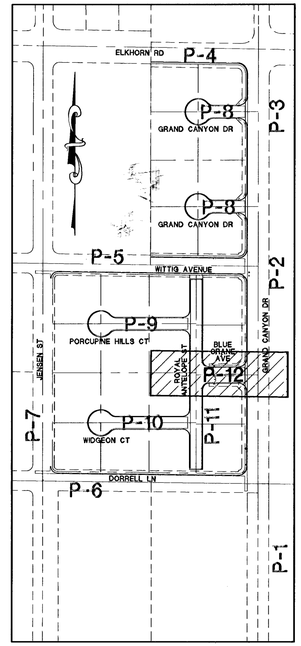
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02

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

CAUTION HIGH PRESSURE GAS!
CALL SOUTHWEST GAS AT 365-2296 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES

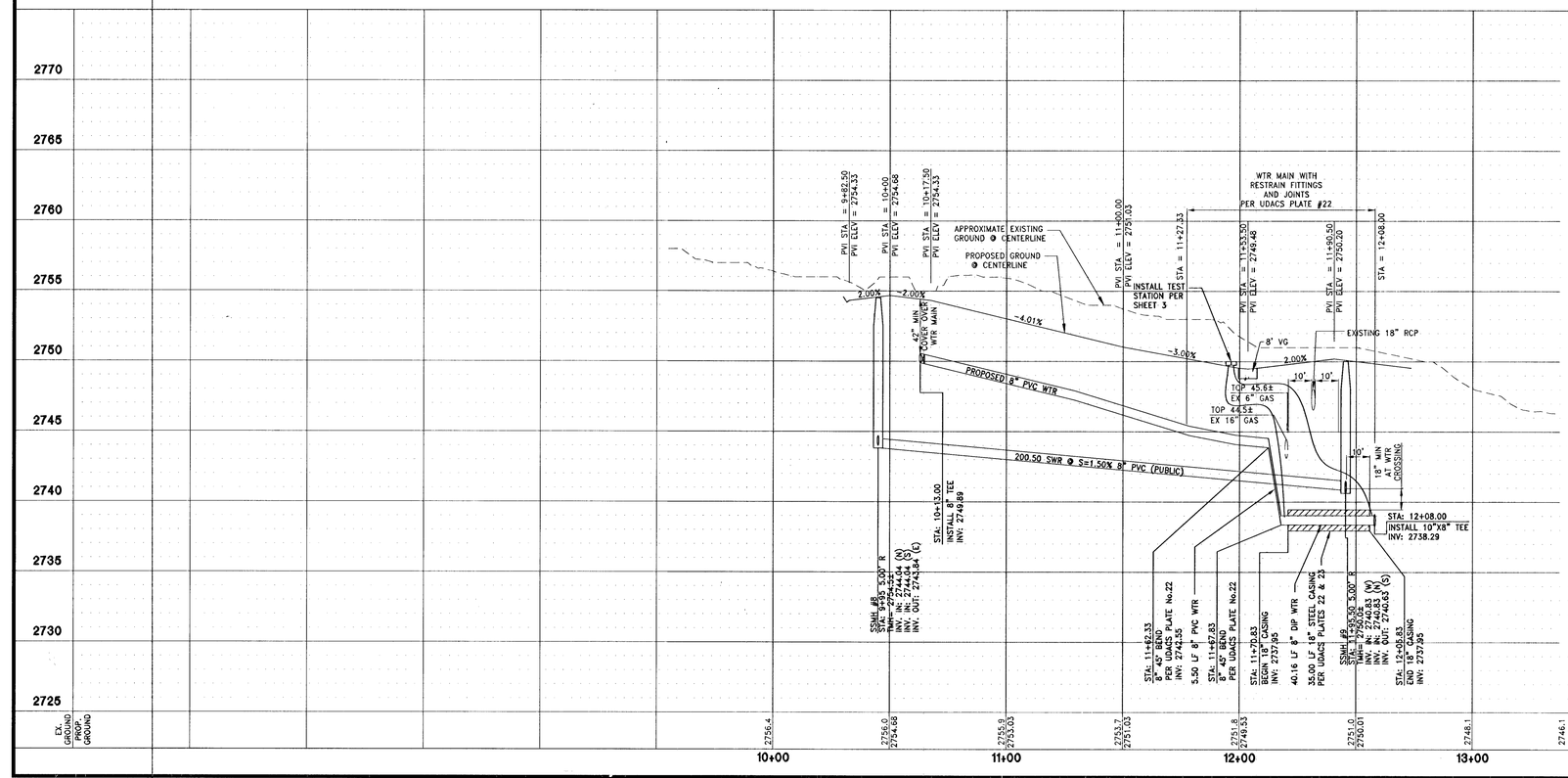




HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 5'

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 9/16/14 PROJECT # 121614



INSTALL WATERLINE IN STEEL CASING PER UDACS PLATE No. 23. 18"-CLEARENCE IS REQUIRED ABOVE THE TOP OF THE CASING 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 INSTALL AT THE UPPER BENDS.

ANNULAR SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH CLASS I CLSM. SEE UDACS PLATES 17 AND 19 FOR BEDDING AND BACKFILL REQUIREMENTS.

REV	DESCRIPTION	BY	APP'D	DATE

DATE: September 10, 2014
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=5'
DRAWN BY: CR
DESIGNED BY: SC
CHECKED BY: JIL
APPROVED BY: JIL
PROJECT #: 3110.0007

TOLL NORTH LV, LLC
1140 TOWN CENTER DRIVE SUITE 250
LAS VEGAS, NEVADA 89144
PHONE: 702-243-9600 FAX: 702-243-9610

RCI Engineering
4325 Dean Martin Drive Suite 300 Las Vegas, Nevada 89103
PH#702.453.0800 FAX#702.453.0801

IMPROVEMENT PLANS FOR
SAVONA UNIT 3
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
PLAN AND PROFILE
BLUE CRANE AVENUE

CITY OF LAS VEGAS NEVADA

PROFESSIONAL ENGINEER JOHN I. LAND Exp. 12/31/2015 CIVIL No. 16441 STATE OF NEVADA
9/11/2014

DRAWING
P-12
SHT 26 OF 35

DWG # 1074 5003
CLV PROJECT # 052625

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