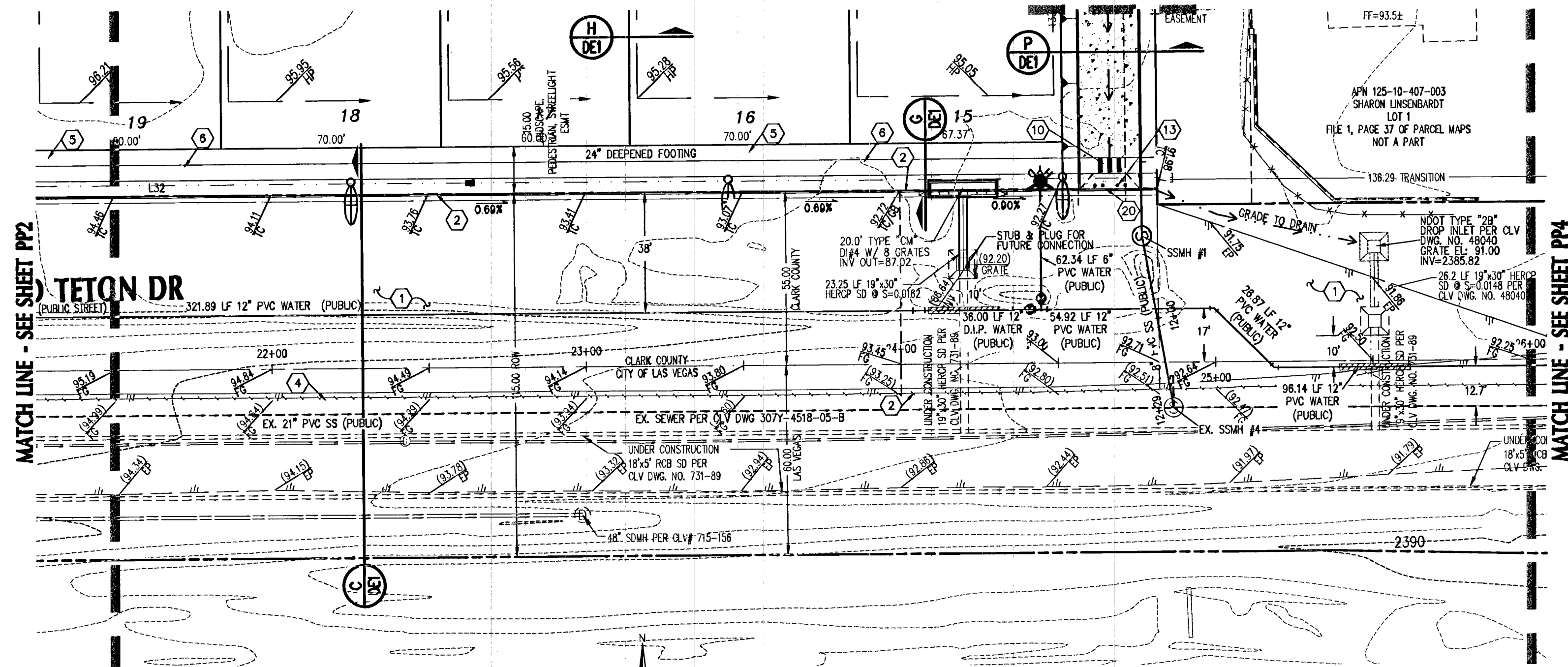
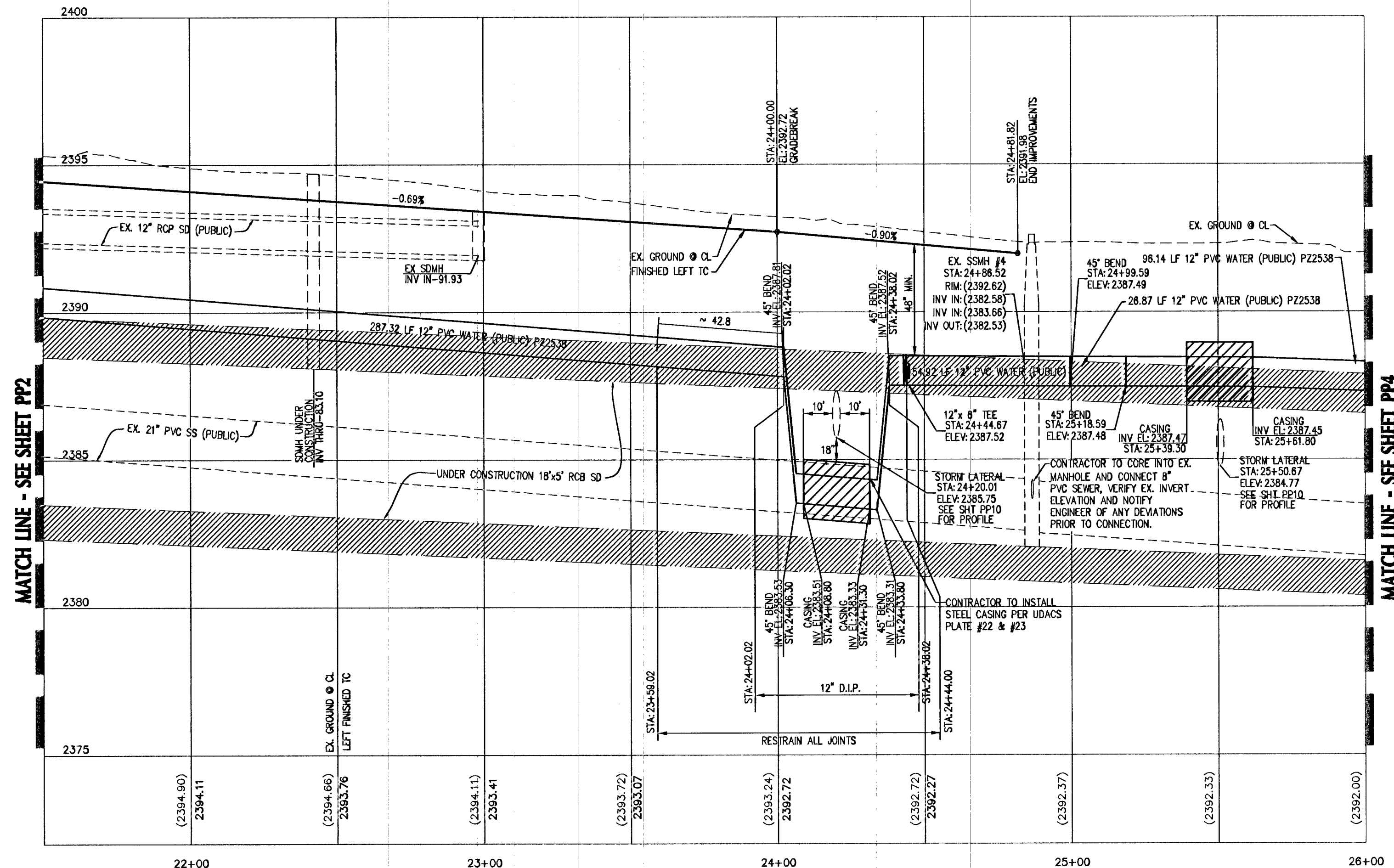


PLAN & PROFILE - OFFSITE SEWER - SEE SHEET PP9



GRAND TETON DR (PUBLIC) - PLAN VIEW

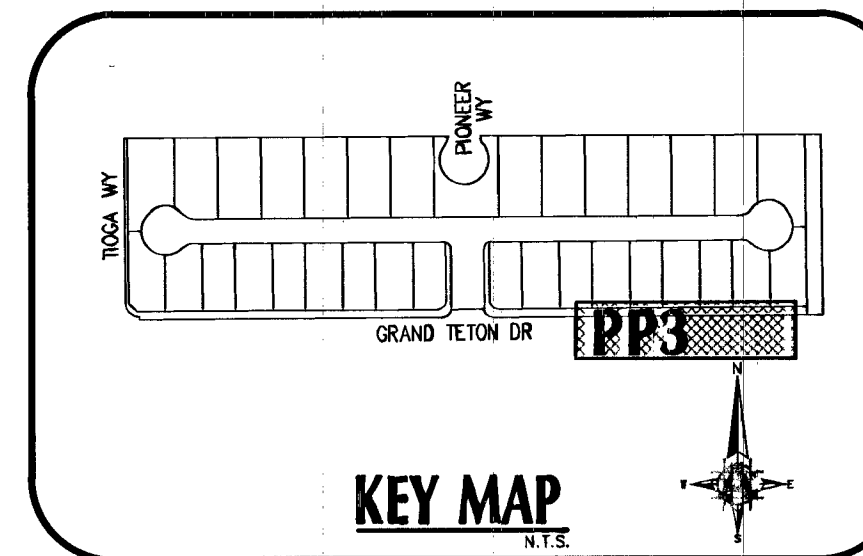
SCALE: 1" = 30'



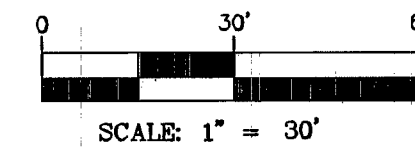
GRAND TETON DR (PUBLIC) - PROFILE VIEW

HORIZONTAL SCALE: 1" = 30'

VERTICAL SCALE: 1" = 3'



KEY MAP



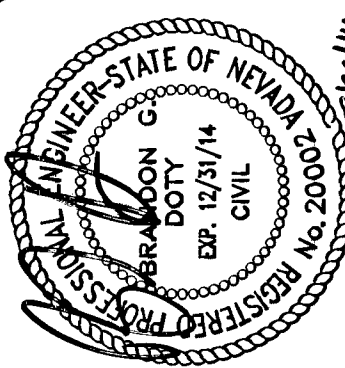
CONSTRUCTION NOTES:

1. INSTALL AC PAVEMENT OVER TYPE II AGG. BASE PER DETAIL "D" SHEET DE2
2. INSTALL 2" TYPE CURB & GUTTER PER CCASD #216
3. HATCHED AREA DENOTES SIGHT VISIBILITY ZONE PER CCASD #201.2
4. SCAPOUT AND MATCH EXISTING ELEVATION, CONTRACTOR TO VERIFY
5. INSTALL LANDSCAPING PER LANDSCAPE PLANS
6. INSTALL 5" WIDE, 4" THICK CONCRETE SIDEWALK PER CCASD #234
7. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCASD NO. 235, CASE 1 A-B, B-B' UNLESS OTHERWISE NOTED
8. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCASD NO. 235, CASE 2 A-B, B-B' UNLESS OTHERWISE NOTED
9. INSTALL 8" CONCRETE VALLEY GUTTER PER CCASD #228
10. INSTALL SIDEWALK UNDERDRAIN PER CCASD #238
11. PLACE DUAL DECORATIVE CHAIN LINK BLOCK AT GRADE
12. CONSTRUCT FLUME PER DETAIL "1" SHEET DE1
13. INSTALL REMOVABLE BOLLARDS PER DETAIL "2" SHEET DE1
14. CONSTRUCT "A" TYPE CURB PER CCASD #219
15. CONSTRUCT 2" SIDEWALK DRAIN PER CCASD #238
16. INSTALL 20" TYPE "CM" DROP INLET WITH 8 GRATES PER CCASD #421 & DETAIL SHEET DE2
17. CONSTRUCT 4" BLOCK WALL OPENING PER DETAIL "3" SHEET DE1
18. REMOVE EXISTING MEDIAN CURB, PROPOSED CURB TO MATCH EXISTING ELEVATION
19. INSTALL WROUGHT IRON GATE PER CITY OF LAS VEGAS STANDARD DRAWING 4218, SHEET DE2
20. INSTALL CURB OPENING PER DETAIL "C" SHEET DE2

LEGEND

- PROPOSED PAVEMENT
- PROPERTY LINE
- SCARP
- RETAINING WALL
- EXISTING CHAIN LINK FENCE
- RATE: FLOW RATE/DIRECTION
- NAT. GRND CONTOUR
- EXISTING CURB
- EXISTING STREETLIGHT
- EXISTING MANHOLE
- EXISTING UTILITY BOXES
- EXISTING POWER POLE
- PROPOSED GRADE TAG
- EXISTING GRADE TAG
- PROPOSED CONSTRUCTION NOTE

ADVANTAGE CIVIL DESIGN GROUP, LLP  
 2970 N. GREEN VALLEY PKWY.  
 SUITE 404 STE #4-222  
 HENDERSON, NEVADA 89014  
 Phone: 702-452-2224  
 Fax: 702-452-2224  
 Email: info@advantage-civil.com



PLAN & PROFILE - GRAND TETON 3  
 VERONA ESTATES  
 RICHMOND AMERICAN HOMES OF NV

NO.	DATE	DESCRIPTION

**NOTE:**  
 SEE SHEETS DE1 FOR TOTAL PROJECT QUANTITIES AND GENERAL NOTES.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

**FAST**  
 Call before you Dig  
 UnderGround  
 1-702-432-5300

Call before you Dig  
 AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

**811**

1-800-227-2600

**BASIS OF BEARINGS**  
 NORTH 84°40'02" EAST BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 10, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY ENGINEERING DEPARTMENT.

**BENCHMARK**  
 BENCHMARK STATION: BLV90 10SSWS  
 CITY OF LAS VEGAS RIVET AND PLATE IN CONCRETE CYLINDER, AT THE NORTHWEST CORNER OF GRAND TETON DRIVE AND PIONEER WAY.  
 ELEVATION=730.741 METERS (NAVOD88)  
 ELEVATION=2397.44 U.S. SURVEY FEET (NAVD-88)

**GENERAL NOTES**

1. SEE PARCEL MAP FOR EXACT BEARINGS AND DISTANCES.
2. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
3. ALL GRADING WORK TO CONFORM TO SOILS REPORT AS PREPARED FOR THIS PROJECT.
4. CONTRACTOR SHALL REMOVE EXCESS DEBRIS AND VERIFY WALL FOOTING ELEVATION PRIOR TO CONSTRUCTION, REPORT DISCREPANCIES TO ENGINEER IMMEDIATELY.

**UTILITY NOTES:**

1. ADVANTAGE CIVIL DESIGN GROUP ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.
2. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FOURTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UDACS 2.17.01.D)
4. GATE VALVES SHALL NOT BE LOCATED IN STREET GUTTERS, VALLEY GUTTERS, OR IN DRIVEWAYS PER UDACS FOR WATER DISTRIBUTION STANDARDS SECTION 2.11.01.E.
5. ALL SEWER AND STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES.

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

**SOILS NOTE:**  
 FOR SOILS INFORMATION, REFERENCE SOILS STUDY BY: ANGLE ENGINEERING PROJECT NUMBER: 26157-1 DATED: AUGUST 19, 2013

**FOR LINE & CURVE TABLE SEE SHEET PP1**

**APPROVED FOR CONSTRUCTION**

*Y. Disharibardjan*  
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER  
 PROJECT NO.: 116387 DATE: 9/10/14

CLV #54192 10745002

JOB NUMBER: 63-001  
 DRAWN BY: MK  
 DESIGNED BY: BGD  
 CHECKED BY: JRM  
 DATE: 8/2014

PP3 11 20