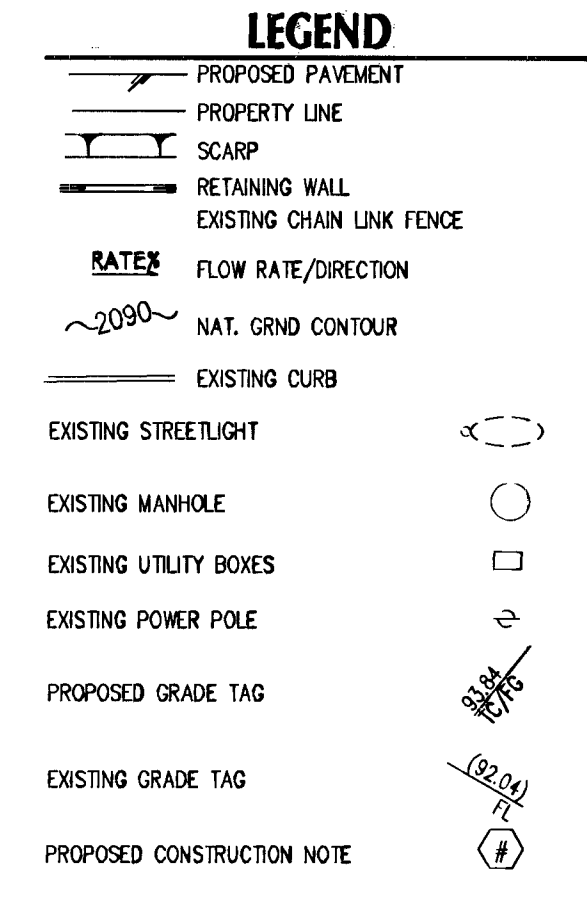


- CONSTRUCTION NOTES:**
1. INSTALL AC PAVEMENT OVER TYPE II AGG. BASE PER DETAIL "D" SHEET DE2
 2. INSTALL 2" 1" TYPE CURB & GUTTER PER CCAUSD #216
 3. HATCHED AREA DENOTES SIGHT VISIBILITY ZONE PER CCAUSD #201.2
 4. SAWCUT AND MATCH EXISTING ELEVATION, CONTRACTOR TO VERIFY
 5. INSTALL LANDSCAPING PER LANDSCAPE PLANS
 6. INSTALL 5" WIDE, 4" THICK CONCRETE SIDEWALK PER CCAUSD #234
 7. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD NO. 235, CASE 1 A=8'-0", B=8'-0" UNLESS OTHERWISE NOTED
 8. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD NO. 235, CASE 2 A=8'-0", B=8'-0" UNLESS OTHERWISE NOTED
 9. INSTALL 8" CONCRETE VALLEY GUTTER PER CCAUSD #228
 10. INSTALL SIDEWALK UNDERDRAIN PER CCAUSD #238
 11. PLACE DUAL DECORATIVE CHAIN DRINK 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 CCAUSD #219
 15. CONSTRUCT "Z" SIDEWALK DRAIN PER CCAUSD #236
 16. INSTALL 20" TYPE "OM" DROP INLET WITH 8 GRATES PER CCAUSD #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

- WATER 'CONSTRUCTION' NOTES:**
1. INSTALL GATE VALVE PER UDACS PLATES #30 AND #39
 2. INSTALL 12"x10" TEE WITH THRUST BLOCK PER UDACS PLATE #31
 3. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE #40 INCLUDE ALL VALVES, TEES, THRUST BLOCKS & APPURTENANCES.
 4. REMOVE CAP AND BLOW OFF PER UDACS PLATE #38 & CONNECT TO EXISTING MAIN
 5. TRENCH & BACKFILL PER CCAUSD #503
 6. SAWCUT, REMOVE, & REPLACE PAVEMENT PER CCAUSD #500.1
 7. INSTALL CAP AND 2" BLOW OFF ASSEMBLY PER UDACS PLATE #36
 8. WATER CROSSING WITH CASING PER UDACS PLATE #23
 9. INSTALL 45° BEND WITH THRUST BLOCK PER UDACS PLATE #31



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



Call before you Dig
Call 811
OR
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 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 RECORDS.

BENCHMARK:
BENCHMARK STATION: BLV90 10SSMB
CITY OF LAS VEGAS RIVET AND PLATE IN CONCRETE CYLINDER, AT THE NORTHWEST CORNER OF GRAND TETON DRIVE AND PIONEER WAY.
ELEVATION=7307.741 METERS (NAVD'88)
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.

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.

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.

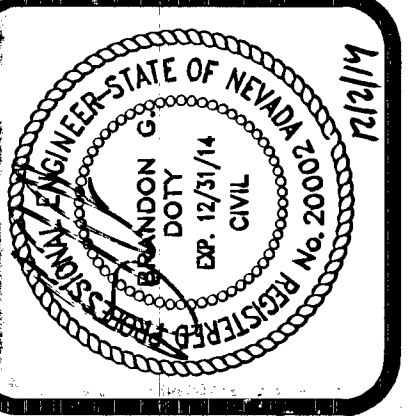
SOILS NOTE:
FOR SOILS INFORMATION, REFER TO SOILS STUDY BY: ANGLE ENGINEERING PROJECT NUMBER: 28157-1 DATE: AUGUST 19, 2013

FOR LINE & CURVE TABLE SEE SHEET PP1

APPROVED FOR CONSTRUCTION

L. Dishaq
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 116987 DATE: 12/14/14
1st Approved 9/10/14

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CIVIL ENGINEERING



PLAN & PROFILE - GRAND TETON 4
VERONA ESTATES
RICHMOND AMERICAN HOMES OF NV

NO.	DATE	DESCRIPTION
1	02/14	REVISION RECORDING HYDRANT ON PIONEER WAY, ADDING PROPOSED WATER MAIN UNDER PROPOSED PAVEMENT, ADDING SOUTHWEST GAS PLANS SHEETS: 1, 2, 7, 8, 11, 12, 15, 16, 18, 19, 21, 22, 23, 24, & 25

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

PP4 12 20