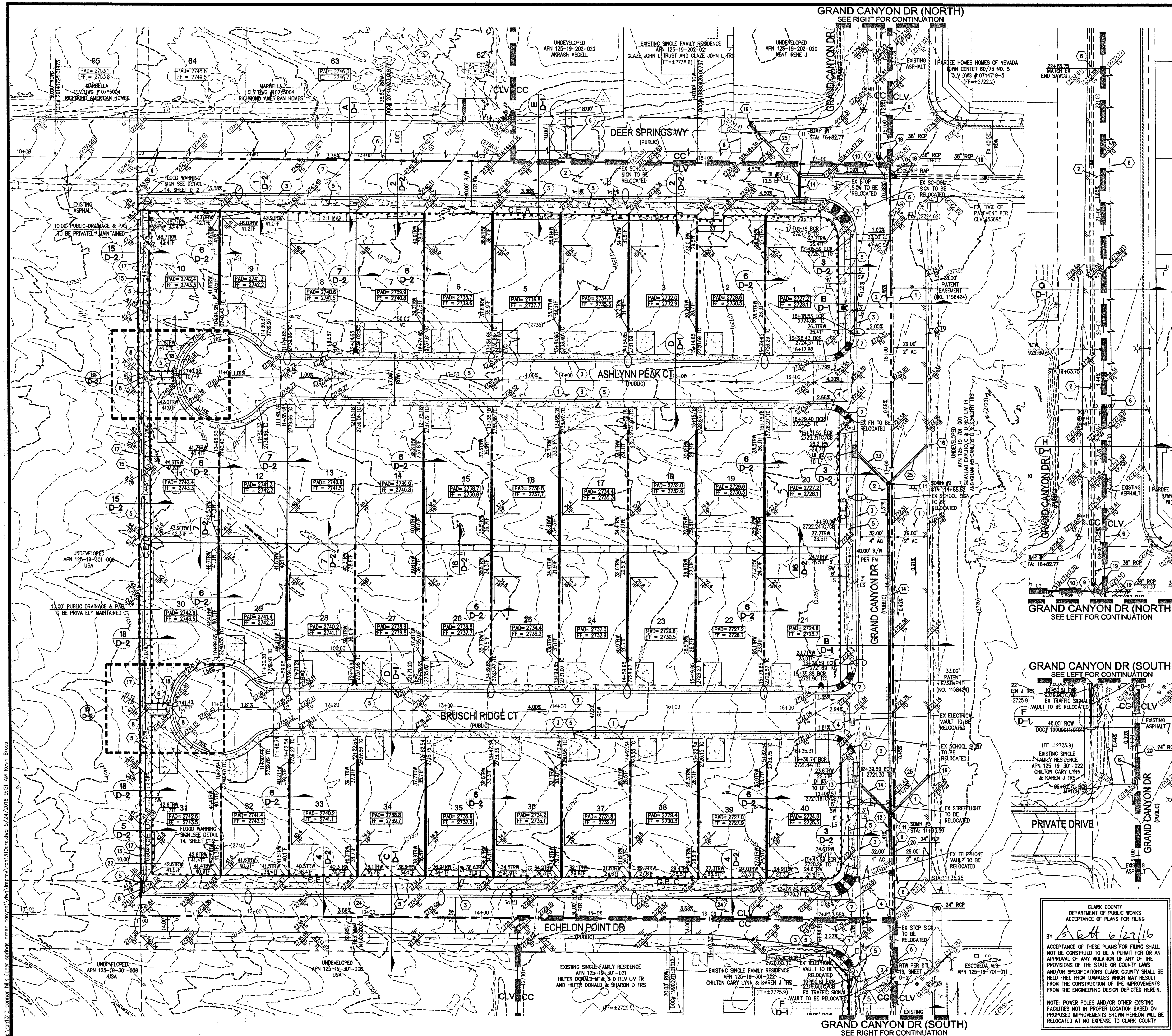




CONSTRUCTION NOTES

- CONSTRUCT 2" AG PAVEMENT WITH 4" TYPE 1 AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
- CONSTRUCT 4" AG PAVEMENT WITH 4" MATERIAL PER SOILS REPORT (HTR#4-66423).
- CONSTRUCT 1" TYPE CURB AND GUTTER PER CAUSD NO. 216.
- CONSTRUCT 5" CROSS OUTTER PER CAUSD NO. 228.
- CONSTRUCT 5" WIDE SIDEWALK PER SAWCUT AND MATCH EXISTING IMPROVEMENTS PER CAUSD 500.1, 500.2, 501.3, 501.4, AND 501.5.
- CONSTRUCT SIDEWALK RAMP USING ANCHOR TIE BRUNING HOMES OR EQUIVALENT PER CAUSD NO. 236, CASE 1.
- INSTALL SIDEWALK DRAIN PER CAUSD NO. 236.
- FIELD VERIFY, REMOVE EXISTING CAP AND CONNECT TO EXISTING STORM DRAIN STUB.
- INSTALL 36" CLASS III RCP STORM DRAIN.
- INSTALL 60" TYPE II STORM DRAIN MANHOLE PER CAUSD NO. 401 & 405.
- INSTALL 24" CLASS II RCP STORM DRAIN.
- INSTALL TYPE C&Z DROP INLET PER CAUSD NO. 412.1 & 421. (SEE SHEET PP-6 FOR PROFILE).
- INSTALL 18" CLASS II RCP STORM DRAIN (SEE SHEET PP-6 FOR PROFILE).
- INSTALL 6" HIGH WROUGHT IRON FENCE PER DETAIL 9 ON SHEET D-2.
- CONSTRUCT 3" U-CHANNEL PER DETAIL 8 ON SHEET D-2.
- CONSTRUCT 4" U-CHANNEL PER DETAIL 11 ON SHEET D-2.
- EXISTING STORM DRAIN PER TOWN CENTER 80/75 NO. 5, C.V. DWG. NO. 1074719-5.
- EXISTING STORM DRAIN PER GRAND CANYON MIDDLE SCHOOL, C.V. DWG. NO. 715-163.
- NOT USED.
- PUBLIC DRAINAGE AND PEDESTRIAN ACCESS TO BE PRIVATELY MAINTAINED.
- INSTALL 14" WIDE X 24" HIGH U-CHANNEL PER DETAIL 11 ON SHEET D-2.
- CONSTRUCT 3" AG PAVEMENT WITH 4" TYPE 1 AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
- INSTALL 18" CROSS STORM DRAIN PER CAUSD 2.22 (200.0). (SEE SHEET PP-6 FOR PROFILE).

SEE SHEET C-1 AND C-2 FOR ABBREVIATIONS, LEGEND & QUANTITIES

LEGEND

- BOUNDARY LINE
- ROADWAY CENTERLINE
- RIGHT-OF-WAY
- PROPERTY LINE
- CURB AND GUTTER
- EXISTING CURB AND GUTTER
- FLOWLINE
- EDGE OF PAVEMENT (EP)
- SAW-CUT LINE PER CAUSD NO. 503
- PROPOSED ELEVATION
- EXISTING ELEVATION
- FUTURE ELEVATION
- EXISTING CONTOUR (5'-FT)
- EXISTING CONTOUR (1'-FT)
- CUT/FILL TRANSITION LINE
- FIRE HYDRANT ASSEMBLY
- SIGHT VISIBILITY ZONE
- WROUGHT IRON FENCE
- PONY WALL
- RETAINING WALL
- DECORATIVE PERIMETER WALL
- DECORATIVE PERIMETER RETAINING WALL

SEE SHEET C-1 & C-2 FOR ABBREVIATIONS AND QUANTITIES

DISCLAIMER NOTE

1. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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 IN THEIR PROPER LOCATION.

2. FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED LIP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

GENERAL NOTES

- FINAL GRADES ADJACENT TO STRUCTURES SHALL BE IN CONFORMANCE WITH IBC 2009, SECTION 2304.11.2.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
- ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
- MAXIMUM MINIMUM SLOPES AND MINIMUM STREET SECTIONS NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
- ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
- CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CLARK COUNTY BUILDING DEPARTMENT.
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PROPOSED DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLACING FACILITIES.
- ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
- NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXIST) WITHIN THE SIGHT VISIBILITY ZONES.

FEMA FLOOD ZONE DESIGNATION

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD), PER FIRM PANEL 32003C1745E, DATED SEPTEMBER 27, 2002.

BASIS OF BEARING

NORTH 00°35'58" WEST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 132, PAGE 11 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NUMBER: BLV001004, NINETEEN AND PLATE IN TOP OF CURB ON THE NORTHEAST CORNER OF DEER SPRINGS WAY AND GRAND CANYON DRIVE.

ELEVATION: 2724.21 US SURVEY FEET (NAVD88) 830.340 METERS

PER CITY OF LAS VEGAS BENCHMARKS, 2008 ADJUSTMENT (UPDATED MAY 24, 2010)

FLOOD CERTIFICATION

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS4691 ON FILE AT CITY OF LAS VEGAS FOR THE SUBJECT PROJECT & CDP# 1059 14-43035.

Angela R. Pinley 6-5-16 DATE

ANGELA R. PINLEY, P.E. 21373

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS ACCEPTANCE OF PLANS FOR FILING

BY *Angela R. Pinley* 6/27/16

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE CITY OF CLARK COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY

FAST

Call before you dig. Avoid hitting overhead power lines. It's costly.

1-702-227-2929

811

Call before you dig. Avoid hitting overhead power lines. It's costly.

1-800-227-2600

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5309

CITY OF LAS VEGAS, NV

NO.	DESCRIPTION	DATE	BY	APP.
1	ADD BLM NOTE			
2	REVISE SAWCUT LINES FOR FIVE CONDUIT			
3	REV. AT GRAND CANYON & ECHOLON POINT			

DATE: 6/18/15
DRAFTER: CZ
DESIGNER: CZ
CHECKED: TJS
PROJECT NO. RAH1310

ANGELA R. PINLEY
Exp. 12/31/2017
CIVIL

G-1
SHEET 3 OF 21
H# 55727
10755027