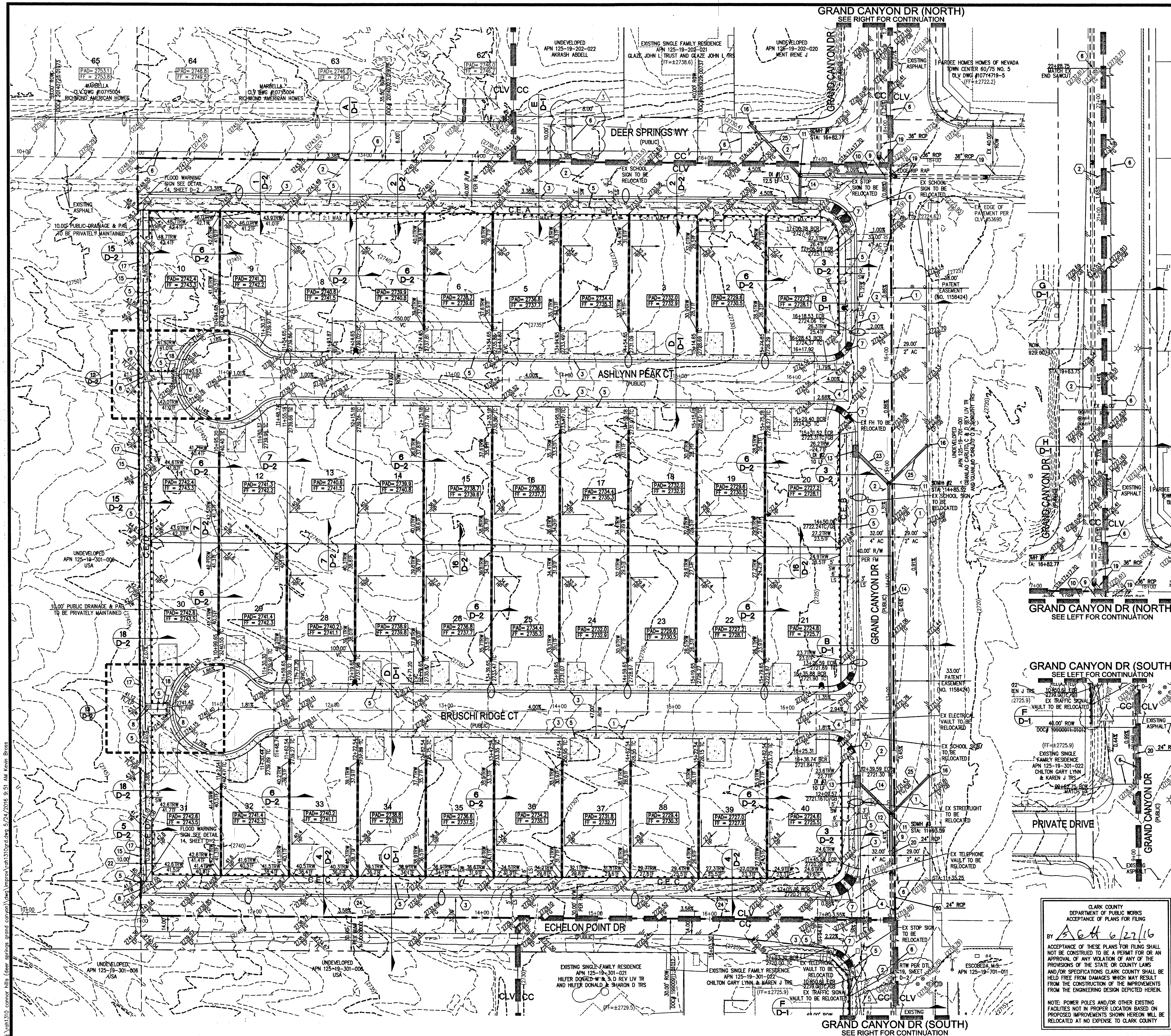




S-I-G SLATER
HANIFAN
GROUP
CONSULTING ENGINEERS & PLANNERS
3000 ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300
FAX (702) 284-5389

DEER SPRINGS WY

10	9	8	7	6	5	4	3	2	1
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ASHLYN PEAK CT

11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

BRUSHY RIDGE CT

31	32	33	34	35	36	37	38	39	40
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EGHELON POINT DR

KEY MAP
NOT TO SCALE

LEGEND

	BOUNDARY LINE
	ROADWAY CENTERLINE
	RIGHT-OF-WAY
	PROPERTY LINE
	CURB AND GUTTER
	EXISTING CURB AND GUTTER
	FLOWLINE
	EDGE OF PAVEMENT (EP)
	SAWCUT LINE PER OCAUSA NO. 303
	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 PAVING WALL

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

CONSTRUCTION NOTES

1. CONSTRUCT 1" TYPE I FAVEMENT WITH 4" TYPE I AGGREGATE BASE OVER NATIVE MATERIAL PER SOLS REPORT FOR CAUSD NO. 220.
2. CONSTRUCT 1" TYPE I AGGREGATE BASE OVER NATIVE MATERIAL PER SOLS REPORT FOR CAUSD NO. 220.
3. CONSTRUCT 1" TYPE CURB AND GUTTER PER CAUSD NO. 220.
4. CONSTRUCT 8" CROSS GUTTER PER CAUSD NO. 228.
5. CONSTRUCT 12" WIDE SIDEWALK PER CAUSD NO. 234.
6. MATCH EXISTING IMPROVEMENTS PER CAUSD 500.1, 500.2, 500.3, 500.5, AND 503.
7. CONSTRUCT SIDEWALK RAMPS USING AWWA 116 THICKENED DOMES OR EQUIVALENT PER CAUSD NO. 235, CASE I.
8. SIDEWALK DRAIN PER CAUSD NO. 236.
9. FIELD VERIFY, REMOVE EXISTING CAP AND CONNECT TO EXISTING STORM DRAIN.
10. INSTALL 36" CLASS III RCP STORM DRAIN.
11. INSTALL 80" TYPE I STORM DRAIN MANHOLE PER CAUSD NO. 401 & 405.
12. INSTALL 24" CLASS III RCP STORM DRAIN.
13. INSTALL TYPE CM2 DPO INLET PER CAUSD NO. 412.1 & 421. (SEE SHEET PP-6 FOR PROFILE)
14. INSTALL 18" CLASS III RCP STORM DRAIN (SEE SHEET PP-6 FOR PROFILE)
15. INSTALL 6" HIGH RICHWOOD (HON FENCE PER DETAIL 9) ON SHEET D-2.
16. CONSTRUCT SUB PAST PROPOSED EDGE OF FAVEMENT AND CAP PER DETAIL 1, ON SHEET D-2.
17. CONSTRUCT 12" U-CHANNEL PER DETAIL 8 ON SHEET D-2.
18. CONSTRUCT 4" U-CHANNEL PER DETAIL 11 ON SHEET D-2.
19. EXISTING STORM DRAIN PER TOWN ORDER 175-75 NO. 3, CLV DWG NO. 10714719-15.
20. EXISTING STORM DRAIN PER GRAND CANTON ROAD MIDDLE SCHOOL, CLV DWG NO. 715-163.
21. NOT USED.
22. PUBLIC DRAINAGE AND REESTRAN ADJUSTMENT SHALL BE PRIVATELY MAINTAINED.
23. CONSTRUCT 12" TYPE CM2 34" HRP INSTALLATION CLASS III RCP STORM DRAIN. (SEE SHEET PP-6 FOR PROFILE)
24. CONSTRUCT 12" TYPE CM2 34" HRP INSTALLATION CLASS III RCP STORM DRAIN WITH 4" TYPE I AGGREGATE BASE OVER NATIVE MATERIAL PER SOLS REPORT.
25. 12" RCP STORM DRAIN PER IOWA'S 22.02.02(2). (SEE SHEET PP-6 FOR PROFILE)
26. SEE SHEET C-1 AND C-2 FOR ABBREVIATIONS, LEGEND & QUANTITIES

0 40' 80'

SCALE: 1"=40 FEET

N



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 ON 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 UP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PAVEMENT LAYS. IF WIDENING OR WIDENING WITH SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

GENERAL NOTES

1. FINAL GRASSES ADJACENT TO STRUCTURES SHALL BE MAINTAINED IN CONFORMANCE WITH IBC 2009, SECTION 2304.11.2.2.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
3. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWEEP.
4. MAXIMUM MINIMUM SLOPES AND MINIMUM STREET SECTIONS NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
5. ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
6. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CITY OF LOS ANGELES.
7. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND MANHOLES AND NOTIFY ALL OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLENISHING FACILITIES IF DAMAGE TO EXISTING FACILITIES OR OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
8. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES ABOVE THE FINISHED GRADE TO THE TOP OF THE ADJACENT CURB (IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

SOILS REPORT BY ANGLE ENGINEERING
PROJECT NO. 26164-1, DATED 12/06/13

EARTHWORK QUANTITIES (RAW):
CUT= 19.307 CU YDS/FILL= 8.160 CU YDS

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°3'58" WEST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF THE NORTHEAST QUARTER (NE1/4) 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: 6LV9019C4
RIVET AND PLATE IN TOP OF CURB ON THE NORTHEAST
CORNER OF DEER SPRINGS WAY AND GRAND CANYON
DRIVE.
ELEVATION: 7274.21 US SURVEY FEET (NAVD88)
830.340 METERS
PER CITY OF LAS VEGAS BENCHMARKS, 2008 ADJUSTMENT
(UPDATED MAY 24, 2010)

FL
I CERR
APPR
LAS
C
ANGE

WOOD CERTIFICATION

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

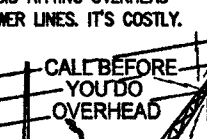
Michael R. Bailey 6516
LA R. BAILEY, P.E. 21373 DATE



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27-2600

RAH1310

Angela R. Pinley

PROFESSIONAL ENGINEER

ANGELA R. PINLEY

Exp. 12/31/2017

CIVIL

STATE OF NEWARK

No. 21373

65-16

G-1

SHEET 3 OF 21

HA 56727

107Y5027