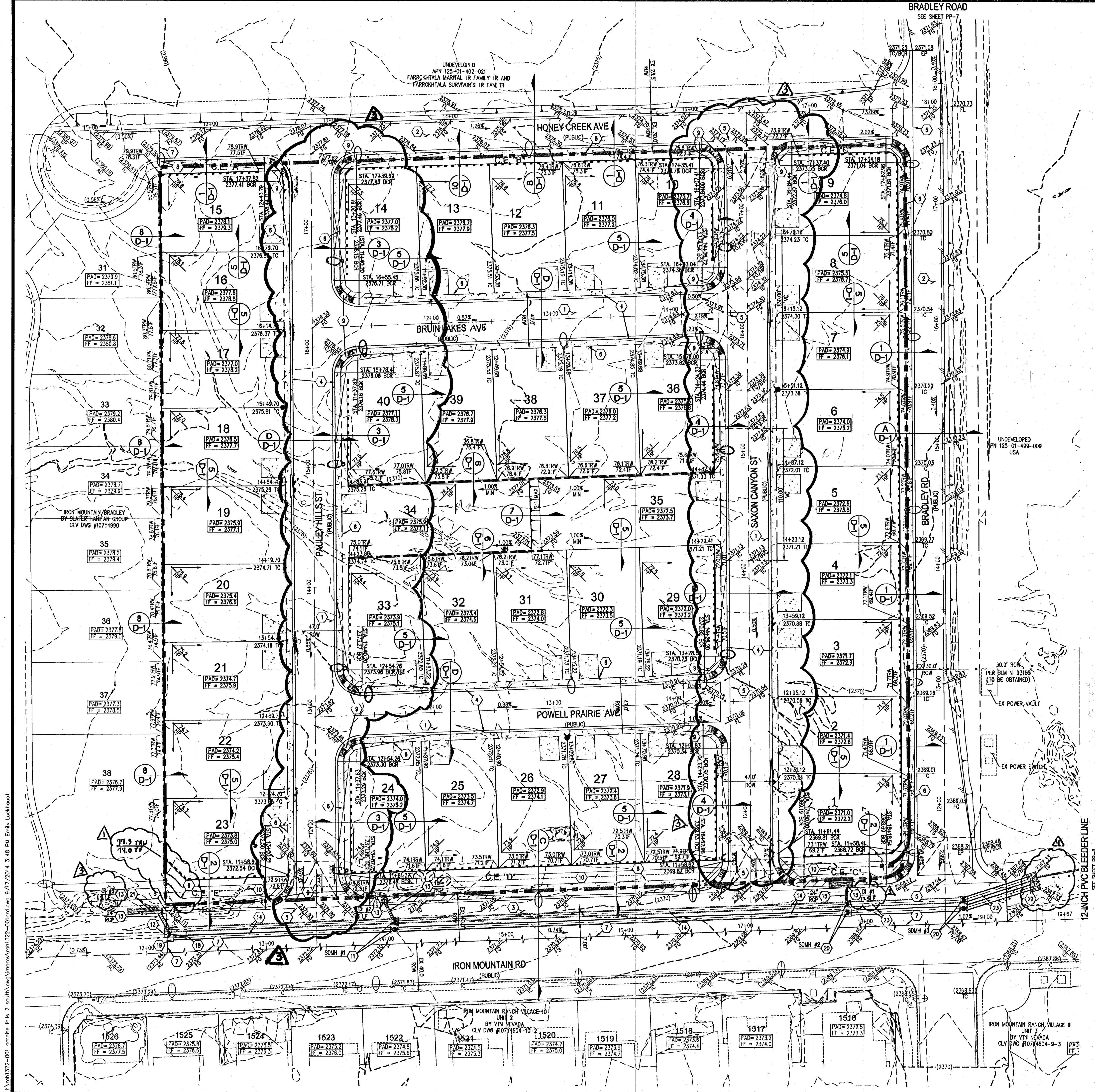




GENERAL NOTES

1. FINAL GRADES ADJACENT TO STRUCTURES SHALL BE 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 SWPPP.
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 CLARK COUNTY BUILDING DEPARTMENT.
7. 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 PRIOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLACING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
8. 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.

KEY MAP

NOT TO SCALE

CONSTRUCTION NOTES

1. CONSTRUCT 2" AC PAVEMENT WITH 8" TYPE I AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
2. CONSTRUCT 3" AC PAVEMENT WITH 7" TYPE I AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
3. CONSTRUCT 4" AC PAVEMENT WITH 12" TYPE I AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
4. CONSTRUCT 1" TYPE CURB AND GUTTER PER CCAUSD NO. 218.
5. CONSTRUCT 6" CROSS GUTTER PER CCAUSD NO. 228.
6. CONSTRUCT 5" WIDE SIDEWALK PER CCAUSD NO. 234.
7. SAWCUT AND MATCH EXISTING IMPROVEMENTS.
8. FIELD VERIFY AND CONNECT TO EXISTING CURB, GUTTER AND SIDEWALK.
9. CONSTRUCT DOWNHILL RAMP USING ANHORN TILE MANHOLE DOWNS OR EQUIVALENT PER CCAUSD NO. 234, CASE 1.
10. RAMP PER CLV TRAIL IMPROVEMENT GUIDELINE DWG. 100-100-001.
11. INSTALL 60" TYPE II STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 405.
12. DRAIN SERVICE CONNECTION TO EXISTING STORM DRAIN.
13. INSTALL 12" PVC 50' STORM DRAIN PER CCAUSD NO. 421 & 422.
14. INSTALL 36" ROP CLASS III SD (PUBLIC).
15. INSTALL 50' LATERALS (PUBLIC), SEE SHEET PP-10.
16. INSTALL 12" PVC 50' BLEEDER LINE (PUBLIC).
17. INSTALL STORM DRAIN CLEAN-OUT PER DETAIL 9, SHEET D-1.
18. REMOVE EX 48" CLASS III ROP SD.
19. JUNCTION STRUCTURE.
20. INSTALL 60" W.P. STORM DRAIN MANHOLE PER DETAIL 9, SHEET D-1.
21. REMOVE EXISTING DROP INLET.
22. INSTALL SPECIAL DROP INLET OVERSEA STRUCTURES FOR PROTECTION OF EXISTING STRUCTURES.
23. INSTALL 24" X 36" CLASS III HERP SD (PUBLIC).

SEE SHEET C-2 FOR ABBREVIATIONS, LEGEND & QUANTITIES

BLM RIGHT OF WAY GRANT

AN APPROVED AND RECORDED BLM RIGHT OF WAY GRANT IS REQUIRED PRIOR TO CONSTRUCTION OF IMPROVEMENTS WITHIN BLM PROPERTY. HOWEVER, IF BLM RIGHT OF WAY IS NOT GRANTED, A REVISION TO THIS PLAN IS REQUIRED TO REMOVE ALL IMPROVEMENTS WITHIN BLM PROPERTY.

LEGEND

---	BOUNDARY LINE
---	ROADWAY CENTERLINE
---	RIGHT-OF-WAY
---	PROPERTY LINE
---	CURB AND GUTTER
---	EXISTING CURB AND GUTTER
---	FLOWLINE
---	EDGE OF PAVEMENT (EP)
---	SAWOUT LINE PER CCAUSD 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 WALL

SEE SHEET 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 SAWOUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED 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.

SOILS REPORT BY

ANGLE ENGINEERING
PROJECT NO. 26183-1, DATED 11/22/13
EARTHWORK QUANTITIES (RAW):
CUT=12,483 CU YDS/FILL=12,629 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.

FLOOD CERTIFICATION

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY D54683A ON FILE AT CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.

[Signature]
TODD J. STEADHAM, P.E. 15292

BASIS OF BEARING

SOUTH 002°35'4" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 50 EAST, N.M.S., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 117, PAGE 43 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NUMBER: 6L9012NNW
BENCHMARK PLATE IN TOP OF CURB ON THE SOUTH SIDE OF IRON MOUNTAIN ROAD, 35' ± SOUTHWEST OF A OF LEON DRIVE AND IRON MOUNTAIN ROAD.
ELEVATION: 2378.77 ± SURVEY FEET (NAVD83)
PER CITY OF LAS VEGAS BENCHMARKS, 2008 ADJUSTMENT (UPDATED MAY 24, 2010)

Call before you Dig

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

Call before you do UnderGround

CLARK COUNTY TRAFFIC OPERATIONS
1-702-432-5300
LAS VEGAS AREA
COMPUTERIZED TRAFFIC SYSTEM

Call before you dig

Avoid hitting overhead power lines. It's costly.
Call 1-702-227-2929

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #214, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5309

GRANITE FALLS 2

GRADING PLAN

NO.	DESCRIPTION	DATE	BY
1	DESIGN 21, 2014	11/14/14	APP.
2	DESIGN 21, 2014	11/14/14	APP.
3	DESIGN 21, 2014	11/14/14	APP.
4	DESIGN 21, 2014	11/14/14	APP.
5	DESIGN 21, 2014	11/14/14	APP.
6	DESIGN 21, 2014	11/14/14	APP.
7	DESIGN 21, 2014	11/14/14	APP.
8	DESIGN 21, 2014	11/14/14	APP.
9	DESIGN 21, 2014	11/14/14	APP.
10	DESIGN 21, 2014	11/14/14	APP.
11	DESIGN 21, 2014	11/14/14	APP.
12	DESIGN 21, 2014	11/14/14	APP.
13	DESIGN 21, 2014	11/14/14	APP.
14	DESIGN 21, 2014	11/14/14	APP.
15	DESIGN 21, 2014	11/14/14	APP.
16	DESIGN 21, 2014	11/14/14	APP.
17	DESIGN 21, 2014	11/14/14	APP.
18	DESIGN 21, 2014	11/14/14	APP.
19	DESIGN 21, 2014	11/14/14	APP.
20	DESIGN 21, 2014	11/14/14	APP.
21	DESIGN 21, 2014	11/14/14	APP.
22	DESIGN 21, 2014	11/14/14	APP.
23	DESIGN 21, 2014	11/14/14	APP.

DATE: 9/17/14
DRAFTER: CZ
DESIGNER: CZ
CHECKED: TJS
PROJECT NO. RAH1322-001

PROFESSIONAL ENGINEER STATE OF NEVADA
TODD J. STEADHAM
Exp. 04/30/2018
CIVIL
No. 15292

G-1
SHEET 3 OF 25
H055127
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