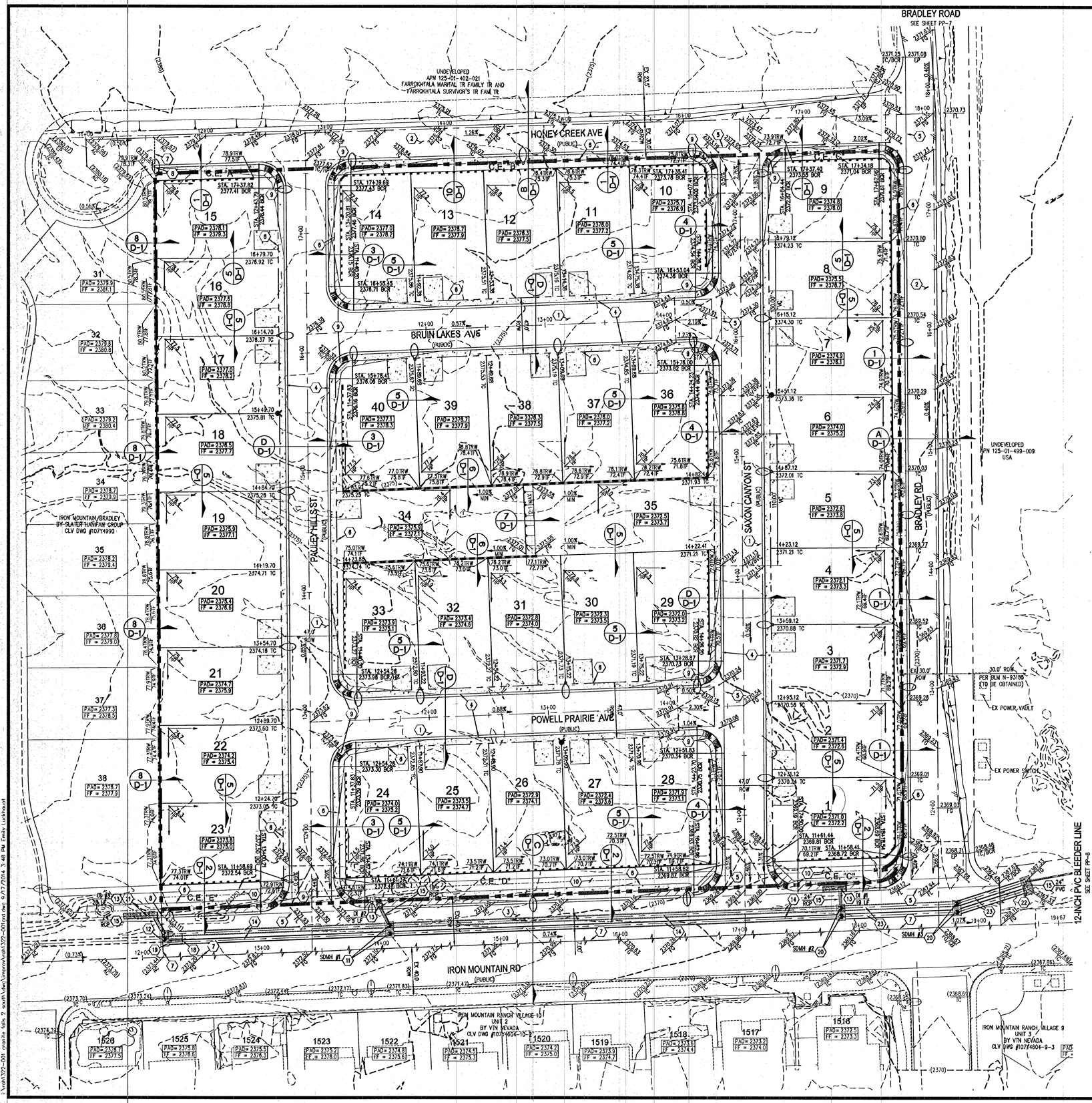
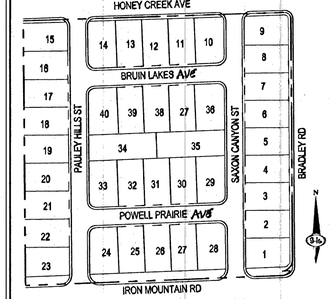


GENERAL NOTES

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/REPLEVING 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

N

0 40' 80'
SCALE: 1"=40 FEET

CONSTRUCTION NOTES

1. CONSTRUCT 2.5" AC PAVEMENT WITH 8" TYPE II AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
2. CONSTRUCT 3.5" AC PAVEMENT WITH 7" TYPE II AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
3. CONSTRUCT 4.5" AC PAVEMENT WITH 12" TYPE II AGGREGATE BASE OVER NATIVE MATERIAL PER SOILS REPORT.
4. CONSTRUCT "L" TYPE CURB AND GUTTER PER CCAUSD NO. 218
5. CONSTRUCT 8' 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 SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD NO. 234, CASE 1
10. CONSTRUCT 8' WIDE 3" CRUSHED FINES EQUESTRIAN TRAIL PER CLV TRAIL "IMPROVEMENT GUIDELINE DWG. T-107"
11. INSTALL 60" TYPE II STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 405
12. FIELD VERIFY STUB AND CONNECT TO EXISTING STORM DRAIN STUB
13. INSTALL TYPE C DROP INLET PER CCAUSD NO. 413 & 421. SEE PROFILE, SHEET PP-10.
14. INSTALL 36" RCP CLASS III SD (PUBLIC)
15. INSTALL SD LATERALS (PUBLIC), SEE SHEET PP-10
16. INSTALL 12" PVC SD BLEEDER LINE (PUBLIC)
17. INSTALL STORM DRAIN CLEAN-OUT PER DETAIL 9, SHEET D-1
18. REMOVE EX 48" CLASS III RCP SD
19. JUNCTION STRUCTURE BY OTHERS
20. INSTALL 60" TYPE II STORM DRAIN MANHOLE PER CCAUSD NO. 401 & 405 WITH BOLTED GRATE MANHOLE LID
21. REMOVE EXISTING DROP INLET
22. INSTALL 48"X48" ENSEN PRECAST DROP INLET WITH OPTIONAL FRAME CAST IN EXTENSION PER DETAIL 11 AND 12, SHEET D-1
23. INSTALL 29"X45" CLASS III HERCP 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)
- SAWCUT LINE PER CCAUSD NO. 503
- 00.00 — PROPOSED ELEVATION
- (00.00) TC — EXISTING ELEVATION
- [00.00] TC — FUTURE ELEVATION
- (2800) — 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-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.

SOILS REPORT BY ANGLE ENGINEERING
PROJECT NO. 26163-1, 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 DS4663A ON FILE AT CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.

TODD J. STEADHAM, P.E. 15292 — DATE 9/17/14

BASIS OF BEARING

SOUTH 00°23'54" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., 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: BLV9012NNW8
RIVET AND PLATE IN TOP OF CURB ON THE SOUTH SIDE OF IRON MOUNTAIN ROAD, 35' ± SOUTHEAST OF PI OF LEON DRIVE AND IRON MOUNTAIN ROAD.

ELEVATION: 2378.778.21 US SURVEY FEET (NAVD88)
725.053 METERS

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

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.
Call before you do UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-432-5300
LAS VEGAS AREA
COMPUTERIZED TRAFFIC SYSTEM

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

H#55127

107Y5005

SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NO.	DESCRIPTION	DATE	BY	APP DATE	APP.

LAS VEGAS, NEVADA

RICHMOND AMERICAN HOMES

GRANITE FALLS 2
GRADING PLAN

S1, T19S, R60E

DATE: 9/17/14
DRAFTER: CZ
DESIGNER: CZ
CHECKED: TJS

PROJECT NO.
RAH1322-001

PROFESSIONAL ENGINEER STATE OF NEVADA
TODD J. STEADHAM
Exp. 06/30/2016
CIVIL
No. 15292
9/17/14

G-1
SHEET 3 OF 25

I:\rah\1322-001 granite falls 2 south\dwg\mpmrah\rah1322-001grd.dwg 9/17/2014 3:48 PM Emily Lockhart