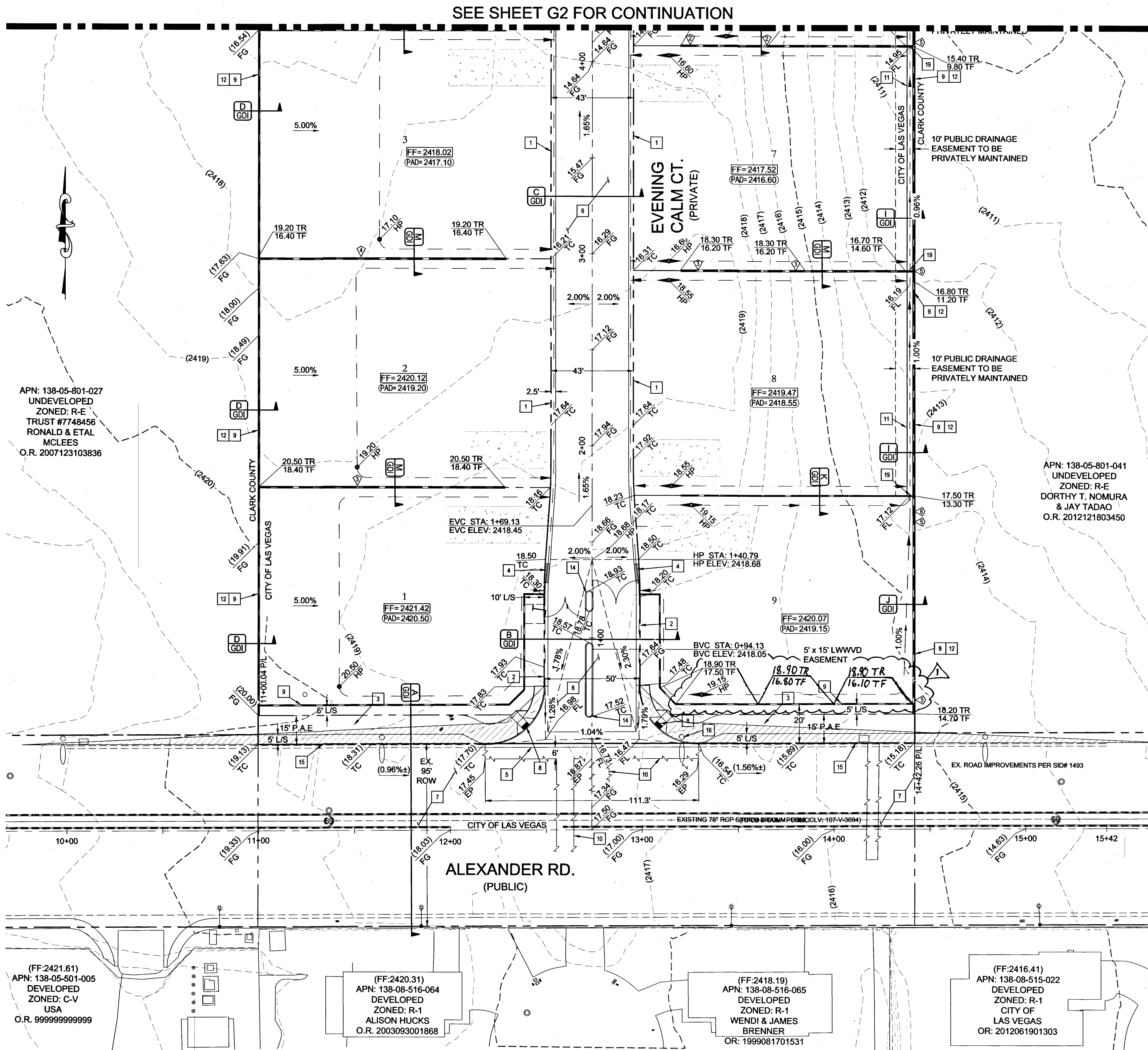
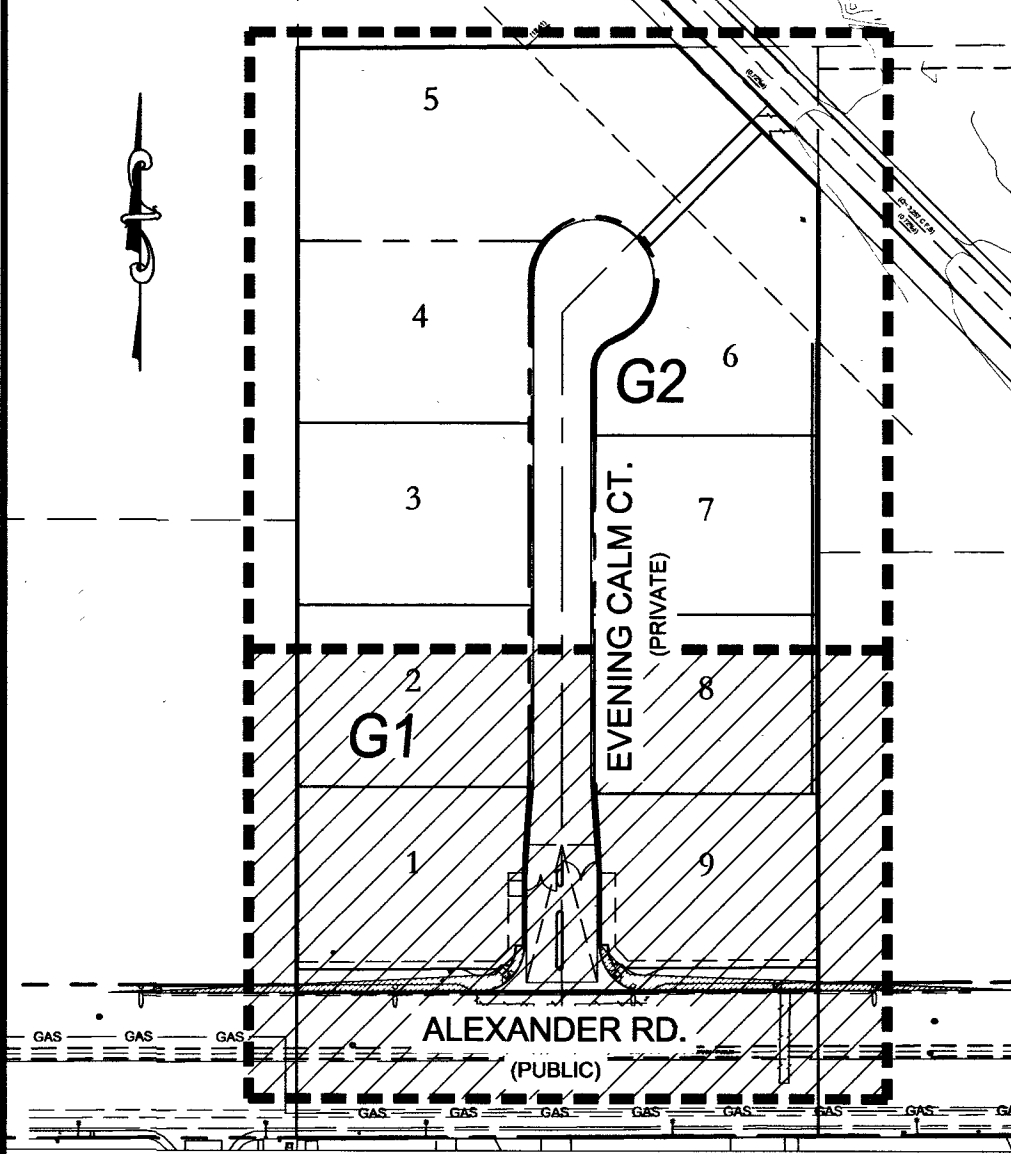




KEY MAP



RETAINING WALL QUANTITIES (8" HIGH CMU)

1	COURSE (1.4 FT)	200 LF
2	COURSE (2.1 FT)	489 LF
3	COURSE (2.8 FT)	234 LF
4	COURSE (3.5 FT)	132 LF

CONSTRUCTION NOTES

1. INSTALL 30" ROLL CURB (USD #217.51)
2. INSTALL 24" L-TYPE CURB & GUTTER (USD #216)
3. 10' DETACHED SIDEWALK (USD #234)
4. 10' CURB TRANSITION FROM ROLL TO L-TYPE (SEE DETAIL "P" ON GD1)
5. 8.0" CROSS GUTTER (USD #228)
6. 2" AC PAVEMENT OVER 6" TYPE II (PER GEOTECHNICAL REPORT)
7. EXISTING AC PAVEMENT OVER TYPE II
8. SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235) A-B-E - CASE 1
9. DECORATIVE BLOCK WALL (SEE DETAIL "N" ON GD1)
10. SAWCUT & REMOVE 6" OF EX. ASPHALT & EX L-TYPE C&G PER CCAUSD #216 & 234
11. 4" FLUME (SEE DETAIL "O" ON GD1)
12. SOLID GROUT 3 COURSES ABOVE FG MIN.
13. 10" WROUGHT IRON GATE PER DETAIL "G" ON SHEET GD1
14. INSTALL MEDIAN ISLAND (USD #218)
15. EXISTING 24" L-TYPE CURB & GUTTER
16. RELOCATE EXISTING ST. LIGHT
17. INSTALL 24"x24" JENSEN PRECAST DROP INLET (CSDCCA # 421) (SEE DETAIL "P" ON GD1) & (SEE DETAIL "O" ON GD1)
18. INSTALL JENSEN PRECAST DROP INLET MODEL #J243648 PER USDOCA STD DWG #421
19. INSTALL 40"x16" BLOCK WALL OPENING (SEE DETAIL "T" ON GD1)
20. INSTALL 5/8" RIP RAP PAD
21. RESTORE FENCING & ACCESS ROAD TO MATCH EX. CONDITIONS SEE DETAIL "U" ON GD1

GRADING NOTES

ADD 2400 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED BY THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT AND FOUNDATION PLANS. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFF-SITE OWNER AND GIVEN TO CLARK COUNTY.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

ALL PRIVATE STREET ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT:	4,875 CY CUT 6,104 CY FILL 1,247 CY FILL (NET)
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THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GRADING CERTIFICATION

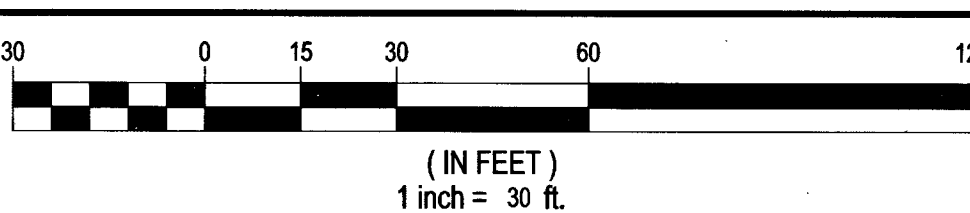
I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS4714, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. HANSEN, P.E. DATE: 4/26/16

QUANTITIES

SEE SHEET C2 FOR ALL QUANTITIES

SCALE



LEGAL DESCRIPTION

PORTION OF THE EAST HALF (E 1/2) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA.

BENCHMARK

BM # 0LV00555
CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN TOP OF CURB, NORTHWEST CORNER OF ALEXANDER RD. AND DURANGO DR. NEAR 1/2 DELTA.
ELEVATION = 732.406M/2402.90FT (NAVD 88 DATUM)

BASIS OF BEARINGS

NORTH 00-09-04 WEST,
BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 111, PAGE 2 OF PARCEL MAPS.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C2135F, MAP REVISED NOVEMBER 16, 2011.

GEOTECHNICAL

GEOTEK RESIDENTIAL LLC
6835 SOUTH ESCONDIDO ST. STE. B
LAS VEGAS, NEVADA 89119
702-897-1424
REPORT NO: 11363-LVR6
DATE: AUG 6, 2013

Avoid overhead power line contact. It's costly.

Call before you Overhead
1-702-227-2929

FAST
Call before you Underground
1-702-432-5300

Call before you Dig
Avoid cutting underground utility lines. It's costly.

811
OR
1-800-227-2600

THM ENTERPRISES
9205 W. RUSSELL RD. STE. 235
LAS VEGAS, NV 89148
(702) 928-3131 FAX: (702) 362-5233

ALEXANDER & DURANGO
A RESIDENTIAL SUBDIVISION

GRADING PLAN - SOUTH

REVISIONS

NO.	DESCRIPTION	DATE
1	ADD RET. WALL & SWG TO PLAN SET	4/26/16

ROBERT D. HANSEN
Exp. 6-30-17
CIVIL
No. 21521
ENGINEER'S SEAL

DATE: 4/26/16
SCALE: 1"=30'
JOB NO: THM-13-002
DESIGNED BY: JFD
CHECKED BY: RH
SHEET NAME: G1
SHEET: 03 OF 10
107Y5038
CLV 57982