



PROFESSIONAL ENGINEER  
STANLEY FONG  
Exp: 6-30-17  
CIVIL  
No. 22616  
STATE OF NEVADA

10-6-16

ONLY

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| KEY MAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| <p>ALEXANDER RD.<br/>(PUBLIC)</p> <p>EVENING CALM CT.<br/>(PRIVATE)</p> <p>G1 G2</p> <p>1 2 3 4 5 6 7 8 9</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
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| RETAINING WALL QUANTITIES ( 8" HIGH CMU )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <p>- COURSE (1.4 FT) ----- 200 LF<br/>- COURSE (2.1 FT) ----- 489 LF<br/>- COURSE (2.8 FT) ----- 234 LF<br/>- COURSE (3.5 FT) ----- 132 LF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| CONSTRUCTION NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <p>1 - INSTALL 30" ROLL CURB (USD #217 S1)<br/>2 - INSTALL 24" L-TYPE CURB &amp; GUTTER (USD #216)<br/>3 - 10.0' DETACHED SIDEWALK (USD #234)<br/>4 - 10' CURB TRANSITION FROM ROLL TO L-TYPE (SEE DETAIL "P" ON GD1)<br/>5 - 8.0' CROSS GUTTER (USD #228)<br/>6 - 2" AC PAVEMENT OVER 6" TYPE II (PER GEOTECHNICAL REPORT)<br/>7 - EXISTING AC PAVEMENT OVER TYPE II<br/>8 - SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT (USD #235) A=B=8" - CASE I<br/>9 - DECORATIVE BLOCK WALK (SEE DETAIL "Y" ON GD1)<br/>10 - SAWCUT &amp; REMOVE 6" OF EX. ASPHALT &amp; EX L-TYPE C&amp;G PER CCASUD #216 &amp; 234<br/>11 - 4" FLUME (SEE DETAIL "O" ON GD1)<br/>12 - SOLID GROUT 3 COURSES ABOVE FG MIN.<br/>13 - 10" WROUGHT IRON GATE PER DETAIL "G" ON SHEET GD1<br/>14 - INSTALL MEDIAN ISLAND (USD #218)<br/>15 - EXISTING 24" L-TYPE CURB &amp; GUTTER<br/>16 - RELOCATE EXISTING ST. LIGHT<br/>17 - INSTALL 24"x24" JENSEN PRECAST DROP INLET (CSDCCA # 421) (SEE DETAIL "P" ON GD1) &amp; (SEE DETAIL "O" ON GD1)<br/>18 - INSTALL JENSEN PRECAST DROP INLET MODEL NO.DX3648 PER USDOCA STD DWG #21<br/>19 - INSTALL 48"x16" BLOCK WALL OPENING (SEE DETAIL "T" ON GD1)<br/>20 - INSTALL 5"x5" RIP RAP PAD<br/>21 - RESTORE FENCING &amp; ACCESS ROAD TO MATCH EX. CONDITIONS SEE DETAIL "U" ON GD1</p> |  |
| DROP INLET NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| ALL DROP INLETS ARE TO BE CONSTRUCTED PER NEW USDOCA DWG #421                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| GRADING NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <p>ADD 2400 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.</p> <p>THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM 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 &amp; GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.</p> <p>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 OFFSITE OWNER AND GIVEN TO CLARK COUNTY.</p> <p>CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.</p> <p>ALL PRIVATE STREET ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA.</p>                                                                                                                                                                                                                                                                                                                                                        |  |
| EARTHWORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <p>TOTAL FOR OVERALL CUTTING: 4,875 CY CUT<br/>6,104 CY FILL<br/>1,247 CY FILL (NET)</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| GRADING CERTIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p>I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, DS4714, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.</p> <p>ROBERT D. HANSEN, P.E.</p> <p>DATE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| THM ENTERPRISES<br>9205 W. RUSSELL RD. STE. Z35<br>LAS VEGAS, NV 89146<br>(702) 925-1311 FAX: —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| ALEXANDER & DURANGO<br>A RESIDENTIAL SUBDIVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| GRADING PLAN - NORTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| ENGINEER'S SEAL<br>ROBERT D. HANSEN<br>Exp. 6-30-17<br>CIVIL<br>No. 21527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| DATE: 10/22/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| SCALE: 1"=30'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| JOB NO: THM-13-002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| DESIGNED BY: JFD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| CHECKED BY: RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| SHEET NAME: G2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| SHEET: 04 OF 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 10745038                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| CLV 57982                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |