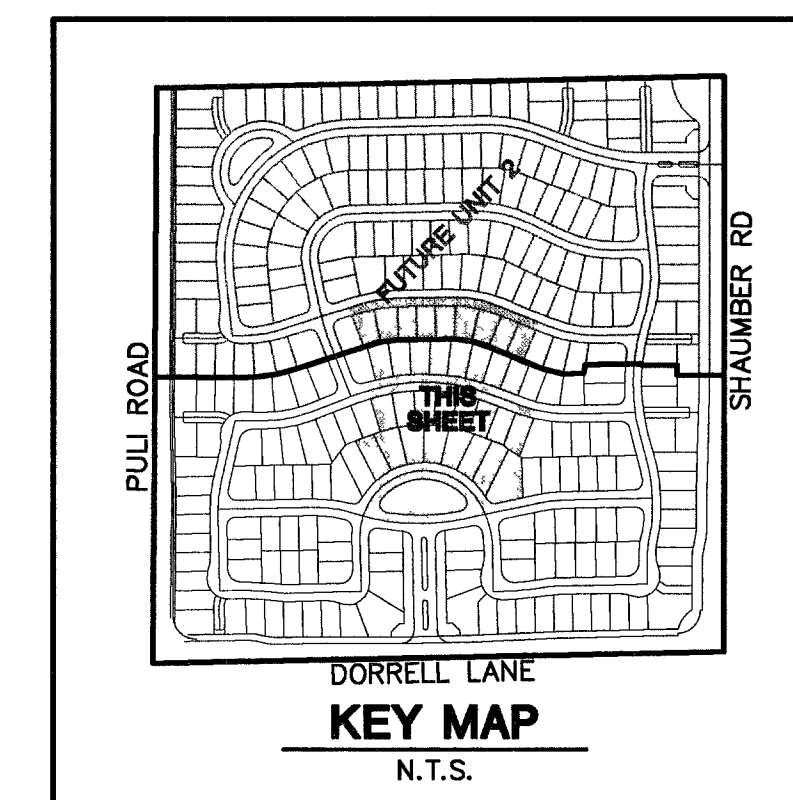
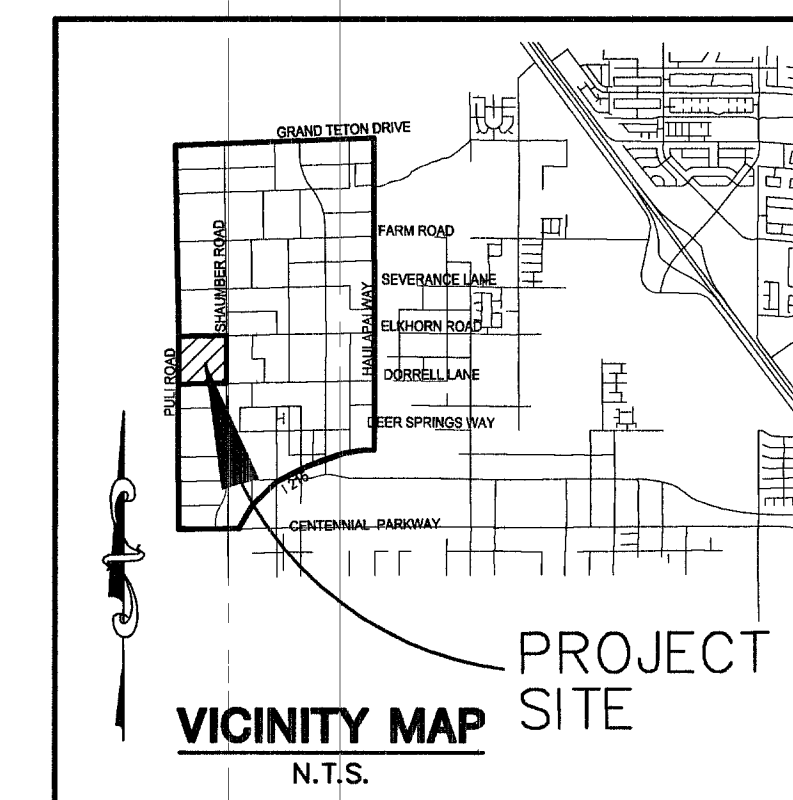
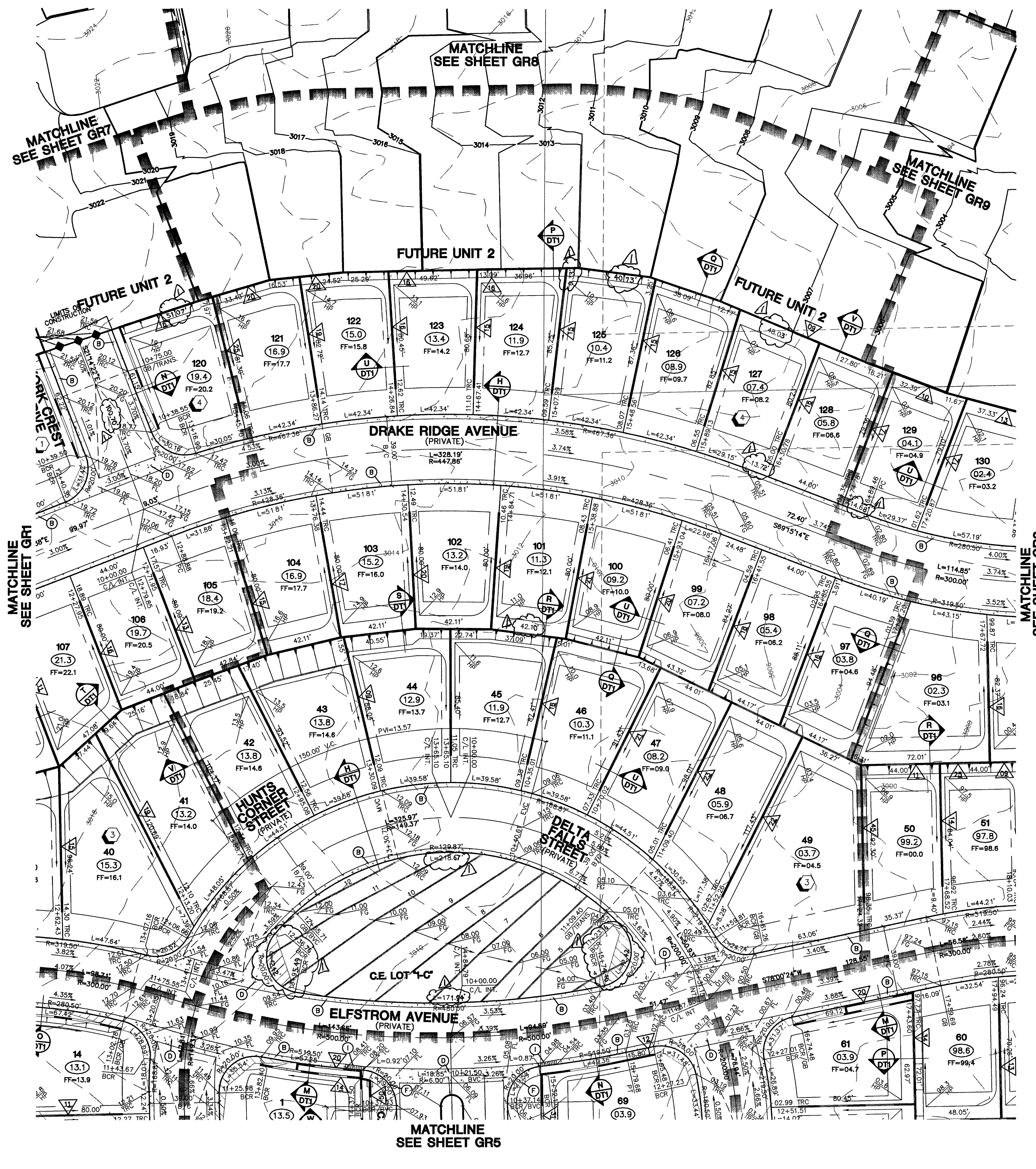




# PROJECT BENCHMARK

DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88)

CITY OF LAS VEGAS BENCHMARK: 8LV99-13SE5  
NAV88 ELEVATION: 869.60 METERS (2853.03 FEET)

RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN

NOTE: WHEN THE SURVEYING FOR THIS PROJECT BEGAN, THE ABOVE REFERENCE BENCHMARK 8LV99-13SE5 WAS NOT PUBLISHED. THE BASIS FOR THE DATUM FOR THIS PROJECT IS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94, CLARK COUNTY, NEVADA, WHICH AT THE TIME OF THE ORIGINAL SURVEY (PRIOR TO THE CURRENT 2003 COUNTY BENCHMARK PUBLISHING) HAD AN ELEVATION OF 2584.61 FEET. TO CONVERT THE CURRENT CITY OF LAS VEGAS BENCHMARK TO THE DATUM OF THE ORIGINAL PROJECT DATUM, 0.34 FEET NEEDS TO BE ADDED TO THE ELEVATION OF 2853.03 FEET.

**NOTE:**  
ALL DRAINAGE EASEMENTS MUST BE COMMON LOTS & PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

**NOTES:**

1. ALL PRIVATE STREETS AND PRIVATE DRIVES ARE P.U.E., CLV PUBLIC SEWER EASEMENTS, & PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.
2. SEE SHEET DT1 FOR SECTIONS AND DETAILS.

| <b>ENGINEER'S ESTIMATE<br/>OF FLOOD CONTROL<br/>QUANTITIES</b> |               |
|----------------------------------------------------------------|---------------|
| 1 COURSE SOLID<br>GROUTED STEM WALL                            | 388 L.F.      |
| 2 COURSE SOLID<br>GROUTED FLOOD WALL                           | 693 L.F.      |
| 3 COURSE SOLID<br>GROUTED FLOOD WALL                           | 1,160 L.F.    |
| DRAINAGE EASEMENT                                              | 1,674 SQ. FT. |
| 42" RCP                                                        | 74.41 L.F.    |
| 22.5' D.I.                                                     | 1 EA.         |

| <b>HC RAMP DATA</b> |     |     |      |
|---------------------|-----|-----|------|
| NO.                 | "A" | "B" | CASE |
| 1                   | 8'  | 8'  |      |

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

## **CONSTRUCTION NOTES**

- (A) CONSTRUCT 24" "L" TYPE CURB & GUTTER PER STD. DWG. NO. 216
- (B) CONSTRUCT 30" "ROLL" TYPE CURB & GUTTER PER STD. DWG. NO. 217A
- (C) CONSTRUCT "A" TYPE ISLAND CURB PER STD. DWG. NO. 219
- (D) CONSTRUCT CONCRETE CROSS GUTTER PER STD. DWG. NO. 228
- (E) CONSTRUCT 5' CONCRETE SIDEWALK PER STD. DWG. NO. 234
- (F) CONSTRUCT WHEEL CHAIR RAMP PER STD. DWG. NO. 235 CASE 1
- (G) CONSTRUCT 2' WIDE UNDER SIDEWALK DRAIN PER STD. DWG. NO. 238
- (H) CONSTRUCT DEPRESSED CURB SECTION PER DETAIL ON SHEET D7
- (I) CONSTRUCT 10' "L" TO "ROLL" CURB TRANSITION PER DETAIL ON SHEET D7

### LEGEND

- |  |                          |  |                                                            |  |                                        |
|--|--------------------------|--|------------------------------------------------------------|--|----------------------------------------|
|  | EX. CONTOUR(5' INTERVAL) |  | SCARP AREA                                                 |  | CENTER LINE                            |
|  | EX. CONTOUR(1' INTERVAL) |  | LOT NUMBER                                                 |  | RETAINING WALL                         |
|  | PROPOSED CONTOUR         |  | BLOCK NUMBER                                               |  | CONC. BLOCK WALL                       |
|  | PROPOSED PAD GRADE       |  | RETAINING HEIGHT (FEET)<br>AS MEASURED FROM<br>ROUGH GRADE |  | EXIST. CONC. BLOCK WALL                |
|  | FUT./EXIST. PAD GRADE    |  | SIGHT VISIBILITY ZONES                                     |  | EXIST. DIRT ROAD                       |
|  | SLOPE AND FLOW DIRECTION |  | PROJECT BOUNDARY LINE                                      |  | EXIST. ARC                             |
|  | EDGE OF EXIST. A.C.      |  | SETBACK LINE                                               |  | CONSTRUCTION PHASE<br>OR UNIT BOUNDARY |
|  | SAW CUT & MATCH A.C.     |  | R/W OR P/L                                                 |  | MATCHLINE                              |
|  | SIDEWALK RAMP            |  | EXIST. IMPROVEMENTS                                        |  |                                        |
|  | PAD SWALE SLOPES         |  | FUTURE IMPROVEMENTS                                        |  |                                        |

### ABBREVIATIONS

- |       |                          |      |                                 |        |                      |
|-------|--------------------------|------|---------------------------------|--------|----------------------|
| FG    | FINISH GRADE             | BCR  | BEGIN CURB RETURN               | TOP    | TOP OF CHANNEL/SCARP |
| FL    | FLOW LINE                | TBF  | TOP OF FOOTING                  | TOE    | TOE OF CHANNEL/SCARP |
| TL    | TOP OF GUTTER            | GB   | GRADE BREAK                     | TOB    | TOP OF BOX           |
| TRC   | TOP OF ROLL CURB         | PC   | POINT OF CURVATURE              | PP     | POWER POLE           |
| EAC   | EDGE OF ASPHALT PAVEMENT | PT   | POINT OF TANGENCY               | TRANS. | TRANSITION           |
| EXIST | EXISTING (EX.)           | PRC  | POINT OF REVERSE CURVATURE      | RET.   | RETAINMENT           |
| EXIST | EXISTING (EX.)           | PCV  | POINT OF COMPOUND CURVATURE     | I.C.   | INTERSECTION         |
| V.C.  | VERTICAL CURVE           | BVC  | BEGIN VERTICAL CURVE            | DESIGN | DESIGN GRADE         |
| W     | WATER                    | MVC  | MID-POINT OF VERTICAL CURVE     | TSW    | TOP OF SIDEWALK      |
| H.P.  | HIGH POINT               | END  | END OF VERTICAL CURVE           | FF     | FINISH FLOOR         |
| L.P.  | LOW POINT                | PRVC | POINT OF REVERSE VERTICAL CURVE | GF4    | GRADE F4 FLOOR       |
| S.L.  | SEWER LINE               | VI   | VERTICAL POINT OF INTERSECTION  | BFE=   | BASE FLOOD ELEVATION |
| O/C   | OFFSET CROWN             | WPI  | TOP OF WALKER                   | R/W    | RIGHT-OF-WAY         |
| BC    | BACKSLOPE                | TRW  | TOP OF RETAINMENT WALL          |        |                      |

|                                                                                                                                                                                                          |                                                                      |              |                                 |                                                                                                            |            |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------|---------------------------------|------------------------------------------------------------------------------------------------------------|------------|----------|
|  <p>EXPIRES: 06-30-07</p> <p>SHEET<br/><b>GR2</b><br/>13 of 52 SHEETS</p> <p>DRAWING NO.<br/><b>1074 4888-1</b></p> | <p>DRAWN BY: _____</p> <p>BLW/TP _____</p>                           | <p>10/05</p> | <p><b>GRADING PLAN 2</b></p>    | <p><b>KIMBALL HILL</b><br/>8 SUNSET WAY, SUITE 101<br/>HENDERSON, NEVADA 89014<br/>(702) 436-4582</p>      | <p>7</p>   |          |
|                                                                                                                                                                                                          | <p>DESIGNED BY: _____</p> <p>BLW _____</p>                           | <p>10/05</p> |                                 |                                                                                                            |            | <p>6</p> |
|                                                                                                                                                                                                          | <p>CHECKED BY: _____</p> <p>SRG _____</p>                            | <p>10/05</p> |                                 |                                                                                                            |            | <p>5</p> |
|                                                                                                                                                                                                          | <p>PROJECT NO: _____</p> <p>SCALE: 1"=30' HORIZ.<br/>5/400 VERT.</p> | <p>4</p>     |                                 |                                                                                                            |            |          |
|                                                                                                                                                                                                          | <p>10/26/03</p>                                                      | <p>3</p>     |                                 |                                                                                                            |            |          |
| <p><b>WINDIMERE ®</b><br/><b>PROVIDENCE / CLIFFS EDGE</b><br/><b>POD 211 - UNIT 1</b></p>                                                                                                                |                                                                      |              | <p><b>CITY OF LAS VEGAS</b></p> | <p>2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148<br/>PH: (702) 673-7550 FAX (702) 302-2397</p> | <p>2</p>   |          |
| <p>1074 4888-1</p>                                                                                                                                                                                       |                                                                      |              | <p><b>vtm nevada</b></p>        | <p>CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS</p>                                                    | <p>1</p>   |          |
| <p>1074 4888-1</p>                                                                                                                                                                                       |                                                                      |              | <p>DATE</p>                     | <p>BY</p>                                                                                                  | <p>REV</p> |          |