

**SIDEWALK RAMP TABLE**

| NO. | DIM "A" | DIM "B" | CASE |
|-----|---------|---------|------|
| 1   | 8.0'    | 8.0'    | I    |
| 2   | 4.5'    | 9.5'    | I    |

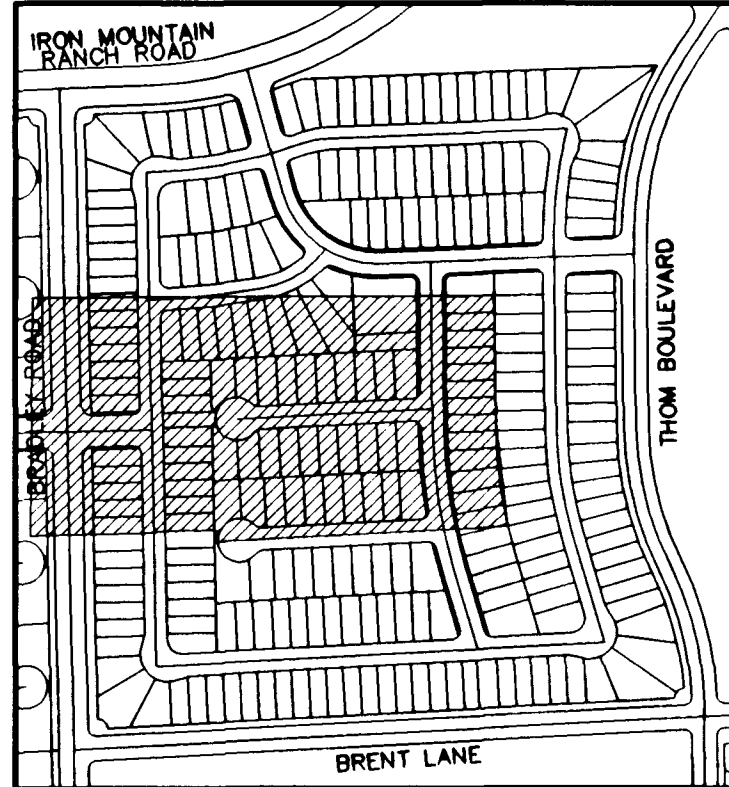
**PRIVATE FLOOD CONTROL IMPROVEMENTS:**

**PRIVATE FLOOD CONTROL IMPROVEMENT**  
3 COURSES SOLID GROUTED STEM WALL  
PERIMETER WALL

**NOTE:**  
ALL DRAINAGE EASEMENTS ARE COMMON LOTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOME OWNERS ASSOCIATION.

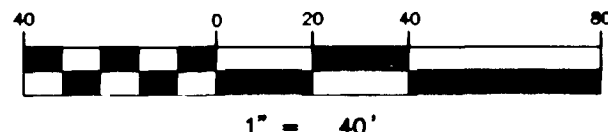
**QUANTITY**

1,372 L.F.  
1,323 L.F.



**KEY MAP**

**GRAPHIC SCALE**



**LEGEND**

|        |                                 |     |                          |
|--------|---------------------------------|-----|--------------------------|
| FG     | FINISH GRADE                    | EX  | EX. CONTOUR(5' INTERVAL) |
| FL     | FLOW LINE                       | EX  | EX. CONTOUR(1' INTERVAL) |
| TC     | TOP OF CURB                     | PC  | PROPOSED CONTOUR         |
| TRC    | TOP OF ROLL CURB                | PA  | PROPOSED PAD GRADE       |
| EAC    | EDGE OF ASPHALT PAVEMENT        | FE  | FUT. EXIST. PAD GRADE    |
| FUT    | FUTURE                          | SL  | SLOPE AND FLOW DIRECTION |
| VS     | VALLEY QUITTER                  | EA  | EDGE OF EXIST. A.C.      |
| NG     | NATURAL GROUND                  | SA  | SAW CUT & MATCH A.C.     |
| H.P.   | HIGH POINT                      | SR  | SIDEWALK RAMP            |
| L.P.   | LOW POINT                       | SC  | SCARP AREA               |
| C/L    | CENTER LINE                     | LN  | LOT NUMBER               |
| O/C    | OFFSET CROWN                    | BN  | BLOCK NUMBER             |
| BC     | BACK OF CURB                    | RE  | RETAINING HEIGHT (FEET)  |
| BCR    | BEHIND CURB RETURN              | VS  | SIGHT VISIBILITY ZONES   |
| TF     | TOP OF FOOTING                  | PL  | PROJECT BOUNDARY LINE    |
| GB     | GRADE BREAK                     | R/W | R/W OR P/L               |
| PC     | POINT OF CURVATURE              | FI  | FUTURE IMPROVEMENTS      |
| PT     | POINT OF TANGENCY               | CL  | CENTER LINE              |
| PRC    | POINT OF REVERSE CURVATURE      | RE  | RETAINING WALL           |
| PCC    | POINT OF COMPOUND CURVATURE     | CC  | CONC. BLOCK WALL         |
| BVC    | BEGIN VERTICAL CURVE            | EX  | EXIST. CONC. BLOCK WALL  |
| MVC    | MID-POINT OF VERTICAL CURVE     | ED  | EXIST. DIRT ROAD         |
| EVC    | END VERTICAL CURVE              | EX  | EXIST. AC                |
| PRVC   | POINT OF REVERSE VERTICAL CURVE | MA  | MATCHLINE                |
| VI     | VERTICAL POINT OF INTERSECTION  |     |                          |
| TPW    | TOP OF PLANTER WALL             |     |                          |
| TRW    | TOP OF RETAINMENT WALL          |     |                          |
| TOP    | TOP OF CHANNEL/SCARP            |     |                          |
| TOE    | TOE OF CHANNEL/SCARP            |     |                          |
| TOT    | TOP OF BOX                      |     |                          |
| PP     | POWER POLE                      |     |                          |
| TRANS. | TRANSITION                      |     |                          |
| RET.   | RETAINMENT                      |     |                          |
| INT.   | INTERSECTION                    |     |                          |
| D.G.   | DESIGN GRADE                    |     |                          |
| TSW    | TOP OF SIDEWALK                 |     |                          |
| FF     | FINISH FLOOR                    |     |                          |
| OFF    | OFF-ROAD FINISH FLOOR           |     |                          |
| BFE    | BASE FLOOD ELEVATION            |     |                          |
| R/W    | RIGHT-OF-WAY                    |     |                          |
| S/W    | SIDEWALK                        |     |                          |

**CITY OF LAS VEGAS GRADING NOTES**

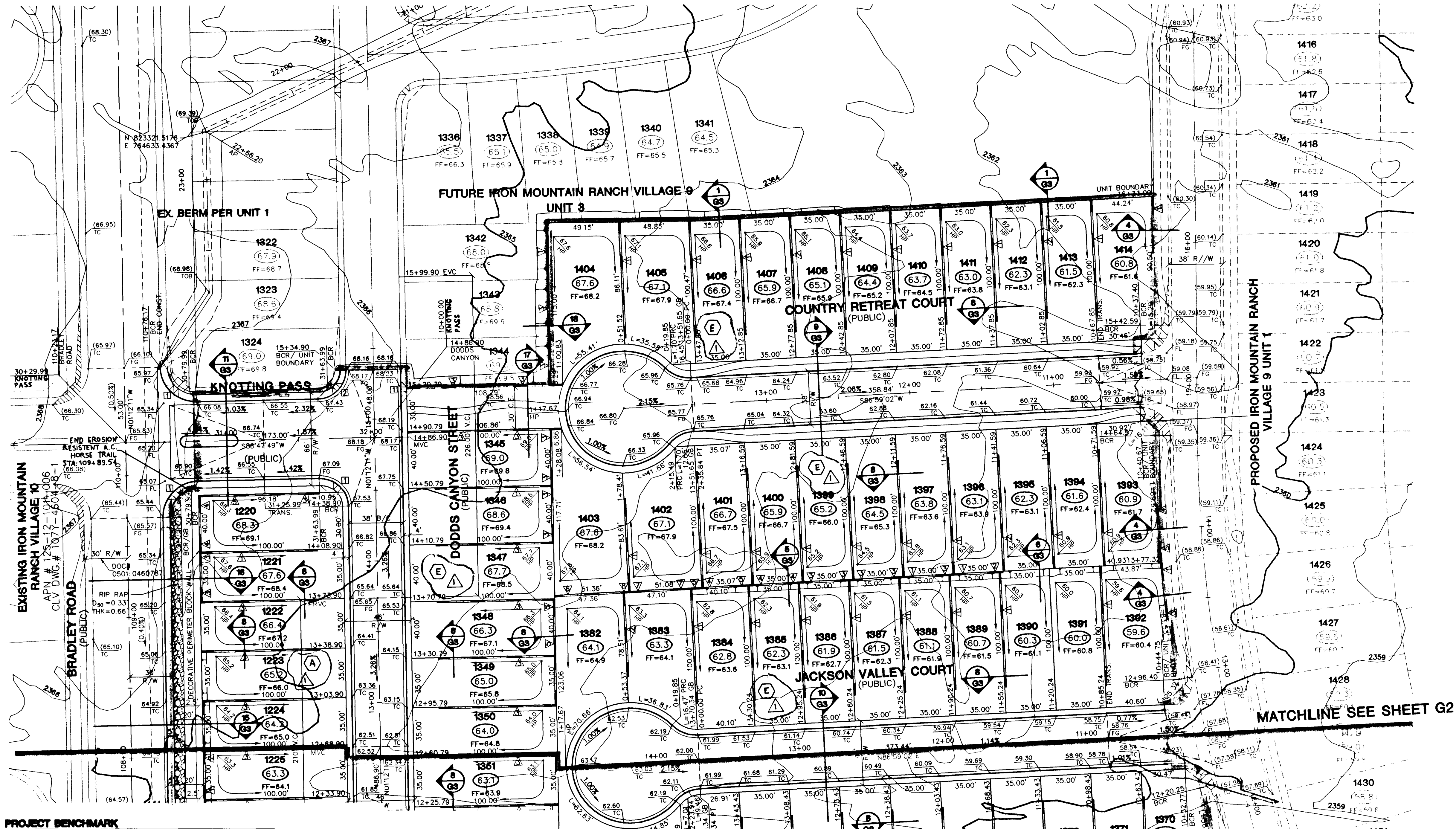
- IN THE EVENT THAT ANY UNFORSEEN CONDITIONS, NOT COVERED BY THESE NOTES, ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

|                           | HORIZONTAL | VERTICAL COMPACTION |
|---------------------------|------------|---------------------|
| A. PAVEMENT AREA SUBGRADE | 0.1"       | +0.01 to 0.1"       |
| B. ENGINEERING FILL       | 0.5"       | +0.1 to 0.1"        |

- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM ALL T.E. PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

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

Ken Nicholson  
PE# 10539  
DATE 4.10.07



**PROJECT BENCHMARK**  
PROJECT DATUM: NAVD88  
(OLD) CITY OF LAS VEGAS BENCHMARK 1LV90-13NES  
NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)  
PROJECT DESIGNED USING OLD BENCHMARK  
(NEW) CITY OF LAS VEGAS BENCHMARK 1LV90-13NES  
NAVD88 ELEVATION: 710.9181 METERS (2332.40 FEET)  
(-0.14 FEET) TO GET NEW PUBLISHED DATUM

ONLY BM 413148, NAVD 88 ELEV=710.953 METERS (2332.52 FEET) 1" DIAMETER CONCRETE MONUMENT 77 FEET SOUTH & 54 FEET WEST OF N.E. CORNER SEC. 13T19R60E 10' EAST OF LARGE POWER POLE.

**BASIS OF BEARINGS**  
THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE (2701), DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 802, 803, 804 AND 805, AS SHOWN ON A RECORD SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

Call before you Overhead  
1-702-593-6111

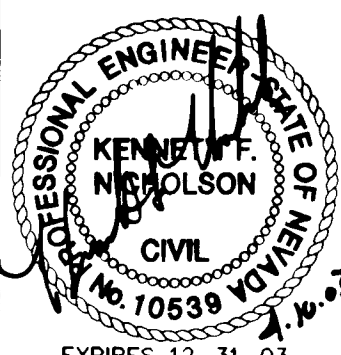
Call before you Dig  
1-800-227-2600

CITY OF LAS VEGAS

KB HOME

GRADING PLAN

DRAWN BY: OCT. 02  
DESIGNED BY: OCT. 02  
CHECKED BY: OCT. 02  
PROJECT NO: 5975-2



SHEET 7 OF 19 SHEETS  
DRAWING NO. 10714604-9-2

13407 VILLAGES UNIT 2 1975002.DWG(2)