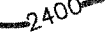
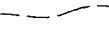
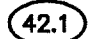
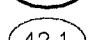
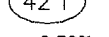
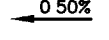
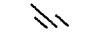
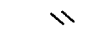
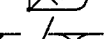
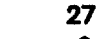
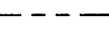
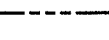
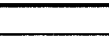
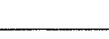
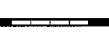
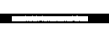
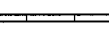
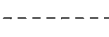
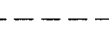


1. ALL EXPOSED METALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. PROVIDE 1/2" (MIN.) CLEARANCE ALL AROUND THE STEEL BEAM, DRY PACK AFTER INSTALLATION.
3. WHEN REQUIRED BY LENGTH OF OPENING, PLATE ANGLE MAYBE DELIVERED IN SECTIONS AND BUTT WELDED IN PLACE.
4. ALL GALVANIZING DAMAGED BY MELTING SHALL RECEIVE TWO COATS OF GALVALLOY OR EQUAL.
5. CONCRETE SHALL BE REINFORCED CLASS DA.
6. SEE GENERAL NOTES FOR STRUCTURES
7. ANGLE ANCHORS SHALL BE EMBEDDED MIDPOINT IN EACH ENDWALL AND EVENLY SPACED. (MAXIMUM SPACING OF 2')



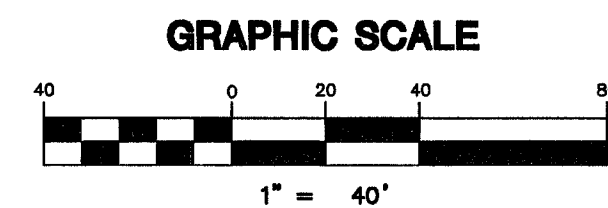
- | | | | |
|--------|---------------------------------|---|---|
| FG | FINISH GRADE |  | EX. CONTOUR(5' INTERVAL) |
| FL | FLOW LINE |  | EX. CONTOUR(1' INTERVAL) |
| TC | TOP OF CURB |  | PROPOSED CONTOUR |
| TRC | TOP OF ROLL CURB |  | PROPOSED PAD GRADE |
| EAC | EDGE OF ASPHALT PAVEMENT |  | FUT./EXIST. PAD GRADE |
| FUT. | EXISTING (EX.) |  | SLOPE AND FLOW DIRECTION |
| EXIST | EXISTING (EX.) |  | EDGE OF EXIST. A.C. |
| VG | VALLEY HIGHER |  | SAD CUT & MATCH A.C. |
| NG | NATURAL GROUND |  | SIDEWALK RAMP |
| H.P. | HIGH POINT |  | SCAD SLOPES |
| L.P. | LOW POINT |  | SCARP AREA |
| C/L | CENTER LINE |  | LOT NUMBER |
| O/C | OFFSET CROWN |  | BLOCK NUMBER |
| BCR | BACK OF CURB |  | RETAINING HEIGHT (FEET) |
| BCR | BEGIN CURB RETURN |  | SIGHT VISIBILITY ZONES |
| TF | TOP OF FOOTING |  | PROJECT BOUNDARY LINE |
| GB | GRADE BREAK |  | SETBACK LINE |
| GB | GRADE BREAK |  | R/W OR P/L |
| PC | POINT OF CURVATURE |  | CENTER LINE |
| PT | POINT OF TANGENCY |  | BACK OF CURB |
| PRC | POINT OF REVERSE CURVATURE |  | LIP OF GUTTER |
| PCC | POINT OF COMPOUND CURVATURE |  | EXIST. IMPROVEMENTS |
| BVC | BEGIN VERTICAL CURVE |  | FUTURE IMPROVEMENTS |
| MVC | MID-POINT OF VERTICAL CURVE |  | RETAINING WALL |
| EVC | END VERTICAL CURVE |  | CONC. BLOCK WALL |
| PRVC | POINT OF REVERSE VERTICAL CURVE |  | EXIST.CONC. BLOCK WALL |
| VERC | VERTICAL POINT OF INTERSECTION |  | EXIST. DIRT ROAD |
| TPW | TOP OF PLANTER WALL |  | EXIST. AC |
| TRW | TOP OF RETAINMENT WALL |  | CONSTRUCTION PHASE LINE OR UNIT BOUNDARY LINE |
| TOP | TOP OF CHANNEL/SCARP |  | MATCHLINE |
| TOE | TOE OF CHANNEL/SCARP |  | |
| TOB | TOP OF BOX |  | |
| PP | POWER POLE |  | |
| TRANS. | TRANSITION | | |
| RET. | RETAINMENT | | |
| INT. | INTERSECTION | | |
| D.G. | DESIGN GRADE | | |
| TSW | TOP OF SIDEWALK | | |
| FF= | FINISH FLOOR | | |
| GFF= | GRADE FINISH FLOOR | | |
| BFF= | BASE FLOOR ELEVATION | | |
| RPC | REINFORCED CONCRETE PIPE | | |
| SD | STORM DRAIN | | |
| DI | DROP INLET | | |
| R/W | RIGHT-OF-WAY | | |
| S/W | SIDEWALK | | |
| BCL | BACK OF CURB LENGTH | | |

GENERAL GRADING NOTES

1. ALL ELEVATIONS SHOWN HEREON WITHIN LANDSCAPED AREAS ARE FINAL FINISH GRADES. ROUGH GRADES SHALL BE 0.30' BELOW FINISH GRADES INDICATED ON PLAN.
2. ALL LOTS ARE TO BE F. H. A. TYPE "A" DRAINAGE UNLESS OTHERWISE NOTED.
3. SEE IMPROVEMENT PLANS FOR STREET SECTIONS AND DETAILS. SEE FINAL MAP FOR EXACT BEARINGS AND DISTANCES.
4. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHOW REPORT OF DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
5. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO THE REQUIREMENTS OF THE GEOTECHNICAL INVESTIGATION PREPARED BY: TERAQON # 64035099
6. DATED 7/22/03
7. ALL WORK PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNER.
8. ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY AND OUTSIDE OF THE PROJECT BOUNDARY THAT IS NOT SHOWN ON THESE PLANS SHALL BE PERFORMED UNDER A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CONTROLLING AGENCY.
9. FINISH FLOOR ELEVATION = PAD ELEVATION +0.80'.
10. ALL STATIONING ON GRADING PLAN IS CENTERLINE STATIONING UNLESS OTHERWISE NOTED.
11. THE PLUS AND MINUS DESIGN CRITERIA CONTAINED WITHIN THESE PLANS ARE BASED UPON THE INFORMATION PRESENTLY KNOWN BY ENGINEER AND INTENDED SOLELY AS A GENERAL GUIDELINE FOR CONSTRUCTION. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH ALL APPLICABLE UNIFORM STANDARDS, SPECIFICATIONS OR DRAWINGS. THE PERSONS OR ENTITY PERFORMING THE CONSTRUCTION SHALL BE SOLELY RESPONSIBLE TO MAKE SURE CONSTRUCTION IS IN CONFORMANCE WITH ALL LOCAL, STATE, AND FEDERAL STATUTES, LAWS, CODES, REGULATIONS, STANDARDS, GUIDELINES AND ORDINANCES AND FURTHER IS IN CONFORMANCE WITH ANY APPLICABLE DESIGN CRITERIA, INCLUDING BUT NOT LIMITED TO SOILS REPORTS, ARCHITECTURAL PLANS AND SPECIFICATIONS, DRAINAGE PLANS OR STUDIES AND ANY OTHER CRITERIA, STANDARDS OR REQUIREMENTS LISTED IN THE PLANS OR GENERAL NOTES. THESE PLANS OR PROVIDED BY ANYONE IN REFERENCE TO THIS PROJECT.

CONTRACTOR NOTE:

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



"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."

DEBORAH KALEIKINI-JOHNSON P.E. NO. 14571 DATE 1-20-07

PERMA-BILT HOMES

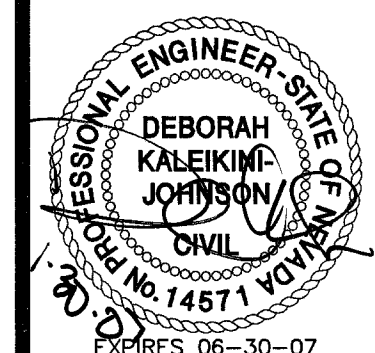
CITY OF LAS VEGAS, NEVADA

LAS VEGAS, NEVADA 89119
(702) 896-9100

PLAN AND PROFILE

ELKHORN / GRAND CANYON
UNIT 4

DRAWN BY:		11-08	
MDM			
DESIGNED BY:			
MDM			
CHECKED BY:			
PROJECT NO:		SCALE: 1"=40'	
5897-4		HORIZ. NONE VERT.	



SHEET
SD1
22A OF 22 SHEETS
DRAWING NO.
10744731-4