

RETAINING WALL CONVERSION TABLE

1	0.67'
2	1.33'
3	2.00'
4	2.67'
5	3.33'
6	4.00'
7	4.67'
8	5.33'

SIDEWALK RAMPS TABLE
PER STD. DWG 235 CASE 1

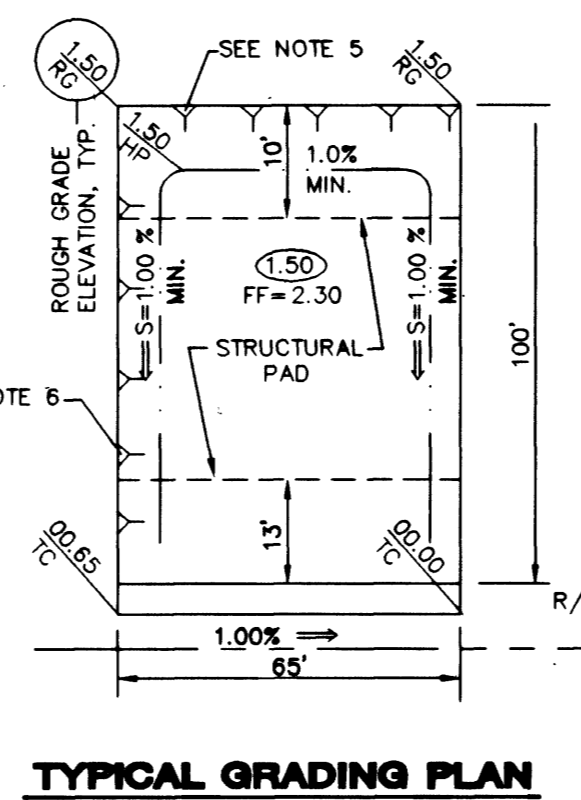
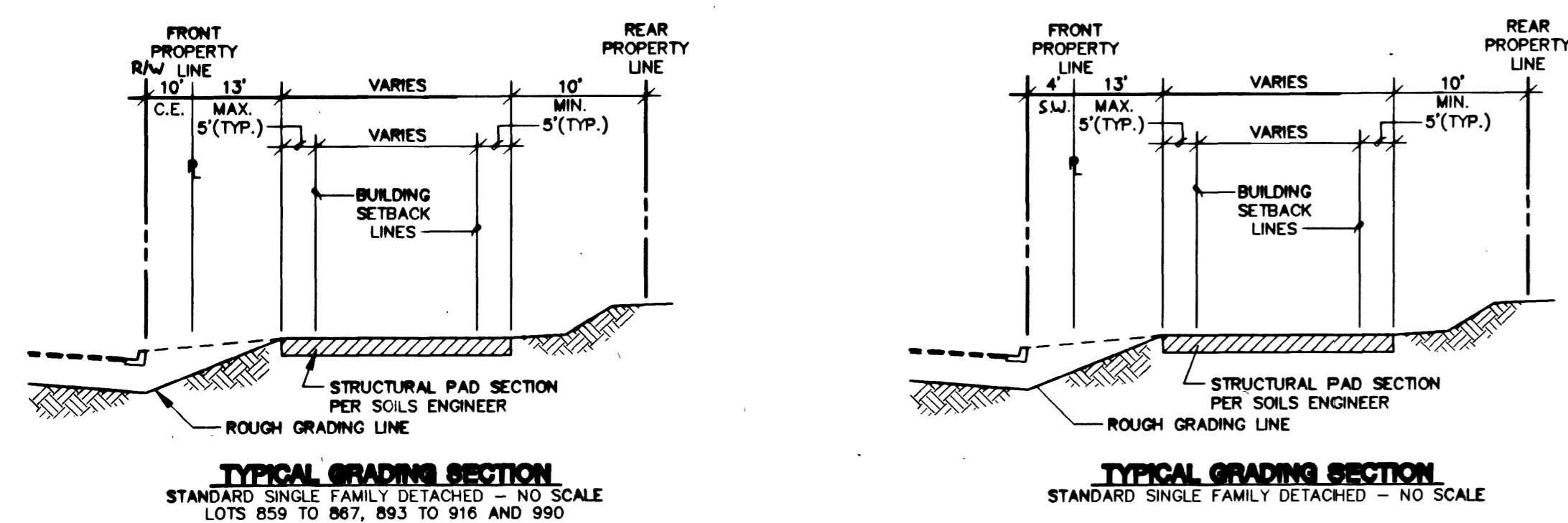
NO.	DIM "A"	DIM "B"	CASE
1	8.0'	8.0'	I
2	9.5'	4.5'	I

- 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"±	+0.0" to -0.1"	See Soils Report
B. ENGINEERING FILL	0.5"±	+0.1" to -0.1"	See Soils Report

 COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
 - 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.

- LEGEND**
- 8 LOT NUMBER
 - B BLOCK NUMBER
 - EX. CONTOUR (5' INTERVAL)
 - EX. CONTOUR (1' INTERVAL)
 - PROPOSED CONTOUR
 - CONCRETE BLOCK WALL
 - RETAINING WALL
 - EXISTING WALL
 - PROPOSED PAD GRADE
 - EX./FUTURE PAD GRADE
 - SCARP AREA
 - SIDEWALK RAMP
 - PAD SLOPES
 - 0.8% DIRECTION & RATE OF SLOPE
 - VG VALLEY GUTTER
 - FG FINISH GRADE
 - FL FLOW LINE
 - TC TOP OF CURB
 - TRC TOP OF ROLL CURB
 - BC BACK OF CURB
 - BCR BEGIN CURB RETURN
 - EX. EXISTING
 - PC POINT OF CURVATURE
 - PRC POINT OF REVERSE CURVATURE
 - PCC POINT OF COMPOUND CURVATURE
 - BVC BEGIN VERTICAL CURVE
 - MVC MID-POINT OF VERTICAL CURVE
 - EVC END VERTICAL CURVE
 - PRVC POINT OF REVERSE VERTICAL CURVE
 - PT POINT OF TANGENCY
 - NG NATURAL GROUND
 - TF TOP OF FOOTING
 - SIGHT VISIBILITY RESTRICTION ZONES



- NOTES:**
- STRUCTURAL PAD SHALL BE 5' BEYOND BLDG. SETBACK SEE TYPICAL GRADING SECTION.
 - REFER TO GENERAL NOTE 1.
 - REAR LOT CORNER GRADES ARE EQUAL TO ADJACENT LOTS UNLESS SHOWN OTHERWISE.
 - MINIMUM SIDEYARD X-SLOPE SHALL BE 2%.
 - MAXIMUM REAR YARD SLOPE IS 2:1 AS SHOWN, EXCEPT THAT WITHIN 15' OF THE HOUSE, THE MAXIMUM SLOPE IS 12:1.
 - MAXIMUM SIDEYARD SLOPE IS 3:1 AS SHOWN EXCEPT THAT WITHIN 5' OF THE HOUSE, THE MAXIMUM SLOPE IS 12:1. MINIMUM 1% DRAINAGE AWAY FROM BUILDING PAD.

Call before you Dig
1-800-227-2800

Call before you OVERHEAD
1-702-593-6111

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 803, 804, AND 805, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

PROJECT BENCHMARK
PROJECT DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 11V90-13NES
NAV88 ELEVATION: 710.9608 METERS (2332.54 FEET)
ONLY BM 413148, NAVD 88 ELEV=710.953 METERS (2332.52 FEET) 1" DIAMETER CONCRETE MONUMENT 77 FEET SOUTH & 34 FEET WEST OF N.E. CORNER SEC. 13T19R60E TO EAST OF LARGE POWER POLE.

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

Ken Nicholson
KEN NICHOLSON PE No. 10534
DATE 2-11-02

KB HOME
750 PILOT ROAD, SUITE F
LAS VEGAS, NV 89119
(702) 614-2000

IRON MOUNTAIN RANCH VILLAGE 7 UNIT 1

GRADING PLAN

DESIGNED BY: [Signature]
CHECKED BY: [Signature]

SEPTEMBER 2001
SEPTEMBER 2001

PROJECT NO: 5820-1
SCALE: 1"=40'
HORIZ. VERT.

PROFESSIONAL ENGINEER
KENNETH NICHOLSON
CIVIL
No. 10534

SHEET 7 OF 26 SHEETS
DRAWING NO. 107Y-1(604-7-1)

1 8-22-02 MFG. REVISED 90' EASTMENT - TRAIL & BOLLARDS RM. REVISION
DATE BY

nevada CONSULTING ENGINEERS & PLANNERS • LAND SURVEYORS