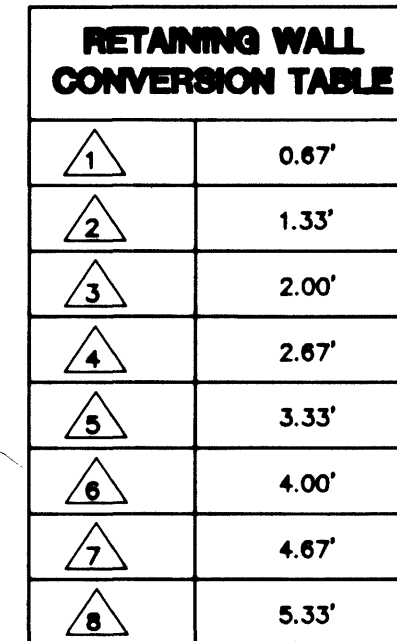
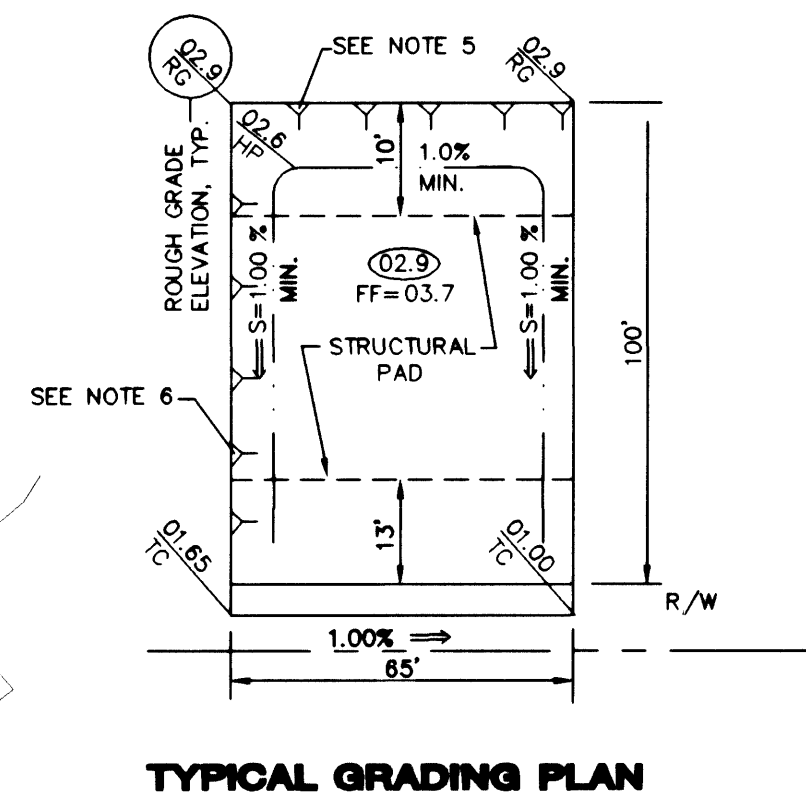




PROJECT BENCHMARK
PROJECT DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV90-13NES
NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)
CNLV BM 413148 NAVD 88 ELEV 710.953
77 FEET (2390.15) DIAMETER CONCRETE MONUMENT
77 FEET SOUTH & 54 FEET WEST OF N.E. CORNER
SEC. 13T19R60E TO EAST OF LARGE POWER POLE.

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH-
AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF
1983 (NCS). THE ZONE 1701 DETERMINED BY CLARK
COUNTY'S GRID POINTS 804 AND 805,
AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE
CLARK COUNTY PLATING RECORDER'S OFFICE, IN BOOK 88
OF SURVEYS AT PAGE 33.



LEGEND		
	LOT NUMBER	VG VALLEY GUTTER
	BLOCK NUMBER	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
	CONCRETE BLOCK WALL	BC BACK OF CURB
	RETAINING WALL	BOR BEGIN CURB RETURN
	EXISTING WALL	EX EXISTING
	PROPOSED PAD GRADE	GB GRADE BREAK
	EX. FUTURE PAD GRADE	PC POINT OF CURVATURE
	SCARP AREA	PRC POINT OF REVERSE CURVATURE
	SIDEWALK RAMP	PCC POINT OF COMPOUND CURVATURE
	PAD SLOPES	BVC BEGIN VERTICAL CURVE
	DIRECTION & RATE OF SLOPE	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

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT WILL 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.
3. CONTRACTOR SHALL TAKE NECESSARY MEASURES 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.
4. THE CONTRACTOR IS TO MAINTAIN A WORK/BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE PROPERTY OF THE CONTRACTOR.
5. 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. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE NOTES SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

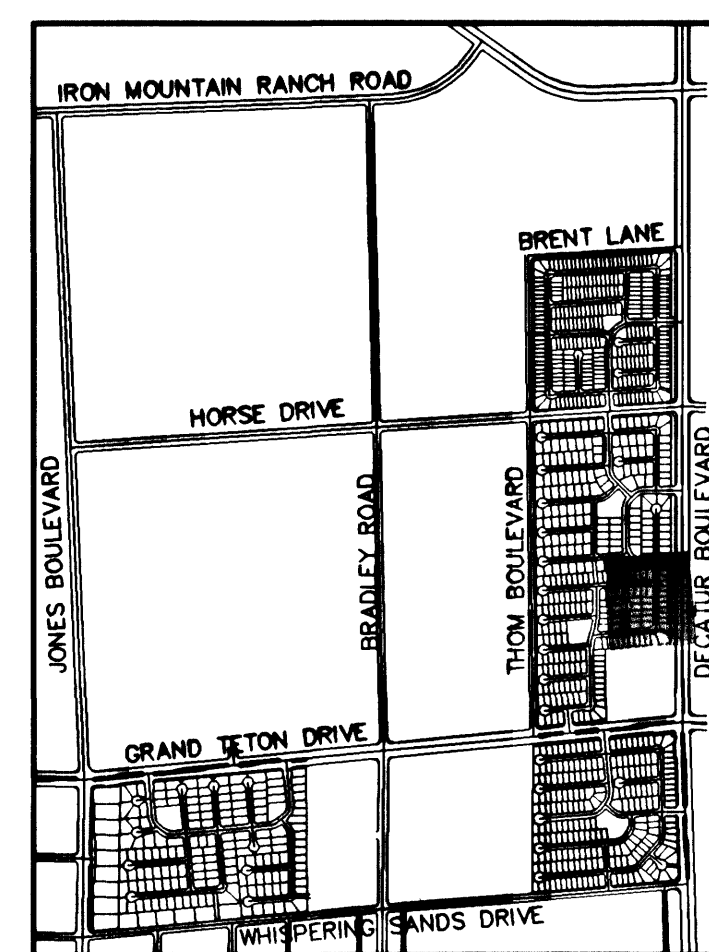
	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'±	+0.0'±0.1"	See Solls Report
B. ENGINEERED FILL	0.5'±	+0.1'±0.1"	See Solls Report

CONTRACTOR TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. 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 TO CONSTRUCT.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS AND OIL LOOK OR CONSTRUCTION DEBRIS MUST BE PROMPTLY REMOVED. ONLY THE 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.
10. 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 ANY CITY ENGINEER. CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

	<u>HORIZONTAL</u>	<u>VERTICAL</u>	<u>COMPACTION</u>
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0'to-0.1'	See Soils Report
B. ENGINEERED FILL	0.5'+	+0.1'to-0.1'	See Soils Report

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

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR FILL CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL EXCESS CONSTRUCTION MATERIALS AND DEBRIS SHALL BE PROMPTLY REMOVED FROM ALL TIE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A SAFE AND SOUND CONDITION.
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		PT	POINT OF TANGENCY
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		TF	TOP OF FOOTING

"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"

H FOR THIS PROJECT
K
B


KEN NICHOLSON

PF # 10539

DATE 4-17-07

GRADING PLAN

**IRON MOUNTAIN RANCH
VILLAGE 4
UNIT 2**

DRAWN BY: _____ KDS / FPR _____	NOV. '01
	DESIGNED BY: _____ KDS / FPR _____
	CHECKED BY: _____ KFSN _____
PROJECT NO: 15918-2	SCALE: 1"=40' NA VERT.

PROFESSIONAL ENGINEER - STATE OF NEVADA
KENNETH NICHOLSON
CIVIL
No. 10539

SHEET
G1
7 OF 23 SHEETS
DRAWING NO.

\\5407\VILLEGE4\UNIT2\5918GR02 (G1)