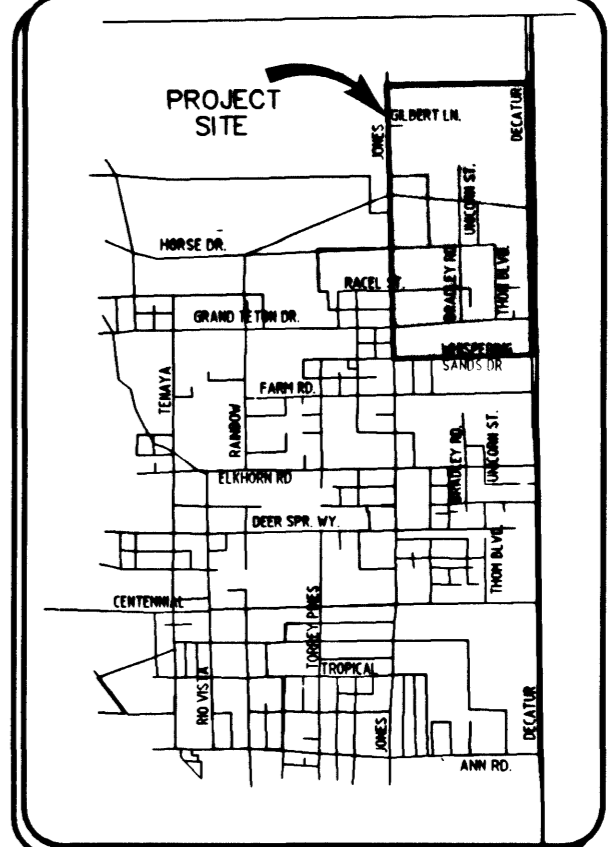
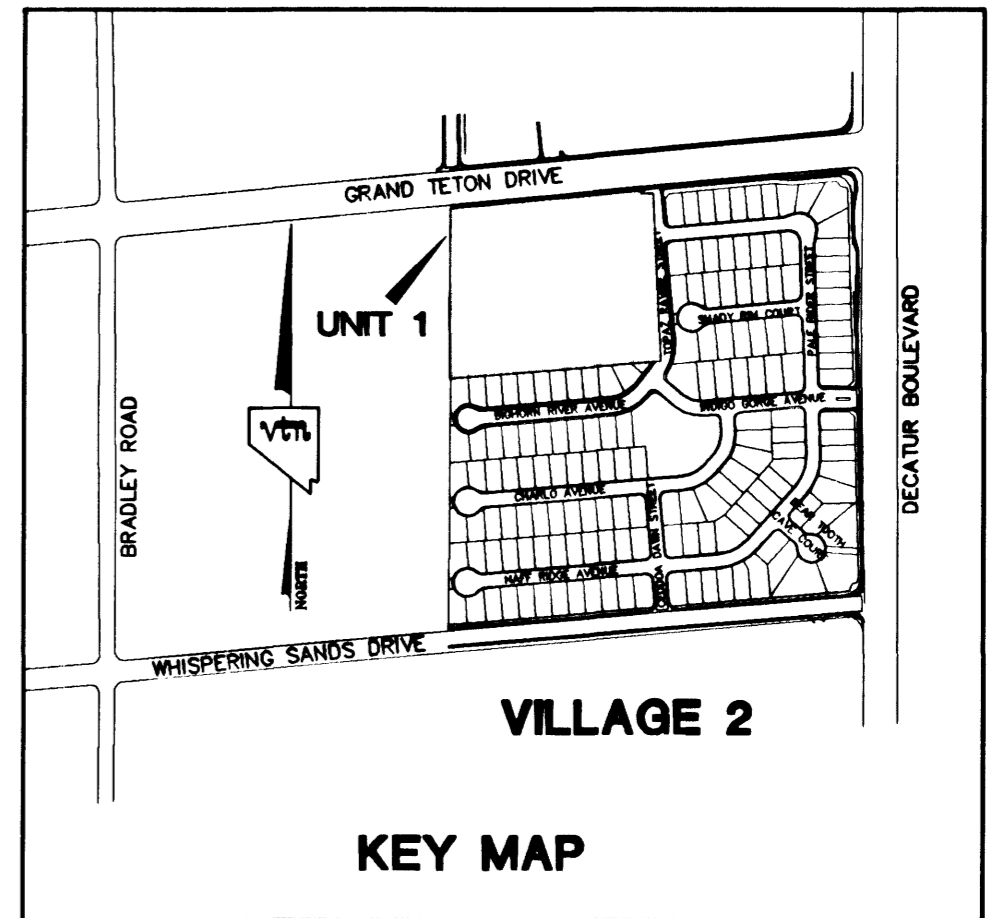


LEGEND

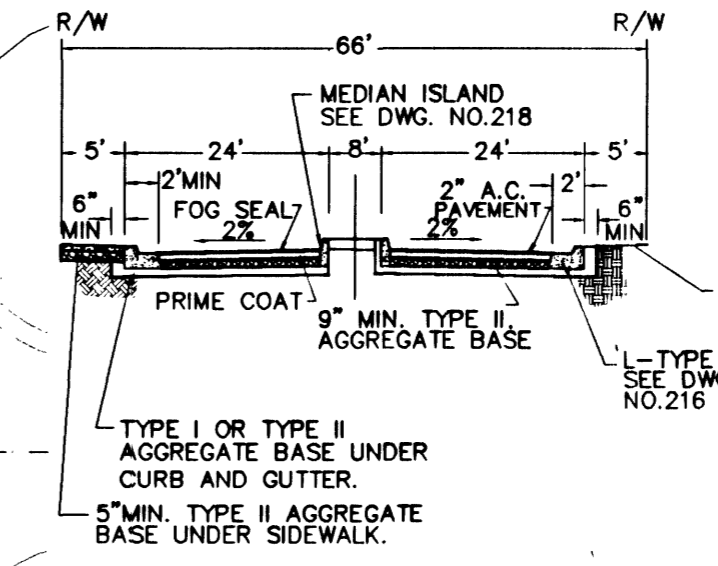
- 8 LOT NUMBER
- 8 BLOCK NUMBER
- EX. CONTOUR (5' INTERVAL)
- EX. CONTOUR (1' INTERVAL)
- PROPOSED CONTOUR
- CONCRETE BLOCK WALL
- RETAINING WALL
- EXISTING WALL
- PROPOSED PAD GRADE
- EX./FUTURE PAD GRADE
- SCARP AREA
- SIDEWALK RAMP
- PAD SLOPES
- 0.8% DIRECTION & RATE OF SLOPE
- SIGHT VISIBILITY ZONES
- 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
- EG GRADE BREAK
- PC POINT OF CURVATURE
- PRC POINT OF REVERSE CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- BVC BEGIN VERTICAL CURVE
- MVC MID-POINT OF VERTICAL CURVE
- END VERTICAL CURVE
- PVC POINT OF VERTICAL CURVE
- PT POINT OF TANGENCY
- NG NATURAL GROUND
- TF TOP OF FOOTING



LOCATION MAP
NOT TO SCALE



KEY MAP
GRAPHIC SCALE
1" = 40'



TYPICAL GRADING SECTION
STANDARD SINGLE FAMILY DETACHED - NO SCALE

NOTE: RETAINING WALL TO BE AT OR ABOVE UPPER PAD ELEVATION.

RETAINING WALL CONVERSION TABLE

1	0.87'
2	1.33'
3	2.00'
4	2.67'
5	3.33'
6	4.00'
7	4.67'
8	5.33'

NOTE: SEE SHEET S1-S3 FOR SIDEWALK RAMP DATA TABLE

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. THE 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 BACKFILL 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.

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

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 OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

BENCHMARK
 PROJECT DATUM: NAVD88
 CITY OF LAS VEGAS BENCHMARK 11V90-LINES
 NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)
 ONLY BM 413148, DECATUR BLVD & GRAND TETON DRIVE
 100' SW OF SECTION CORNER, NEXT TO METAL POWER POLE

Avoid cutting underground utilities. It's costly.
 Call before you Dig
 1-800-227-2600

Avoid overhead power line contact
 Call before you OVERHEAD
 1-702-593-6111

KB HOME
 1385 W. ROAD, SUITE 100
 LAS VEGAS, NEVADA, 89119
 (702) 614-2500

VTM nevada
 CONSULTING ENGINEERS & LAND SURVEYORS
 2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89102-5148
 PH. (702) 873-7550 FAX (702) 882-2597

GRADING PLAN

IRON MOUNTAIN RANCH VILLAGE 2 UNIT 1

SHEET JUN 99

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

PROJECT NO: 5603-1

SCALE: 40 VERT. NA

SHEET 01 OF 20 SHEETS

DRAWING NO: 107Y-4604-2-1

DATE: 8-15-01

SEAL: KENNETH F. NICHOLSON, CIVIL ENGINEER, No. 10539

3709 37280 42097