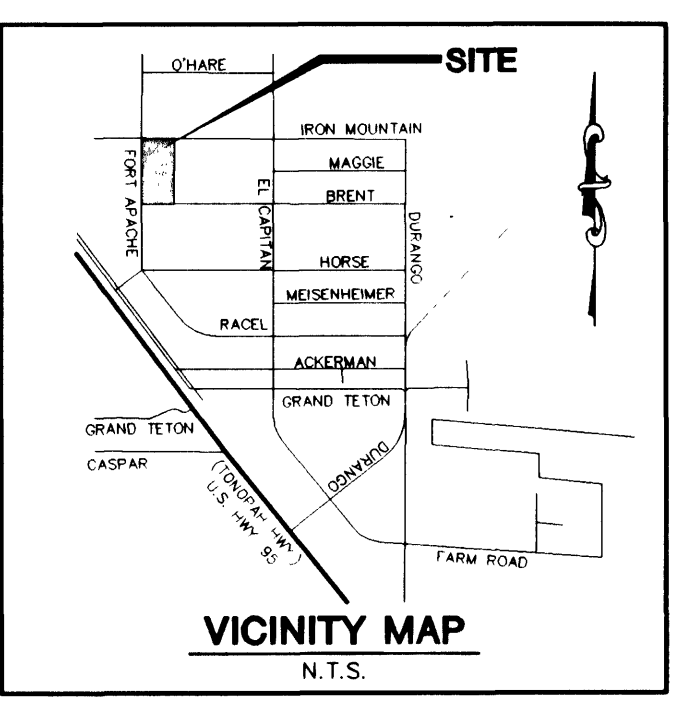
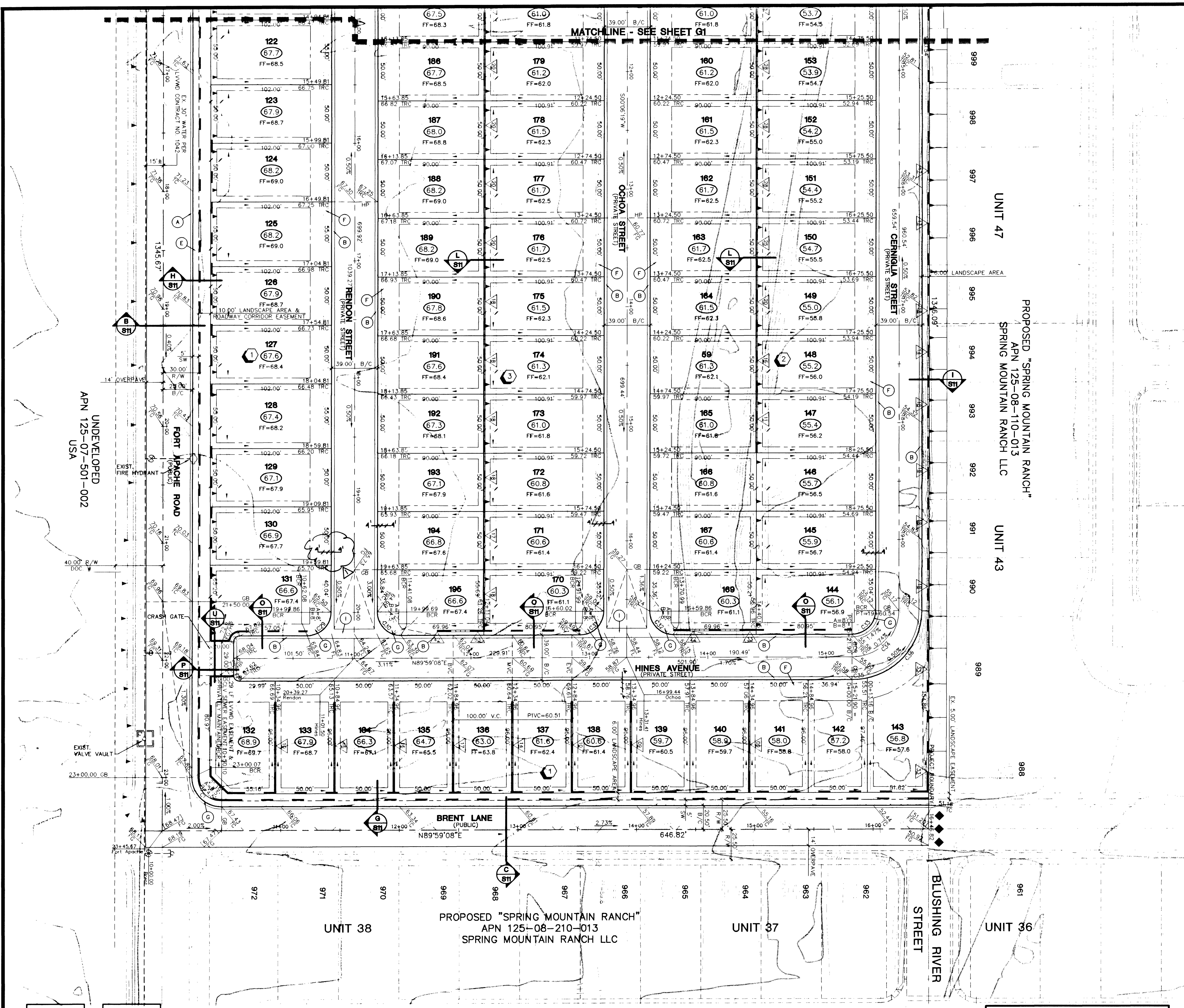
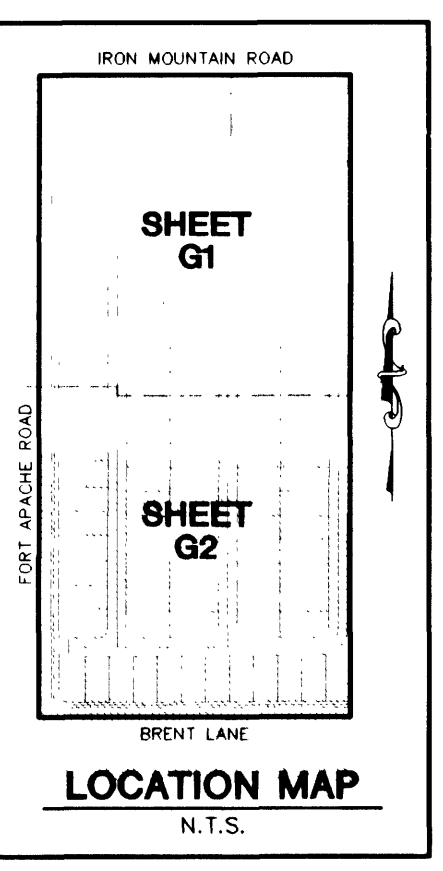


FOR DETAILS AND SECTIONS
SEE SHEET S11



- 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" |
| B. ENGINEERING FILL | 0.5" | +0.1 to -0.1" |
- 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 CITY 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.

- CONSTRUCTION NOTES:**
- CONSTRUCT "L" CURB & GUTTER PER USD #216
 - CONSTRUCT "ROLL" CURB & GUTTER PER USD #217A
 - CONSTRUCT "A" TYPE CURB PER USD #219
 - CONSTRUCT 10" CURB TRANSITION 30" "ROLL" TO 30" "L"
 - CONSTRUCT 5' SIDEWALK PER USD #234
 - CONSTRUCT 4' SIDEWALK PER USD #234
 - CONSTRUCT SIDEWALK RAMP CASE 1 PER USD #235
 - CONSTRUCT SIDEWALK DRAIN PER USD #236
 - CONSTRUCT 8" CROSS GUTTER PER USD #228
 - CONSTRUCT HALF STREET CROSS GUTTER PER USD #229
 - 3" TYPE "CM2" DROP INLET

SPECIAL NOTE:
ADJUST ALL EXISTING SANITARY SEWER AND STORM DRAIN MANHOLE ELEVATIONS TO STREET FINISH GRADE AS NECESSARY.

Call before you Dig
1-800-227-2600

Call before you Overhead
1-702-593-6111

BENCHMARK
PROJECT DATUM NAVD88
CLV BENCHMARK ILY90 5C4
ELEVATION: 791.3179 METERS (2596.17 FEET)
USC & GS BM #169, 200' SOUTH OF C 1/4 SECTION 5,
EL CAPITAN WAY AND LOG CABIN WAY.

BASIS OF BEARINGS
NORTH 89°56'55" EAST, BEING THE BEARING OF THE
NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF
SECTION 8, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M.,
CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF
SURVEY, ON FILE IN THE COUNTY RECORDER'S OFFICE,
CLARK COUNTY, NEVADA, IN FILE 88 OF SURVEYS, AT
PAGE 15.

CUT = 27902 C.Y.
FILL = 42034 C.Y. (UNADJUSTED)

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

PRIVATE STREET NOTE:
PRIVATE STREETS ARE P.U.E.s. CLV PUBLIC
SEWER EASEMENTS, AND PUBLIC DRAINAGE
EASEMENT ARE TO BE PRIVATELY MAINTAINED.

CHRISTOPHER R. GRUBBS, P.E. NO. 13956
DATE: 7/10/02

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

ASTORIA HOMES
2277 SOUTH RAINBOW BOULEVARD, LAS VEGAS, NEVADA 89146-5148
PH: (702) 873-7550 FAX: (702) 362-2597
www.astoriahomes.com

GRADING PLAN

IRON MOUNTAIN ESTATES SOUTH

CITY OF LAS VEGAS

REVISION

REV	DATE	BY	DESCRIPTION
1	8/14/02	CLV	REVISE FINAL SHEET SECTION FROM 7 (FORM TO 8)

DESIGNED BY: OCT. 2001
CHECKED BY: OCT. 2001
PROJECT NO: OCT. 2001
SCALE: 1"=40' HORIZ
N/A VERT.

CONTRACTOR: OCT. 2001

ENGINEER: OCT. 2001

DATE: OCT. 2001

PROJECT NO: 13956

SCALE: 1"=40' HORIZ
N/A VERT.

SHEET
G2
6 OF 25 SHEETS
DRAWING NO.
107-4622-5