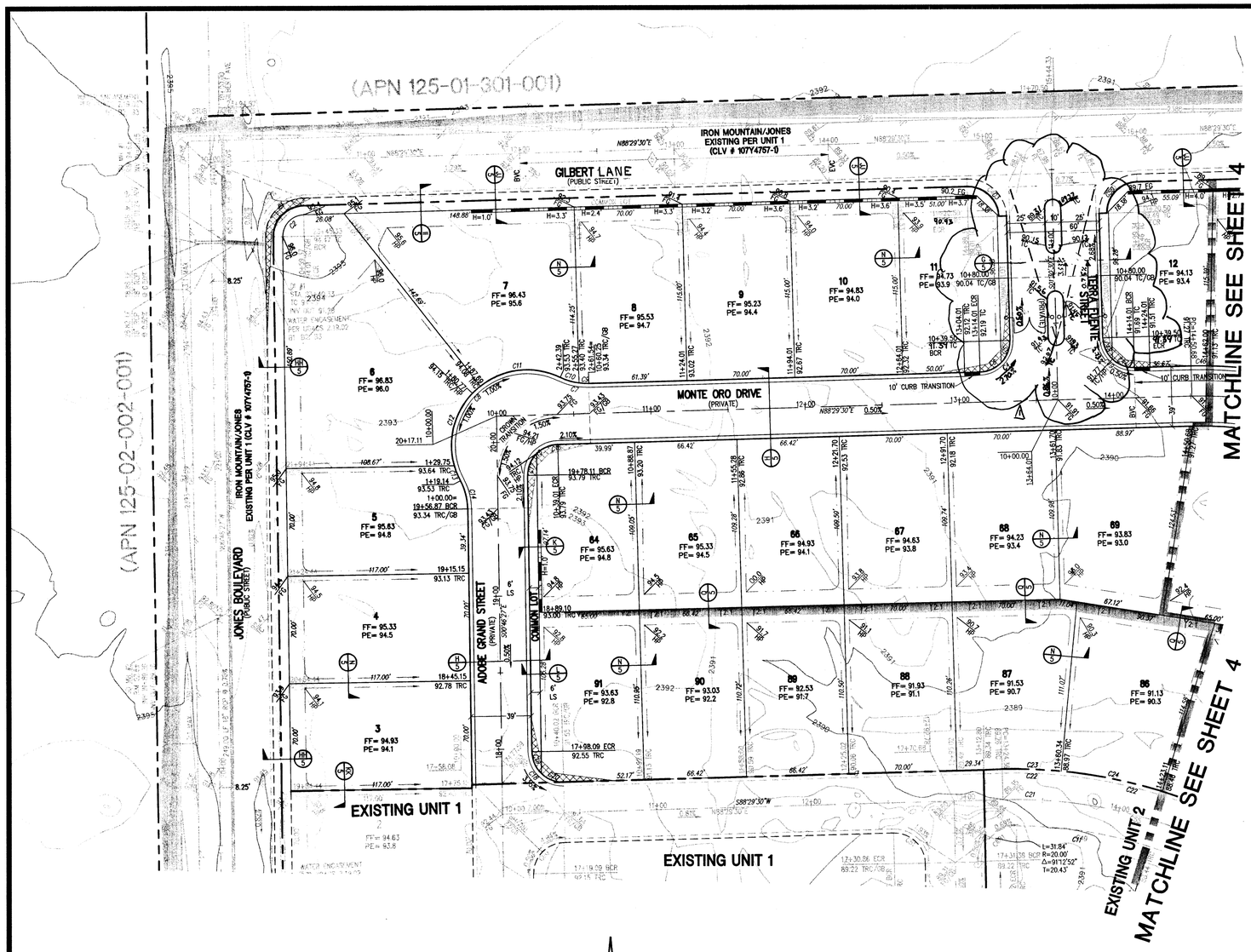

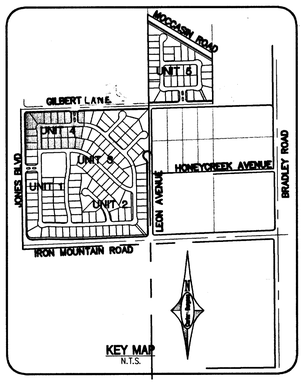

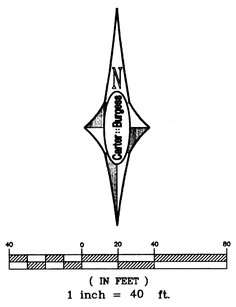

CURVE TABLE				
CURVE	RADIUS	TANGENT	ARC LENGTH	DELTA ANGLE
C1	20.00'	19.75'	31.16'	89°15'57"
C2	14.00'	13.82'	21.81'	89°15'57"
C3	20.00'	20.00'	31.42'	90°00'00"
C4	20.00'	20.00'	31.42'	90°00'00"
C5	20.00'	8.40'	15.91'	45°34'23"
C6	20.00'	8.17'	15.51'	44°25'37"
C7	50.00'	11.53'	22.67'	25°58'28"
C8	49.00'	138.20'	120.77'	141°12'52"
C9	50.00'	4.34'	8.66'	09°55'12"
C10	50.00'	7.05'	14.01'	16°03'16"
C11	49.00'	29.74'	53.42'	62°31'08"
C12	49.00'	32.89'	57.93'	67°44'33"
C13	49.00'	4.70'	9.37'	10°57'11"
C14	50.00'	11.53'	22.67'	25°58'28"
C15	30.00'	29.62'	46.74'	89°15'57"
C16	30.00'	14.76'	27.43'	52°23'45"
C17	30.00'	10.00'	19.31'	36°52'12"
C18	20.00'	20.28'	31.67'	90°44'03"
C19	20.00'	8.40'	15.91'	45°34'23"
C20	20.00'	8.32'	15.76'	45°09'41"
C21	300.00'	125.52'	237.75'	45°24'27"
C22	319.50'	87.69'	171.16'	30°41'39"
C23	319.50'	19.18'	38.31'	06°52'13"
C24	319.50'	33.55'	66.85'	11°59'21"
C25	319.50'	33.11'	65.99'	11°50'05"
C26	230.50'	46.97'	92.68'	23°02'14"
C27	230.50'	45.58'	89.99'	22°22'12"
C28	230.50'	96.44'	182.67'	45°24'25"
C29	250.00'	104.60'	198.13'	45°24'26"
C30	20.00'	20.00'	31.42'	90°00'00"
C31	20.00'	8.40'	15.91'	45°34'23"
C32	20.00'	8.17'	15.51'	44°25'37"
C33	40.50'	10.79'	21.08'	29°49'41"
C34	40.50'	53.34'	74.63'	105°34'45"
C35	40.50'	66.27'	82.80'	117°08'07"
C36	40.50'	55.19'	178.51'	252°32'33"
C37	19.50'	14.31'	24.69'	72°32'33"
C38	20.00'	20.00'	31.42'	90°00'00"
C39	20.00'	8.17'	15.51'	44°25'37"
C40	20.00'	8.40'	15.91'	45°34'23"
C41	275.50'	37.62'	74.78'	15°33'10"
C42	269.50'	112.75'	213.58'	45°24'25"
C43	269.50'	36.80'	73.15'	15°33'10"
C44	269.50'	32.21'	64.11'	13°37'49"
C45	269.50'	32.21'	64.11'	13°37'49"
C46	269.50'	6.10'	12.20'	02°35'39"
C47	20.00'	8.17'	15.51'	44°25'37"
C48	20.00'	8.40'	15.91'	45°34'23"
C49	20.00'	20.00'	31.42'	90°00'00"
C50	20.00'	20.00'	31.42'	90°00'00"

PROFESSIONAL ENGINEER REGISTERED STATE OF NEVADA
ANDREA L. LEONARD
Exp. 12/31/05
CIVIL
7-23-04
No. 15561
ONLY

VERTICAL CURVE TABLE

158.40' VC
PVI STA = 14+93.21
PVI ELEV = 2391.26
A.D. = -2.67
K = 59.28

100' VC
PVI STA = 16+22.41
PVI ELEV = 2387.16
A.D. = 2.67
K = 37.40

PRIVATE STREET NOTE

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA.

BASIS OF BEARING:

NORTH 87°44'39" EAST BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON A MAP ON FILE 73, PAGE 14 OF SURVEYS ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK:

RIVET AND PLATE IN CONCRETE CYLINDER SW CORNER OF IRON MOUNTAIN AND LEON (BENCHMARK NAME - 8LV90 12NNW6)

ELEVATION = 2380.77 FEET OR 725.6587 METERS, NAVD 88 DATUM

NOTE

1. ALL COMMON LOTS, PUBLIC DRAINAGE EASEMENTS, & LANDSCAPE EASEMENTS ARE TO BE PRIVATELY MAINTAINED.

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.
Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you Dig
1-800-227-2600

GENERAL NOTES

1. SEE SHEET 2 FOR ADDITIONAL NOTES, LEGEND AND QUANTITY ESTIMATE.
2. SEE SHEETS 6 & 7 FOR UTILITY LOCATIONS.
3. SEE SHEET 5 FOR CONSTRUCTION DETAILS.
4. SEE FINAL MAP FOR SIGHT VISIBILITY ZONE GEOMETRICS.
5. THE CONTRACTOR SHALL VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES AND SURFACE FEATURES PERTINENT TO THIS PROJECT PRIOR TO CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER IF ANY DISCREPANCIES ARE ENCOUNTERED.
6. CONSTRUCTION SHALL COMPLY WITH SOILS REPORT E-02-088 PREPARED BY: OWENS GEOTECHNICAL, INC.
   DATED: JUNE 4, 2002
7. ESTIMATED EARTHWORK QUANTITIES:
   CUT: 15,876 CY
   FILL: 15,149 CY

DRAINAGE STUDY NOTE:

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

PAULO E. CHAVEZ, PE NO. 15788 — DATE 11/19/03

REV	DATE	BY	REVISION
1	7-23-04	MCL	REVISED ENTRANCE GRADING

GREYSTONE NEVADA LLC
3765 EAST SUNSET ROAD, SUITE 281
LAS VEGAS, NV. 89120
702-736-9100

Carter::Burgess
Consultants in Planning, Engineering, Construction Management, and Related Services
6655 Bermuda Road
Las Vegas, NV 89119
(702) 938-5400 Fax (702) 938-5454

GRADING PLAN 1

IRON MOUNTAIN/JONES-UNIT 4
GREYSTONE NEVADA LLC

DRAWN BY: TMG
DESIGNED BY: PC
CHECKED BY: DPW
PROJECT NO: 240570
SCALE: 1"=40' HORIZ. NONE VERT.

PROFESSIONAL ENGINEER REGISTERED STATE OF NEVADA
PAULO E. CHAVEZ
EXP. 12/31/04
CIVIL
No. 15788
11/19/03

SHEET 3
3 OF 11 SHEETS
DRAWING NO. 107Y4757-4

64634 RGm 71916