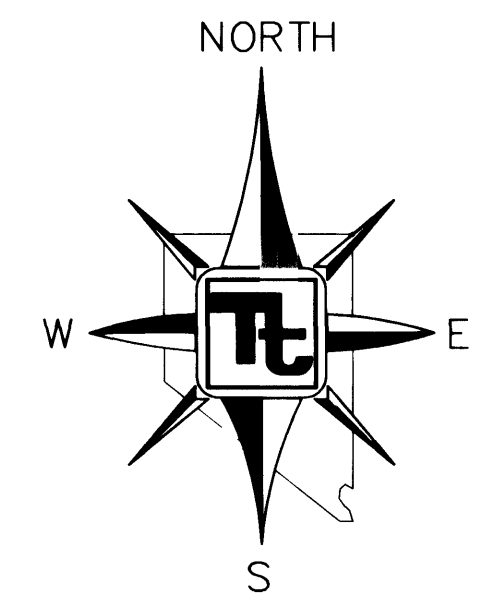
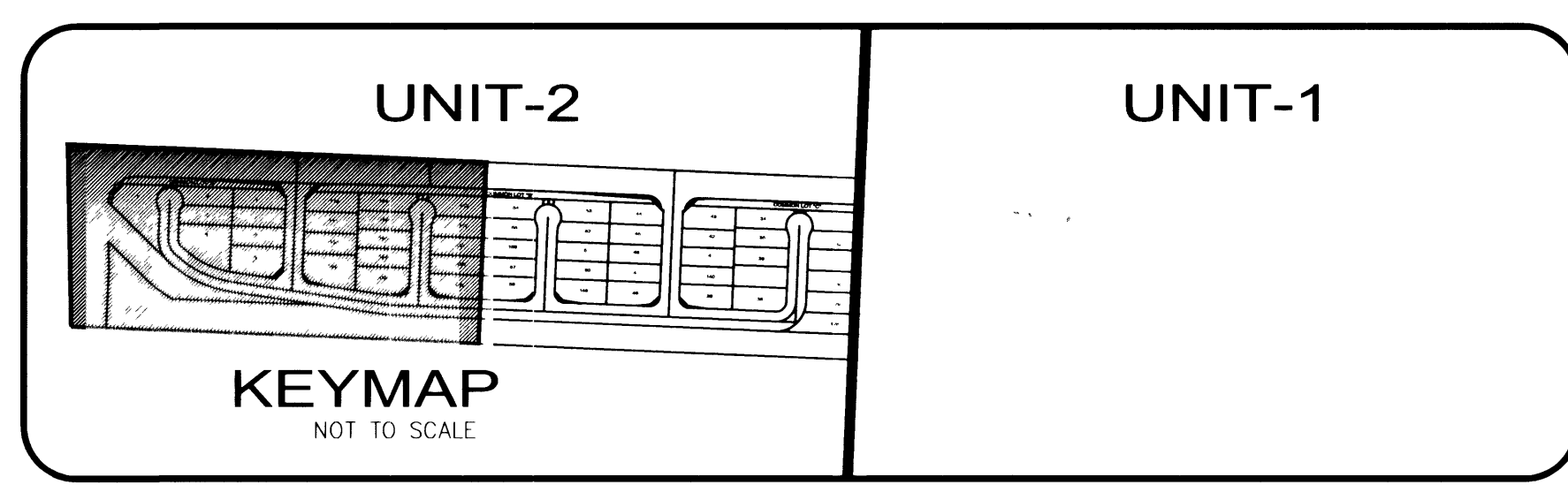
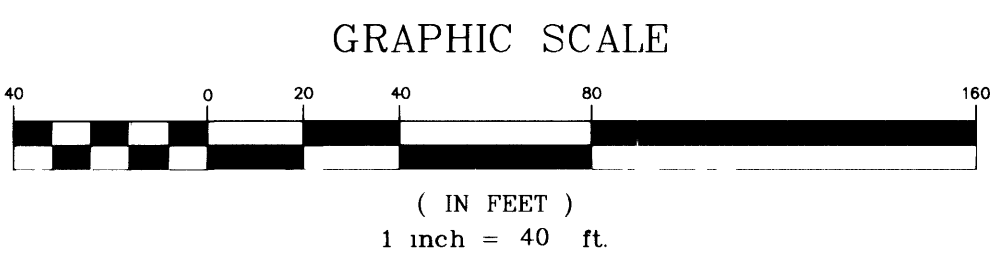
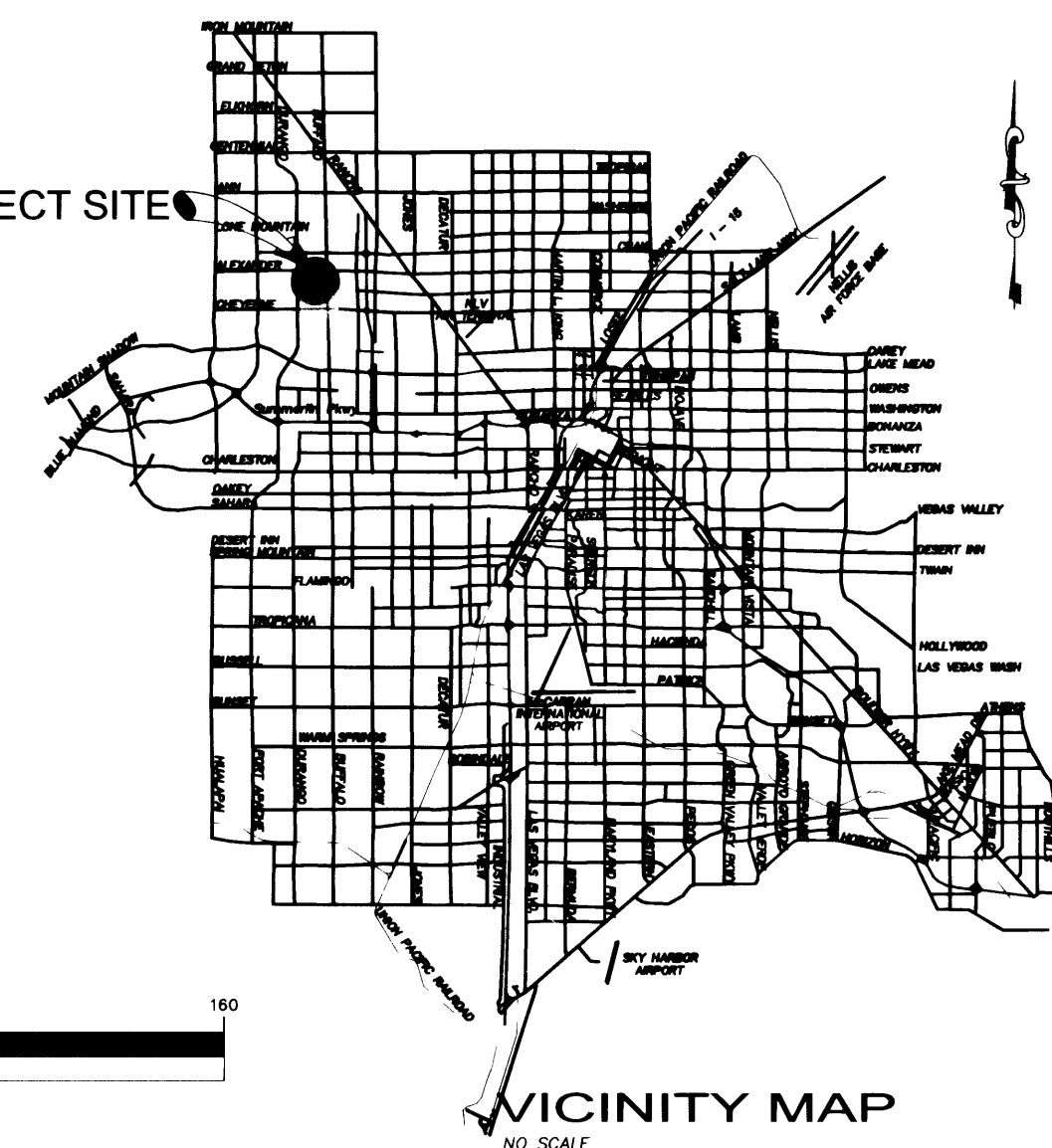
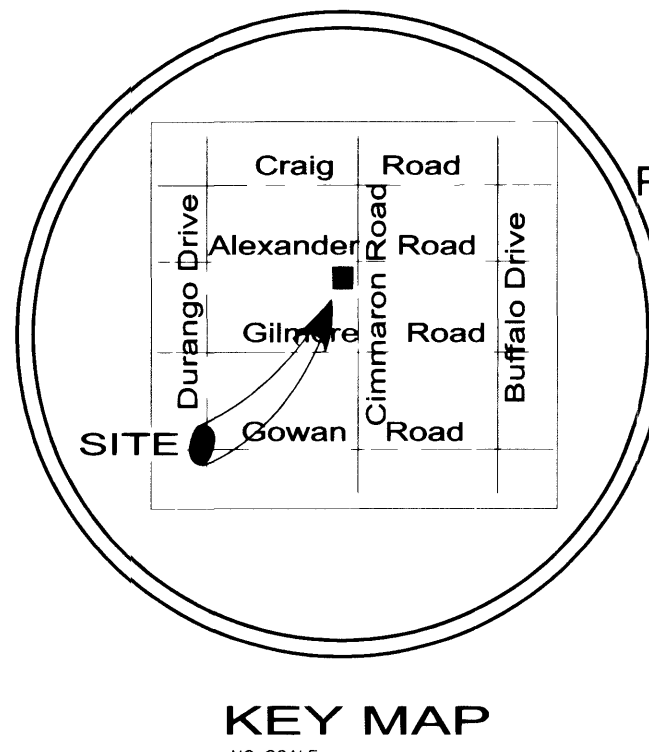
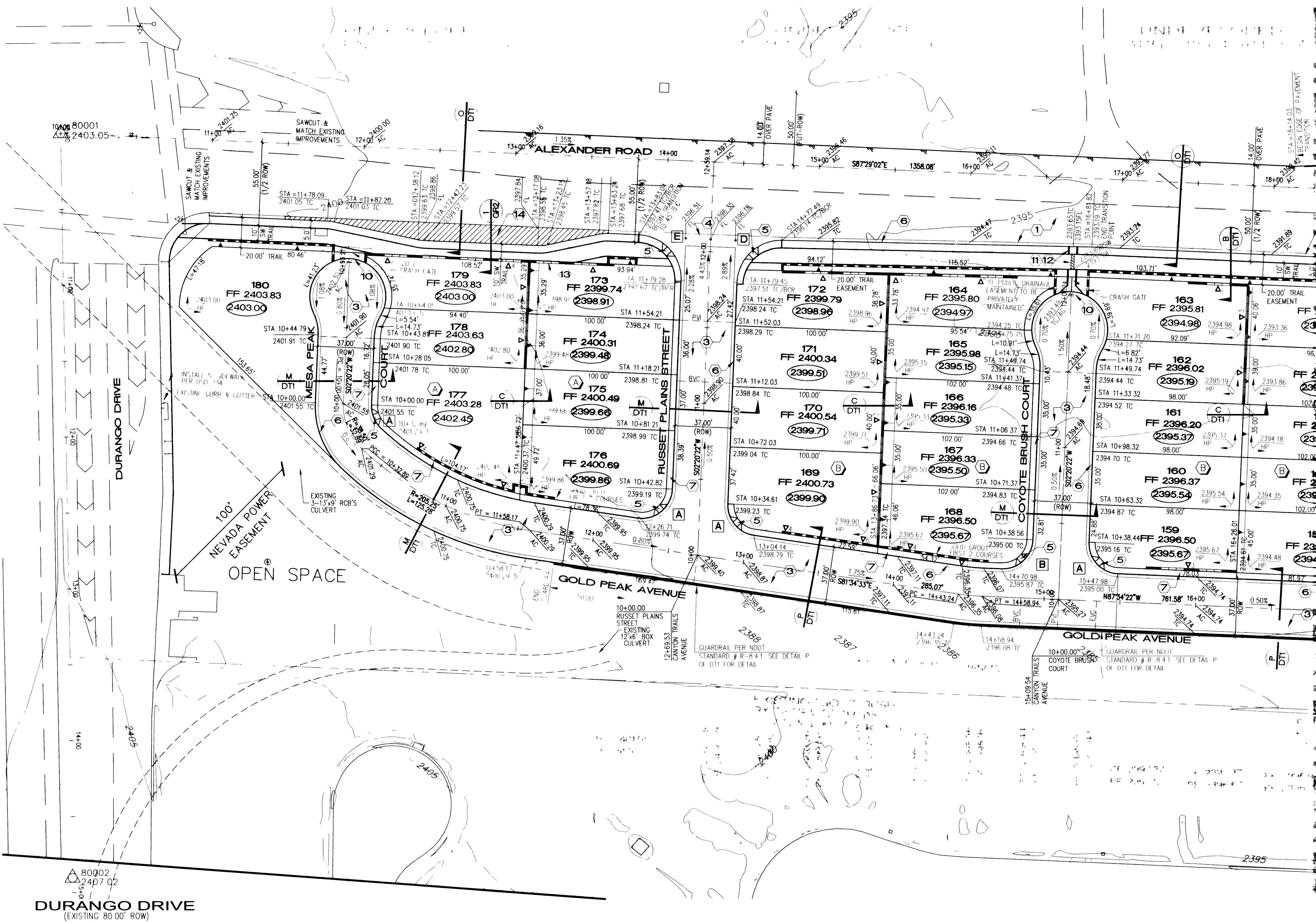




- LEGEND**
- AC ASPHALT CONCRETE
 - CONC CONCRETE
 - TC TOP OF CURB
 - FF FINISH FLOOR
 - PE PAD ELEVATION
 - EO EDGE OF CHANNEL
 - Ø EXIST. OVERHEAD POWER POLE
 - FL FLOWLINE
 - CL CENTERLINE
 - GB GRADE BREAK
 - F-TC FUTURE TOP OF CURB
 - 2 GR2 DETAIL OF SECTION NUMBER SHEET DETAIL IS SHOWN
 - PHASE LINE
 - BLOCK WALL
 - RETAINING WALL
 - SIGHT ZONES
 - END OF ROAD BARRICADE
- H.C. RAMP DATA**
- CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. STANDARD DWG. NO. 235
- | NO. | "A" | "B" | "C" | CASE |
|-----|------|------|-----|------|
| A | 8' | 8' | 8' | I |
| B | 9.5' | 4.5' | I | |
| C | 15' | 4.5' | I | |
| D | 4.5' | 12' | II | |
| E | 8' | 8' | II | |

- GRADING NOTE**
- TETRA TECH SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
 - ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY LAS VEGAS PUBLIC WORKS.
 - FOR AREAS THAT ARE FLATTER THAN 2:1 SLOPE, OR LESS THAN 1" ELEVATION DIFFERENCE, SCARPS ARE NOT SHOWN ON PLAN FOR PRACTICAL PURPOSES.
 - NOT USED.
 - NOT USED.
 - ALL SLOPE AREAS SHALL HAVE A MINIMUM ONE FOOT SHOULDER NEXT TO WALL PRIOR TO STARTING SLOPE.
 - PAD SECTION SHOWN ON PLANS IS FOR REFERENCE ONLY. FOR ACTUAL SECTION, REFER TO GEOTECHNICAL REPORT FOR SOILS ENGINEERS' RECOMMENDATION.
 - ALL SIDEWALK INSTALLATIONS SHALL CONFORM TO ADA REQUIREMENTS.
 - RETAINING WALL ELEVATIONS ARE SHOWN FOR CONVENIENCE ONLY. CONTRACTOR MUST VERIFY EXACT TOP OF FOOTINGS, STEEPOUTINGS, AND TOP OF RETAINING WALLS TO MATCH FIELD CONDITIONS, PRIOR TO COMMENCEMENT OF WORK.

EARTHWORK QUANTITIES:

TOTAL CUT = 12,413 CY
TOTAL FILL = 19,076 CY

THESE FIGURES ARE FOR PERMIT PURPOSES ONLY AND ARE NOT INTENDED FOR BIDDING OR CONTRACT AMOUNTS. NUMBERS ARE RAW AND UNADJUSTED.

- CONSTRUCTION KEY STREET IMPROVEMENTS**
- 100' R/W = CONSTRUCT 4.5" AC PAVING OVER 5" TYPE II BASE PER U.S.D.C.C.A. STANDARD DWG. NO. 202.
 - 80' R/W = CONSTRUCT 4" AC PAVING OVER 4" TYPE II BASE PER U.S.D.C.C.A. STANDARD DWG. NO. 205.
 - 37' R/W = CONSTRUCT 2" AC PAVING OVER 4" TYPE II BASE PER U.S.D.C.C.A. STANDARD DWG. NO. 205.
 - CONSTRUCT 8' WIDE CROSS GUTTER PER U.S.D.C.C.A. STANDARD DRAWING NO. 228.
 - CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. STANDARD DWG. NO. 235 A=8.0, B=8.0 UNLESS OTHERWISE NOTED ON HC RAMP DATA.
 - CONSTRUCT "L" CURB PER U.S.D.C.C.A. STANDARD DWG. NO. 216 STANDARD DRAWING NO. 234.
 - CONSTRUCT 5' WIDE CONCRETE SIDEWALK PER U.S.D.C.C.A. STANDARD DRAWING NO. 234.
 - CONSTRUCT 6" HIGH DECORATIVE BLOCKWALL PER CITY STANDARDS AND SPECIFICATIONS.
 - CONSTRUCT DEPRESSED CURB ENTIRE LENGTH OF EASEMENT PER DETAIL K ON SHEET DT1.
 - CONSTRUCT 5.0' WIDE DRAINAGE FLUME-SEE DETAIL J ON SHEET DT1.
 - CONSTRUCT SIDEWALK UNDERDRAIN PER UNIFORM STANDARD DRAWING NO. 236.
 - CONSTRUCT STEMWALL 2 COURSES SOLID GROUT PER CITY STANDARD.
 - CONSTRUCT BUS TURN-OUT PER UNIFORM STANDARD DRAWING NO. 234.1

CERTIFICATION:

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

GARY S. KAZZO, P.E. 11-5-01 DATE

NOTE:

ALL ONSITE STREETS ARE PUBLIC STREETS AND PUBLIC UTILITY EASEMENTS.

DISCLAIMER NOTE:

UTILITY LOCATION SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND 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 LOCATIONS.

NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES ARE ENCOUNTERED.

Avoid cutting underground utility lines. It's costly.

Call before you Dig 1-800-227-2600 UNDERGROUND SERVICE (USA)

Avoid overhead power line contact.

Call before you Overhead 1-702-593-6111 NEVADA POWER ENVIRONMENT SAFETY SERVICES DEPARTMENT

NOTE:

FLUME HAS 45° FLARED ANGLES AT END OF CUL-DE-SAC

SOILS REPORT

PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
7560 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL (702) 365-1001
PROJECT NUMBER: 20001101E1

BENCHMARK

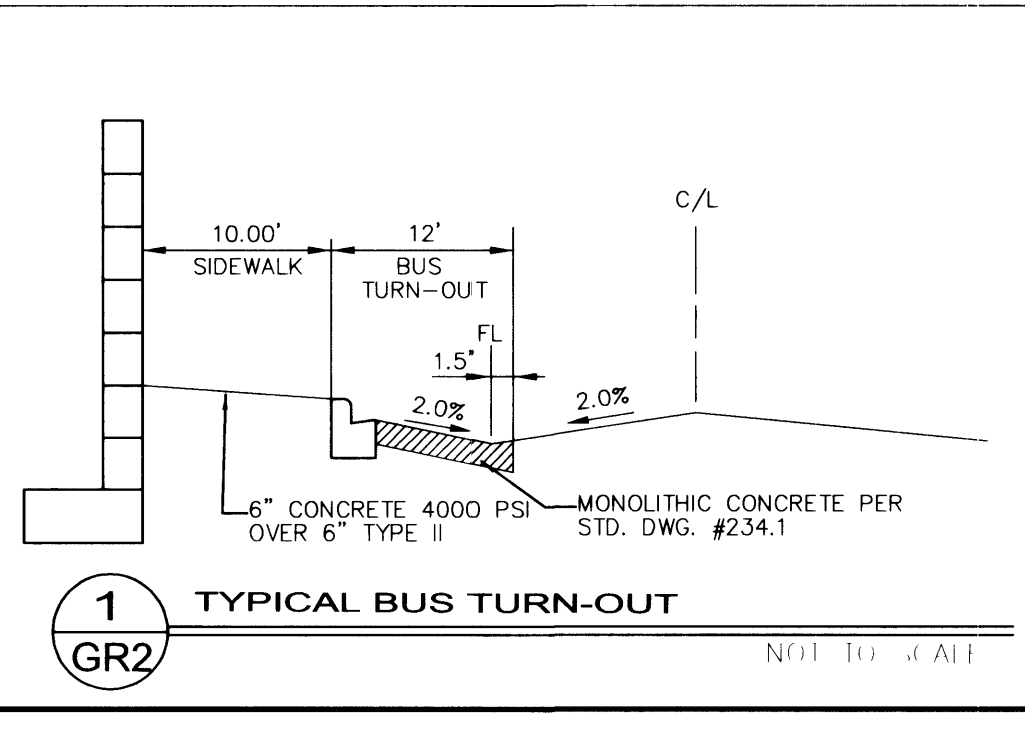
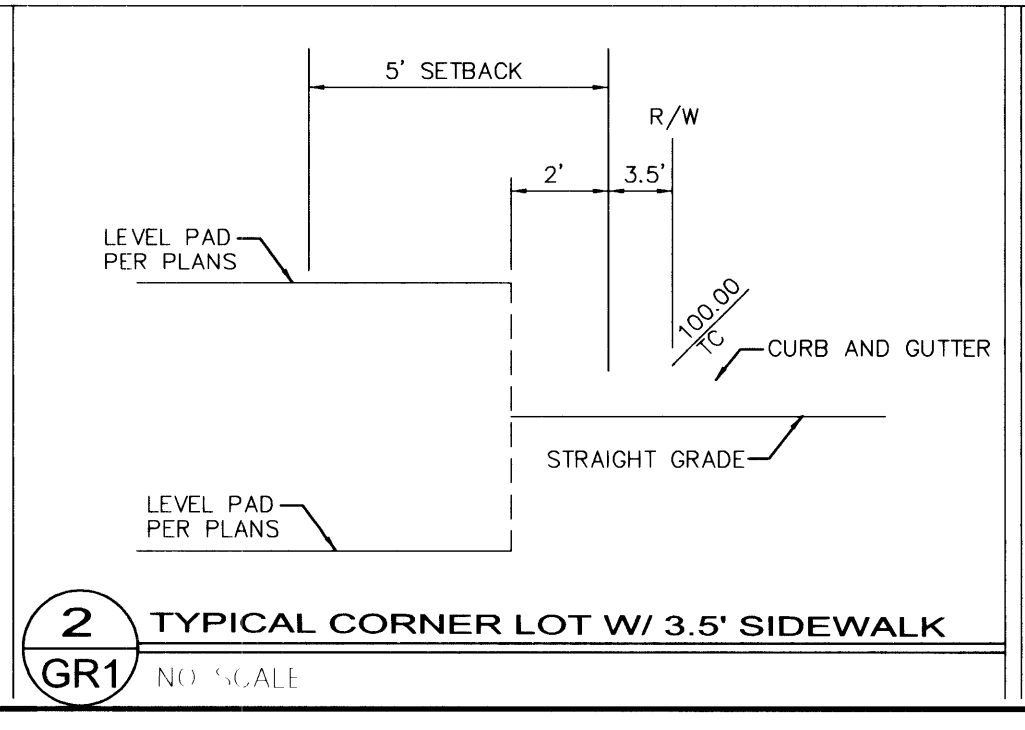
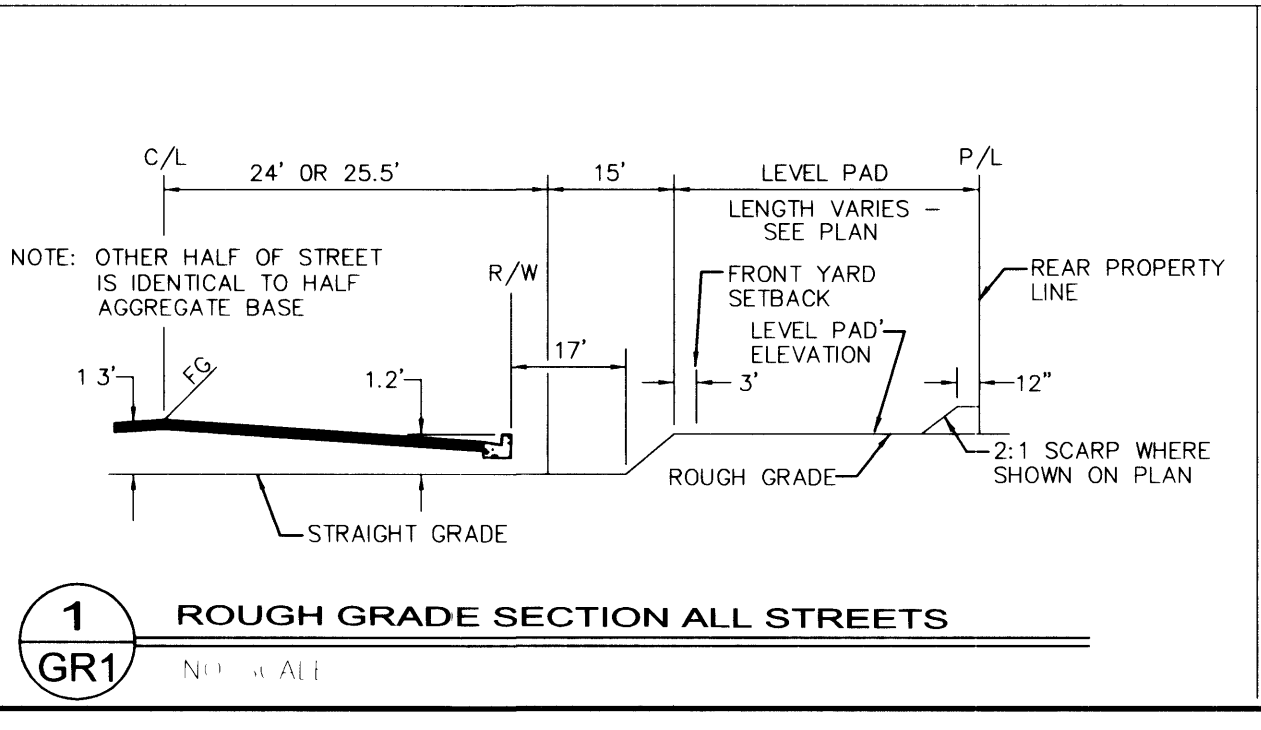
CITY OF LAS VEGAS BENCHMARK - NO.18 1LV00-45ES
RIVET AND SQUARE ALUMINUM PLATE IN TOP OF CURB, NORTHWEST RETURN OF ALEXANDER ROAD AND BUFFALO DRIVE
ELEVATION = 713.8497 METERS (NAV88)
ELEVATION = 2342.0267 FEET (NAV88)

BASIS OF BEARING

SOUTH 87°29'02" EAST BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 9, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN COPPERHEAD UNIT-7 ON FILE IN BOOK 72, PAGE 33 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

RETAINING WALL CONVERSION TABLE	
Δ1	0.67
Δ2	1.33
Δ3	2.00
Δ4	2.67
Δ5	3.33
Δ6	4.00
Δ7	4.67
Δ8	5.34

STANDARD RETAINER REATINER NEXT TO SIDEWALK											
1'4" (2crs)	2' (3crs)	2'8" (4crs)	3'4" (5crs)	4' (6crs)	4'8" (7crs)	5'4" (8crs)	6' (9crs)	6'8" (9crs)	7'4" (11crs)	8' (12crs)	
.7 - .83	.84 - 1.5	1.51 - 2.17	2.18 - 2.83	2.84 - 3.5	3.51 - 4.17	4.18 - 4.83	4.84 - 5.5	5.51 - 6.17	6.18 - 6.83	6.84 - 7.5	
N/A	.5 - 1.17	1.18 - 1.83	1.84 - 2.5	2.51 - 3.17	3.18 - 3.83	3.84 - 4.5	4.51 - 5.17	5.18 - 5.83	5.84 - 6.5	6.51 - 7.17	



KB HOME NEVADA, INC.
750 PILOT ROAD, SUITE F
LAS VEGAS, NEVADA 89119
TEL # (702) 614-2500

TETRA TECH, INC.
1150 S. LAS VEGAS BLVD., SUITE 100, LAS VEGAS, NEVADA 89145 (702) 242-4200

GRADING PLAN PLAN

GOLDRUSH III UNIT-2

CITY OF LAS VEGAS, NEVADA

SHEET

QUALITY CONTROL BY: GARY S. KAZZO

DESIGNED BY: E. JAGHANA

DRAWING NO. 11-5-01

PROJECT NO. 107Y-4648-3-2

DATE 11-5-01

SCALE 1"=40'

PROJECT NO. 107Y-4648-3-2

DRAWING NO. 8 OF 23

SEAL

PROFESSIONAL ENGINEER

GARY S. KAZZO, P.E.

11-5-01

8 OF 23