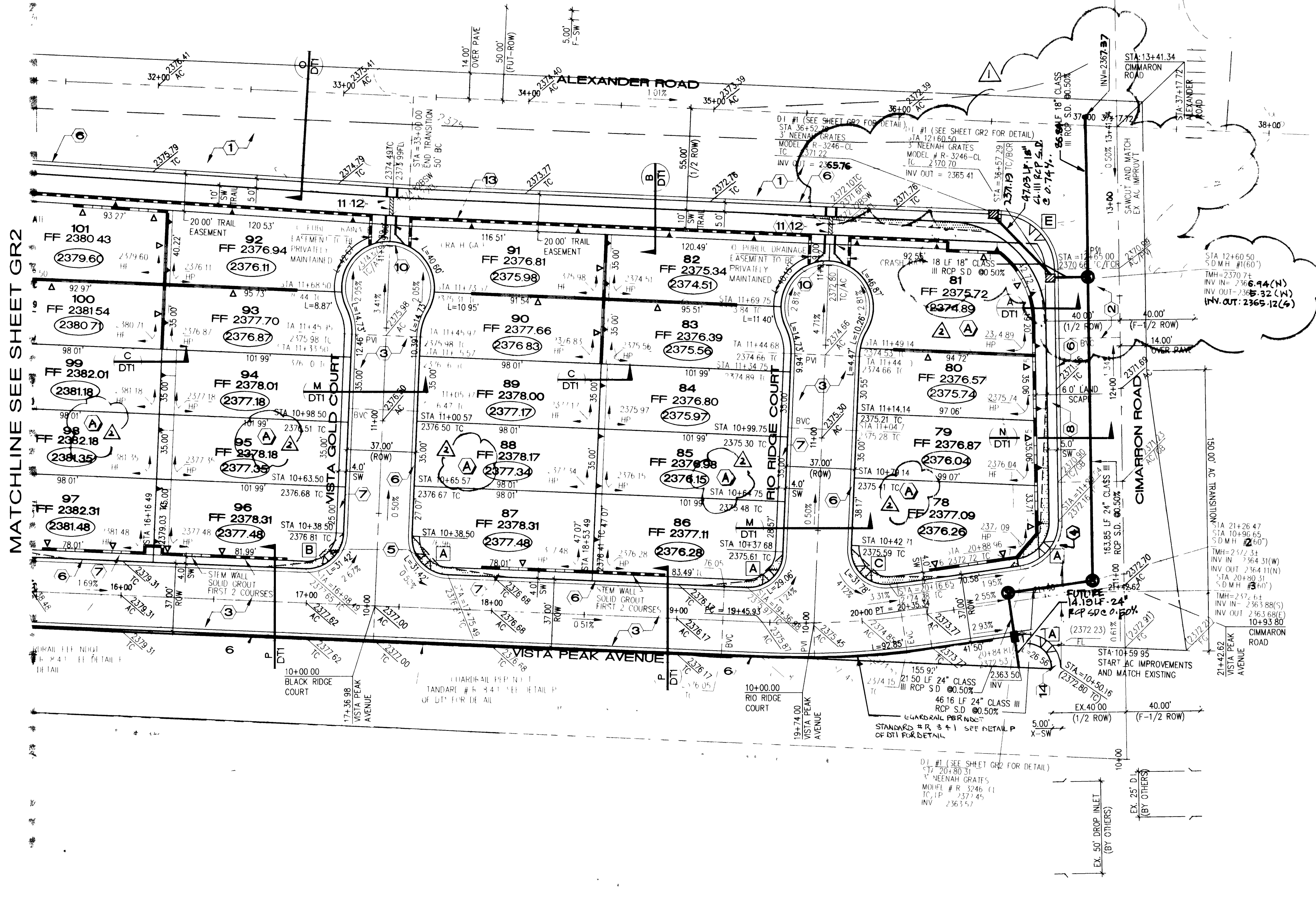
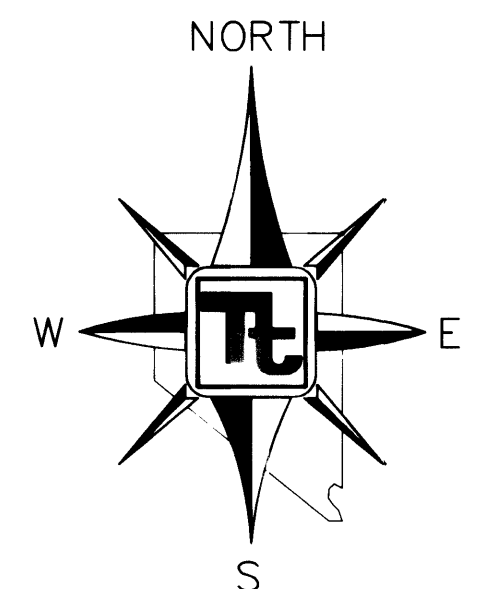
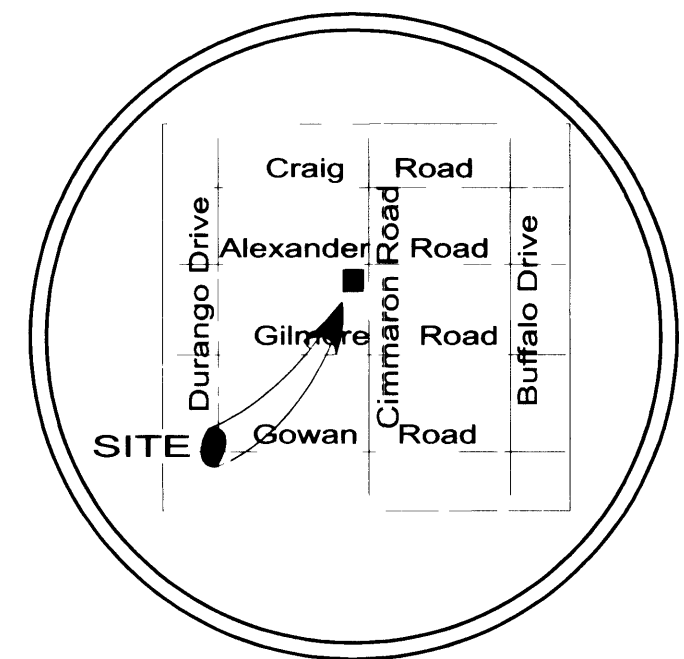


MATCHLINE SEE SHEET GR2

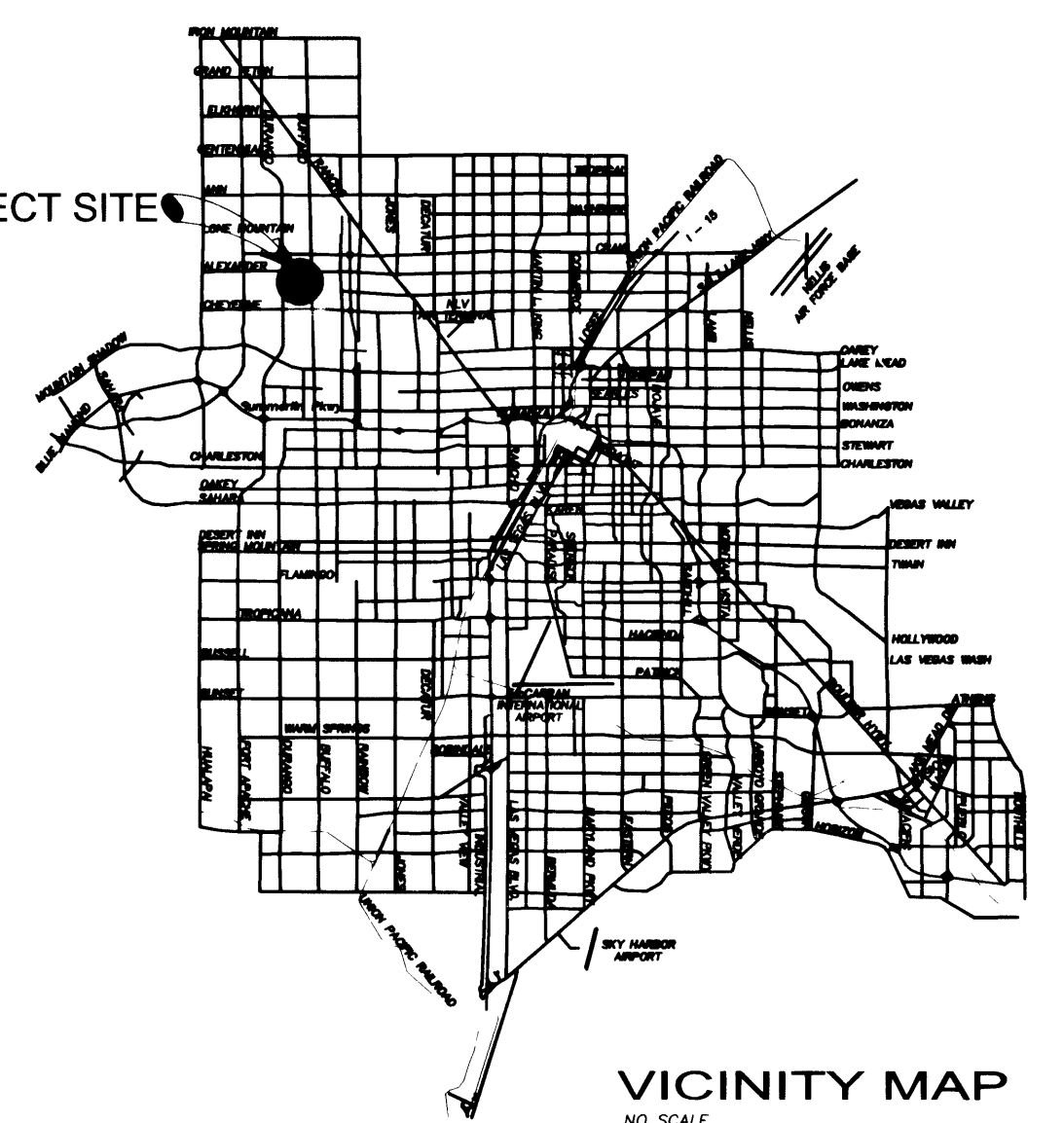


NOTE:
FLUME HAS 45° FLARED ANGLES AT END OF CUL-DE-SAC

CIMARRON ROAD
(EXISTING 80.00' ROW)



PROJECT SITE



- LEGEND**
- AC ASPHALT CONCRETE
 - CONC CONCRETE
 - TC TOP OF CURB
 - FF FINISH FLOOR
 - PE PAD ELEVATION
 - RE REFUSE ENCLOSURE
 - Ø EXIST. OVERHEAD POWER POLE
 - Ø FLOWLINE
 - CL CENTERLINE
 - GB GRADE BREAK
 - EOC EDGE OF CHANNEL
 - F-TC FUTURE TOP OF CURB
- 2** DETAIL OF SECTION NUMBER
GR2 SHEET DETAIL IS SHOWN
- PHASE LINE
 - BLOCK WALL
 - RETAINING WALL
 - SIGHT ZONES
 - END OF ROAD BARRICADE

SOILS REPORT
PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
7560 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL (702) 365-1001
PROJECT NUMBER: 4121JD037

- 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 OF LAS VEGAS PUBLIC WORKS.
 - FOR AREAS THAT ARE FLATTER THAN 2:1 SLOPE, OR LESS THAN 1" ELEVATION DIFFERENCE, SCARPERS ARE NOT SHOWN ON PLAN FOR CLARITY 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 EXIST. TOP OF FOOTINGS, STEPPED FOOTINGS, AND TOP OF RETAINING WALLS TO MATCH FIELD CONDITIONS, PRIOR TO COMMENCEMENT OF WORK.
- EARTHWORK QUANTITIES:**
TOTAL CUT = 11,561 CY
TOTAL FILL = 6,748 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.
- CONSTRUCT 4" WIDE CONCRETE SIDEWALK PER U.S.D.C.C.A. 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 UNIFORM STANDARD DWG. NO. 227.
- CONSTRUCT CONCRETE FLUME PER DETAIL J ON DETAIL SHEET DT1.
- CONSTRUCT SIDEWALK UNDER DRAIN PER UNIFORM STANDARD DWG. NO. 236.
- CONSTRUCT STEMMWALL 2 COURSES SOLID GROUT PER CITY STANDARD. CONSTRUCT SIDEWALK OVER BRIDGE STRUCTURE WITH A MONOLITHIC POUR. EX. SW MUST BE REMOVED WITHOUT DAMAGE TO EX. BRIDGE SLAB.

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.

JOSEPH D. THOMASON, P.E.
DATE 10/16/01

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

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.

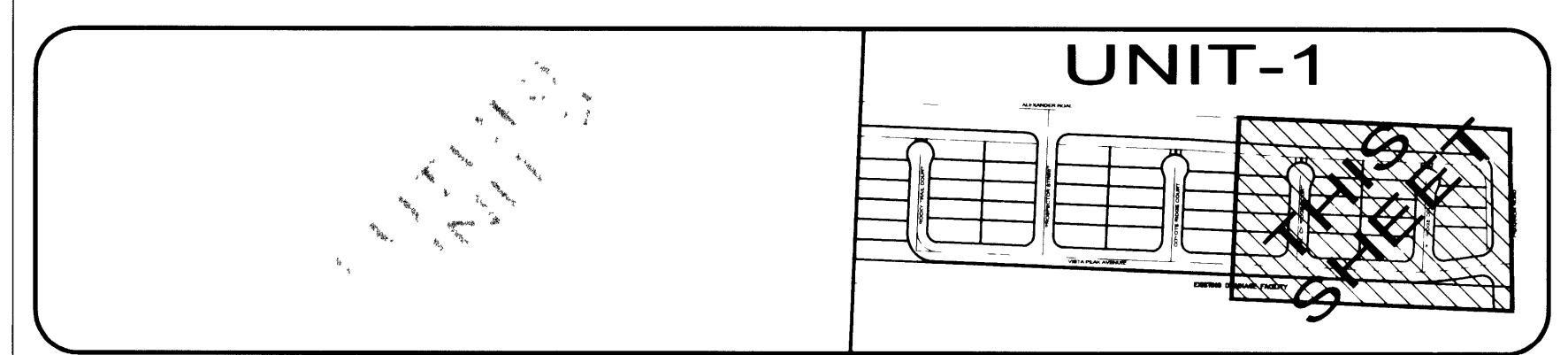
H.C. RAMP DATA
CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. STANDARD DWG. NO. 235

NO.	"A"	"B"	CASE
A	8'	8'	I
B	9.5'	4.5'	I
C	15'	4.5'	I
D	4.5'	12'	II
E	8'	8'	II

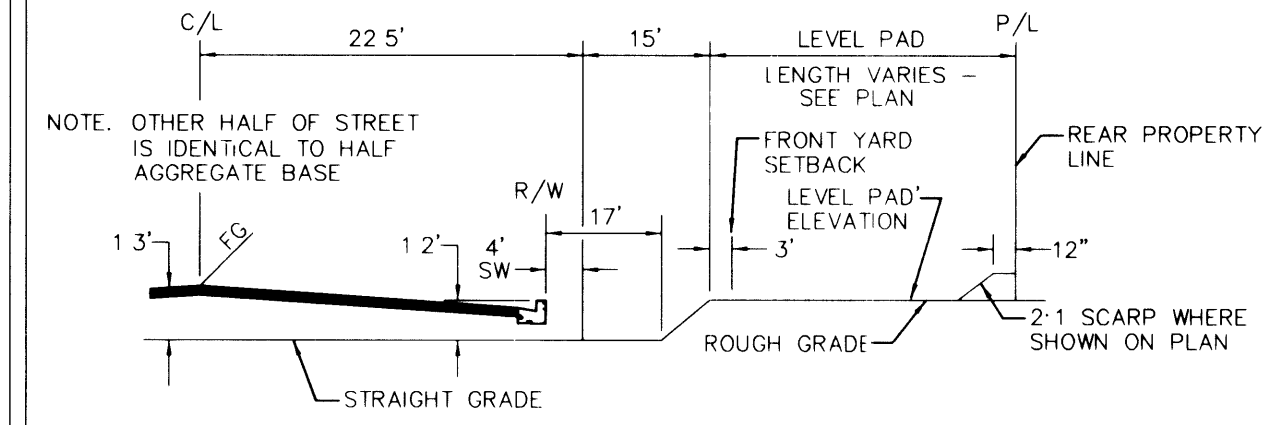
RETAINING WALL CONVERSION TABLE	
Δ1	0.67'
Δ2	1.33'
Δ3	2.00'
Δ4	2.67'
Δ5	3.33'
Δ6	4.00'
Δ7	4.67'
Δ8	5.34'

NOTE:
ALL ON-SITE STREETS ARE PUBLIC STREETS AND PUBLIC UTILITY EASEMENTS.

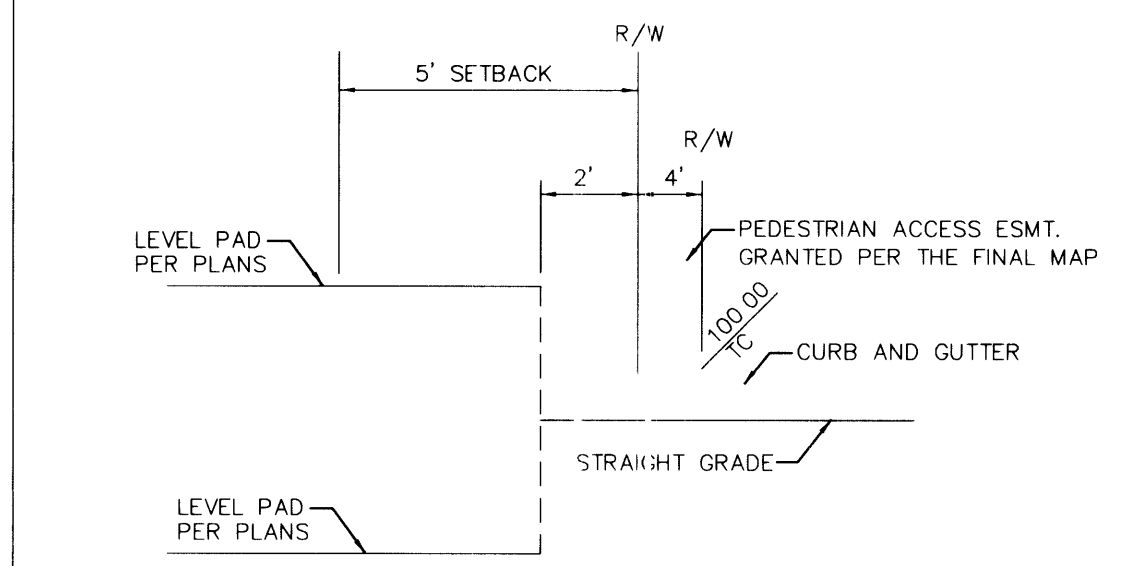
KEYMAP
NOT TO SCALE



3 GR1 TYPICAL DRIVEWAY DETAIL ON NON-SW SIDE



2 GR1 TYPICAL CORNER LOT W/ 4' SIDEWALK



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 ENVIRONMENTAL SAFETY SERVICES DEPARTMENT

KB HOME NEVADA, INC.
7560 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL # (702) 614-2500

GRADING PLAN

GOLDRUSH III UNIT-1
CITY OF LAS VEGAS, NEVADA

SHEET **GR1**
5 OF 23
DRAWING NO. 1074-4648-3-1
PROJECT # 5142

QUALITY CONTROL BY: E. HIGGINS
DESIGNED BY: E. HIGGINS
DRAWING BY: E. HIGGINS
CHECKED BY: E. HIGGINS
PROJECT NO. KAB007-2767

SEAL
JOSEPH D. THOMASON, P.E.
REGISTERED PROFESSIONAL ENGINEER - STATE OF NEVADA
No. 119077-MWEN

TETRA TECH, INC.
7560 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL # (702) 614-2500