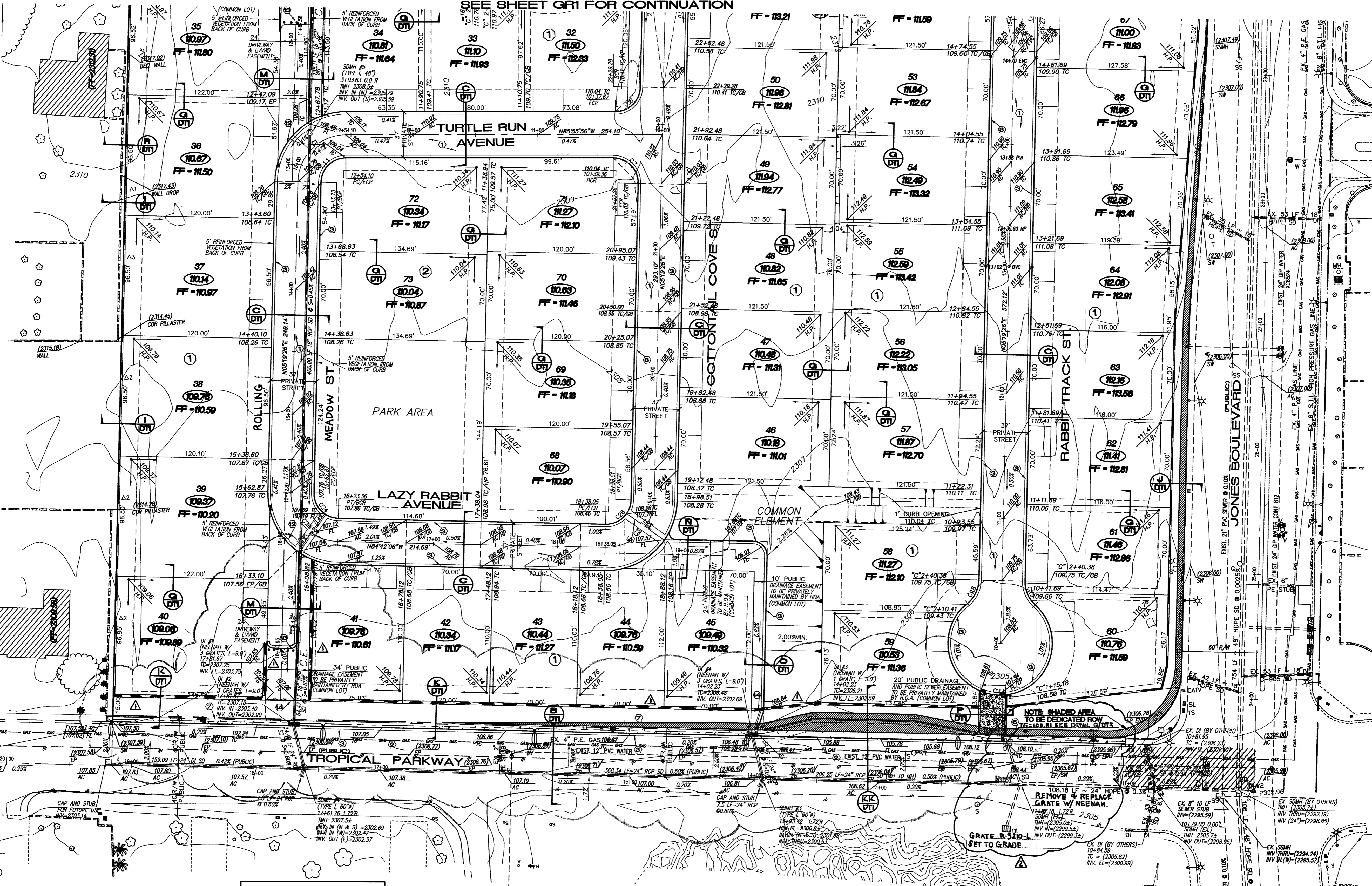


CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	187.91'	41.50'	49.96'	259°25'45"
C2	210.55'	46.50'	55.98'	259°25'45"
C3	20.79'	30.00'	10.83'	39°42'54"
C4	17.33'	25.00'	9.03'	39°42'54"
C5	20.79'	30.00'	10.83'	39°42'54"
C6	17.33'	25.00'	9.03'	39°42'54"
C7	31.85'	20.00'	20.44'	91°52'23"
C8	30.98'	20.00'	19.57'	88°44'37"
C9	30.98'	20.00'	19.57'	88°44'37"
C10	31.85'	20.00'	20.44'	91°52'23"
C11	30.98'	20.00'	19.57'	88°44'37"
C12	88.29'	57.00'	55.76'	88°44'37"
C13	9.42'	3.00'	INFINITE	180°00'00"
C14	30.98'	20.00'	19.57'	88°44'37"
C15	31.85'	20.00'	20.44'	91°52'23"
C16	30.98'	20.00'	19.57'	88°44'37"
C17	31.85'	20.00'	20.44'	91°52'23"
C18	9.42'	3.00'	INFINITE	180°00'00"
C19	9.42'	3.00'	INFINITE	180°00'00"
C20	9.42'	3.00'	INFINITE	180°00'00"
C21	38.72'	25.00'	24.46'	88°44'37"
C22	40.79'	25.00'	26.57'	93°29'17"
C23	89.56'	57.00'	57.03'	90°01'33"
C24	31.42'	20.00'	20.01'	90°01'33"
C25	88.29'	57.00'	56.97'	89°58'27"
C26	31.41'	20.00'	19.99'	89°58'27"
C27	204.61'	41.50'	33.32'	282°29'11"
C28	17.89'	20.00'	9.59'	51°14'35"
C29	17.89'	20.00'	9.59'	51°14'35"
C30	84.80'	50.00'	53.96'	89°58'27"
C31	3.30'	20.00'	1.65'	92°22'44"
C32	4.13'	25.00'	2.07'	92°24'44"
C33	4.95'	30.00'	2.48'	92°24'44"
C34	4.13'	25.00'	2.07'	92°24'44"
C35	7.35'	30.00'	3.69'	149°21'10"
C36	6.12'	25.00'	3.06'	149°21'10"
C37	4.90'	20.00'	2.46'	149°21'10"
C38	6.12'	25.00'	3.06'	149°21'10"
C39	201.57'	41.50'	35.88'	278°17'30"
C40	21.44'	25.00'	11.43'	49°08'45"
C41	21.44'	25.00'	11.43'	49°08'45"
C42	204.61'	41.50'	33.32'	282°29'11"
C43	17.89'	20.00'	9.59'	51°14'35"
C44	17.89'	20.00'	9.59'	51°14'35"
C45	40.34'	25.00'	26.02'	92°28'35"
C46	7.74'	5.00'	4.89'	88°44'37"
C47	7.96'	5.00'	5.11'	91°52'23"
C48	7.85'	5.00'	5.00'	90°00'00"
C49	7.85'	5.00'	5.00'	90°00'00"
C50	7.85'	5.00'	5.00'	90°00'00"
C51	7.85'	5.00'	5.00'	90°00'00"
C52	32.63'	20.00'	21.26'	93°29'17"
C53	30.98'	20.00'	19.57'	88°44'37"
C54	32.27'	20.00'	20.87'	92°26'36"
C55	13.17'	19.00'	6.86'	39°42'54"
C56	237.72'	52.50'	63.20'	259°25'49"
C57	13.17'	19.00'	6.86'	39°42'54"

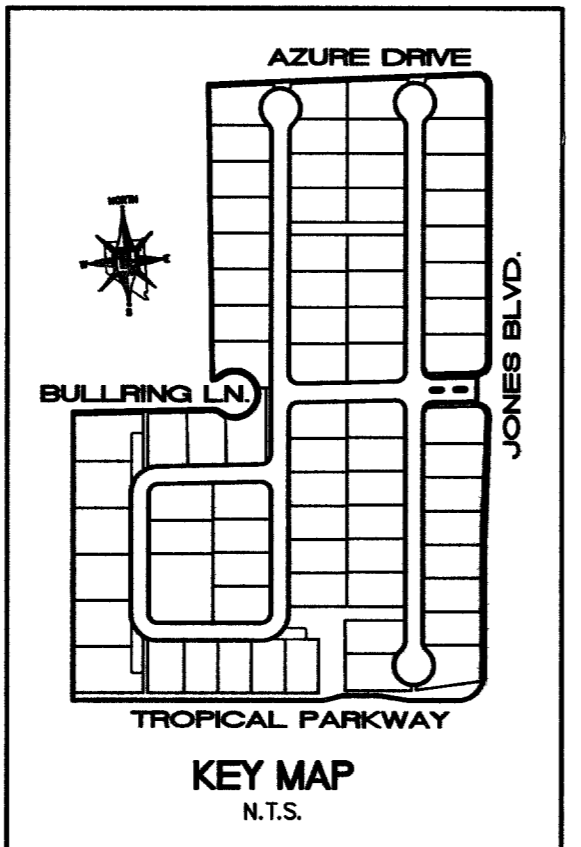


BENCHMARK
CITY OF LAS VEGAS BENCHMARK 5LV90 26C4
RIVET AND PLATE IN CONCRETE PAD (TRANSFORMER)
ON SOUTH SIDE OF TROPICAL PARKWAY +/-170 FT
WEST OF TORREY PINES
ELEVATION: 705.7667 METERS (NAVD 88)
2315.50 FEET (NAVD 88)

BASIS OF BEARINGS
NORTH 05°19'26" EAST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 26, TOWNSHIP 19 SOUTH, RANGE 16 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY A MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA IN FILE 90 OF PARCEL MAPS, AT PAGE 74.

FLOOD CONTROL QUANTITY

DESCRIPTION	QUANTITY
EARTHEN BERM	620 CY
RIPRAP (8" THK.)	45 CY
STORM DRAIN	64 LF

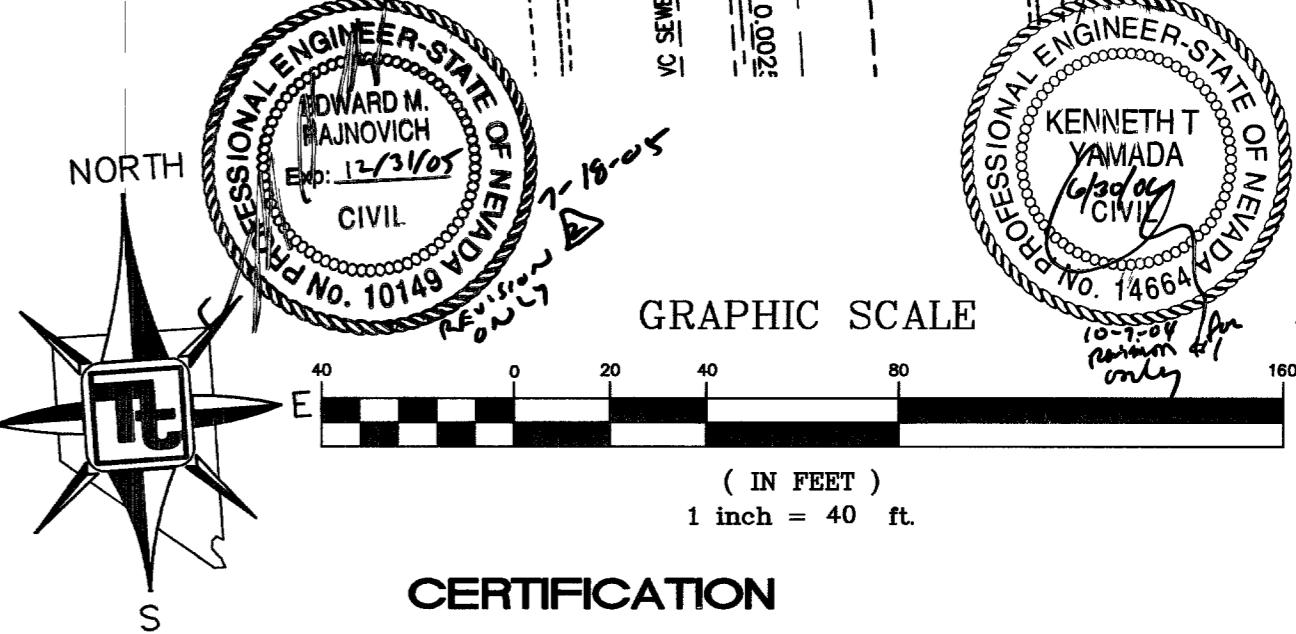


- STREET IMPROVEMENT CONSTRUCTION KEY**
- 37' PRIVATE ST. = CONSTRUCT 2" AC PAVING OVER 8.5" TYPE II BASE PER MODIFIED U.S.D.C.C.A. STANDARD DWG. NO. 210.
 - 80' PUBLIC R/W HALF STREET = 4" AC PAVING OVER 16" TYPE II BASE PER U.S.D.C.C.A. STANDARD DWG. NO. 205.
 - CONSTRUCT "L" CURB PER U.S.D.C.C.A. STANDARD DWG. NO. 216.
 - CONSTRUCT 8" WIDE CROSS GUTTER PER U.S.D.C.C.A. STANDARD DRAWING NO. 228.
 - NOT USED
 - CONSTRUCT SIDEWALK UNDER-DRAIN PER U.S.D.C.C.A. DWG. NO. 236.
 - CONSTRUCT 5" WIDE CONCRETE SIDEWALK PER U.S.D.C.C.A. STANDARD DRAWING NO. 234.
 - CONSTRUCT SIDEWALK RAMP PER U.S.D.C.C.A. DWG. NO. 235. TRANSITIONS PER RAMP DATA TABLE.
 - CONSTRUCT 8" HIGH DECORATIVE BLOCKWALL PER CLARK COUNTY STANDARDS AND SPECIFICATIONS.
 - 39' PRIVATE ST. = CONSTRUCT 2" AC PAVING OVER 4" TYPE II BASE PER U.S.D.C.C.A. STANDARD DWG. NO. 210.
 - 60' PUBLIC R/W HALF STREET = 3" AC PAVING OVER 10" TYPE II BASE PER U.S.D.C.C.A. STANDARD DWG. NO. 205.
 - CONSTRUCT DEPRESSED CURB; PER STANDARD DWG. NO. 227.
 - INSTALL REMOVABLE BOLLARDS PER DETAIL 4 SEE SHEET 21.
 - INSTALL WROUGHT IRON FENCING PER DETAIL 3 SEE SHEET 21.

- GRADING NOTES**
- 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 ELEVATION DIFFERENCE, SCARPS ARE NOT SHOWN ON PLAN FOR CLARITY PURPOSES.
 - 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 SLOPE INSTALLATIONS SHALL CONFORM TO ADA REQUIREMENTS.
 - ADD 2200' TO ALL ELEVATIONS SHOWN.

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
Δ9	6.00
Δ10	6.67
Δ11	7.33
Δ12	8.00



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. (#11907)
9/8/03
DATE

SOILS REPORT
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
7580 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL (702) 365-1001
PROJECT NUMBER:
NOTE:
ALL PRIVATE STREETS & DRIVES ARE F.U.L.E., C.V. SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.

57810 73790 81777
Call before you dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

US HOME CORPORATION
3785 E. SUNSET ROAD, SUITE B-1
LAS VEGAS, NEVADA
(702) 458-7700

TETRA TECH, INC.
INTEGRATED SURVEY GROUP
401 N. BUFFALO DR. SUITE 100, LAS VEGAS, NEVADA 89145
(702) 242-4500

GRADING PLAN
AZURE / JONES
CITY OF LAS VEGAS, NEVADA

QUALITY CONTROL BY: [Signature]
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
PROJECT NO. P10027-0004

SEAL
EDWARD M. RAJNOVIC
No. 10149
CIVIL
KENNETH YAMADA
No. 14664
CIVIL

SEAL
JOSEPH D. THOMASON
No. 11907
CIVIL

8/19/03

SHEET 8 OF 22
DRAWING NO. 10744774