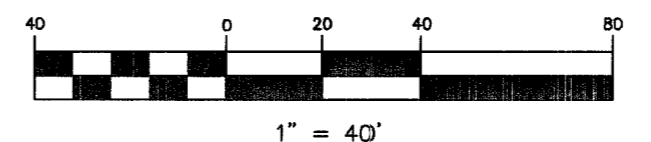


SIDEWALK RAMP DATA
PER STD. DWG 235

A	B	TYPE
8'	8'	I
21.5'	4.5'	I



RETAINING WALL HEIGHT

RET. WALL HEIGHT (# COURSES)	PAD DIFFERENCE
1" (1 crs)	4-7
2" (2 crs)	.71-83
3" (3 crs)	.84-1.5
4" (4 crs)	1.51-2.17
5" (5 crs)	2.18-2.83
6" (6 crs)	2.84-3.5
7" (7 crs)	3.51-4.17
8" (8 crs)	4.18-4.83
9" (9 crs)	4.84-5.5
10" (10 crs)	5.51-6.17
11" (11 crs)	6.18-6.83

DRAINAGE IMPROVEMENT QUANTITIES

9" DROP INLET	1 EA
18" RCP STORM DRAIN	50 LF
6x3 RCB STORM DRAIN	191 LF
STAMPED CONCRETE	158 CY
24" RCP STORM DRAIN	455 LF
30" RCP STORM DRAIN	393 LF

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	39.27	25.00	25.00	90°00'00"
C2	31.42	20.00	20.00	90°00'00"
C3	22.33	50.00	11.35	25°34'59"
C4	127.68	52.00	145.56	140°40'59"
C5	22.33	50.00	11.35	25°34'59"
C6	54.68	35.00	34.71	89°31'01"
C7	54.98	35.00	35.00	90°00'00"
C8	22.33	50.00	11.35	25°34'59"
C9	128.12	52.00	147.52	141°09'58"
C10	22.33	50.00	11.35	25°34'59"
C11	31.42	20.00	20.00	90°00'00"
C12	31.42	20.00	20.00	90°00'00"
C13	41.63	45.00	22.44	53°00'00"
C14	75.85	82.00	40.88	53°00'00"
C15	12.92	20.00	6.69	37°00'00"
C16	36.81	57.00	19.07	37°00'00"
C17	7.85	5.00	5.00	90°00'00"
C18	7.85	5.00	5.00	90°00'00"
C19	31.25	20.00	19.83	89°31'01"
C20	31.58	20.00	20.17	90°28'59"
C21	31.25	20.00	19.83	89°31'01"
C22	31.58	20.00	20.17	90°28'59"
C23	31.42	20.00	20.00	90°00'00"
C24	39.27	25.00	25.00	90°00'00"
C25	106.51	52.00	85.45	117°21'20"
C26	23.45	50.00	11.95	26°52'21"
C27	100.12	5987.00	50.06	0°57'29"
C28	99.88	5973.00	49.94	0°57'29"
C29	47.38	30.00	30.25	90°28'59"
C30	125.79	2507.00	62.91	2°52'29"
C31	125.08	2493.00	62.56	2°52'29"
C32	123.63	2464.00	61.83	2°52'29"
C33	9.42	3.00	---	180°00'00"
C34	9.42	3.00	---	180°00'00"

BASIS OF BEARING
THE BASIS OF BEARINGS FOR THIS SURVEY IS NORTH 00°56'30" EAST, BEING THE EAST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 21, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 119 OF SURVEYS AT PAGE 02, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL POINT "BLV90 21C4", BEING A RIVET AND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF DEER SPRINGS AND CIMARRON
ELEVATION: 2450.82 (FEET)
747.0101 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL v.2002 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

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

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

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

- LEGEND**
- PROPERTY LINE / RIGHT-OF-WAY
 - "L" TYPE CURB AND GUTTER
 - "A" TYPE CURB
 - EXISTING CURB AND GUTTER
 - PROPOSED WATER LINE (SIZE AS SHOWN)
 - PROPOSED SEWER LINE (SIZE AS SHOWN)
 - EXISTING UTILITY (AS SHOWN)
 - CROSS GUTTER
 - WHEELCHAIR RAMP
 - CUT OR FILL SLOPE
 - PROPOSED PAVEMENT AREA
 - PROPOSED ELEVATION (DESCRIPTION AS SHOWN)
 - EXISTING ELEVATION (DESCRIPTION AS SHOWN)
 - FUTURE DESIGN ELEVATION (DESCRIPTION AS SHOWN)
 - LOT NUMBER
 - PAD ELEVATION
 - FINISHED FLOOR ELEVATION
 - EXISTING PAVEMENT TO BE REMOVED AND REPLACED
 - PHASE LINE
 - SIGHT VISIBILITY RESTRICTION ZONES PER STD. DWG. 2011 (NOTHING OVER 24" IN HEIGHT ALLOWED IN SVZ EXCEPT TRAFFIC CONTROL DEVICES)
 - 6" SCREEN WALL
 - STEM WALL
 - RETAINING WALL

- CONSTRUCTION NOTES**
- CONSTRUCT "L" TYPE CURB AND GUTTER PER CCASD 216
 - CONSTRUCT "A" TYPE ISLAND CURB PER CCASD 219
 - CONSTRUCT CROSS GUTTER PER CCASD 228
 - CONSTRUCT 5" SIDEWALK PER CCASD 234
 - CONSTRUCT SIDEWALK UNDERDRAIN PER CCASD 236
 - CONSTRUCT SIDEWALK RAMP PER CCASD 235 SEE TABLE FOR LENGTHS
 - CONSTRUCT DEPRESSED CURB PER CCASD 227
 - SAWCUT AND MATCH EXISTING
 - CONSTRUCT 9" DROP INLET PER DETAIL SHEET D2 INV = 4.78, DEPTH = 4.00"
 - CONSTRUCT 9" DROP INLET PER DETAIL SHEET D2 INV = 48.23, DEPTH = 4.00"
 - CONSTRUCT 3" DROP INLET PER DETAIL SHEET D2 INV = 50.07, DEPTH = 4.50"
 - CONSTRUCT FENCE PER DETAIL SHEET D3
 - CONSTRUCT REMOVABLE BOLLARDS PER DETAIL SHEET D4 CITY OF LAS VEGAS STANDARDS

NOTE:
ADD 2400 TO ALL ELEVATIONS
ALL COMMON LOTS AND LANDSCAPED AREAS TO BE PRIVATELY MAINTAINED

CERTIFICATION
I HEREBY CERTIFY THAT THE GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS FOR THIS PROJECT. (DS# 3691)
JOSEPH D. THOMSON, P.E. NO. 11097
DATE: 8-22-05

001.04016
SCALE: 1" = 40'
PROJECT NO. 001.04016
REV. DATE BY

THOMASON CONSULTING ENGINEERS
3161 E. WARM SPRINGS ROAD, SUITE 200
LAS VEGAS, NEVADA 89120
702-932-6129
702-932-6125

RICHMOND AMERICAN HOMES
CIMARRON / US-95
GRADING PLAN

8-22-05
SHEET **G1**
5 OF 23
DRAWING NO. 1574865

79147 83406 88778 89566