



**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 NUMBER 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. DMC. 201.1 (NOTHING OVER 24" IN HEIGHT ALLOWED IN SVZ EXCEPT TRAFFIC CONTROL DEVICES)
- 6" SCREEN WALL
- STEM WALL
- RETAINING WALL

**RETAINING WALL HEIGHT**

PAD DIFFERENCE	RET. WALL HEIGHT (# COURSES)
Δ1	4'-7" 8" (1 crs)
Δ2	7'-11" 14" (2 crs)
Δ3	8'-4" 15" 2" (3 crs)
Δ4	1'-5" 2'-17" 2'8" (4 crs)
Δ5	2'-18" 2'-83" 3'4" (5 crs)
Δ6	2'-84" 3'-5" 4" (6 crs)
Δ7	3'-51" 4'-17" 4'8" (7 crs)
Δ8	4'-18" 4'-83" 5'4" (8 crs)
Δ9	4'-84" 5'-5" 6" (9 crs)
Δ10	5'-51" 6'-17" 6'8" (10 crs)
Δ11	6'-18" 6'-83" 7'4" (11 crs)

**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	54.66	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	3.00	90°00'00"
C18	7.85	5.00	5.00	90°00'00"
C19	31.25	20.00	19.83	90°00'00"
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	100.51	52.00	85.45	117°21'20"
C26	23.45	50.00	11.95	25°22'11"
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	125.78	2507.00	62.91	2°52'29"
C31	125.08	2493.00	62.56	2°52'29"
C32	123.63	2464.00	61.85	2°52'29"
C33	9.42	3.00	---	180°00'00"
C34	9.42	3.00	---	180°00'00"

**SIDEWALK RAMP DATA**  
PER STD. DMC. 235

	A	B	TYPE
A	8'	8'	I
B	9.5'	4.5'	I
C	4.5'	9.5'	I

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

- 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 = 47.89, 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 D2
  - CONSTRUCT REMOVABLE BOLLARDS PER DETAIL SHEET D4 CITY OF LAS VEGAS STANDARDS

**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. THOMASON, P.E. NO. 11907  
DATE 9/14/05

**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 "8190 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) 105252  
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  
Call before you Overhead  
1-702-593-6111  
Understand the Call  
1-702-227-8811

THOMASON CONSULTING ENGINEERS  
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RICHMOND AMERICAN HOMES  
CIMARRON / US-95  
GRADING PLAN

JOSEPH D. THOMASON  
CIVIL ENGINEER - STATE LICENSE NO. 11907  
DATE 9.14.05

SHEET G2 OF 23  
DRAWING NO. 1074865