

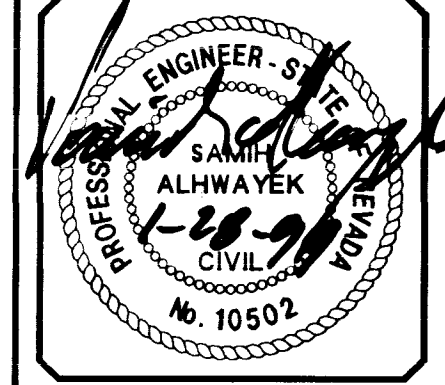
NO.	DESCRIPTION	DATE
1	PREPARED CUL DE SAC ISLAND / CURVE DATA	1/20/99
2		AP/00

MOUNTAIN SPA RESIDENTIAL DEVELOPMENT, LLC.
 2810 WEST CHARLESTON BLVD., SUITE F-58
 LAS VEGAS, NV. 89102
 (702) 870-1234

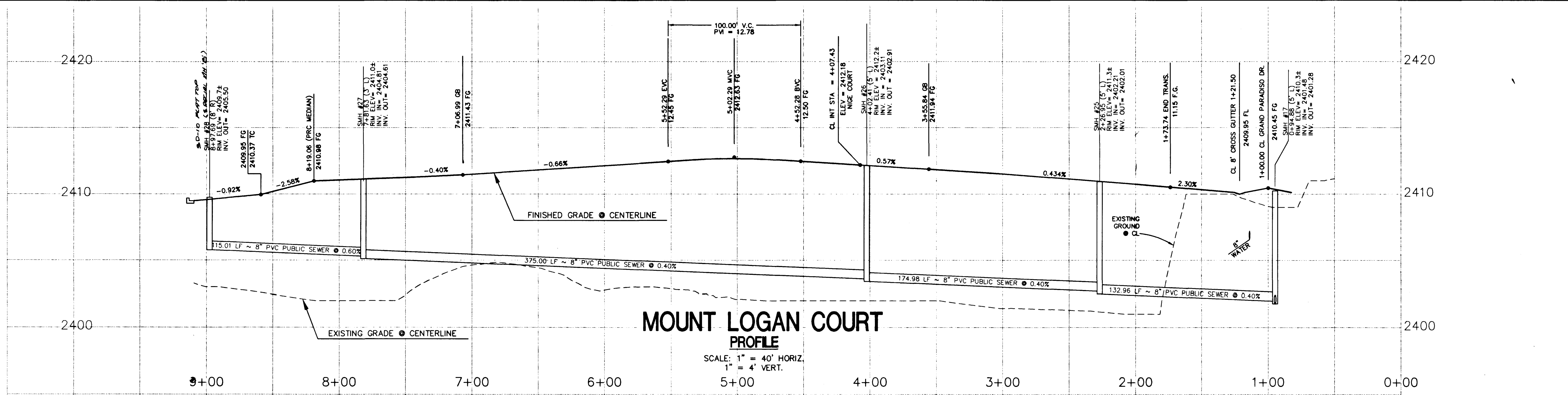
PENTACORE
 CIVIL ENGINEERING - LAND SURVEYING - PLANNING
 CONSTRUCTION MANAGEMENT - ADA CONSULTING
 LAS VEGAS, NEVADA 89108 (702) 258-0015

MOUNTAIN SPA
 UNIT NO. 1

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 ADA CHECKED: _____
 JOB NO.: 01560002
 SCALE: 1" = 40'



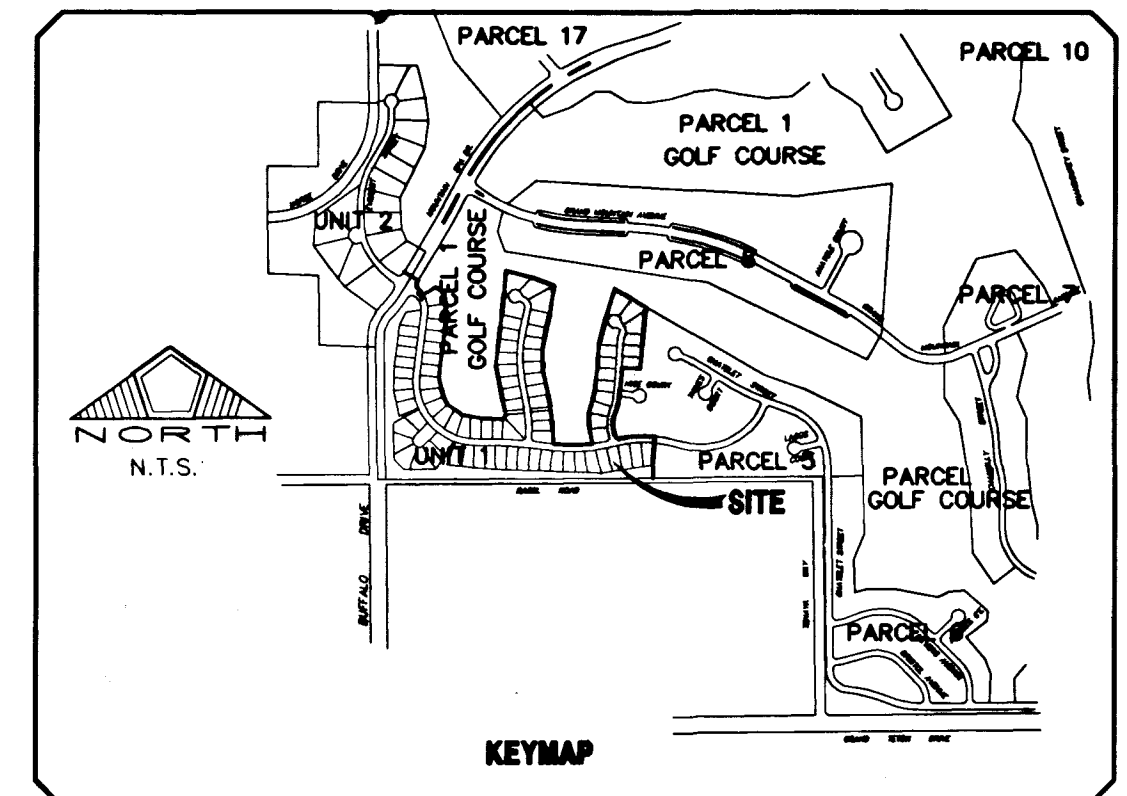
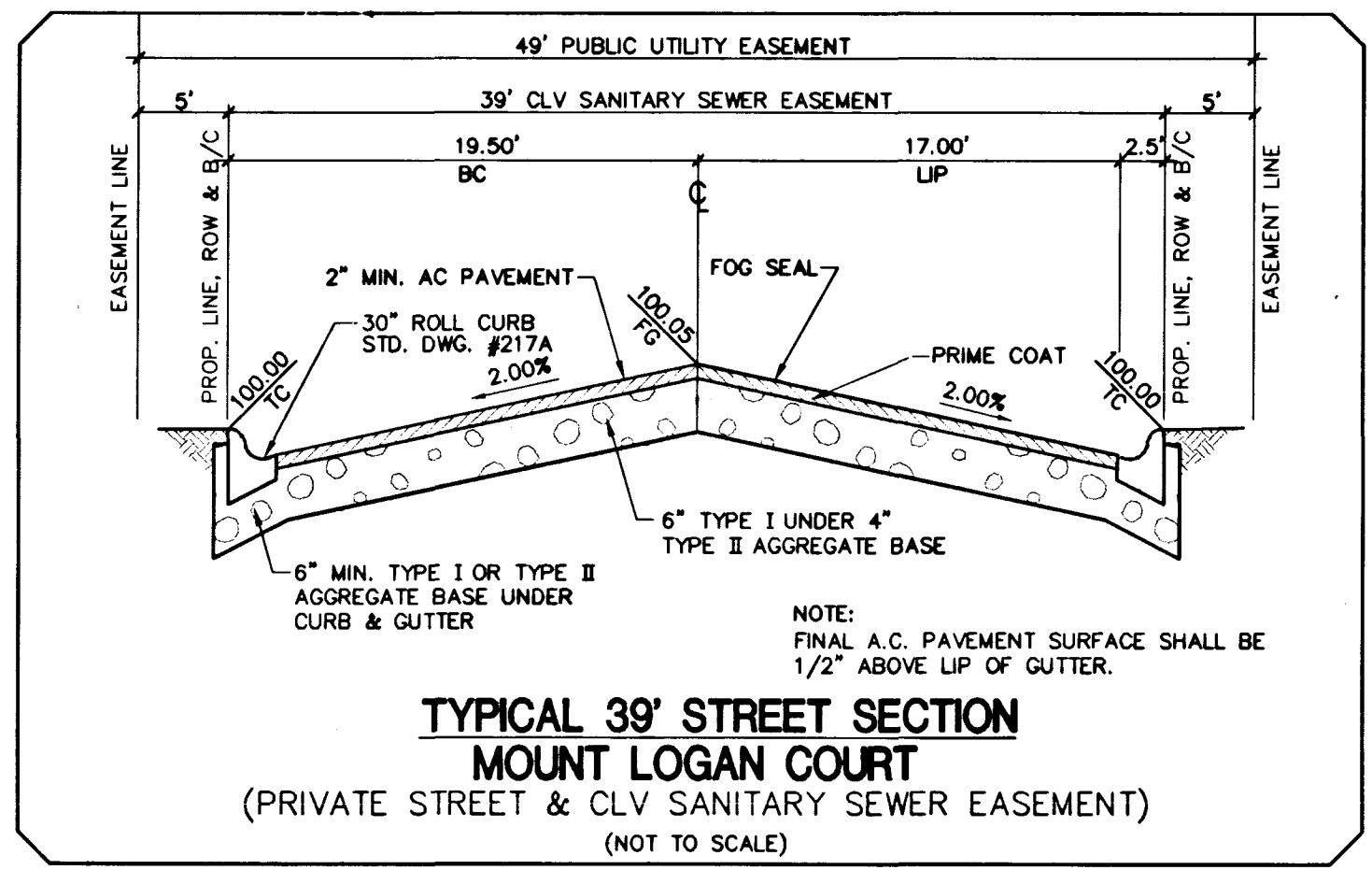
SHEET **16** OF 29
 C.L.V. DWG #



MOUNT LOGAN COURT PROFILE
 SCALE: 1" = 40' HORIZ.
 1" = 4' VERT.

- NOTES**
- ALL STATIONING IS CENTERLINE STATIONING UNLESS OTHERWISE NOTED.
 - ALL SEWER LENGTHS ARE FROM MANHOLE CENTER TO MANHOLE CENTER.
 - CROSS GUTTERS WITH A GRADE OF ONE PERCENT (1%) OR LESS SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER DRAINAGE ACROSS ALL CROSS GUTTERS.

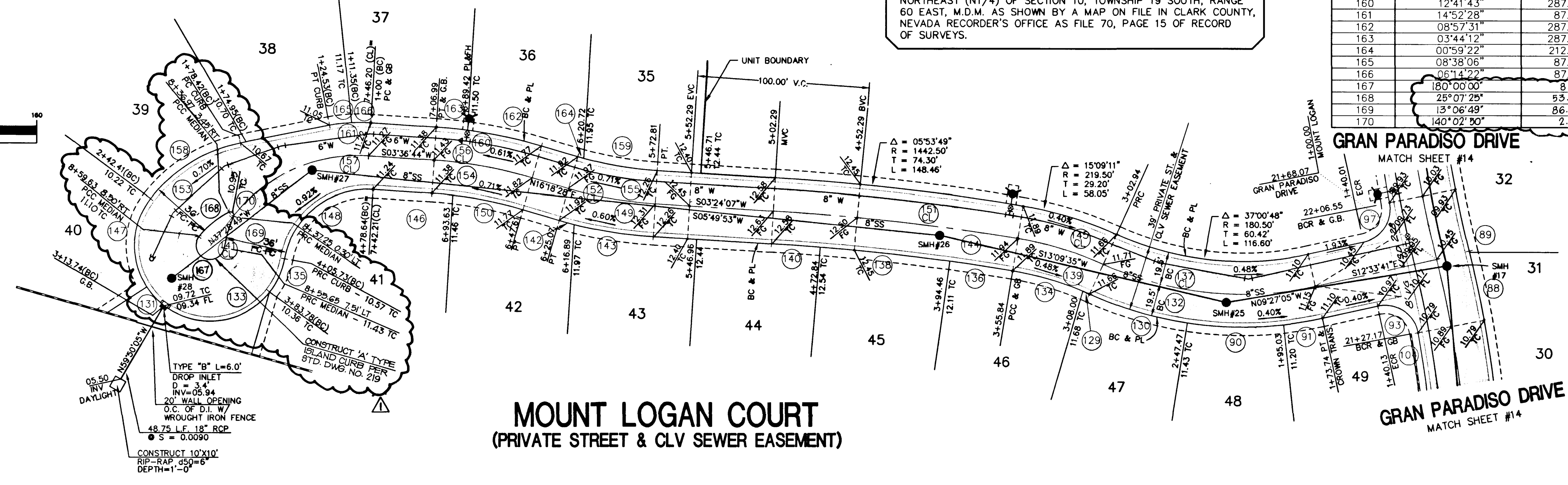
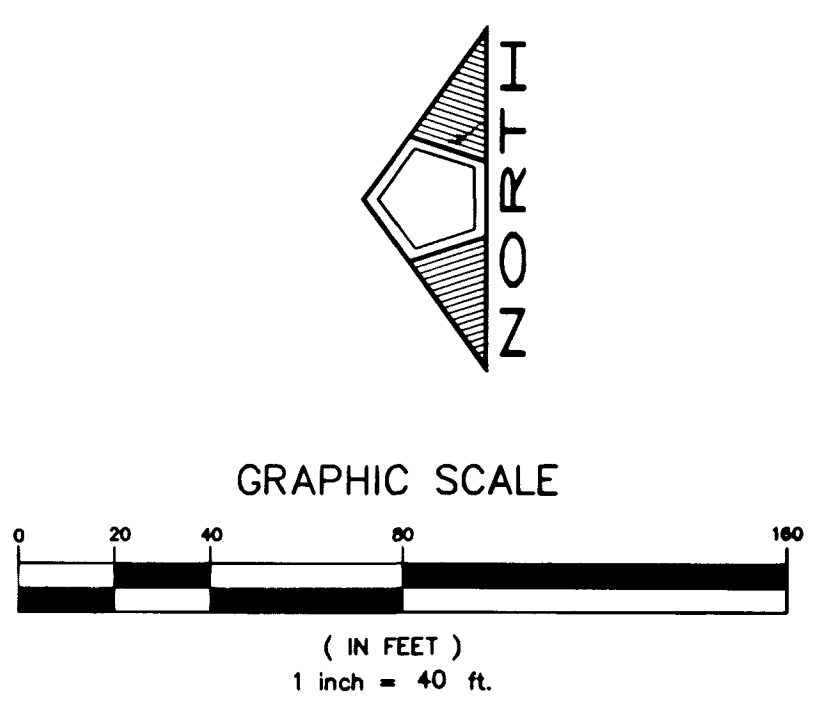
TYPICAL WATER/SEWER CROSSING
 THE FOLLOWING ARE THE REQUIREMENTS THAT MUST BE MET WHEN THERE IS A WATER-SEWER CROSSING.
 WHEN PROTECTION OF THE WATERLINE IS CONSIDERED, A MINIMUM VERTICAL DISTANCE OF 18 INCHES MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SEWER/STORM LINE. IF THIS DISTANCE CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS OR THE WATERLINE MUST BE PLACED UNDER THE SEWER/STORM LINE, THE SEWER/STORM LINE MUST BE ENCASED WITH A MINIMUM OF 4" OF CONCRETE AROUND THE TOTAL PERIMETER OF THE PIPE.
 THE ENCASEMENT MUST EXTEND FOR 10 FEET ON EACH SIDE OF THE WATERLINE AT 90 DEGREES TO THE CROSSING.



BENCHMARK
 BLM BRASS CAP #41, RAINBOW BLVD. & HORSE DRIVE.
 STA. 1LV90/11W4, ELEV. = 2396.994' (NGVD29) USED
 (ADD 2.41 FEET TO ALL ELEVATIONS TO CONVERT TO NAVD 88 DATUM)

BASIS OF BEARING
 SOUTH 00°37'59" EAST, BEARING OF THE EAST LINE OF THE NORTHEAST (N1/4) OF SECTION 10, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. AS SHOWN BY A MAP ON FILE IN CLARK COUNTY, NEVADA RECORDER'S OFFICE AS FILE 70, PAGE 15 OF RECORD OF SURVEYS.

CURVE	DELTA	RADIUS	LENGTH	TANGENT
88	06°51'47"	680.00'	81.45'	40.77'
89	00°03'57"	680.00'	0.78'	0.39'
90	15°01'19"	219.50'	57.55'	28.94'
91	06°05'55"	219.50'	23.36'	11.69'
92	92°00'06"	20.00'	32.11'	20.71'
93	88°31'59"	20.00'	30.90'	19.49'
94	04°07'54"	640.00'	23.08'	46.15'
95	01°23'15"	180.50'	4.37'	2.19'
96	15°53'33"	219.50'	60.88'	30.64'
97	180°00'00"	45.00'	141.37'	---
98	37°00'47"	219.50'	141.80'	73.47'
99	207°56'33"	45.00'	163.32'	---
100	13°45'56"	180.50'	43.37'	21.79'
101	27°56'33"	45.00'	21.95'	11.20'
102	01°33'18"	1403.50'	38.09'	19.05'
103	37°00'47"	200.00'	129.20'	66.94'
104	03°09'22"	1403.50'	77.31'	38.67'
105	15°09'11"	180.50'	47.74'	24.01'
106	01°11'08"	1403.50'	29.04'	14.52'
107	14°15'18"	45.00'	11.20'	5.63'
108	02°05'12"	251.50'	9.16'	4.58'
109	10°49'08"	251.50'	47.49'	23.82'
110	05°53'49"	1403.50'	144.45'	72.29'
111	15°09'11"	200.00'	52.89'	26.60'
112	02°52'33"	248.50'	12.47'	6.24'
113	22°07'41"	90.00'	34.76'	17.60'
114	83°33'08"	50.00'	72.91'	44.67'
115	12°54'21"	251.50'	56.65'	28.45'
116	09°49'10"	248.50'	42.59'	21.35'
117	05°53'49"	1423.00'	146.46'	73.29'
118	12°54'21"	232.00'	52.26'	26.24'
119	40°44'07"	90.00'	63.99'	33.41'
120	12°41'43"	248.50'	55.06'	27.64'
121	12°54'21"	212.50'	47.87'	24.03'
122	12°41'43"	268.00'	59.38'	29.81'
123	41°21'17"	68.00'	49.08'	25.66'
124	40°44'07"	90.00'	63.99'	33.41'
125	11°54'59"	212.50'	44.20'	22.18'
126	12°41'43"	287.50'	63.70'	31.98'
127	14°52'28"	87.50'	22.72'	11.42'
128	08°57'31"	287.50'	44.95'	22.52'
129	03°44'12"	287.50'	18.75'	9.38'
130	00°59'22"	212.50'	3.67'	1.83'
131	08°38'06"	87.50'	13.19'	6.61'
132	06°14'22"	87.50'	9.53'	4.77'
133	180°00'00"	8.50'	27.70'	---
134	25°07'25"	53.50'	23.46'	11.92'
135	13°06'49"	86.50'	19.80'	9.94'
136	140°02'50"	2.00'	4.89'	5.50'



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

Call before you OVERHEAD.
 1-702-593-6111
 NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

14009 17535

107Y-4344-1

