

BENCHMARKS:
 BM #1: Benchmark on top of north 48" headwall in Reserve "B" between Lots 18-19, Block B, Falcon Falls 3rd Addition. Elev. = 1349.35 NGVD29

BM #2: Benchmark on top of north 48" headwall in Reserve "C" north of the NE corner of Lots 30, Block C, Falcon Falls 3rd Addition. Elev. = 1343.63 NGVD29

For radii under 300', contractor shall use short pipe lengths.

Curve #2
 Curve Data Based on Waterline
 Rad. = 173' Delta = 53° 01' 43" Tangent = 86.31'
 Arc = 160.12' L.C. = 154.46' Def./Ft. = 9.93541 Min.

Station	Arc	Chord Lengths	Defl.	Total Defl.
0+51.41	-	-	0° 00' 00"	0° 00' 00"
0+75.00	23.59'	24.39'	3° 54' 23"	3° 54' 23"
0+78.08	3.08'	3.19'	0° 30' 36"	4° 24' 59"
1+00.00	21.92'	22.66'	3° 37' 47"	8° 02' 46"
1+25.00	25.00'	25.84'	4° 08' 23"	12° 11' 09"
1+32.98	7.98'	8.26'	1° 19' 17"	13° 30' 26"
1+50.00	17.02'	17.60'	2° 49' 06"	16° 19' 32"
1+75.00	25.00'	25.84'	4° 08' 23"	20° 27' 55"
2+00.00	25.00'	25.84'	4° 08' 23"	24° 36' 18"
2+11.53	11.53'	11.93'	1° 54' 34"	26° 30' 52"

Curve #3
 Curve Data Based on Waterline
 Rad. = 173' Delta = 76° 01' 27" Tangent = 135.22'
 Arc = 229.55' L.C. = 213.08' Def./Ft. = 9.93563 Min.

Station	Arc	Chord Lengths	Defl.	Total Defl.
2+37.64	-	-	0° 00' 00"	0° 00' 00"
2+50.00	12.36'	12.79'	2° 02' 48"	2° 02' 48"
2+75.00	25.00'	25.84'	4° 08' 24"	6° 11' 12"
3+00.00	25.00'	25.84'	4° 08' 23"	10° 19' 35"
3+25.00	25.00'	25.84'	4° 08' 24"	14° 27' 59"
3+50.00	25.00'	25.84'	4° 08' 23"	18° 36' 22"
3+75.00	25.00'	25.84'	4° 08' 24"	22° 44' 46"
4+00.00	25.00'	25.84'	4° 08' 23"	26° 53' 09"
4+25.00	25.00'	25.84'	4° 08' 23"	31° 01' 32"
4+50.00	25.00'	25.84'	4° 08' 24"	35° 09' 56"
4+67.19	17.19'	17.78'	2° 50' 48"	38° 00' 44"

