

BENCHMARKS:

BM #1: "□" with cross on curb inlet near the SE corner of Lot 8, Block 4, Cheryl's Hollow 2nd Addition.
Elev. = 1364.97 (NAVD 88).

BM #2: "□" with cross on curb inlet near the SE corner of Lot 9, Block 10, Cheryl's Hollow 2nd Addition.
Elev. = 1363.50 (NAVD 88).

Curve #5				
Curve Data Based on Waterline				
Rad. = 181.9' Delta = 48°28'21" Tangent = 81.89'				
Arc = 153.89' L.C. = 149.34' Def./Ft. = 9.44944 Min.				
Chord Lengths	Arc	8' Left	Defl.	Total Defl.
10+49.31	-	-	0°00'00"	0°00'00"
10+75.00	25.69'	26.80'	4°02'45"	4°02'45"
11+00.00	25.00'	26.08'	3°56'15"	7°59'00"
11+25.00	25.00'	26.08'	3°56'14"	11°55'14"
11+50.00	25.00'	26.08'	3°56'14"	15°51'28"
11+75.00	25.00'	26.08'	3°56'14"	19°47'42"
12+00.00	25.00'	26.08'	3°56'14"	23°43'56"
12+03.20	3.20'	3.34'	0°30'14"	24°14'10"

Pipe layout is shown to be circular for radii under 300'. Contractor may use short pipe lengths, high deflection couplers, and manufacturer recommended pipe deflections and pipe bending to meet planned alignment.

