

**BENCHMARKS:**

BM #1: "□" on top of SW curb  
Bolin Drive, SE corner of Lot 40,  
Block D, Blue Lake Addition  
Elev. = 102.10 (City Datum)

BM #2: "□" on top of east curb  
of bulb of Sabin Ct., SW corner of  
Lot 58, Block D, Blue Lake Addition  
Elev. = 105.61 (City Datum)

BM #3: "□" on top of south curb  
of bulb of Sabin Ct., NW corner of  
Lot 51, Block D, Blue Lake Addition  
Elev. = 102.30 (City Datum)

Trees in conflict with water line  
construction to be removed by  
contractor. To be paid for as lump  
sum bid item "Site Clearing"

All other trees shall remain and be  
protected from damage during  
construction. Overhanging limbs shall  
be trimmed by the Contractor using a  
chain saw only as necessary for  
construction and with approval of the  
Engineer. Cost of tree trimming to be  
included in bid item "Site Clearing"

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

Curve #2				
Curve Data Based on Waterline				
Rad. = 156' Delta = 89°07'59" Tangent = 153.66'				
Arc = 242.69' L.C. = 218.94' Def./Ft. = 11.01814 Min.				
Station	Arc	Chord Lengths	Defl.	Total Defl.
		6' Right		
8+42.37	-	-	0°00'00"	0°00'00"
8+50.00	7.63'	7.34'	1°24'04"	1°24'04"
8+75.00	25.00'	24.01'	4°35'27"	5°59'31"
9+00.00	25.00'	24.01'	4°35'28"	10°34'59"
9+25.00	25.00'	24.01'	4°35'27"	15°10'26"
9+50.00	25.00'	24.01'	4°35'27"	19°45'53"
9+75.00	25.00'	24.01'	4°35'27"	24°21'20"
10+00.00	25.00'	24.01'	4°35'27"	28°56'47"
10+25.00	25.00'	24.01'	4°35'28"	33°32'15"
10+50.00	25.00'	24.01'	4°35'27"	38°07'42"
10+75.00	25.00'	24.01'	4°35'27"	42°43'09"
10+85.06	10.06'	9.67'	1°50'51"	44°34'00"

