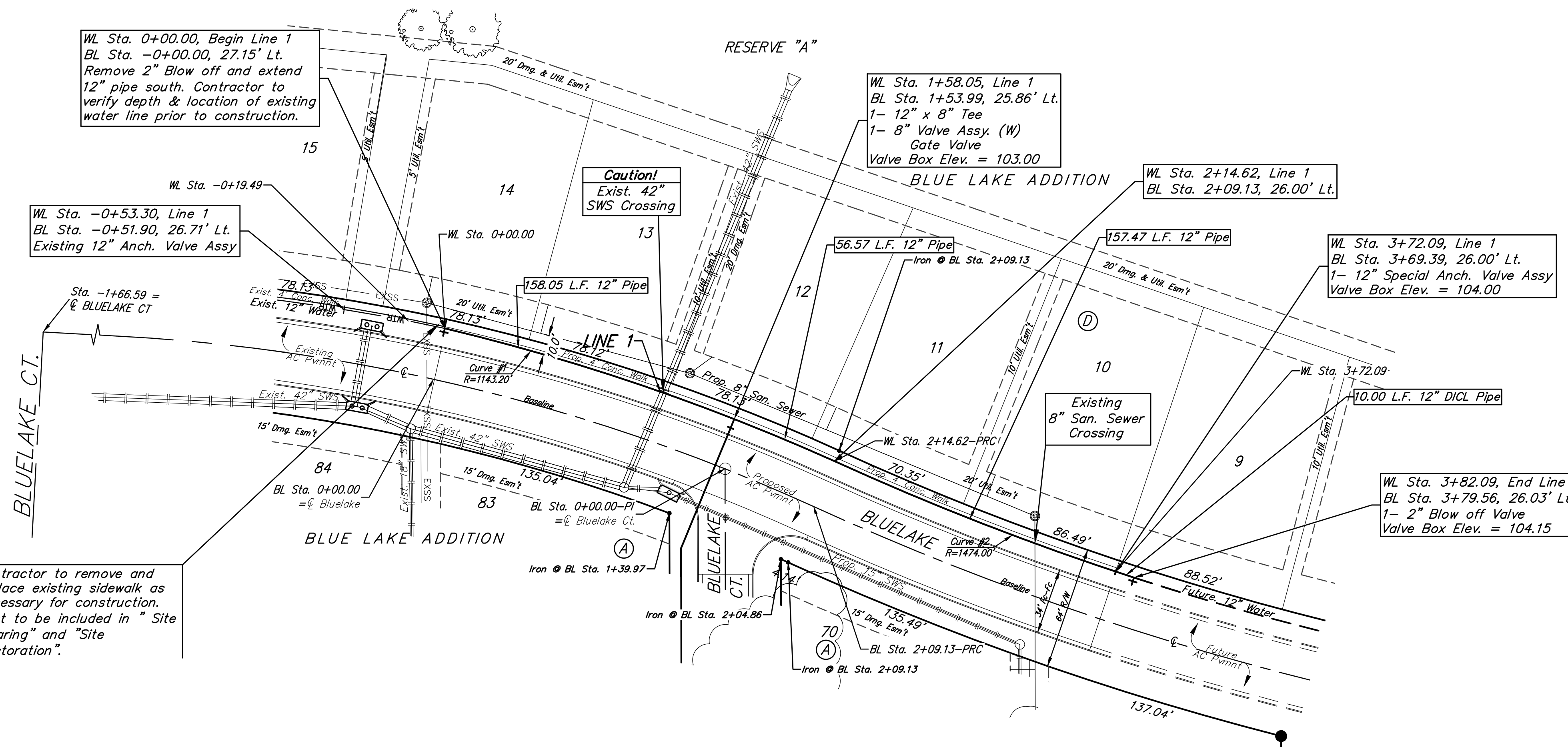
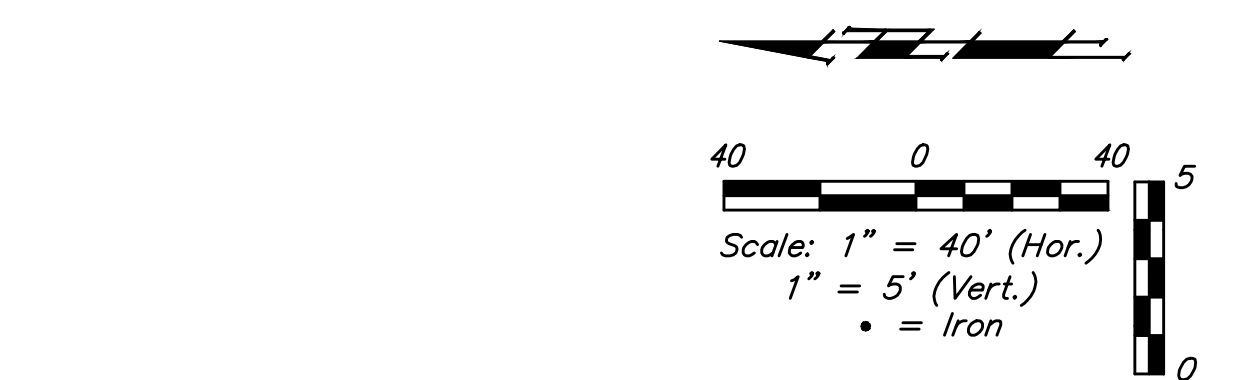


BENCHMARKS:
 BM #1: "□" on top of South curb Bluelake Ct, Northwest corner of Lot 84, Block A, Blue Lake Addition. Elev. = 103.10 (City Datum)
 BM #2: "□" Centerline face of Catch Basin, East Curb Lot 84, Block A, Blue Lake Addition. Elev. = 101.95 (City Datum)



Contractor to remove and replace existing sidewalk as necessary for construction. Cost to be included in "Site Clearing" and "Site Restoration".

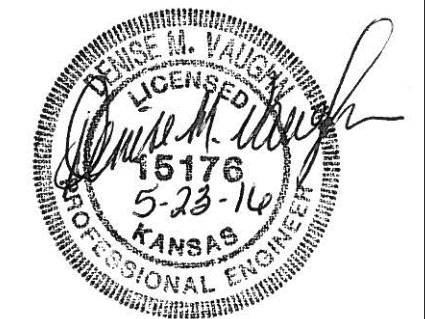
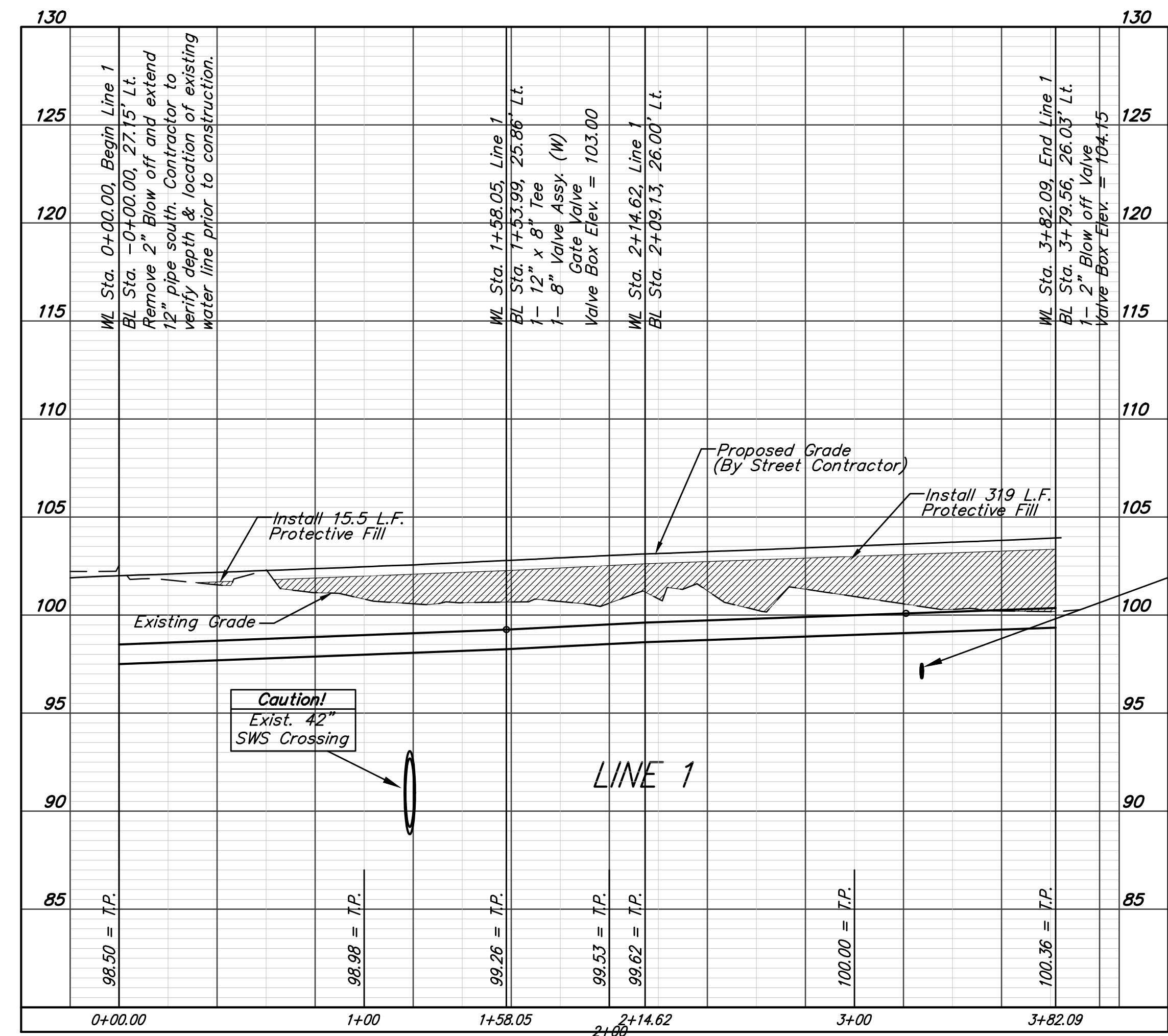


Curve #1
 Curve Data Based on Centerline of Pipe
 Rad. = 1143.203' Delta = 10°45'23" Tangent = 107.63'
 Arc = 214.62' L.C. = 214.30' Def./Ft. = 1.50355 Min.

Station	Chord			
	Arc	8' Left	Defl.	Total Defl.
0+00.00	-	-	0°00'00"	0°00'00"
0+25.00	25.00'	25.83'	0°37'35"	0°37'35"
0+50.00	25.00'	25.83'	0°37'36"	1°15'11"
0+75.00	25.00'	25.83'	0°37'35"	1°52'46"
1+00.00	25.00'	25.83'	0°37'35"	2°30'21"
1+25.00	25.00'	25.83'	0°37'36"	3°07'57"
1+50.00	25.00'	25.83'	0°37'35"	3°45'32"
1+75.00	25.00'	25.83'	0°37'35"	4°23'07"
2+00.00	25.00'	25.83'	0°37'36"	5°00'43"
2+14.62	14.62'	15.11'	0°21'59"	5°22'42"

Curve #2
 Curve Data Based on Centerline of Pipe
 Rad. = 1474' Delta = 6°07'17" Tangent = 78.81'
 Arc = 157.47' L.C. = 157.40' Def./Ft. = 1.16620 Min.

Station	Chord			
	Arc	8' Left	Defl.	Total Defl.
2+14.62	-	-	0°00'00"	0°00'00"
2+25.00	10.38'	10.65'	0°12'06"	0°12'06"
2+50.00	25.00'	25.65'	0°29'10"	0°41'16"
2+75.00	25.00'	25.65'	0°29'09"	1°10'25"
3+00.00	25.00'	25.65'	0°29'09"	1°39'34"
3+25.00	25.00'	25.65'	0°29'10"	2°08'44"
3+50.00	25.00'	25.65'	0°29'09"	2°37'53"
3+72.09	22.09'	25.65'	0°25'46"	3°03'39"



Baughman Blue Lake Addition-Phase 3A
LINE 1
 Water Distribution System

PROJECT NUMBER: 448-89990
 DESIGN: DMV
 DRAWN: DJL
 APPROVED: DATE 4/16
 SCALE: Noted
 SHEET: 4 OF 14