

Curve #1				
Curve Data Based on Centerline				
Rad. = 174' Delta = 43°08'18" Tangent = 68.78'				
Arc = 131.01' L.C. = 127.93' Def./Ft. = 9.87825 Min.				
Station	Arc	6' Right	Defl.	Total Defl.
1+67.96	-	-	0'00'00"	0'00'00"
1+75.00	7.04'	7.97'	1'09'33"	1'09'33"
2+00.00	25.00'	28.28'	4'06'57"	5'16'30"
2+25.00	25.00'	28.28'	4'06'57"	9'23'27"
2+50.00	25.00'	28.28'	4'06'58"	13'30'25"
2+75.00	25.00'	28.28'	4'06'57"	17'37'22"
2+98.97	23.97'	27.12'	3'56'47"	21'34'09"


Curve #2				
Curve Data Based on Centerline				
Rad. = 526' Delta = 24°52'27" Tangent = 116.01'				
Arc = 228.36' L.C. = 226.57' Def./Ft. = 3.26776 Min.				
Station	Arc	6' Right	Defl.	Total Defl.
6+04.95	-	-	0'00'00"	0'00'00"
6+25.00	20.05'	19.17'	1'05'31"	1'05'31"
6+50.00	25.00'	23.90'	1'21'42"	2'27'13"
6+75.00	25.00'	23.90'	1'21'41"	3'48'54"
7+00.00	25.00'	23.90'	1'21'42"	5'10'36"
7+25.00	25.00'	23.90'	1'21'42"	6'32'18"
7+50.00	25.00'	23.90'	1'21'41"	7'53'59"
7+75.00	25.00'	23.90'	1'21'42"	9'15'41"
8+00.00	25.00'	23.90'	1'21'42"	10'37'23"
8+25.00	25.00'	23.90'	1'21'41"	11'59'04"
8+33.31	8.31'	7.95'	0'27'10"	12'26'14"

Curve #3				
Curve Data Based on Centerline				
Rad. = 974' Delta = 29°43'30" Tangent = 258.48'				
Arc = 65.76' L.C. = 499.66' Def./Ft. = 13.56068 Min.				
Station	Arc	6' Right	Defl.	Total Defl.
9+32.50	-	-	0'00'00"	0'00'00"
9+50.00	17.50'	13.754'	3'57'19"	3'57'19"
9+75.00	25.00'	196.32'	5'39'01"	9'36'20"
9+98.26	23.26'	182.70'	5'15'25"	14'51'45"
14+37.81	439.55'	1,967.55'	99'20'36"	114'12'21"

Curve #4				
Curve Data Based on Centerline				
Rad. = 974' Delta = 50°49'31" Tangent = 462.75'				
Arc = 470.96' L.C. = 835.95' Def./Ft. = 3.23755 Min.				
Station	Arc	6' Right	Defl.	Total Defl.
4+12.30	-	-	0'00'00"	0'00'00"
4+25.00	12.70'	23.85'	0'41'07"	0'41'07"
4+50.00	25.00'	46.94'	1'20'56"	2'02'03"
4+75.00	25.00'	46.94'	1'20'57"	3'23'00"
5+00.00	25.00'	46.94'	1'20'56"	4'43'56"
5+25.00	25.00'	46.94'	1'20'56"	6'04'52"
5+50.00	25.00'	46.94'	1'20'57"	7'25'49"
5+75.00	25.00'	46.94'	1'20'56"	8'46'45"
6+00.00	25.00'	46.94'	1'20'56"	10'07'41"
6+25.00	25.00'	46.94'	1'20'57"	11'28'38"
6+50.00	25.00'	46.94'	1'20'56"	12'49'34"
6+75.00	25.00'	46.94'	1'20'56"	14'10'30"
7+00.00	25.00'	46.94'	1'20'57"	15'31'27"
7+25.00	25.00'	46.94'	1'20'56"	16'52'23"
7+50.00	25.00'	46.94'	1'20'56"	18'13'19"
7+75.00	25.00'	46.94'	1'20'57"	19'34'16"
8+00.00	25.00'	46.94'	1'20'56"	20'55'12"
8+25.00	25.00'	46.94'	1'20'56"	22'16'08"
8+50.00	25.00'	46.94'	1'20'57"	23'37'05"
8+75.00	25.00'	46.94'	1'20'56"	24'58'01"
8+83.26	8.26'	15.51'	0'26'45"	25'24'46"
12+76.31	393.05'	721.36'	21'12'31"	46'37'17"

Curve #5				
Curve Data Based on Centerline				
Rad. = 261.83' Delta = 21°04'55" Tangent = 48.72'				
Arc = 96.34' L.C. = 95.80' Def./Ft. = 6.56486 Min.				
Station	Arc	6' Right	Defl.	Total Defl.
0+00.00	-	-	0'00'00"	0'00'00"
0+25.00	25.00'	26.90'	2'44'07"	2'44'07"
0+50.00	25.00'	26.90'	2'44'08"	5'28'15"
0+75.00	25.00'	26.90'	2'44'07"	8'12'22"
0+96.34	21.34'	22.96'	2'20'06"	10'32'28"

Curve #6				
Curve Data Based on Centerline				
Rad. = 308' Delta = 47°59'46" Tangent = 137.12'				
Arc = 258.01' L.C. = 250.53' Def./Ft. = 5.58073 Min.				
Station	Arc	6' Right	Defl.	Total Defl.
0+85.28	-	-	0'00'00"	0'00'00"
1+00.00	14.72'	15.82'	1'22'09"	1'22'09"
1+25.00	25.00'	26.86'	2'19'31"	3'41'40"
1+50.00	25.00'	26.86'	2'19'31"	6'01'11"
1+75.00	25.00'	26.86'	2'19'31"	8'20'42"
2+00.00	25.00'	26.86'	2'19'31"	10'40'13"
2+25.00	25.00'	26.86'	2'19'31"	12'59'44"
2+50.00	25.00'	26.86'	2'19'31"	15'19'15"
2+75.00	25.00'	26.86'	2'19'32"	17'38'47"
3+00.00	25.00'	26.86'	2'19'31"	19'58'18"
3+25.00	25.00'	26.86'	2'19'31"	22'17'49"
3+43.29	18.29'	19.65'	1'42'04"	23'59'53"

	TURKEY CREEK 3RD PHASE 1 CURVE TABLES WATER DISTRIBUTION SYSTEM	
	<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE</small>	
PROJECT NUMBER 448-90262	DESIGN MWS	DRAWN JRW
REVISIONS:	APPROVED	DATE 07/07
SCALE NONE		9 OF 18
SHEET		