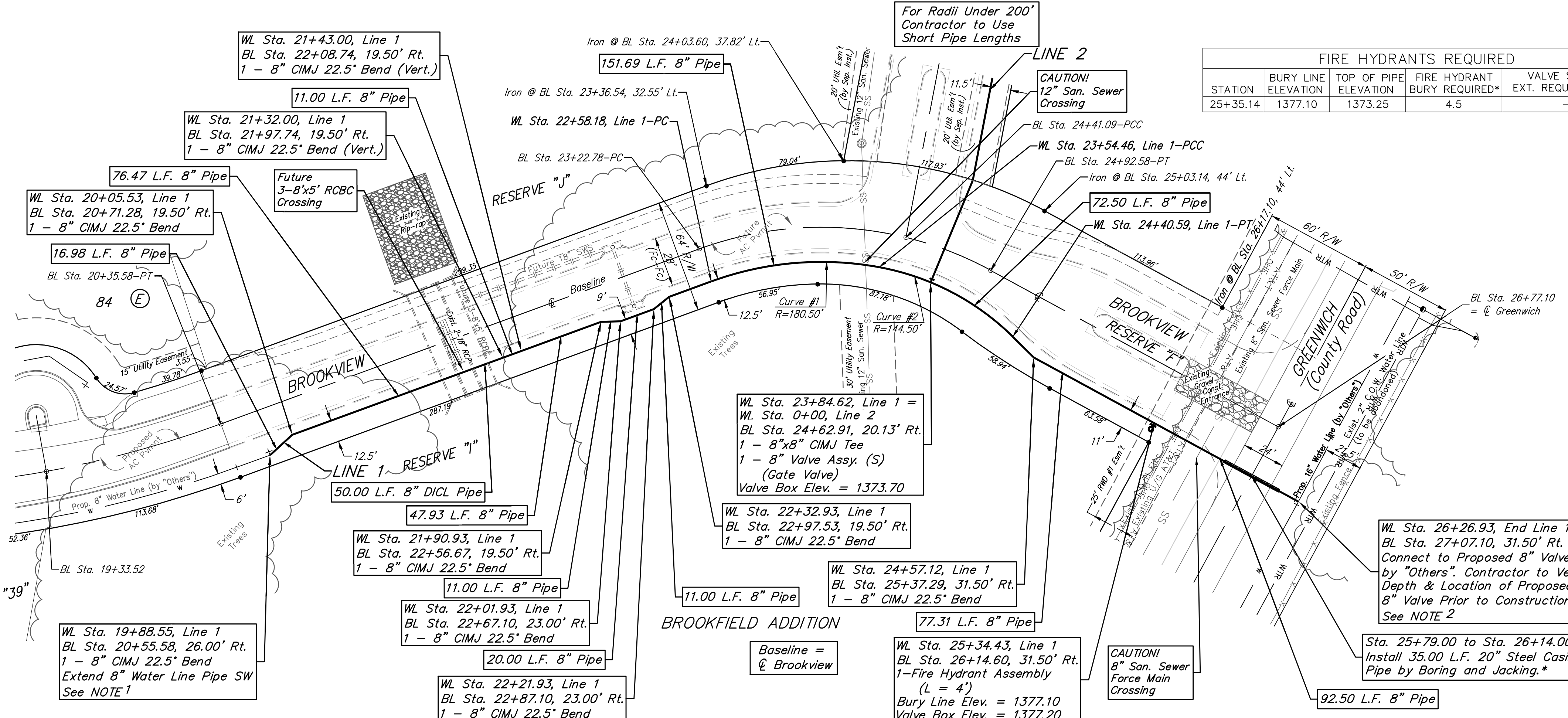


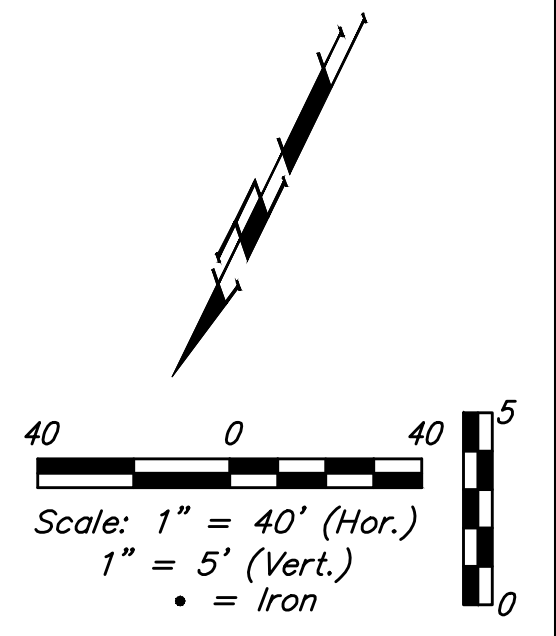
BENCHMARKS:
 RR spike in asphalt, SW COR., N1/2, SW1/4, Sec. 34, TWP. 26-S, R-2-E. Elev. = 1400.59 NAVD88

RR spike in E. face of power pole, 174± N. of S. line, N1/2, SW1/4 & 49± E. of W. line, SW1/4, Sec. 34, TWP. 26-S, R-2-E. Elev. = 1398.64 NAVD88

RR spike in S. face of power pole, 294± S. of N. line, SW1/4, & 48± E. of W. line, SW1/4, Sec. 34, TWP. 26-S, R-2-E. Elev. = 1386.14 NAVD88



FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
25+35.14	1377.10	1373.25	4.5	-



NOTE 1
 The Phase 1 Water Line, City Proj. #448-90787, is completed to Sta. 19+88.55, the Contractor of this project will be required to install a temporary blow-off to test line, and then make connection to existing 8" line at Sta. 19+88.55, Line 1. This work to be incidental to L.F. Pipe, WL 8".

Remove existing trees only as ABSOLUTELY necessary for construction. Trees not in direct conflict with proposed new construction shall remain and be protected from damage. Cost to be included in bid item "Site Clearing"

NOTE 2
 The 16" water main project (by others) in Greenwich Rd. is scheduled to be completed and tested to the connection location at Sta. 26+26.93 by November 13, 2017. The Contractor for this project shall be responsible to make connection to the existing valve at this location. This work shall be incidental to L.F. Pipe, WL 8".

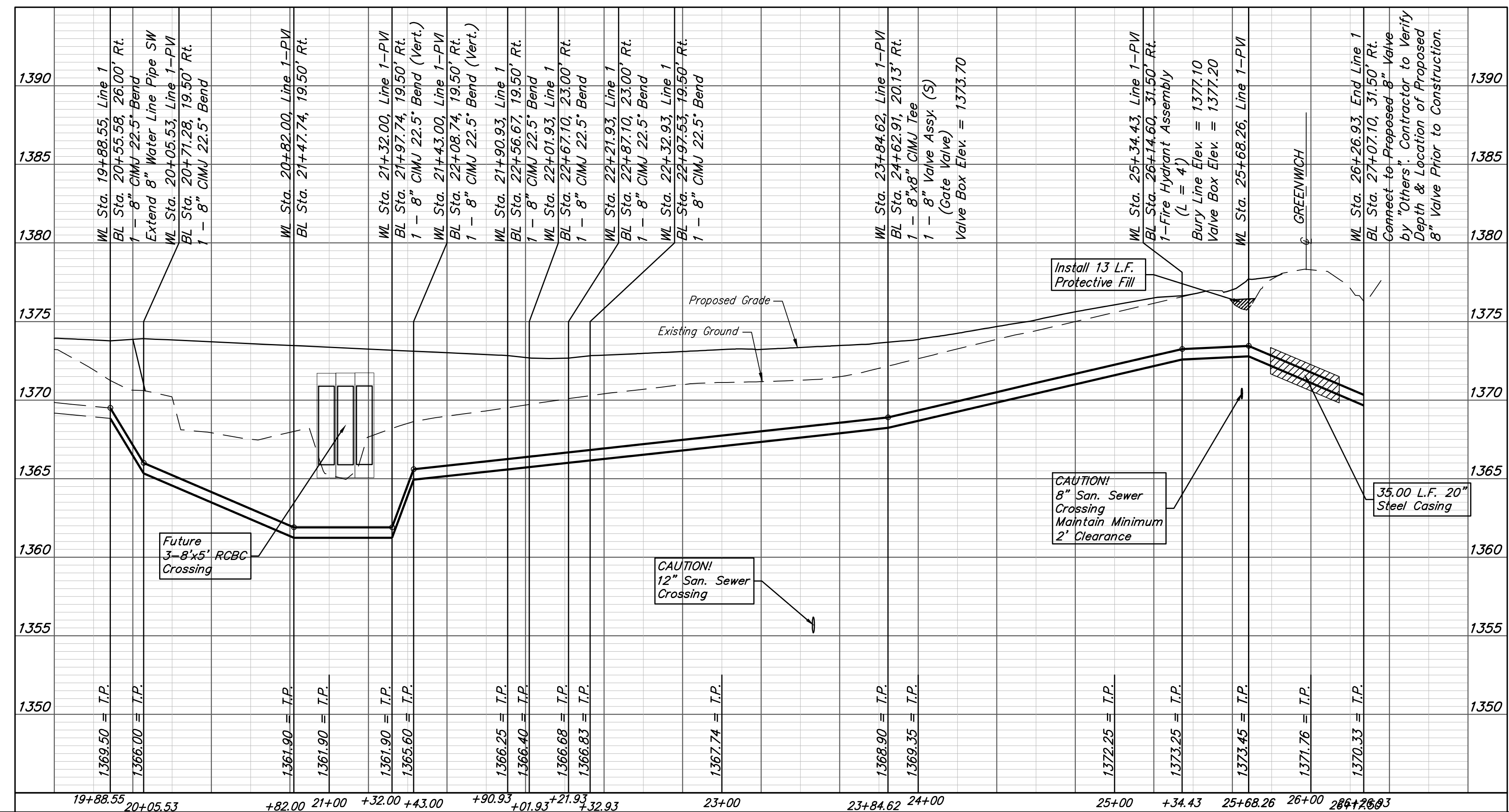
*** NOTE:**
 Cost of 8" Pipe within Steel Casing Pipe shall be bid as L.F. Pipe, WL 8". Cost of Boring and Jacking shall be included in bid item Pipe, Casing (20" ID min.).

Curve #1
 Curve Data Based on Centerline of Pipe
 Rad. = 180.5' Delta = 30°33'44" Tangent = 49.32'
 Arc = 96.28' L.C. = 95.14' Def./Ft. = 9.52292 Min.

Station	Arc	Chord	8' Right	Defl.	Total Defl.
22+58.18	-	-	-	0'00"00"	0'00"00"
22+75.00	16.82'	16.07'	2'40"11"	2'40"11"	2'40"11"
23+00.00	25.00'	23.87'	3'58"04"	6'38"15"	6'38"15"
23+25.00	25.00'	23.87'	3'58"04"	10'36"19"	10'36"19"
23+50.00	25.00'	23.87'	3'58"05"	14'34"24"	14'34"24"
23+54.46	4.46'	4.26'	0'42"28"	15'16"52"	15'16"52"

Curve #2
 Curve Data Based on Centerline of Pipe
 Rad. = 144.5' Delta = 34°09'06" Tangent = 44.39'
 Arc = 86.13' L.C. = 84.86' Def./Ft. = 11.89539 Min.

Station	Arc	Chord	8' Right	Defl.	Total Defl.
23+54.46	-	-	-	0'00"00"	0'00"00"
23+75.00	20.54'	19.39'	4'04"20"	4'04"20"	4'04"20"
23+84.62	9.62'	9.09'	1'54"26"	5'58"46"	5'58"46"
24+00.00	15.38'	14.52'	3'02"57"	9'01"43"	9'01"43"
24+25.00	25.00'	23.59'	4'57"23"	13'59"06"	13'59"06"
24+40.59	15.59'	14.72'	3'05"27"	17'04"33"	17'04"33"



	Brookfield Addition LINE 1 Water Distribution System	
	Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE	
PROJECT NUMBER 448-90782	DESIGN AEG	DRAWN JAK
REVISIONS:	APPROVED DATE 9/26/17	SCALE Noted
		4 OF 14