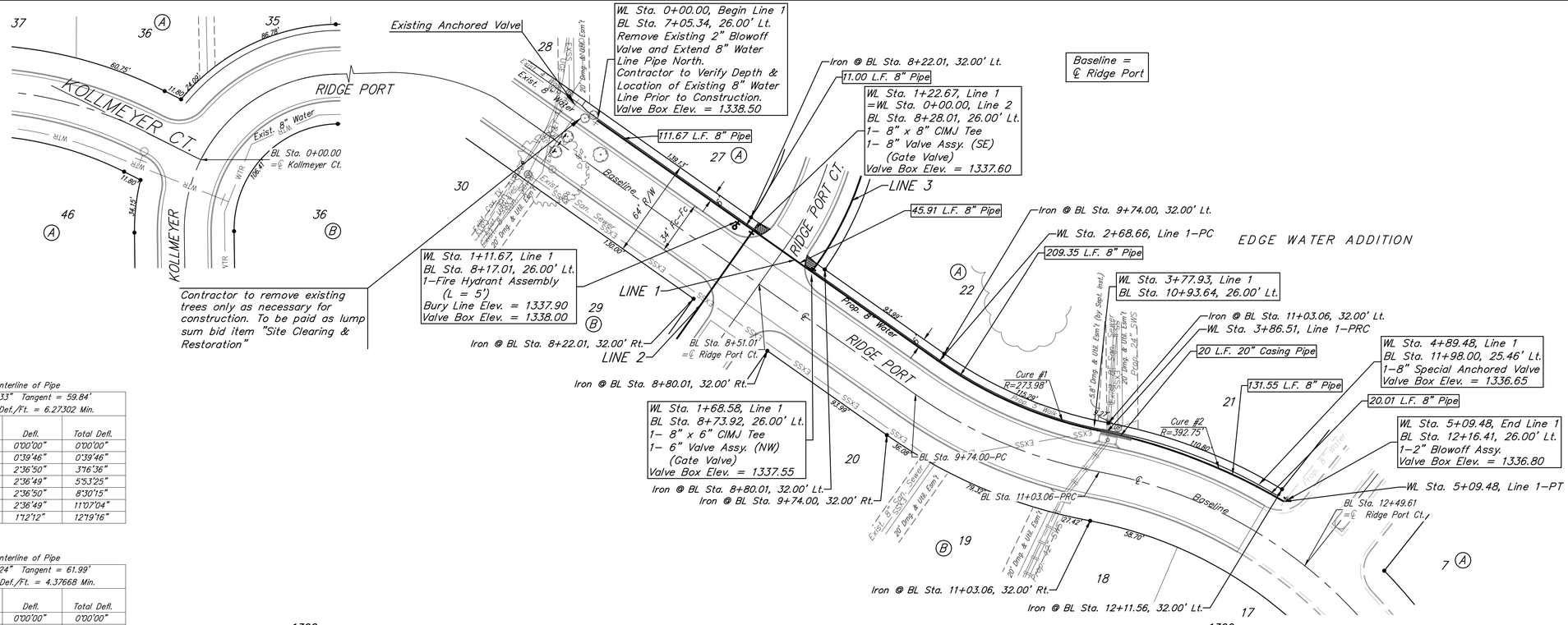
BENCHMARKS:

BM #1: Disc on Top of Curb between Lot B and Lot 9, Block B on West Side of Cimarron, Edge Water Addition
Elev. = 1335.14 NGVD29

BM #2: "□" on Top of Curb East Side of Ridge Port at End of Curb, North Corner of Lot 30, Block B; Edge Water Addition
Elev. = 1338.17 NGVD29

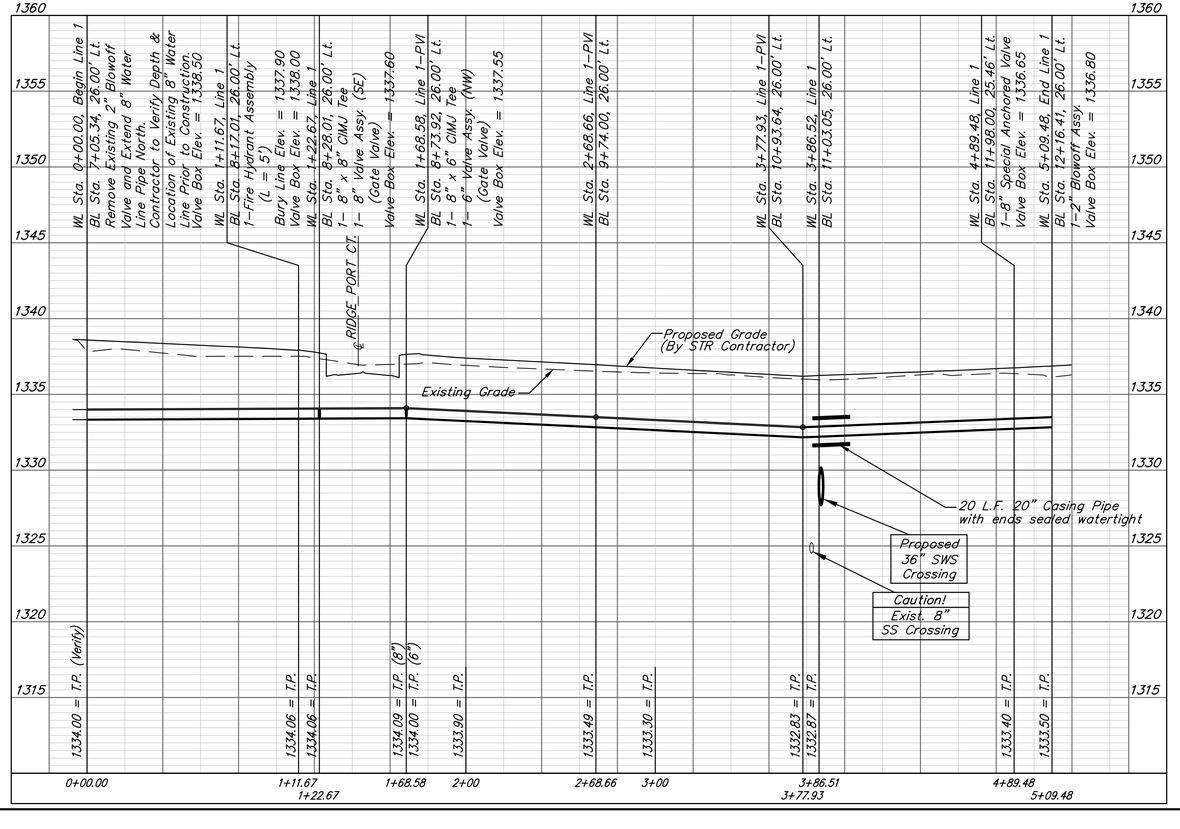


Curve #1
Curve Data Based on Centerline of Pipe
Rad. = 273.98' Delta = 24°38'33" Tangent = 59.84'
Arc = 117.85' L.C. = 116.93' Def./Ft. = 6.27302 Min.

Station	Arc	Chord 8" Left	Defl.	Total Defl.
2+68.66	–	–	0°00'00"	0°00'00"
2+75.00	6.34'	5.76'	0°39'46"	0°39'46"
3+00.00	25.00'	22.71'	2°36'50"	3°16'36"
3+25.00	25.00'	22.71'	2°36'49"	5°53'25"
3+50.00	25.00'	22.71'	2°36'50"	8°30'15"
3+75.00	25.00'	22.71'	2°36'49"	11°07'04"
3+86.51	11.51'	10.46'	1°12'12"	12°19'16"

Curve #2
Curve Data Based on Centerline of Pipe
Rad. = 392.75' Delta = 17°56'24" Tangent = 61.99'
Arc = 122.97' L.C. = 122.47' Def./Ft. = 4.37668 Min.

Station	Arc	Chord 8" Right	Defl.	Total Defl.
3+86.51	–	–	0°00'00"	0°00'00"
4+00.00	13.49'	12.63'	0°59'02"	0°59'02"
4+25.00	25.00'	23.41'	1°49'25"	2°48'27"
4+50.00	25.00'	23.41'	1°49'26"	4°37'53"
4+75.00	25.00'	23.41'	1°49'25"	6°27'18"
5+00.00	25.00'	23.41'	1°49'25"	8°16'43"
5+09.48	9.48'	8.88'	0°41'29"	8°58'12"



FIRE HYDRANTS REQUIRED					
LINE	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
1	1+11.67	1337.90	1340.06	4.5'	–

JUSTIN E. GOTT
LICENSED
7919
4/1/17
KANSAS
PROFESSIONAL ENGINEER

Baughman

Edge Water Addition Phase 6A

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	DESIGN	DRAWN
448-90381	AEG	DJL
REVISIONS:	APPROVED	DATE 5/17
	SCALE Noted	
	SHEET 4 OF 15	

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