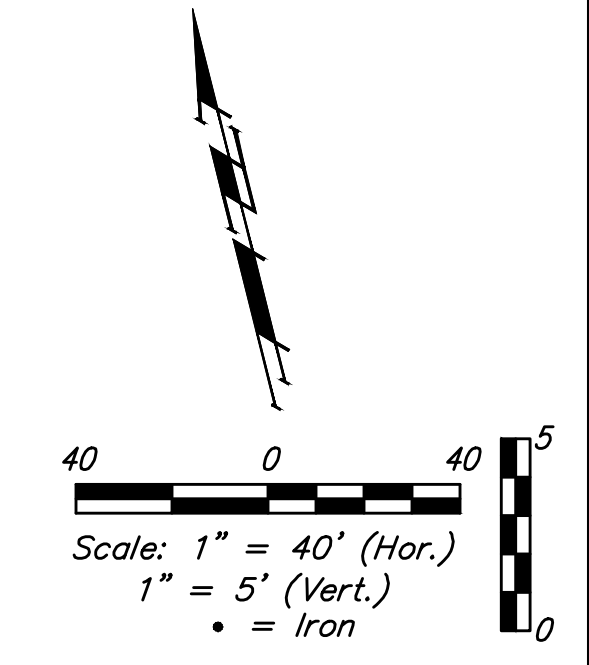
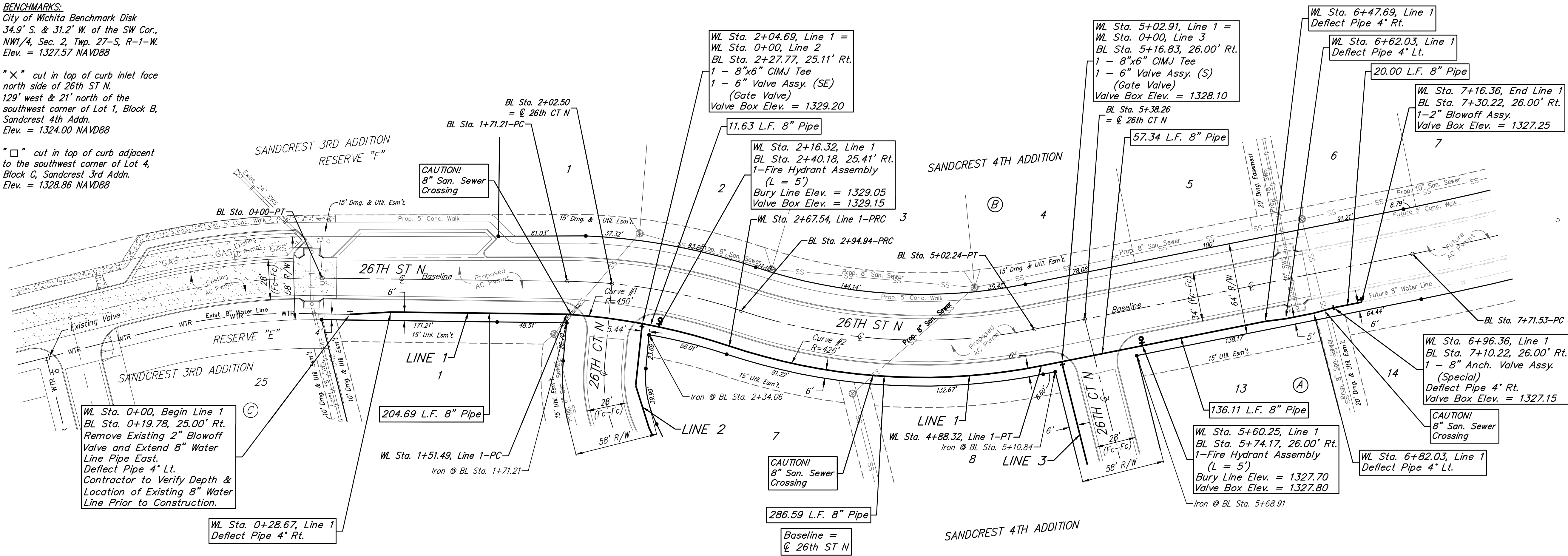


BENCHMARKS:
 City of Wichita Benchmark Disk
 34.9' S. & 31.2' W. of the SW Cor.,
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.
 Elev. = 1327.57 NAVD88

"X" cut in top of curb inlet face
 north side of 26th ST N.
 129' west & 21' north of the
 southwest corner of Lot 1, Block B,
 Sandcrest 4th Addn.
 Elev. = 1324.00 NAVD88

"□" cut in top of curb adjacent
 to the southwest corner of Lot 4,
 Block C, Sandcrest 3rd Addn.
 Elev. = 1328.86 NAVD88

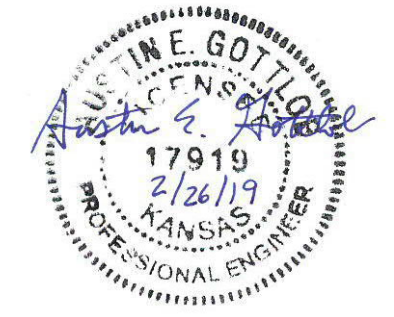
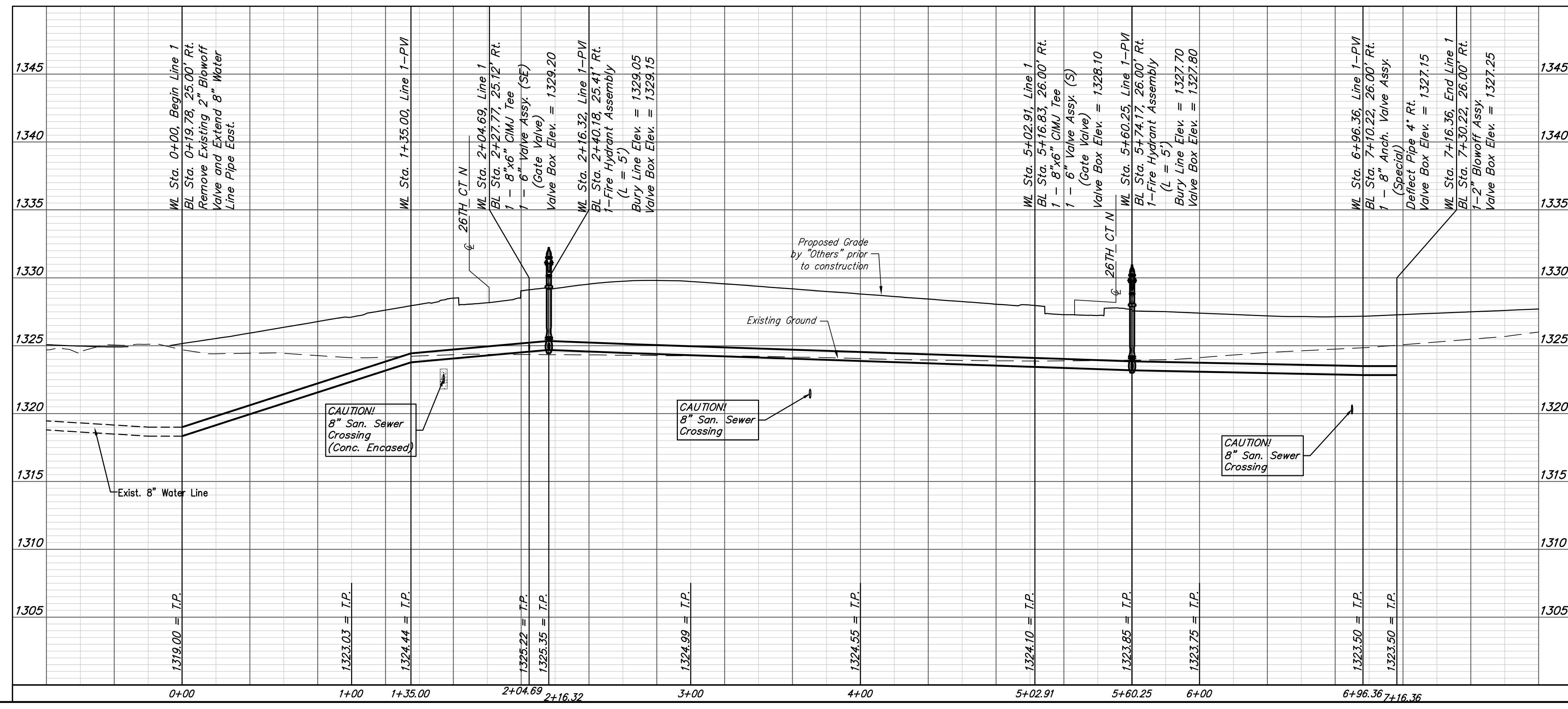


Curve #1
 Curve Data Based on Centerline of Pipe
 Rad. = 450' Delta = 14°47'16" Tangent = 58.40'
 Arc = 116.05' L.C. = 115.82' Def./Ft. = 3.82278 Min.

Station	Arc	Chord	8' Right	Defl.	Total Defl.
1+51.49	-	-	-	0°00'00"	0°00'00"
1+75.00	23.51'	23.94'	23.94'	1°29'52"	1°29'52"
2+00.00	25.00'	25.46'	25.46'	1°35'35"	3°05'27"
2+04.69	4.69'	4.78'	4.78'	0°17'55"	3°23'22"
2+16.32	11.63'	11.85'	11.85'	0°44'28"	4°07'50"
2+25.00	8.68'	8.84'	8.84'	0°33'11"	4°41'01"
2+50.00	25.00'	25.46'	25.46'	1°35'34"	6°16'35"
2+67.54	17.54'	17.86'	17.86'	1°07'03"	7°23'38"

Curve #2
 Curve Data Based on Centerline of Pipe
 Rad. = 426' Delta = 29°41'38" Tangent = 112.93'
 Arc = 220.78' L.C. = 218.31' Def./Ft. = 4.03486 Min.

Station	Arc	Chord	8' Right	Defl.	Total Defl.
2+67.54	-	-	-	0°00'00"	0°00'00"
2+75.00	7.46'	7.60'	7.60'	0°30'06"	0°30'06"
3+00.00	25.00'	25.47'	25.47'	1°40'52"	2°10'58"
3+25.00	25.00'	25.47'	25.47'	1°40'53"	3°51'51"
3+50.00	25.00'	25.47'	25.47'	1°40'52"	5°32'43"
3+75.00	25.00'	25.47'	25.47'	1°40'52"	7°13'35"
4+00.00	25.00'	25.47'	25.47'	1°40'52"	8°54'27"
4+25.00	25.00'	25.47'	25.47'	1°40'53"	10°35'20"
4+50.00	25.00'	25.47'	25.47'	1°40'52"	12°16'12"
4+75.00	25.00'	25.47'	25.47'	1°40'52"	13°57'04"
4+88.32	13.32'	13.57'	13.57'	0°53'45"	14°50'49"



Baughman Sandcrest 4th Addition - Phase I
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: 448-90896
 DESIGN: AEG
 DRAWN: JAK
 APPROVED: [Signature]
 DATE: 2/26/18

REVISIONS:

SCALE: Noted
 SHEET: 4 OF 14

C:\Projects\Sandcrest 4th Addition_1801-P351-Engineering\Phase I\WTR_1804-E366\WTR PLANS.dwg