Benchmarks:
BM #1: City of Wichita Benchmark Disc, top of curb at west end of curb return, Northwest corner of intersection of City View and Sheriac Cir. in Shadow Woods Addition. Elev. = 1386.66 NGVD29

BM #2: City of Wichita Benchmark Disc, Top of curb by fire hydrant at west end of curb return, Northwest corner of intersection of Sheriac Cir. and Sheriac Ct., South of SE corner of Lot 13, Block B, Shadow Woods Addition. Elev. = 1392.11 NGVD29

Curve #3
Curve Data Based on Centerline of Pipe
Rad. = 674' Delta = 8°01'19" Tangent = 47.26'
Arc = 94.36' L.C. = 94.29' Def./Ft. = 2.55043 Min.

Station	Arc	Chord 8' Left	Defl.	Total Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+25.00	25.00'	24.70'	1°03'46"	1°03'46"
0+50.00	25.00'	24.70'	1°03'45"	2°07'31"
0+75.00	25.00'	24.70'	1°03'46"	3°11'17"
0+94.36	19.36'	19.13'	0°49'23"	4°00'40"

Curve #4
Curve Data Based on Centerline of Pipe
Rad. = 1027.52' Delta = 8°01'19" Tangent = 72.05'
Arc = 226.96' L.C. = 143.74' Def./Ft. = 1.06036 Min.

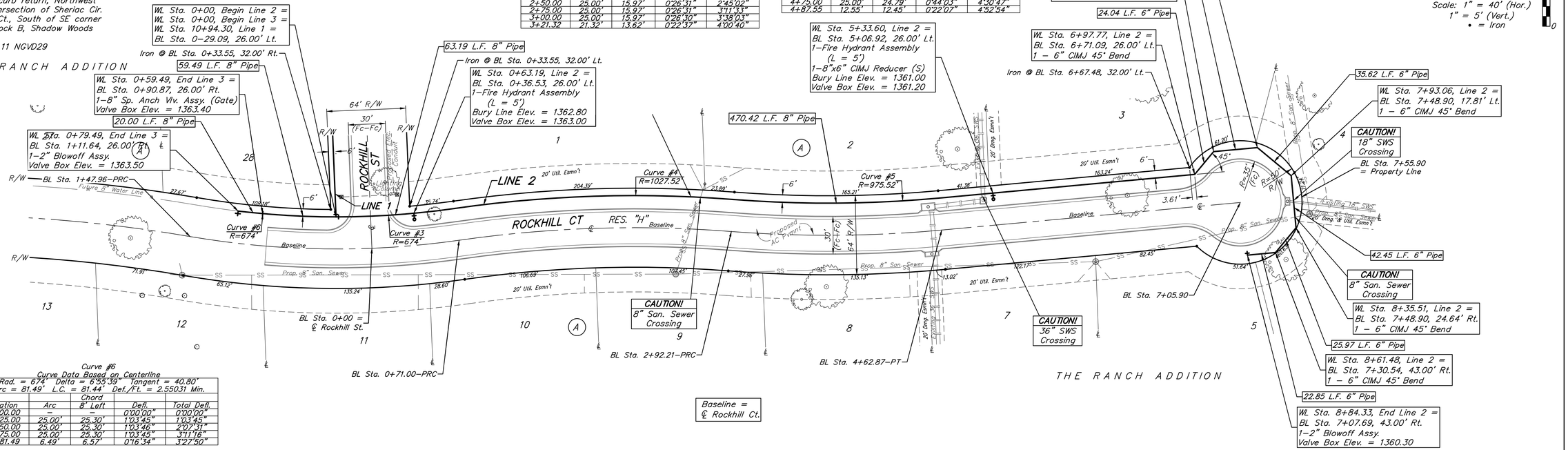
Station	Arc	Chord 8' Left	Defl.	Total Defl.
0+94.36	–	–	0°00'00"	0°00'00"
1+00.00	5.64'	3.60'	0°25'59"	0°25'59"
1+25.00	25.00'	15.97'	0°26'30"	0°52'29"
1+50.00	25.00'	15.97'	0°26'31"	0°59'00"
1+75.00	25.00'	15.97'	0°26'30"	1°25'30"
2+00.00	25.00'	15.97'	0°26'31"	1°52'01"
2+25.00	25.00'	15.97'	0°26'30"	2°18'31"
2+50.00	25.00'	15.97'	0°26'31"	2°45'02"
2+75.00	25.00'	15.97'	0°26'31"	3°11'33"
3+00.00	25.00'	15.97'	0°26'30"	3°38'03"
3+21.32	21.32'	13.62'	0°22'37"	4°00'40"

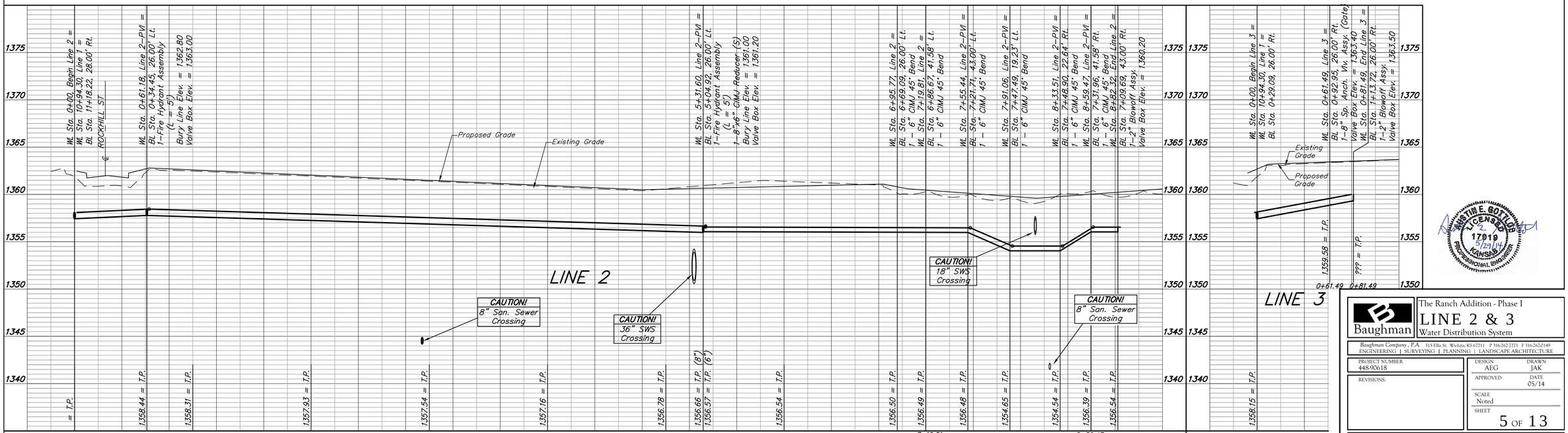
Curve #5
Curve Data Based on Centerline of Pipe
Rad. = 975.52' Delta = 9°45'48" Tangent = 83.32'
Arc = 166.23' L.C. = 166.03' Def./Ft. = 1.76202 Min.

Station	Arc	Chord 8' Left	Defl.	Total Defl.
3+21.32	–	–	0°00'00"	0°00'00"
3+25.00	3.68'	3.65'	0°06'29"	0°06'29"
3+50.00	25.00'	24.79'	0°44'03"	0°50'32"
3+75.00	25.00'	24.79'	0°44'03"	1°34'35"
4+00.00	25.00'	24.79'	0°44'03"	2°18'38"
4+25.00	25.00'	24.79'	0°44'03"	3°02'41"
4+50.00	25.00'	24.79'	0°44'03"	3°46'44"
4+75.00	25.00'	24.79'	0°44'03"	4°30'47"
4+87.55	12.55'	12.45'	0°22'07"	4°52'54"

Curve #6
Curve Data Based on Centerline
Rad. = 674' Delta = 6°55'39" Tangent = 40.80'
Arc = 81.49' L.C. = 81.44' Def./Ft. = 2.55031 Min.

Station	Arc	Chord 8' Left	Defl.	Total Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+25.00	25.00'	25.30'	1°03'45"	1°03'45"
0+50.00	25.00'	25.30'	1°03'46"	2°07'31"
0+75.00	25.00'	25.30'	1°03'45"	3°11'16"
0+81.49	6.49'	6.57'	0°16'34"	3°27'50"





Baughman

The Ranch Addition - Phase I

LINE 2 & 3

Water Distribution System

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.262.2271 F 316.262.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER	DESIGN	DRAWN
448-90618	AEG	JAK
REVISIONS:	APPROVED	DATE 05/14
	SCALE Noted	
	SHEET 5 OF 13	

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