

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

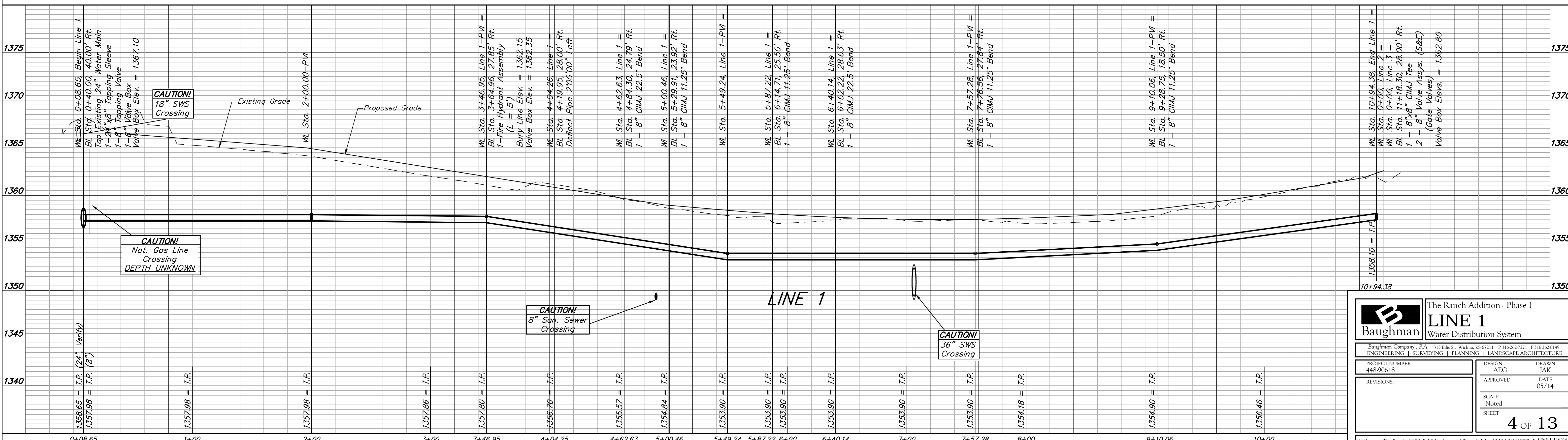
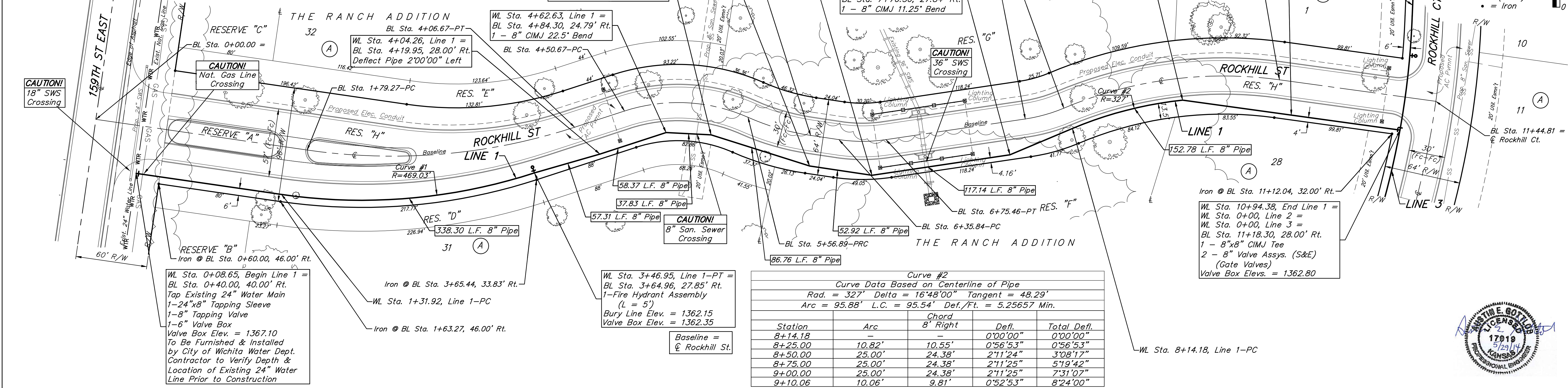
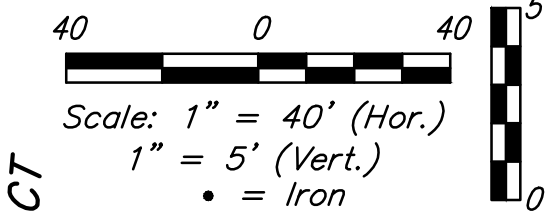
Curve #1  
 Curve Data Based on Centerline of Pipe  
 Rad. = 469.03' Delta = 26°16'01" Tangent = 109.44'  
 Arc = 215.03' L.C. = 213.15' Def./Ft. = 3.66464 Min.

Station	Arc	8' Right	Defl.	Total Defl.
1+31.92	-	-	0°00'00"	0°00'00"
1+50.00	18.08'	18.39'	1°06'15"	1°06'15"
1+75.00	25.00'	25.42'	1°31'37"	2°37'52"
2+00.00	25.00'	25.42'	1°31'37"	4°09'29"
2+25.00	25.00'	25.42'	1°31'37"	5°41'06"
2+50.00	25.00'	25.42'	1°31'37"	7°12'43"
2+75.00	25.00'	25.42'	1°31'37"	8°44'20"
3+00.00	25.00'	25.42'	1°31'37"	10°15'57"
3+25.00	25.00'	25.42'	1°31'37"	11°47'34"
3+46.95	21.95'	22.32'	1°20'26"	13°08'00"

Curve #2  
 Curve Data Based on Centerline of Pipe  
 Rad. = 327' Delta = 16°48'00" Tangent = 48.29'  
 Arc = 95.88' L.C. = 95.54' Def./Ft. = 5.25657 Min.

Station	Arc	8' Right	Defl.	Total Defl.
8+14.18	-	-	0°00'00"	0°00'00"
8+25.00	10.82'	10.55'	0°56'53"	0°56'53"
8+50.00	25.00'	24.38'	2°11'24"	3°08'17"
8+75.00	25.00'	24.38'	2°11'25"	5°19'42"
9+00.00	25.00'	24.38'	2°11'25"	7°31'07"
9+10.06	10.06'	9.81'	0°52'53"	8°24'00"

Remove Existing Trees Only as **ABSOLUTELY**  
 Necessary For Construction and with the  
 permission of the Developer or Baughman  
 Co. Trees Not in Direct Conflict With  
 Proposed New Construction Shall Remain  
 And Be Protected From Damage. Tree  
 branches in conflict with construction may  
 be chainsaw trimmed. Cost to be included  
 in Bid Item "Site Clearing"



**B** Baughman  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

The Ranch Addition - Phase I  
**LINE 1**  
 Water Distribution System

PROJECT NUMBER: 448-90618  
 DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: DATE: 05/14  
 SCALE: Noted  
 SHEET: 4 OF 13

REVISIONS:

Projects \The Ranch\_1248-P899-Engineering\Phase I\Wtr\_1241-E838\WTR\_PLANS\LINE1-E838