

**BENCHMARK:**  
 BM #1: HOOVER AND 45TH ST. NORTH  
 - COW BENCHMARK AT NE CORNER OF  
 INTERSECTION, 10.20' SSE OF PP,  
 58.80' ESE OF PP ON NW CORNER,  
 85.50' NE OF GAS LINE MARKER,  
 59.00' NORTH OF GAS LINE MARKER,  
 28.50' EAST OF CENTERLINE, 14.50'  
 NORTH OF CENTERLINE.  
 ELEV. = 1335.29 (NGVD 29)

BM #2: Small RR spike in 3rd PP west  
 of Hoover St. on the north side of  
 45th St. N.  
 Elev. = 1337.68

BM #3: Small RR spike in 2nd PP east  
 of NW Corner of SEC. 27, TWP. 26-S,  
 R-1-W. (North side of 45th St. N.,  
 west of Hoover St.)  
 Elev. = 1339.57

BM #4: 60d nail in PP at the SE  
 corner of exception on west side of  
 Hoover St., south of 45th St. N.  
 Elev. = 1335.26

Curve #2  
 Curve Data Based on Waterline  
 Rad. = 146' Delta = 90°00'00" Tangent = 146.00'  
 Arc = 229.33' L.C. = 206.48' Def/Ft. = 11.77343 Min.

Station	Arc	CHORD LENGTHS		Defl.	T. Defl.
		6' Rt.	6' Lt.		
10+91.60	-	-	-	0'00"00"	0'00"00"
11+00.00	8.40'	8.74'	8.74'	1'38"54"	1'38"54"
11+25.00	25.00'	26.00'	26.00'	4'54"20"	6'33"14"
11+50.00	25.00'	26.00'	26.00'	4'54"20"	11'27"34"
11+53.83	3.83'	3.99'	3.99'	0'45"05"	12'12"39"
11+75.00	21.17'	22.02'	22.02'	4'09"14"	16'21"54"
12+00.00	25.00'	26.00'	26.00'	4'54"20"	21'16"14"
12+17.53	17.53'	18.24'	18.24'	3'26"23"	24'42"37"
12+25.00	7.47'	7.76'	7.76'	1'27"57"	26'10"34"
12+50.00	25.00'	26.00'	26.00'	4'54"20"	31'04"54"
12+75.00	25.00'	26.00'	26.00'	4'54"20"	35'59"15"
13+00.00	25.00'	26.00'	26.00'	4'54"20"	40'53"35"
13+20.93	20.93'	21.77'	21.77'	4'06"25"	45'00"00"

For radii under 200',  
 contractor shall use  
 short pipe lengths.

WL Sta 16+48.30, Line 1  
 = BL Sta 19+50.15, 26' Rt.  
 1 - Fire Hydrant Assy.  
 L = 5'  
 Bury Line Elev. = 1336.90  
 Valve Box Elev. = 1337.00

WL Sta 18+72.94, End Line 1  
 = BL Sta 21+93.17, 26' Rt.  
 1 - 2" Blowoff Assy.  
 Valve Box Elev. = 1335.90

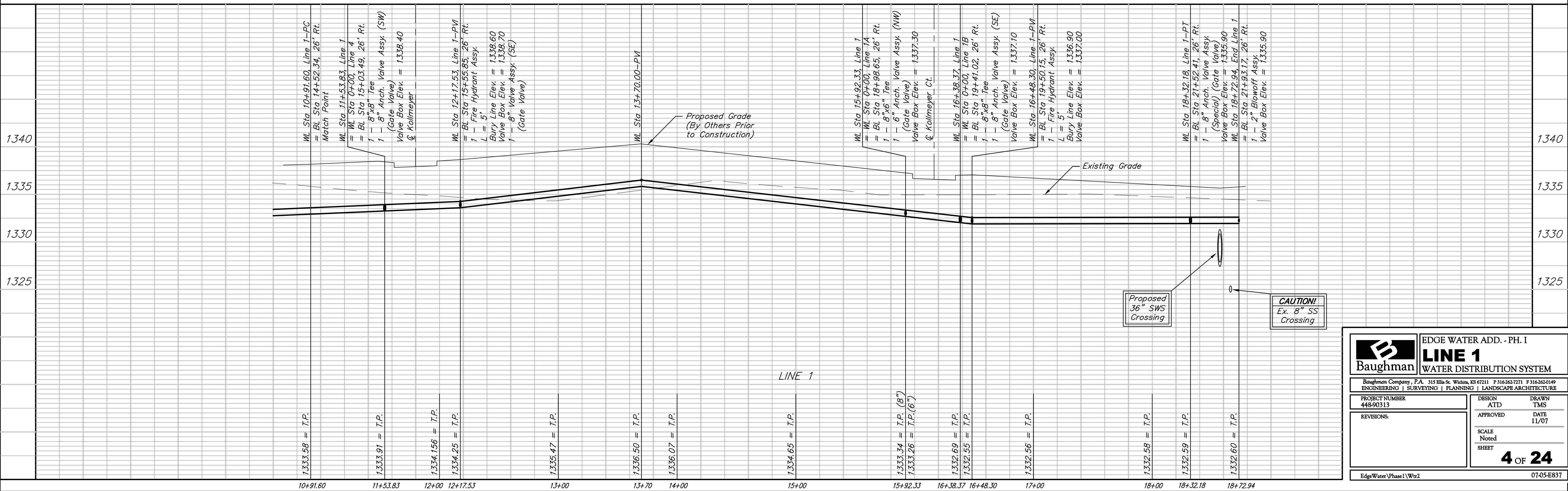
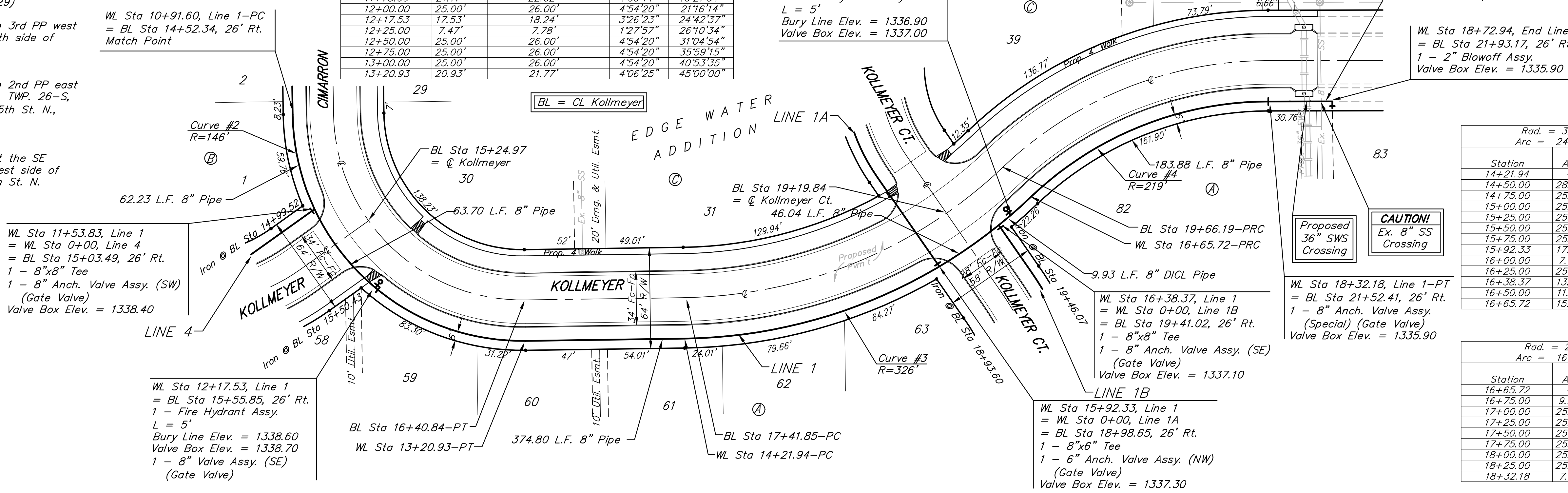
Scale: 1" = 40' Horizontal  
 1" = 5' Vertical  
 • = Iron

Curve #3  
 Curve Data Based on Waterline  
 Rad. = 326' Delta = 42°50'44" Tangent = 127.91'  
 Arc = 243.78' L.C. = 238.14' Def/Ft. = 5.27265 Min.

Station	Arc	CHORD LENGTHS		Defl.	T. Defl.
		6' Rt.	6' Lt.		
14+21.94	-	-	-	0'00"00"	0'00"00"
14+50.00	28.06'	28.57'	28.57'	2'27"57"	2'27"57"
14+75.00	25.00'	25.45'	25.45'	2'11"49"	4'39"46"
15+00.00	25.00'	25.45'	25.45'	2'11"49"	6'51"35"
15+25.00	25.00'	25.45'	25.45'	2'11"49"	9'03"24"
15+50.00	25.00'	25.45'	25.45'	2'11"49"	11'15"13"
15+75.00	25.00'	25.45'	25.45'	2'11"49"	13'27"02"
15+92.33	17.33'	17.65'	17.65'	1'31"22"	14'58"24"
16+00.00	7.67'	7.81'	7.81'	0'40"26"	15'38"51"
16+25.00	25.00'	25.45'	25.45'	2'11"49"	17'50"40"
16+38.37	13.37'	13.62'	13.62'	1'10"30"	19'01"09"
16+50.00	11.63'	11.84'	11.84'	1'01"19"	20'02"29"
16+65.72	15.72'	16.01'	16.01'	1'22"53"	21'25"22"

Curve #4  
 Curve Data Based on Waterline  
 Rad. = 219' Delta = 43°33'01" Tangent = 87.48'  
 Arc = 166.46' L.C. = 162.48' Def/Ft. = 7.84878 Min.

Station	Arc	CHORD LENGTHS		Defl.	T. Defl.
		6' Rt.	6' Lt.		
16+65.72	-	-	-	0'00"00"	0'00"00"
16+75.00	9.28'	9.03'	9.03'	1'12"50"	1'12"50"
17+00.00	25.00'	24.30'	24.30'	3'16"13"	4'29"03"
17+25.00	25.00'	24.30'	24.30'	3'16"13"	7'45"16"
17+50.00	25.00'	24.30'	24.30'	3'16"13"	11'01"30"
17+75.00	25.00'	24.30'	24.30'	3'16"13"	14'17"43"
18+00.00	25.00'	24.30'	24.30'	3'16"13"	17'33"56"
18+25.00	25.00'	24.30'	24.30'	3'16"13"	20'50"09"
18+32.18	7.18'	6.98'	6.98'	0'56"21"	21'46"30"



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

EDGE WATER ADD. - PH. I  
**LINE 1**  
 WATER DISTRIBUTION SYSTEM

PROJECT NUMBER: 448-90313  
 DESIGN: ATD  
 DRAWN: TMS  
 APPROVED: DATE 11/07  
 SCALE: Noted  
 SHEET: 4 OF 24

EdgeWater\Phase I\Wtr2 07-05-EB37