

**BENCHMARKS:**  
 RR Spike in N. Face of PP in  
 N. R/W of Maple N. of Nineiron.  
 Elev. = 177.01 (City Datum)

"□" Cut center of north  
 Headwall of RCBC in N. R/W of  
 Maple 570' East of centerline  
 of City View.  
 Elev. = 187.91 (City Datum)

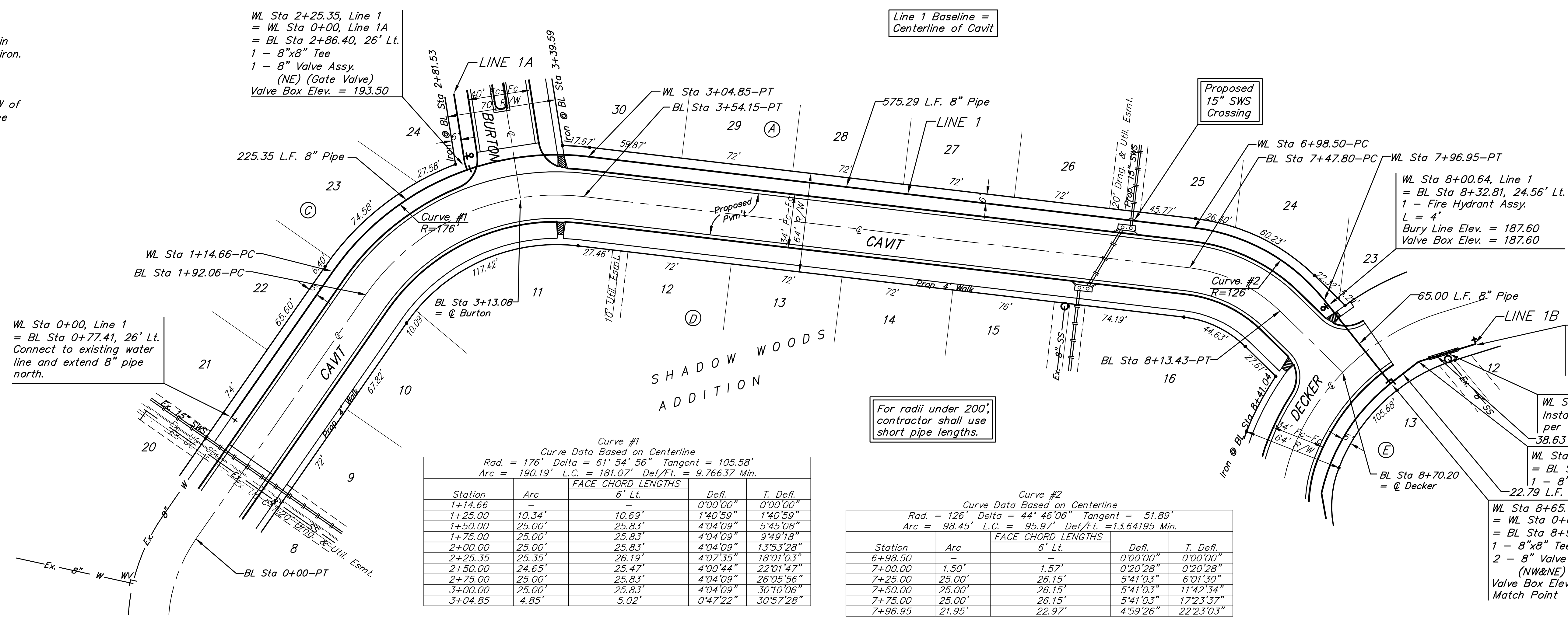
WL Sta 2+25.35, Line 1  
 = WL Sta 0+00, Line 1A  
 = BL Sta 2+86.40, 26' Lt.  
 1 - 8"x8" Tee  
 1 - 8" Valve Assy.  
 (NE) (Gate Valve)  
 Valve Box Elev. = 193.50

Line 1 Baseline =  
 Centerline of Cavit

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

Line 1B Baseline =  
 Centerline of Decker

WL Sta 0+00, Line 1  
 = BL Sta 0+77.41, 26' Lt.  
 Connect to existing water  
 line and extend 8" pipe  
 north.

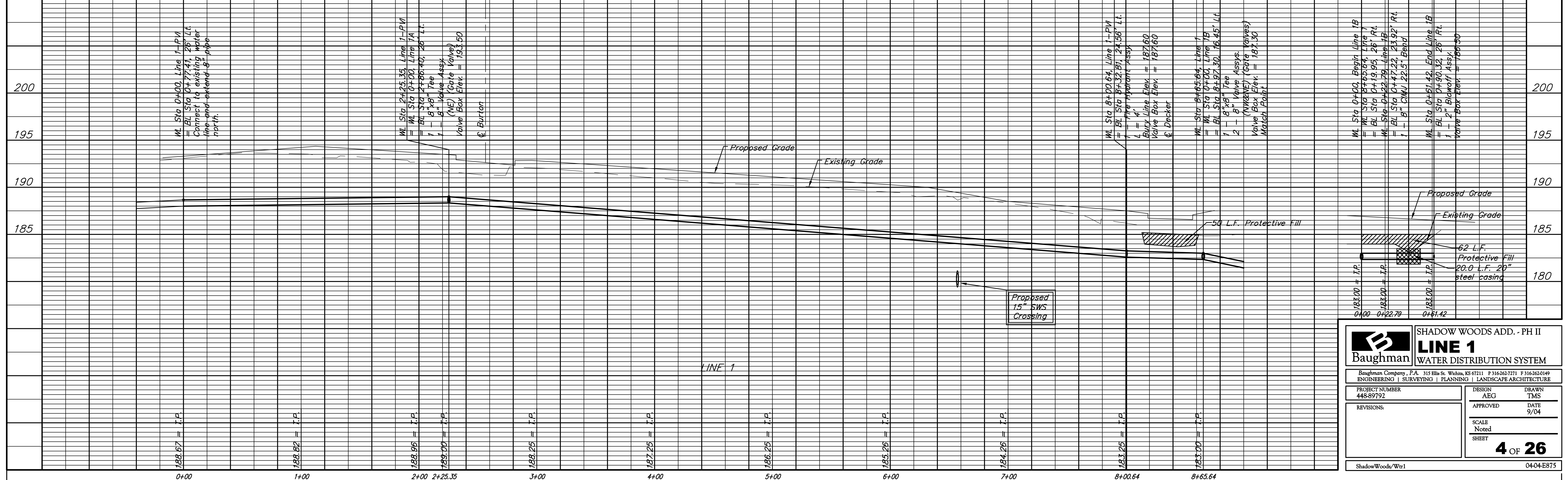


Curve #1  
 Curve Data Based on Centerline  
 Rad. = 176' Delta = 61° 54' 56" Tangent = 105.58'  
 Arc = 190.19' L.C. = 181.07' Def/Ft. = 9.76637 Min.

Station	Arc	FACE CHORD LENGTHS	6" Lt.	Defl.	T. Defl.
1+14.66	—	—	—	0'00"00"	0'00"00"
1+25.00	10.34'	10.69'	10.69'	1'40"59"	1'40"59"
1+50.00	25.00'	25.83'	25.83'	4'04"09"	5'45"08"
1+75.00	25.00'	25.83'	25.83'	4'04"09"	9'49"18"
2+00.00	25.00'	25.83'	25.83'	4'04"09"	13'53"28"
2+25.35	25.35'	26.19'	26.19'	4'07"35"	18'01"03"
2+50.00	24.65'	25.47'	25.47'	4'00"44"	22'01"47"
2+75.00	25.00'	25.83'	25.83'	4'04"09"	26'05"56"
3+00.00	25.00'	25.83'	25.83'	4'04"09"	30'10"06"
3+04.85	4.85'	5.02'	5.02'	0'47"22"	30'57"28"

Curve #2  
 Curve Data Based on Centerline  
 Rad. = 126' Delta = 44° 46'06" Tangent = 51.89'  
 Arc = 98.45' L.C. = 95.97' Def/Ft. = 13.64195 Min.

Station	Arc	FACE CHORD LENGTHS	6" Lt.	Defl.	T. Defl.
6+98.50	—	—	—	0'00"00"	0'00"00"
7+00.00	1.50'	1.57'	1.57'	0'20"28"	0'20"28"
7+25.00	25.00'	26.15'	26.15'	5'41"03"	6'01"30"
7+50.00	25.00'	26.15'	26.15'	5'41"03"	11'42"34"
7+75.00	25.00'	26.15'	26.15'	5'41"03"	17'23"37"
7+96.95	21.95'	22.97'	22.97'	4'59"26"	22'23"03"



**B** SHADOW WOODS ADD. - PH II  
**Baughman** **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 448-89792	DESIGN AEG	DRAWN TMS
APPROVED	DATE 9/04	

REVISIONS:

SCALE  
 Noted  
 SHEET

**4 OF 26**

ShadowWoods/Wtr1 04-04-E875