

Curve #1
Curve Data Based on Waterline
Rad. = 124' Delta = 53°03'41" Tangent = 61.91'
Arc = 114.84' L.C. = 110.78' Def/Ft. = 13.86139 Min.

| Station | Arc | CHORD LENGTHS 6" Lt. | Defl. | T. Defl. |
|---------|--------|-------------------------|----------|-----------|
| 1+78.62 | - | - | 0'00"00" | 0'00"00" |
| 2+00.00 | 21.38' | 20.32' | 4'56'21" | 4'56'21" |
| 2+25.00 | 25.00' | 23.75' | 5'46'32" | 10'42'53" |
| 2+50.00 | 25.00' | 23.75' | 5'46'32" | 16'29'25" |
| 2+75.00 | 25.00' | 23.75' | 5'46'32" | 22'15'57" |
| 2+93.46 | 18.46' | 17.55' | 4'15'53" | 26'31'50" |

Curve #2
Curve Data Based on Waterline
Rad. = 226' Delta = 47°04'48" Tangent = 98.46'
Arc = 185.7' L.C. = 180.52' Def/Ft. = 7.60582 Min.

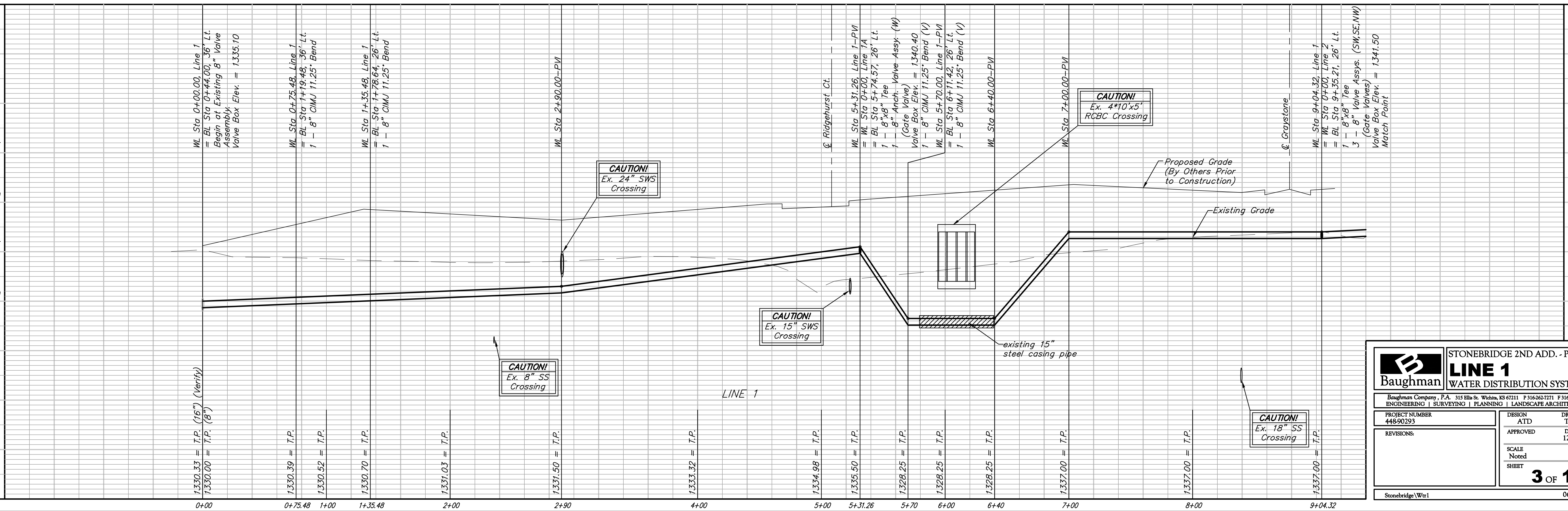
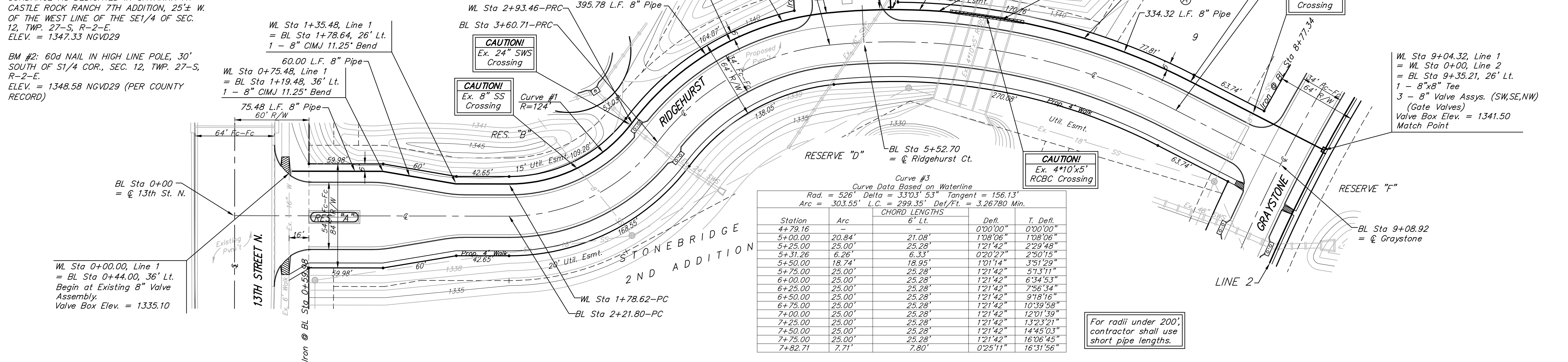
| Station | Arc | CHORD LENGTHS 6" Lt. | Defl. | T. Defl. |
|---------|--------|-------------------------|----------|-----------|
| 2+93.46 | - | - | 0'00"00" | 0'00"00" |
| 3+00.00 | 6.54' | 6.71' | 0'49'44" | 0'49'44" |
| 3+25.00 | 25.00' | 25.65' | 3'10'09" | 3'59'53" |
| 3+50.00 | 25.00' | 25.65' | 3'10'09" | 7'10'02" |
| 3+75.00 | 25.00' | 25.65' | 3'10'09" | 10'20'10" |
| 4+00.00 | 25.00' | 25.65' | 3'10'09" | 13'30'19" |
| 4+25.00 | 25.00' | 25.65' | 3'10'09" | 16'40'28" |
| 4+50.00 | 25.00' | 25.65' | 3'10'09" | 19'50'37" |
| 4+75.00 | 25.00' | 25.65' | 3'10'09" | 23'00'45" |
| 4+79.16 | 4.16' | 4.27' | 0'31'38" | 23'32'24" |

Curve #3
Curve Data Based on Waterline
Rad. = 526' Delta = 33°03'53" Tangent = 156.13'
Arc = 303.55' L.C. = 299.35' Def/Ft. = 3.26780 Min.

| Station | Arc | CHORD LENGTHS 6" Lt. | Defl. | T. Defl. |
|---------|--------|-------------------------|----------|-----------|
| 4+79.16 | - | - | 0'00"00" | 0'00"00" |
| 5+00.00 | 20.84' | 21.08' | 1'08'06" | 1'08'06" |
| 5+25.00 | 25.00' | 25.29' | 1'21'42" | 2'29'48" |
| 5+50.00 | 25.00' | 25.29' | 1'21'42" | 3'51'29" |
| 5+75.00 | 25.00' | 25.28' | 1'21'42" | 5'13'11" |
| 6+00.00 | 25.00' | 25.28' | 1'21'42" | 6'34'53" |
| 6+25.00 | 25.00' | 25.28' | 1'21'42" | 7'56'34" |
| 6+50.00 | 25.00' | 25.28' | 1'21'42" | 9'18'16" |
| 6+75.00 | 25.00' | 25.28' | 1'21'42" | 10'39'58" |
| 7+00.00 | 25.00' | 25.28' | 1'21'42" | 12'01'39" |
| 7+25.00 | 25.00' | 25.28' | 1'21'42" | 13'23'21" |
| 7+50.00 | 25.00' | 25.28' | 1'21'42" | 14'45'03" |
| 7+75.00 | 25.00' | 25.28' | 1'21'42" | 16'06'45" |
| 7+82.71 | 7.71' | 7.80' | 0'25'11" | 16'31'56" |

BENCHMARK:
BM #1: " " CUT, TOP OF CURB, S. SIDE OF SUNDANCE AS DEDICATED IN SAVANNA AT CASTLE ROCK RANCH 7TH ADDITION, 25'± W. OF THE WEST LINE OF THE SE1/4 OF SEC. 12, TWP. 27-S, R-2-E. ELEV. = 1347.33 NGVD29
BM #2: 60d NAIL IN HIGH LINE POLE, 30' SOUTH OF S1/4 COR., SEC. 12, TWP. 27-S, R-2-E. ELEV. = 1348.58 NGVD29 (PER COUNTY RECORD)

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



B Baughman
STONEBRIDGE 2ND ADD. - PH. 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 448-90293 | DESIGN ATD | DRAWN TMS |
| REVISIONS: | APPROVED | DATE 12/07 |
| | SCALE Noted | SHEET 3 OF 15 |

Stonebridge\Wtr1 06-07-E600