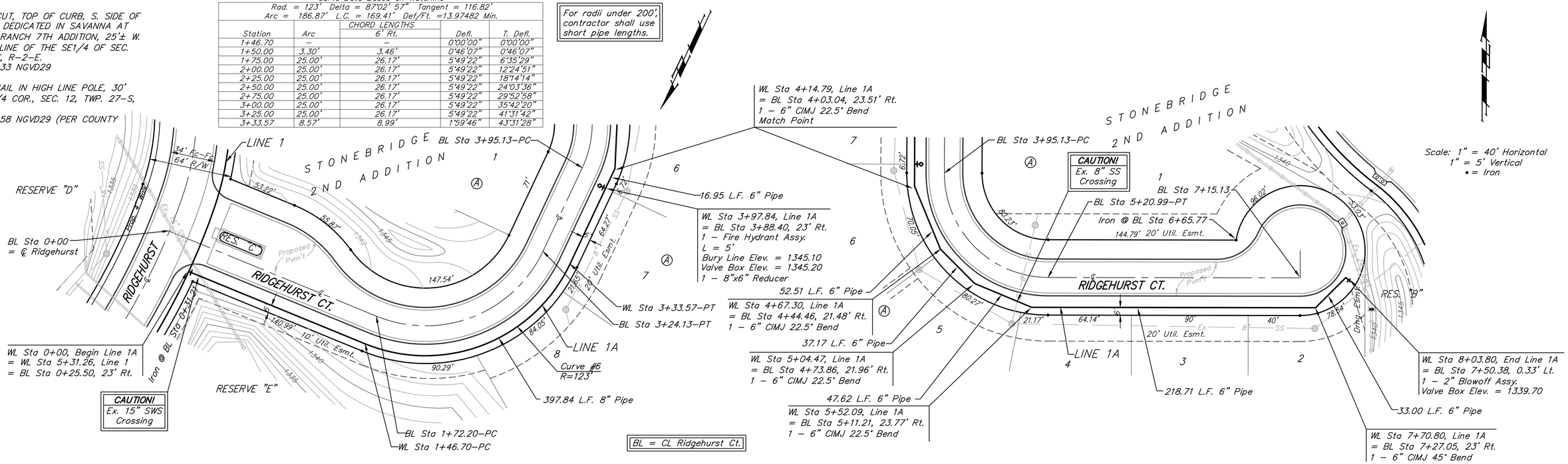
BENCHMARK:
BM #1: "□" CUT, TOP OF CURB, S. SIDE OF SUNDANCE AS DEDICATED IN SAVANNA AT CASTLE ROCK RANCH 7TH ADDITION, 25'± W. OF THE WEST LINE OF THE SE1/4 OF SEC. 12, TWP. 27-S, R-2-E.
ELEV. = 1347.33 NGVD29

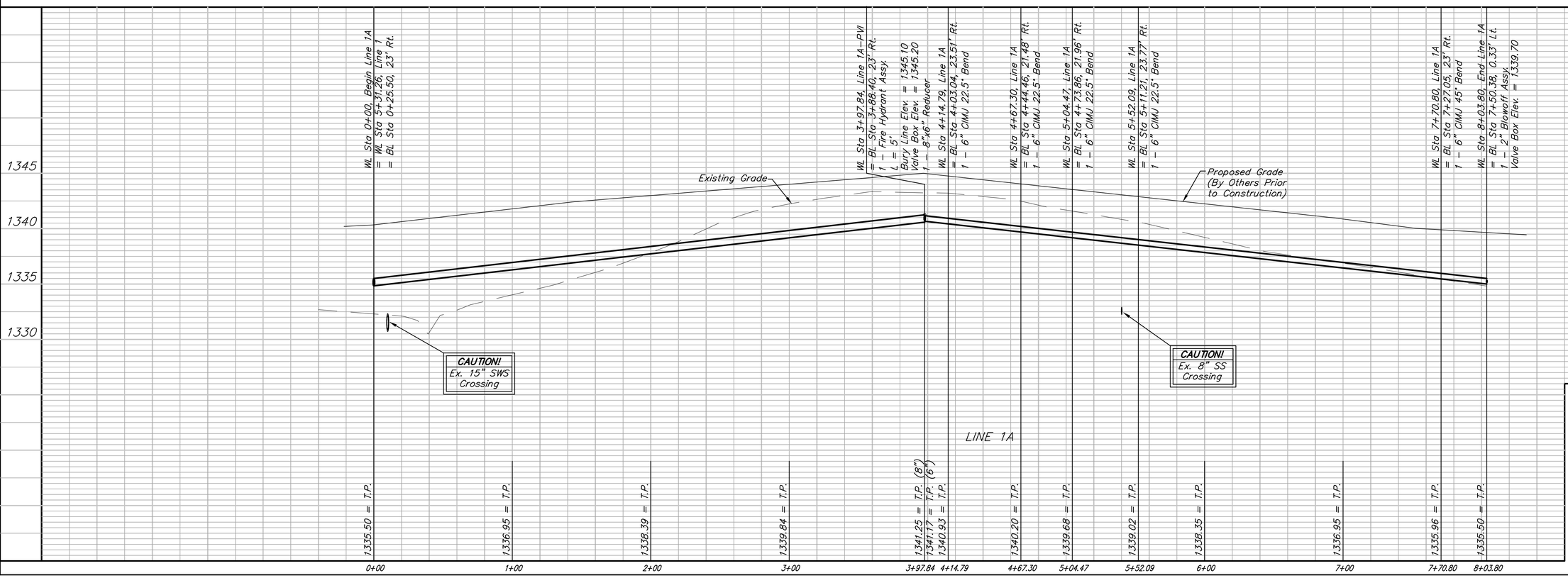
BM #2: 60d NAIL IN HIGH LINE POLE, 30' SOUTH OF S1/4 COR., SEC. 12, TWP. 27-S, R-2-E.
ELEV. = 1348.58 NGVD29 (PER COUNTY RECORD)

Curve #6
Curve Data Based on Waterline
Rad. = 123' Delta = 87°02' 57" Tangent = 116.82'
Arc = 186.87' L.C. = 169.41' Def/Ft. =13.97482 Min.

| Station | Arc | CHORD LENGTHS 6' Rt. | Defl. | T. Defl. |
|---|---|---|---|---|
| 1+46.70 | – | – | 0°00'00" | 0°00'00" |
| 1+50.00 | 3.30' | 3.46' | 0°46'07" | 0°46'07" |
| 1+75.00 | 25.00' | 26.17' | 5°49'22" | 6°35'29" |
| 2+00.00 | 25.00' | 26.17' | 5°49'22" | 12°24'51" |
| 2+25.00 | 25.00' | 26.17' | 5°49'22" | 18°14'14" |
| 2+50.00 | 25.00' | 26.17' | 5°49'22" | 24°03'36" |
| 2+75.00 | 25.00' | 26.17' | 5°49'22" | 29°52'58" |
| 3+00.00 | 25.00' | 26.17' | 5°49'22" | 35°42'20" |
| 3+25.00 | 25.00' | 26.17' | 5°49'22" | 41°31'42" |
| 3+33.57 | 8.57' | 8.99' | 1°59'46" | 43°31'28" |

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




Baughman

STONEBRIDGE 2ND ADD. - PH. I

# LINE 1A

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 5 OF 15 |

Stonebridge\Wtr3 06-07-E600