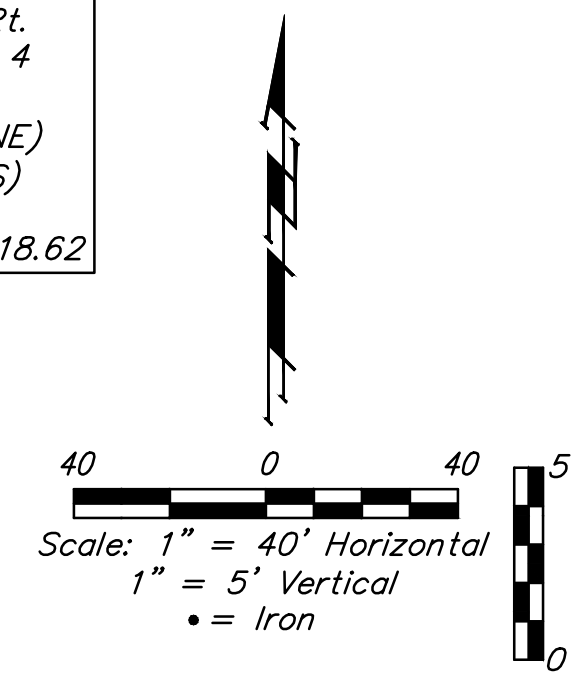
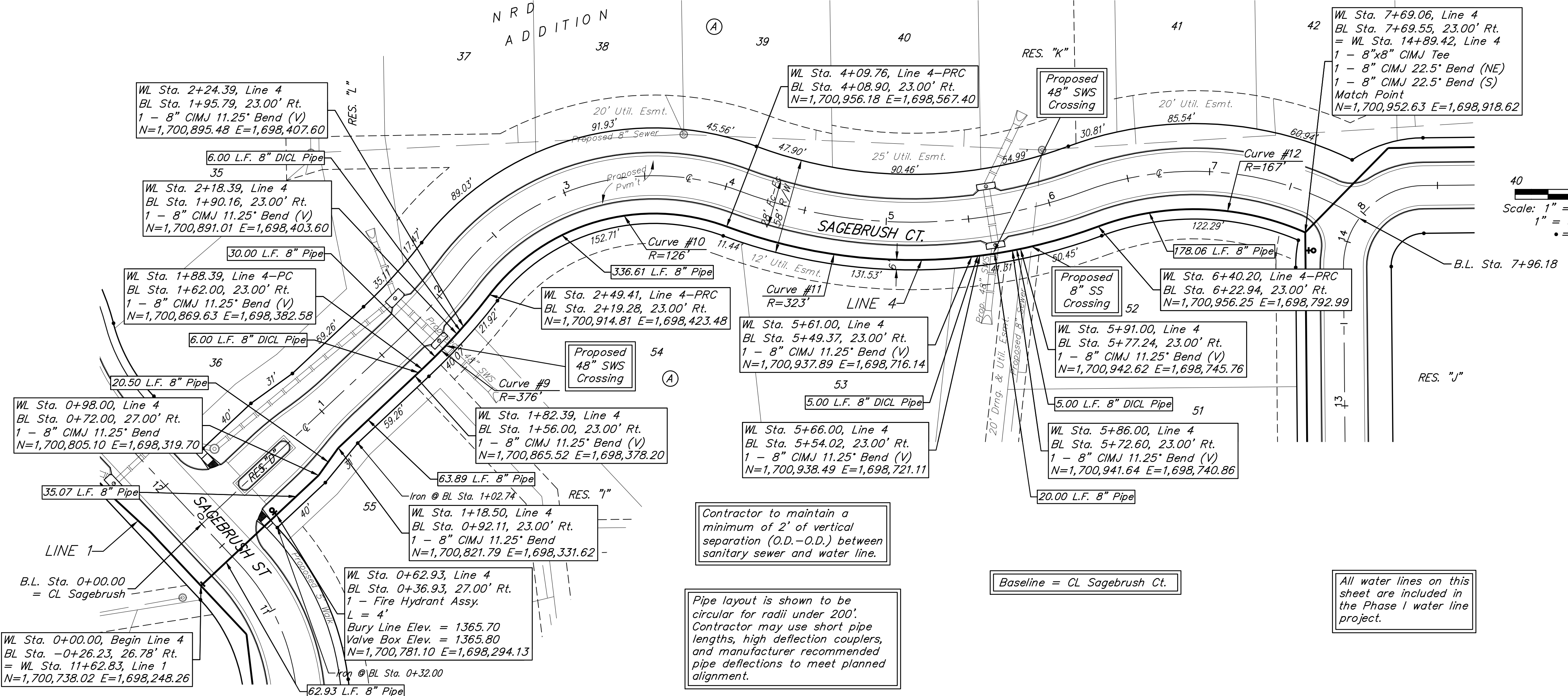


BENCHMARKS:
 BM #1: Chiseled square on NW corner of catch basin, 262.2' W. & 35.9' N. of S1/4 Cor., Sec. 1, TWP. 27-S., R-2-E.
 Elev. = 1361.76 NAVD88

BM #2: Chiseled square on NW corner of catch basin, 962.0' W. & 35.8' N. of S1/4 Cor., Sec. 1, TWP. 27-S., R-2-E.
 Elev. = 1363.84 NAVD88

BM #3: Chiseled square on NW corner of catch basin, 160.0' E. & 24.3' S. of SW Cor., Lot 13, Block A, NRD Addition.
 Elev. = 1369.05 NAVD88



Curve #9
 Curve Data Based on Waterline
 Rad. = 376' Delta = 91°17'52\"/>

| Station | Arc | 8' Right | Defl. | Total Defl. |
|---------|--------|----------|----------|-------------|
| 1+88.39 | - | - | 0°00'00" | 0°00'00" |
| 2+00.00 | 11.61' | 11.86' | 0°53'04" | 0°53'04" |
| 2+18.39 | 18.39' | 18.78' | 1°24'04" | 2°17'08" |
| 2+24.39 | 6.00' | 6.13' | 0°27'26" | 2°44'34" |
| 2+49.41 | 25.02' | 25.55' | 1°54'22" | 4°38'56" |

Curve #10
 Curve Data Based on Waterline
 Rad. = 126' Delta = 72°54'53\"/>

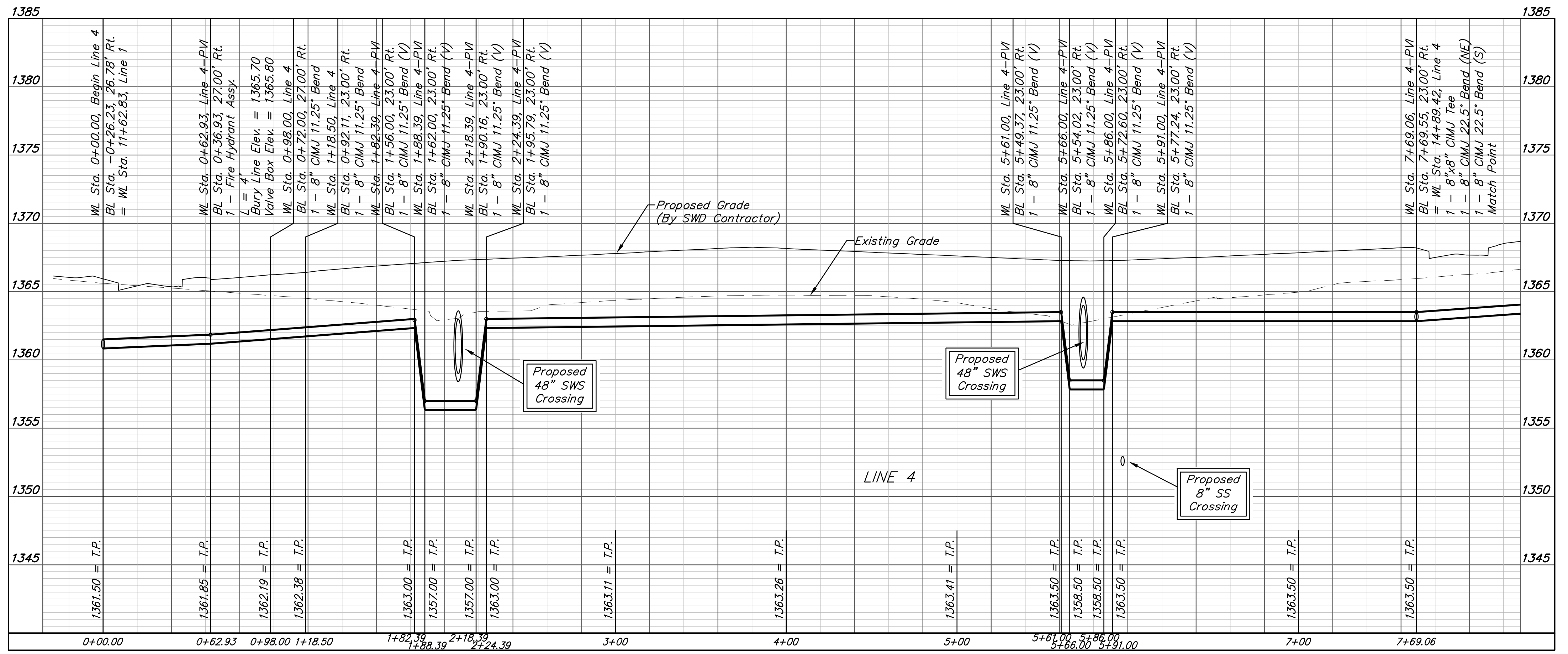
| Station | Arc | 8' Right | Defl. | Total Defl. |
|---------|--------|----------|----------|-------------|
| 2+49.41 | - | - | 0°00'00" | 0°00'00" |
| 2+75.00 | 25.59' | 23.92' | 5°49'05" | 5°49'05" |
| 3+00.00 | 25.00' | 23.37' | 5°41'03" | 11°30'08" |
| 3+25.00 | 25.00' | 23.37' | 5°41'02" | 17°11'10" |
| 3+50.00 | 25.00' | 23.37' | 5°41'03" | 22°52'13" |
| 3+75.00 | 25.00' | 23.37' | 5°41'02" | 28°33'15" |
| 4+00.00 | 25.00' | 23.37' | 5°41'03" | 34°14'18" |
| 4+09.76 | 9.76' | 9.14' | 2°13'09" | 36°27'27" |

Curve #11
 Curve Data Based on Waterline
 Rad. = 323' Delta = 40°52'41\"/>

| Station | Arc | 8' Right | Defl. | Total Defl. |
|---------|--------|----------|----------|-------------|
| 4+09.76 | - | - | 0°00'00" | 0°00'00" |
| 4+25.00 | 15.24' | 15.62' | 1°21'06" | 1°21'06" |
| 4+50.00 | 25.00' | 25.61' | 2°13'03" | 3°34'09" |
| 4+75.00 | 25.00' | 25.61' | 2°13'02" | 5°47'11" |
| 5+00.00 | 25.00' | 25.61' | 2°13'03" | 8°00'14" |
| 5+25.00 | 25.00' | 25.61' | 2°13'03" | 10°13'17" |
| 5+50.00 | 25.00' | 25.61' | 2°13'02" | 12°26'19" |
| 5+61.00 | 11.00' | 11.27' | 0°58'33" | 13°24'52" |
| 5+66.00 | 5.00' | 5.12' | 0°26'36" | 13°51'28" |
| 5+75.00 | 9.00' | 9.22' | 0°47'54" | 14°39'22" |
| 5+86.00 | 11.00' | 11.27' | 0°58'32" | 15°37'54" |
| 5+91.00 | 5.00' | 5.12' | 0°26'37" | 16°04'31" |
| 6+00.00 | 9.00' | 9.22' | 0°47'53" | 16°52'24" |
| 6+25.00 | 25.00' | 25.61' | 2°13'03" | 19°05'27" |
| 6+40.20 | 15.20' | 15.58' | 1°20'53" | 20°26'20" |

Curve #12
 Curve Data Based on Waterline
 Rad. = 167' Delta = 44°12'36\"/>

| Station | Arc | 8' Right | Defl. | Total Defl. |
|---------|--------|----------|----------|-------------|
| 6+40.20 | - | - | 0°00'00" | 0°00'00" |
| 6+75.00 | 34.80' | 33.07' | 5°58'11" | 5°58'11" |
| 7+00.00 | 25.00' | 23.78' | 4°17'19" | 10°15'30" |
| 7+25.00 | 25.00' | 23.78' | 4°17'19" | 14°32'49" |
| 7+50.00 | 25.00' | 23.78' | 4°17'18" | 18°50'07" |
| 7+69.06 | 19.06' | 18.14' | 3°16'11" | 22°06'18" |



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 NRD ADDITION
 Phase I & Entrance
LINE 4
 WATER DISTRIBUTION SYSTEM
 PROJECT NUMBER: 21-03-E865 & E870
 DESIGN: NBW DRAWN: TMS
 DATE: July 29, 2021
 SHEET OF **8 22**

File: E:\Projects\NRD Addition_19-04-P448\Engineering\Phase I\WTR 21-03-E865 EB70\WTR.dwg