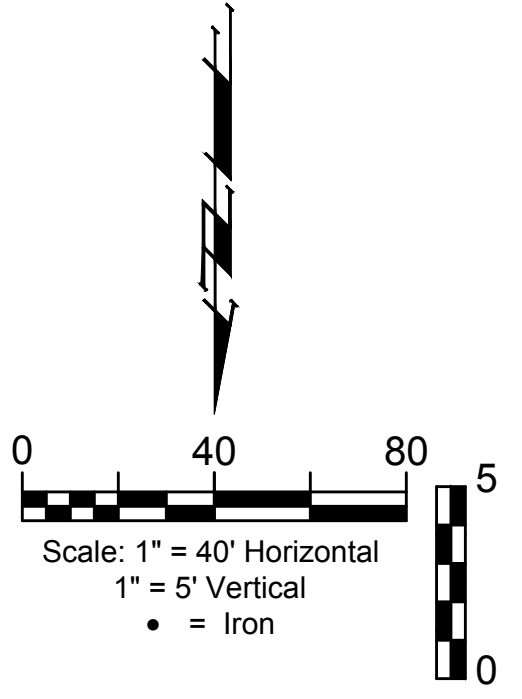
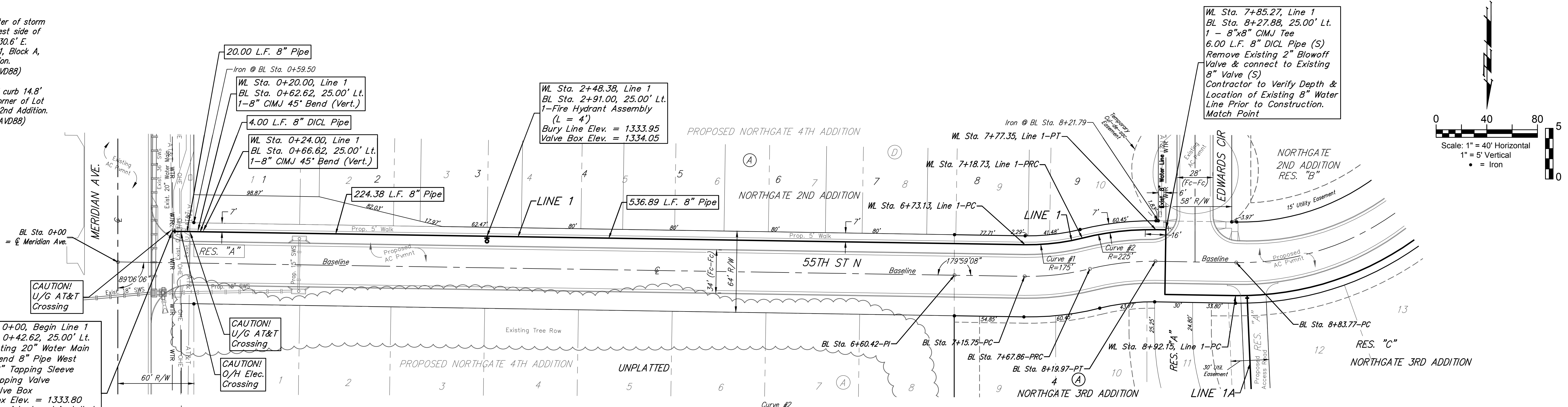


**BENCHMARKS:**  
 Chiseled square, center of storm water sewer vault, west side of Meridian, 145' S. & 30.6' E. of the NE Cor., Lot 1, Block A, Northgate 2nd Addition.  
 Elev. = 1334.49 (NAVD88)

Brass Disc in top of curb 14.8' west of southwest corner of Lot 9, Blk A, Northgate 2nd Addition.  
 Elev. = 1337.35 (NAVD88)



WL Sta. 0+00, Begin Line 1  
 BL Sta. 0+42.62, 25.00' Lt.  
 Tap Existing 20" Water Main and extend 8" Pipe West 1-20"x8" Tapping Sleeve 1-8" Tapping Valve 1-8" Valve Box  
 Valve Box Elev. = 1333.80  
 To be furnished and installed by the City of Wichita Water Department.  
 Contractor to verify depth & location of existing 20" water main prior to construction.

Note: Protective Fill to be Placed and Compacted per City Specs Prior to Water Line Installation.

Curve #1  
 Curve Data Based on Centerline  
 Rad. = 175' Delta = 14°55'41" Tangent = 22.93'  
 Arc = 45.60' L.C. = 45.47' Def./Ft. = 9.82109 Min.

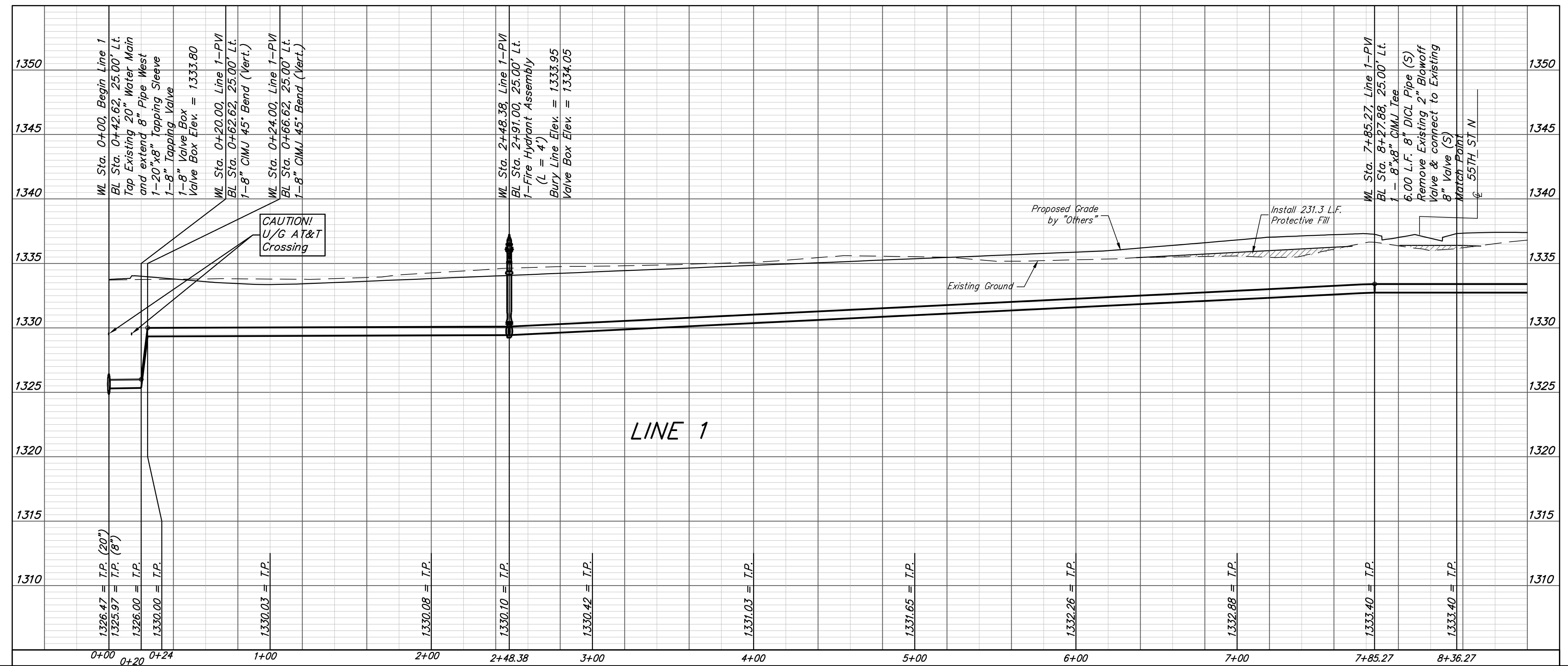
| Station | Arc    | Chord 8' Left | Defl.    | Total Defl. |
|---------|--------|---------------|----------|-------------|
| 6+73.13 | -      | -             | 0'00'00" | 0'00'00"    |
| 6+75.00 | 1.87'  | 1.78'         | 0'18'22" | 0'18'22"    |
| 7+00.00 | 25.00' | 23.83'        | 4'05'32" | 4'23'54"    |
| 7+18.73 | 18.73' | 17.86'        | 3'03'57" | 7'27'51"    |

Curve #2  
 Curve Data Based on Centerline  
 Rad. = 225' Delta = 14°55'41" Tangent = 29.48'  
 Arc = 58.62' L.C. = 58.46' Def./Ft. = 7.63974 Min.

| Station | Arc    | Chord 8' Left | Defl.    | Total Defl. |
|---------|--------|---------------|----------|-------------|
| 7+18.73 | -      | -             | 0'00'00" | 0'00'00"    |
| 7+25.00 | 6.27'  | 6.49'         | 0'47'54" | 0'47'54"    |
| 7+50.00 | 25.00' | 25.88'        | 3'11'00" | 3'58'54"    |
| 7+75.00 | 25.00' | 25.88'        | 3'10'59" | 7'09'53"    |
| 7+77.35 | 2.35'  | 2.43'         | 0'17'58" | 7'27'51"    |

Baseline =  
 ☉ 55th ST N

For Radii Under 300'  
 Contractor to Use Short Pipe Lengths



**Baughman** Northgate 3rd Addition  
**LINE 1**  
 Water Distribution System

PROJECT NUMBER: 448-2020-004499  
 DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: [Signature]  
 DATE: June 15, 2020  
 SCALE: Noted  
 SHEET: 4 OF 14