

**BENCHMARKS:**  
**BM #1:** City of Wichita Benchmark Disk at South End of Hubguard on the SW Cor. of R.C.B.C. West Side of Rock Road, 706' North-Northwest of the Northwest Corner of Lot 44, Block A, Rocky Ford Addition Elev. = 1367.92 NAVD88

**BM #2:** "□" on Fence Footing under warning US Airforce Installation Sign West of Rock Road, 400' N. of W<sub>1</sub>/2 Cor. Elev. = 1377.45 NAVD88

WL Sta. 0+00, Begin Line 1  
 BL Sta. 0+62.00, 23.00' Lt.  
 Connect to Proposed 12" Water Main and Extend 8" Pipe East. Contractor to Verify Depth & Location of Prop. 12" Water Line Prior to Construction.

Baseline = 34th St. S.  
 BL Sta. 0+00 = 34th St. S.  
 BL Sta. 0+80.00 = 34th St. S.

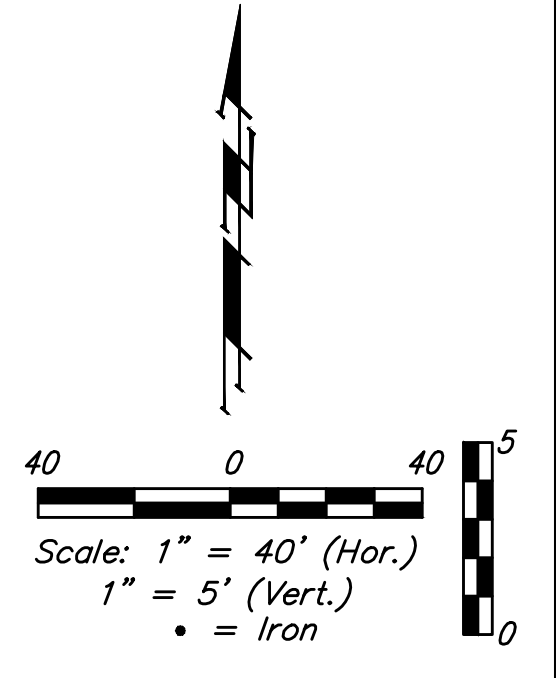
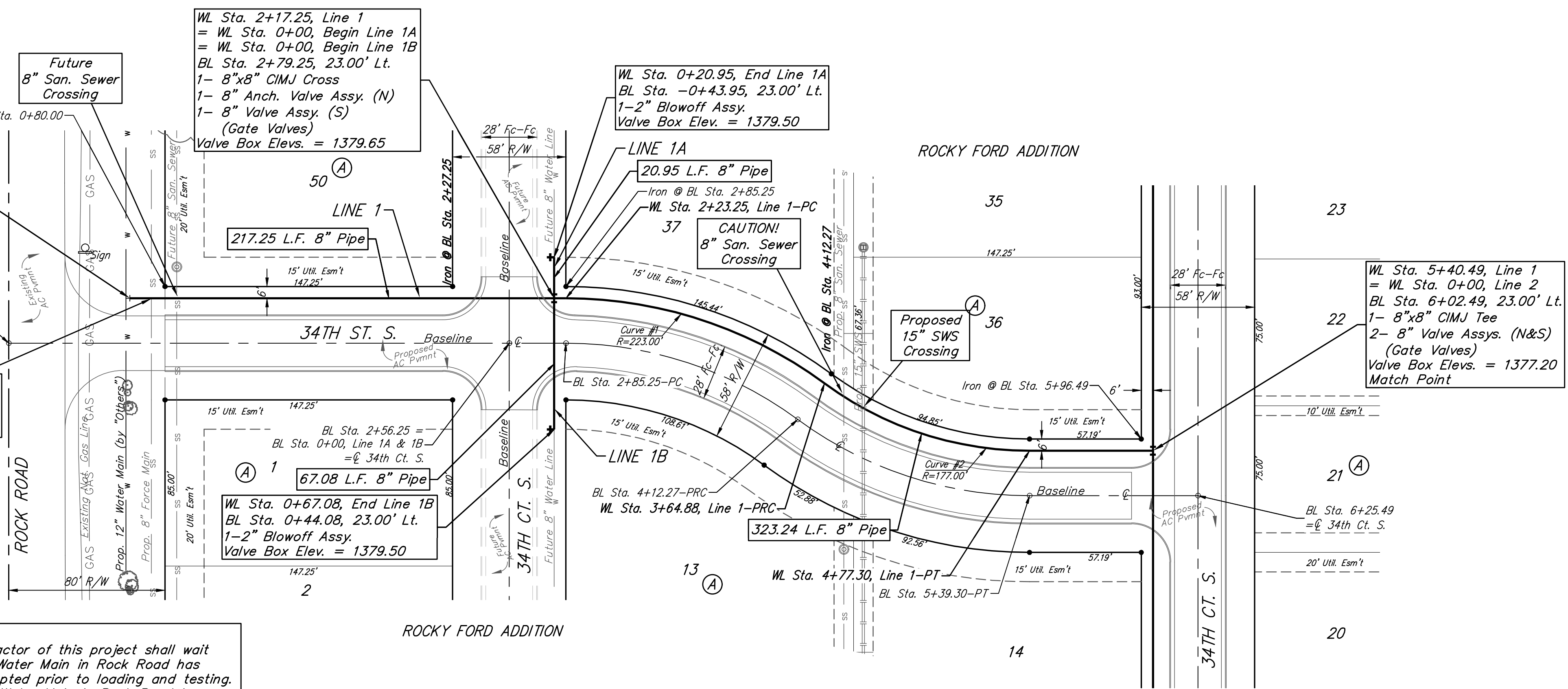
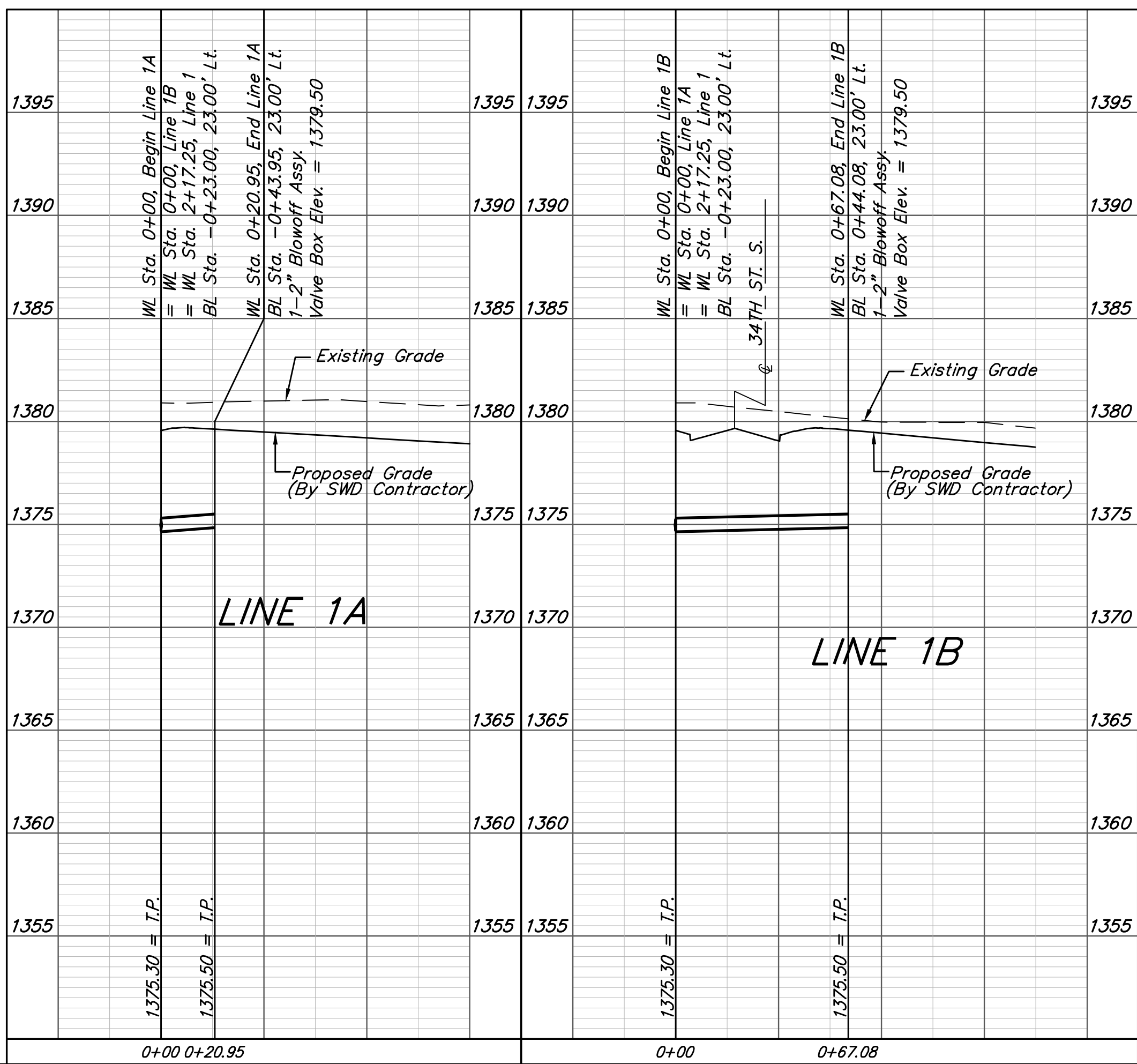
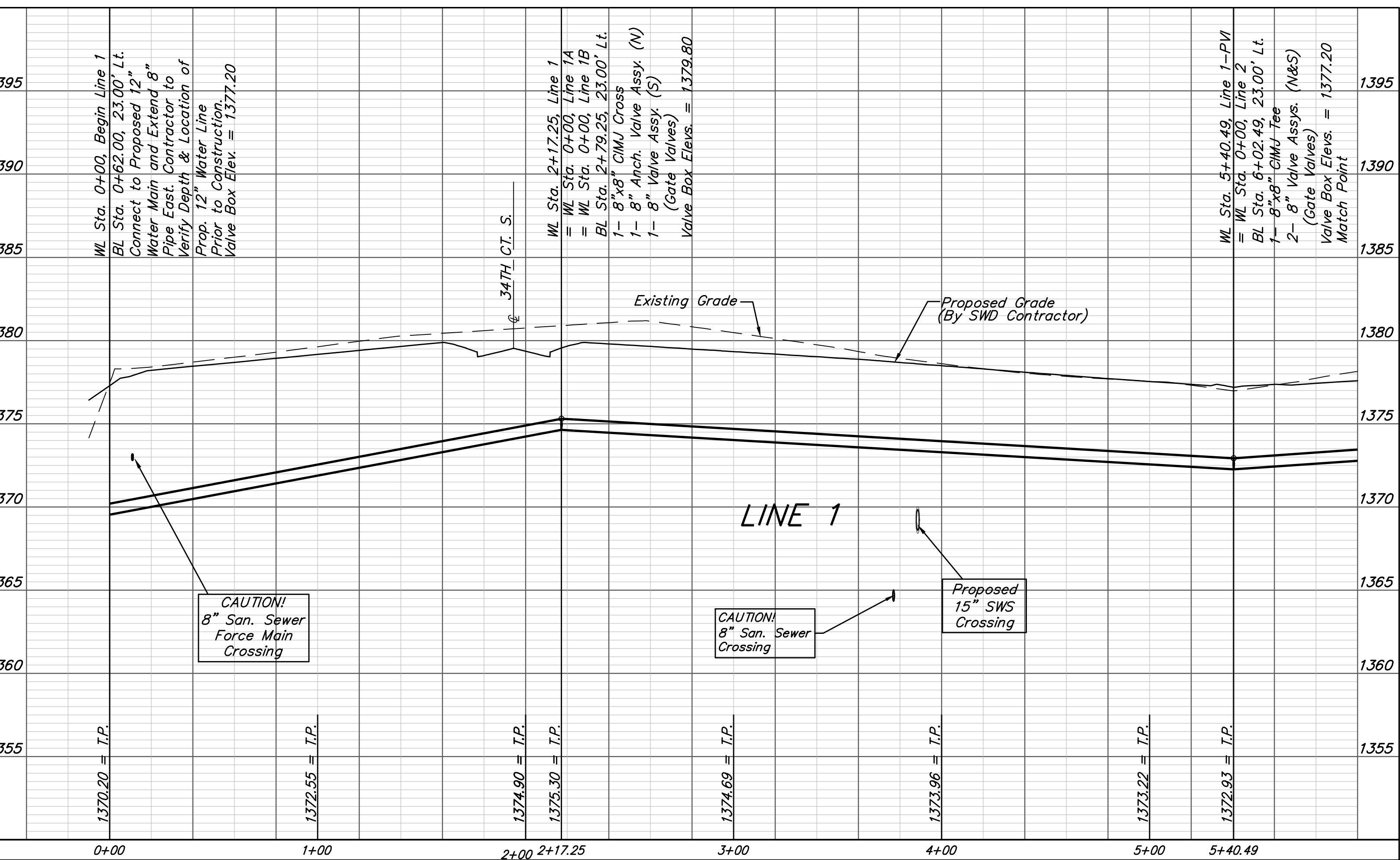
Curve #1  
 Curve Data Based on Centerline of Pipe  
 Rad. = 223' Delta = 36°23'23" Tangent = 73.30'  
 Arc = 141.63' L.C. = 139.26' Def./Ft. = 7.70805 Min.

Station	Arc	Chord 8' Left	Defl.	Total Defl.
2+10.25	-	-	0°00'00"	0°00'00"
2+25.00	14.75'	14.22'	1°53'42"	1°53'42"
2+50.00	25.00'	24.09'	3°12'42"	5°06'24"
2+75.00	25.00'	24.09'	3°12'42"	8°19'06"
3+00.00	25.00'	24.09'	3°12'42"	11°31'48"
3+25.00	25.00'	24.09'	3°12'42"	14°44'30"
3+50.00	25.00'	24.09'	3°12'42"	17°57'12"
3+51.88	1.88'	24.09'	0°14'30"	18°11'42"

Curve #2  
 Curve Data Based on Centerline of Pipe  
 Rad. = 177' Delta = 36°23'23" Tangent = 58.18'  
 Arc = 112.42' L.C. = 110.54' Def./Ft. = 9.71083 Min.

Station	Arc	Chord 8' Right	Defl.	Total Defl.
3+51.88	-	-	0°00'00"	0°00'00"
3+75.00	23.12'	22.06'	3°44'31"	3°44'31"
4+00.00	25.00'	23.85'	4°02'46"	7°47'17"
4+25.00	25.00'	23.85'	4°02'46"	11°50'03"
4+50.00	25.00'	23.85'	4°02'47"	15°52'50"
4+64.30	14.30'	13.65'	2°18'52"	18°11'42"

**NOTE:**  
 The Contractor of this project shall wait until the Water Main in Rock Road has been accepted prior to loading and testing. Once the Water Main in Rock Road is accepted the Contractor of this project shall make the connection. This work shall be incidental to linear feet of 8" Pipe.



**Baughman** Rocky Ford Addition Phase I  
**LINES 1, 1A, & 1B**  
 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: 448-90350  
 DESIGN: DMV  
 DRAWN: DJL  
 APPROVED: [Signature]  
 DATE: 10/24/17

REVISIONS:

SCALE: Noted  
 SHEET: **4 OF 14**