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

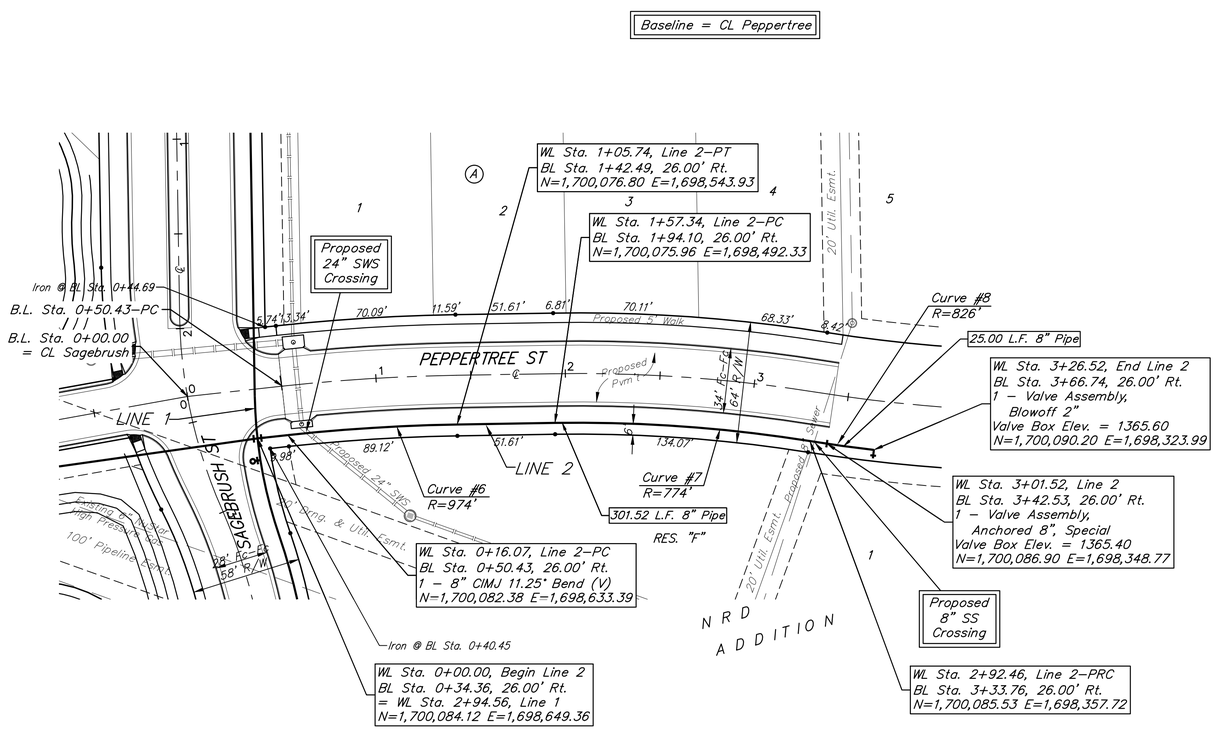
BM #2: Chiseled square on NW corner of catch basin, 962.0' W. & 35.8' N. of S1/4 Cor., Sec. 1, TWP. 27–S., R–2–E.
Elev. = 1363.84 NAVD88

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

Curve #6				
Curve Data Based on Waterline				
Rad. = 974' Delta = 5°16'30" Tangent = 44.87'				
Arc = 89.67' L.C. = 89.64' Def./Ft. = 1.76480 Min.				
Chord Lengths Station	Arc	8' Right	Defl.	Total Defl.
0+16.07	-	-	0°00'00"	0°00'00"
0+25.00	8.93'	8.86'	0°15'46"	0°15'46"
0+50.00	25.00'	24.79'	0°44'07"	0°59'53"
0+75.00	25.00'	24.79'	0°44'07"	1°44'00"
1+00.00	25.00'	24.79'	0°44'07"	2°28'07"
1+05.75	5.75'	5.70'	0°10'09"	2°38'16"

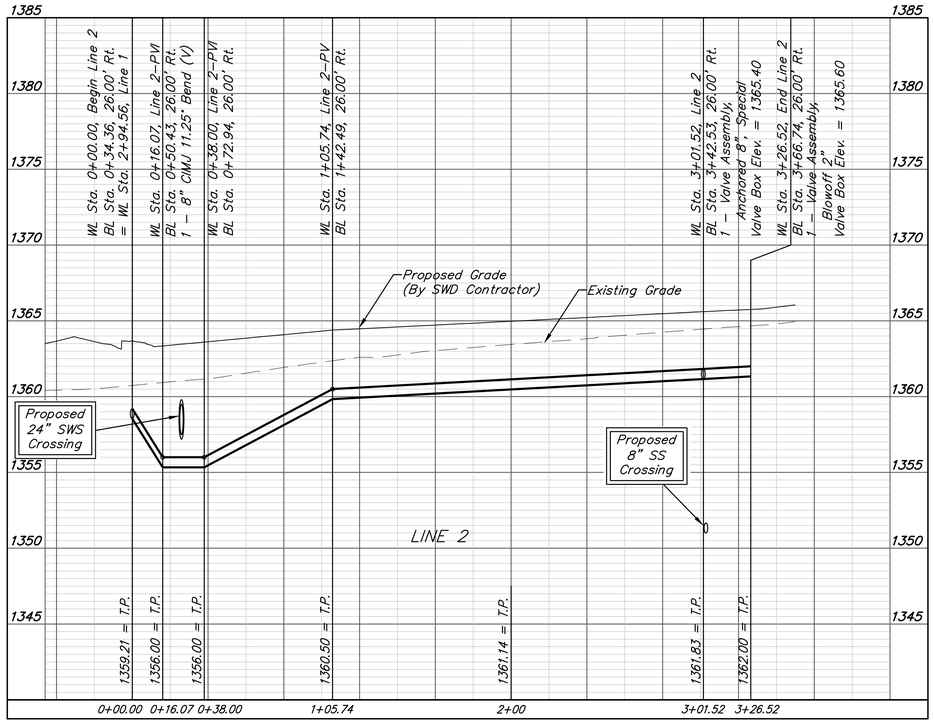
Curve #7				
Curve Data Based on Waterline				
Rad. = 774' Delta = 10°00'08" Tangent = 67.73'				
Arc = 135.12' L.C. = 134.95' Def./Ft. = 2.22074 Min.				
Chord Lengths Station	Arc	8' Right	Defl.	Total Defl.
1+57.34	-	-	0°00'00"	0°00'00"
1+75.00	17.66'	17.48'	0°39'13"	0°39'13"
2+00.00	25.00'	24.74'	0°55'31"	1°34'44"
2+25.00	25.00'	24.74'	0°55'31"	2°30'15"
2+50.00	25.00'	24.74'	0°55'31"	3°25'46"
2+75.00	25.00'	24.74'	0°55'32"	4°21'18"
2+92.46	17.46'	17.28'	0°38'46"	5°00'04"

Curve #8				
Curve Data Based on Waterline				
Rad. = 826' Delta = 2°21'44" Tangent = 17.03'				
Arc = 34.06' L.C. = 34.05' Def./Ft. = 2.08064 Min.				
Chord Lengths Station	Arc	8' Right	Defl.	Total Defl.
2+92.46	-	-	0°00'00"	0°00'00"
3+00.00	7.54'	7.61'	0°15'41"	0°15'41"
3+01.52	1.52'	1.53'	0°03'10"	0°18'51"
3+25.00	23.48'	23.70'	0°48'51"	1°07'42"
3+26.52	1.52'	1.53'	0°03'10"	1°10'52"



All water lines on this sheet are included in the Phase I water line project.

Contractor to maintain a minimum of 2' of vertical separation (O.D.–O.D.) between sanitary sewer and water line.



BRENT WOOTEN LICENSED 8470 08/03/2021 KANSAS PROFESSIONAL ENGINEER

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Wichita, KS 67211
316-262-7271
BaughmanCo.com

NRD ADDITION
Phase I & Entrance

LINE 2

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER:
21-03-E865 & E870

DESIGN: NBW DRAWN: TMS

DATE: July 29, 2021

SHEET 6 OF 22

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