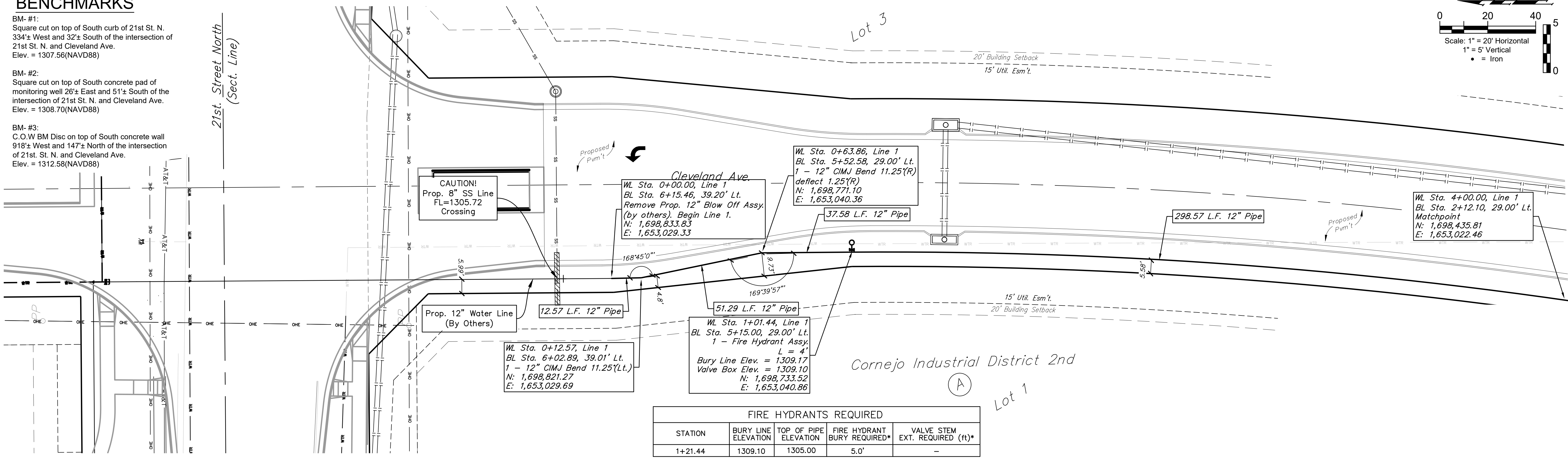
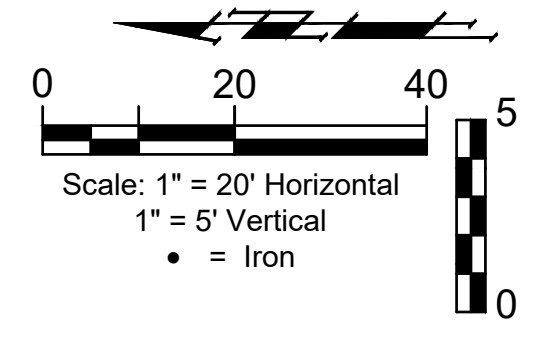


# BENCHMARKS

BM- #1:  
Square cut on top of South curb of 21st St. N.  
334± West and 32± South of the intersection of  
21st St. N. and Cleveland Ave.  
Elev. = 1307.56(NAVD88)

BM- #2:  
Square cut on top of South concrete pad of  
monitoring well 26± East and 51± South of the  
intersection of 21st St. N. and Cleveland Ave.  
Elev. = 1308.70(NAVD88)

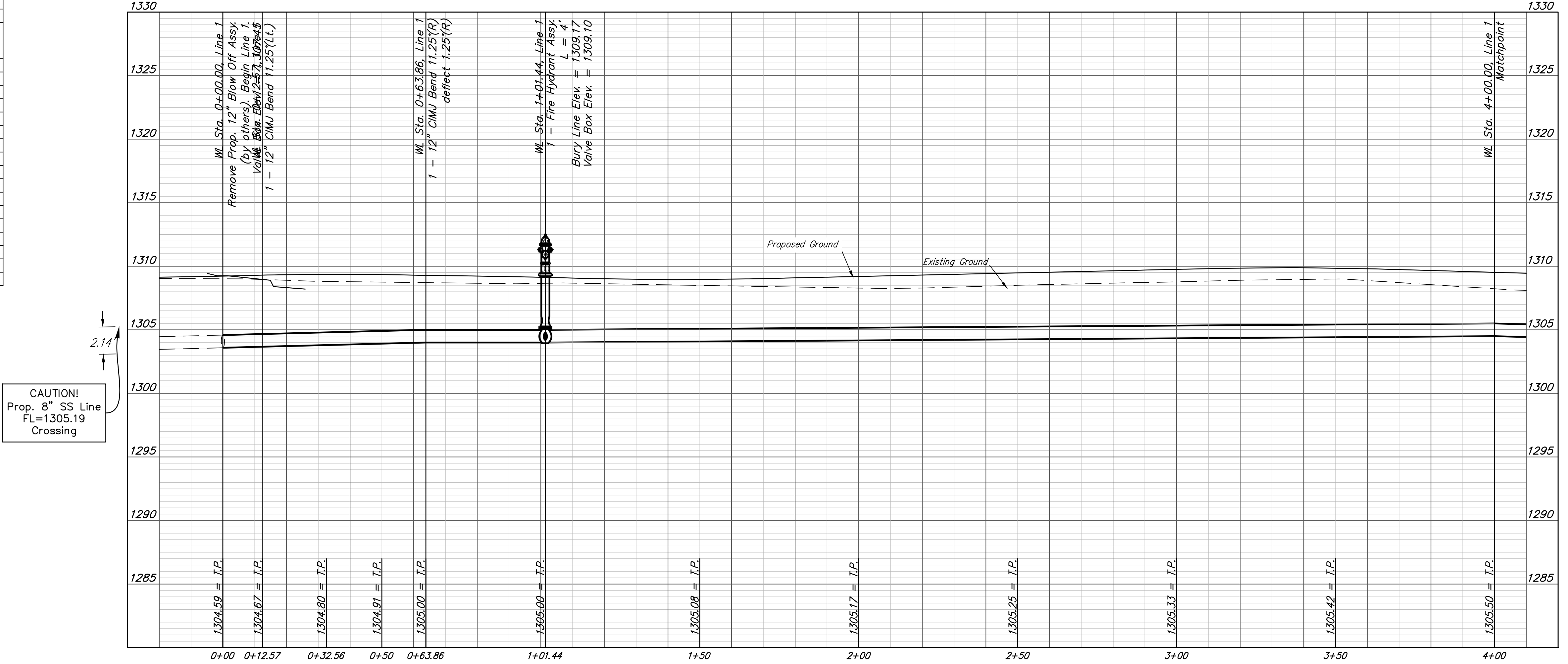
BM- #3:  
C.O.W BM Disc on top of South concrete wall  
918± West and 147± North of the intersection  
of 21st St. N. and Cleveland Ave.  
Elev. = 1312.58(NAVD88)



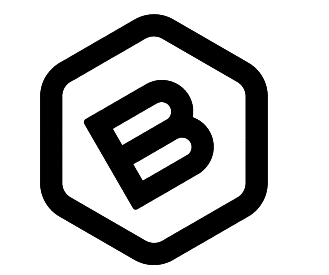
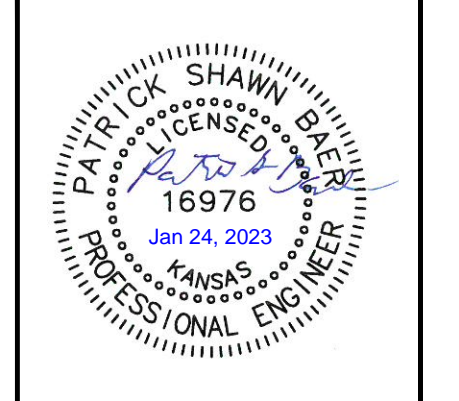
FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
1+21.44	1309.10	1305.00	5.0'	-

Curve #8					
Curve Data Based on Centerline of Pipe					
Rad. = 1992.551' Delta = 5°45'40" Tangent = 100.26'					
Arc = 453.27' L.C. = 200.27' Def./Ft. = 0.43208 Min.					
Station	Arc	Chord Lengths 8' Left	Chord Lengths 8' Right	Defl.	Total Defl.
0+00.00	-	-	-	0'00"00"	0'00"00"
0+25.00	25.00'	9.07'	8.99'	0'07"47"	0'07"47"
0+50.00	25.00'	9.07'	8.99'	0'07"48"	0'15"35"
0+75.00	25.00'	9.07'	8.99'	0'07"47"	0'23"22"
1+00.00	25.00'	9.07'	8.99'	0'07"47"	0'31'09"
1+25.00	25.00'	9.07'	8.99'	0'07"48"	0'38'57"
1+50.00	25.00'	9.07'	8.99'	0'07"47"	0'46'44"
1+75.00	25.00'	9.07'	8.99'	0'07"48"	0'54'32"
2+00.00	25.00'	9.07'	8.99'	0'07"47"	1'02'19"
2+25.00	25.00'	9.07'	8.99'	0'07"47"	1'10'06"
2+50.00	25.00'	9.07'	8.99'	0'07"48"	1'17'54"
2+75.00	25.00'	9.07'	8.99'	0'07"47"	1'25'41"
3+00.00	25.00'	9.07'	8.99'	0'07"47"	1'33'28"
3+25.00	25.00'	9.07'	8.99'	0'07"48"	1'41'16"
3+50.00	25.00'	9.07'	8.99'	0'07"47"	1'49'03"
3+75.00	25.00'	9.07'	8.99'	0'07"47"	1'56'50"
4+00.00	25.00'	9.07'	8.99'	0'07"48"	2'04'38"

## LINE 1



CAUTION!  
Prop. 8" SS Line  
FL=1305.19  
Crossing



**BAUGHMAN COMPANY**

315 Ellis St.  
Wichita, KS 67211  
316-262-7271  
BaughmanCo.com

Cornejo Industrial District 2nd

**Water Line 1  
Sta. 0+00 to  
Sta. 4+00  
Line 1**

Water Line Improvements

PROJECT NUMBER:  
448-2021-017261

DESIGN: PSB DRAWN: JA

DATE: Jan 23, 2023

SHEET **2** OF **15**

File: E:\Projects\Cornejo Industrial District\_2nd (21-10-P717)\Engineering\Phase 1\WTRCID PPW 2nd Petition.dwg