

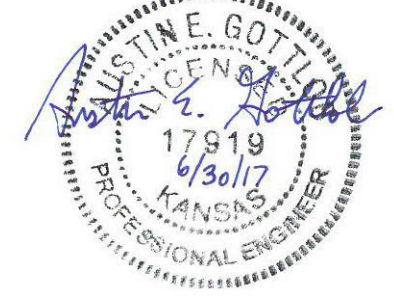
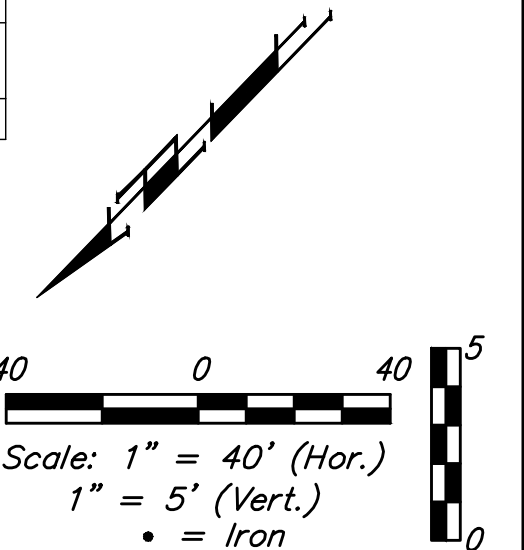
BENCHMARKS:
 RR spike in asphalt, SW COR., N1/2, SW1/4, Sec. 34, TWP. 26-S, R-2-E. Elev. = 1400.59 NAVD88

RR spike in E. face of power pole, 174± N. of S. line, N1/2, SW1/4, & 49± E. of W. line, SW1/4, Sec. 34, TWP. 26-S, R-2-E. Elev. = 1398.64 NAVD88

RR spike in S. face of power pole, 294± S. of N. line, SW1/4, & 48± E. of W. line, SW1/4, Sec. 34, TWP. 26-S, R-2-E. Elev. = 1386.14 NAVD88

BROOKFIELD ADDITION

FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
18+05.67	1375.55	1371.70	4.5	-



Curve #5
 Curve Data Based on Centerline of Pipe
 Rad. = 626' Delta = 29°58'39" Tangent = 167.60'
 Arc = 326.73' L.C. = 323.80' Def./Ft. = 2.75250 Min.

Station	Arc	Chord 8' Right	Defl.	Total Defl.
16+41.81	-	-	0'00"00"	0'00"00"
16+50.00	8.19'	8.31'	0'22"33"	0'22"33"
16+67.81	17.81'	18.08'	0'49"01"	1'11"34"
16+75.00	7.19'	7.30'	0'19"47"	1'31"21"
17+00.00	25.00'	25.38'	1'08"49"	2'40"10"
17+25.00	25.00'	25.38'	1'08"49"	3'48"59"
17+50.00	25.00'	25.38'	1'08"49"	4'57"48"
17+75.00	25.00'	25.38'	1'08"49"	6'06"36"
18+00.00	25.00'	25.38'	1'08"49"	7'15"25"
18+25.00	25.00'	25.38'	1'08"49"	8'24"14"
18+50.00	25.00'	25.38'	1'08"49"	9'33"03"
18+75.00	25.00'	25.38'	1'08"49"	10'41"51"
19+00.00	25.00'	25.38'	1'08"49"	11'50"40"
19+25.00	25.00'	25.38'	1'08"49"	12'59"29"
19+50.00	25.00'	25.38'	1'08"49"	14'08"18"
19+68.54	18.54'	18.82'	0'51"01"	14'59"19"

Curve #4
 Curve Data Based on Centerline of Pipe
 Rad. = 374' Delta = 21°37'45" Tangent = 71.44'
 Arc = 141.19' L.C. = 140.35' Def./Ft. = 4.59576 Min.

Station	Arc	Chord 8' Right	Defl.	Total Defl.
15+00.62	-	-	0'00"00"	0'00"00"
15+25.00	24.38'	23.85'	1'52"03"	1'52"03"
15+50.00	25.00'	24.46'	1'54"53"	3'46"56"
15+75.00	25.00'	24.46'	1'54"54"	5'41"50"
16+00.00	25.00'	24.46'	1'54"54"	7'36"44"
16+25.00	25.00'	24.46'	1'54"53"	9'31"37"
16+41.81	16.81'	16.45'	1'17"15"	10'48"52"

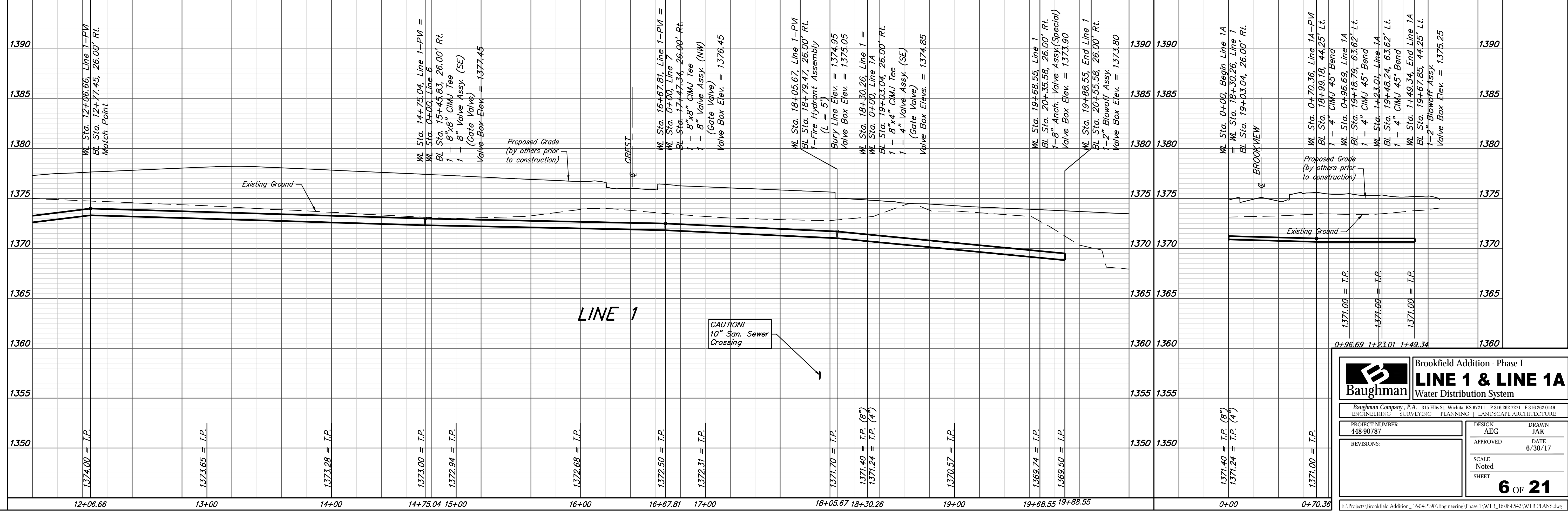
WL Sta. 14+75.04, Line 1 =
 WL Sta. 0+00, Line 6
 BL Sta. 15+45.83, 26.00' Rt.
 1 - 8"x8" CIMJ Tee
 1 - 8" Valve Assy. (SE)
 (Gate Valve)
 Valve Box Elev. = 1377.45

WL Sta. 16+67.81, Line 1 =
 WL Sta. 0+00, Line 7
 BL Sta. 17+47.34, 25.98' Rt.
 1 - 8"x8" CIMJ Tee
 1 - 8" Valve Assy. (NW)
 (Gate Valve)
 Valve Box Elev. = 1376.45

WL Sta. 18+05.67, Line 1
 BL Sta. 18+79.47, 26.00' Rt.
 1 - Fire Hydrant Assembly
 (L = 5')
 Bury Line Elev. = 1374.95
 Valve Box Elev. = 1375.05

WL Sta. 19+68.55, End Line 1
 BL Sta. 20+35.58, 26.00' Rt.
 1 - 8"x4" CIMJ Tee
 1 - 4" Valve Assy. (SE)
 (Gate Valve)
 Valve Box Elev. = 1374.85

WL Sta. 19+68.55, Line 1
 BL Sta. 20+35.58, 26.00' Rt.
 1 - 8" Anch. Valve Assy. (Special)
 Valve Box Elev. = 1373.90



Baughman Brookfield Addition - Phase I
LINE 1 & LINE 1A
 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: 448-90787
 DESIGN: AEG
 DRAWN: JAK
 APPROVED: [Signature]
 DATE: 6/30/17

REVISIONS:

SCALE: Noted
 SHEET: **6 OF 21**

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