

BENCHMARKS:
 CITY OF WICHITA BENCHMARK DISK
 34.9' S. & 31.2' W. OF THE SW COR.,
 NW1/4, SEC. 2, TWP. 27-S, R-1-W.
 ELEV. = 1327.57 NAVD88

CITY OF WICHITA BENCHMARK DISK
 26.2' S. & 46.1' W. OF THE NW COR.,
 NW1/4, SEC. 2, TWP. 27-S, R-1-W.
 ELEV. = 1330.50 NAVD88

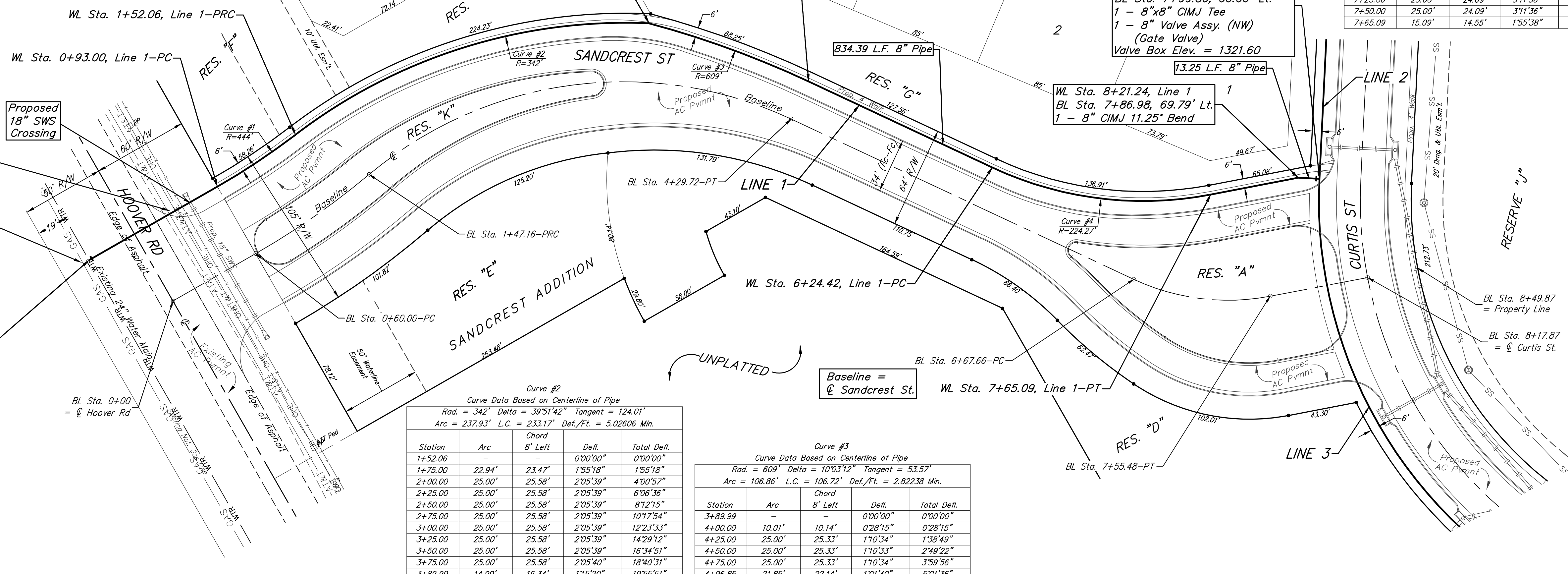
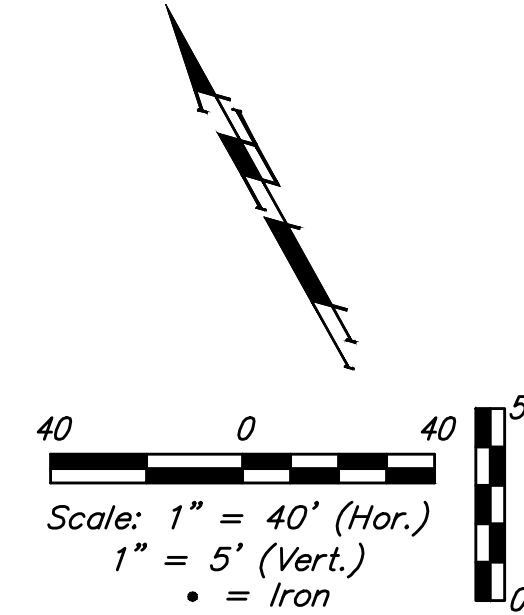
CITY OF WICHITA BENCHMARK DISK
 0.9' E. & 29' N. OF THE NE COR.,
 NW1/4, SEC. 2, TWP. 27-S, R-1-W.
 ELEV. = 1325.19 NAVD88

Curve #1
 Curve Data Based on Centerline of Pipe
 Rad. = 444' Delta = 73°15' Tangent = 29.57'
 Arc = 59.06' L.C. = 59.01' Def./Ft. = 3.87106 Min.

Station	Arc	Chord	8' Left	Defl.	Total Defl.
0+93.00	-	-	-	0°00'00"	0°00'00"
1+00.00	7.00'	6.87'	0°27'06"	0°27'06"	0°27'06"
1+25.00	25.00'	24.54'	1°36'46"	2°03'52"	2°03'52"
1+50.00	25.00'	24.54'	1°36'47"	3°40'39"	3°40'39"
1+52.06	2.06'	2.02'	0°07'59"	3°48'38"	3°48'38"

Curve #4
 Curve Data Based on Centerline of Pipe
 Rad. = 224.27' Delta = 35°56'19" Tangent = 72.74'
 Arc = 140.68' L.C. = 138.38' Def./Ft. = 2.66391 Min.

Station	Arc	Chord	8' Left	Defl.	Total Defl.
6+24.41	-	-	-	0°00'00"	0°00'00"
6+25.00	0.59'	0.57'	0°04'31"	0°04'31"	0°04'31"
6+50.00	25.00'	24.09'	3°11'36"	3°11'36"	3°11'36"
6+75.00	25.00'	24.09'	3°11'36"	6°27'43"	6°27'43"
7+00.00	25.00'	24.09'	3°11'36"	9°39'19"	9°39'19"
7+25.00	25.00'	24.09'	3°11'36"	12°50'55"	12°50'55"
7+50.00	25.00'	24.09'	3°11'36"	16°02'31"	16°02'31"
7+65.09	15.09'	14.55'	1°55'38"	17°58'09"	17°58'09"



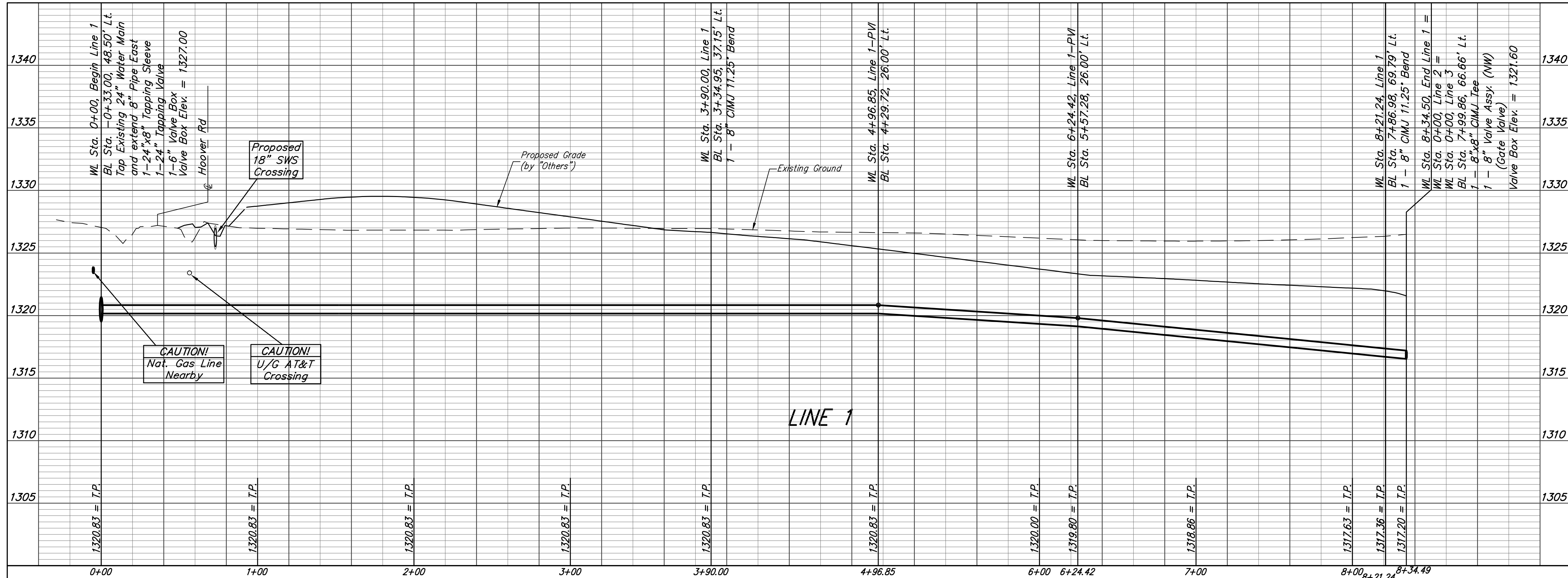
WL Sta. 0+00, Begin Line 1
 BL Sta. -0+33.00, 48.50' Lt.
 Tap Existing 24" Water Main
 and extend 8" Pipe East
 1-24"x8" Tapping Sleeve
 1-24" Tapping Valve
 1-6" Valve Box
 Valve Box Elev. = 1327.10
 Contractor to Verify Depth &
 Location of Existing 24" Water
 Main Prior to Construction

Curve #2
 Curve Data Based on Centerline of Pipe
 Rad. = 342' Delta = 39°51'42" Tangent = 124.01'
 Arc = 237.93' L.C. = 233.17' Def./Ft. = 5.02606 Min.

Station	Arc	Chord	8' Left	Defl.	Total Defl.
1+52.06	-	-	-	0°00'00"	0°00'00"
1+75.00	22.94'	23.47'	1°55'18"	1°55'18"	1°55'18"
2+00.00	25.00'	25.58'	2°05'39"	4°00'57"	4°00'57"
2+25.00	25.00'	25.58'	2°05'39"	6°06'36"	6°06'36"
2+50.00	25.00'	25.58'	2°05'39"	8°12'15"	8°12'15"
2+75.00	25.00'	25.58'	2°05'39"	10°17'54"	10°17'54"
3+00.00	25.00'	25.58'	2°05'39"	12°23'33"	12°23'33"
3+25.00	25.00'	25.58'	2°05'39"	14°29'12"	14°29'12"
3+50.00	25.00'	25.58'	2°05'39"	16°34'51"	16°34'51"
3+75.00	25.00'	25.58'	2°05'40"	18°40'31"	18°40'31"
3+89.99	14.99'	15.34'	1°15'20"	19°55'51"	19°55'51"

Curve #3
 Curve Data Based on Centerline of Pipe
 Rad. = 609' Delta = 10°03'12" Tangent = 53.57'
 Arc = 106.86' L.C. = 106.72' Def./Ft. = 2.82238 Min.

Station	Arc	Chord	8' Left	Defl.	Total Defl.
3+89.99	-	-	-	0°00'00"	0°00'00"
4+00.00	10.01'	10.14'	0°28'15"	0°28'15"	0°28'15"
4+25.00	25.00'	25.33'	1°10'34"	1°38'49"	1°38'49"
4+50.00	25.00'	25.33'	1°10'33"	2°49'22"	2°49'22"
4+75.00	25.00'	25.33'	1°10'34"	3°59'56"	3°59'56"
4+96.85	21.85'	22.14'	1°01'40"	5°01'36"	5°01'36"



Baughman Sandcrest Addition - Phase I
LINE 1
 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: 448-90702
 DESIGN: AEG
 DRAWN: JAK
 APPROVED: [Signature]
 DATE: 5/17/16

REVISIONS:

SCALE: Noted
 SHEET: 4 OF 19

[My Projects\Pearl Beach\WTR PLANS.dwg]