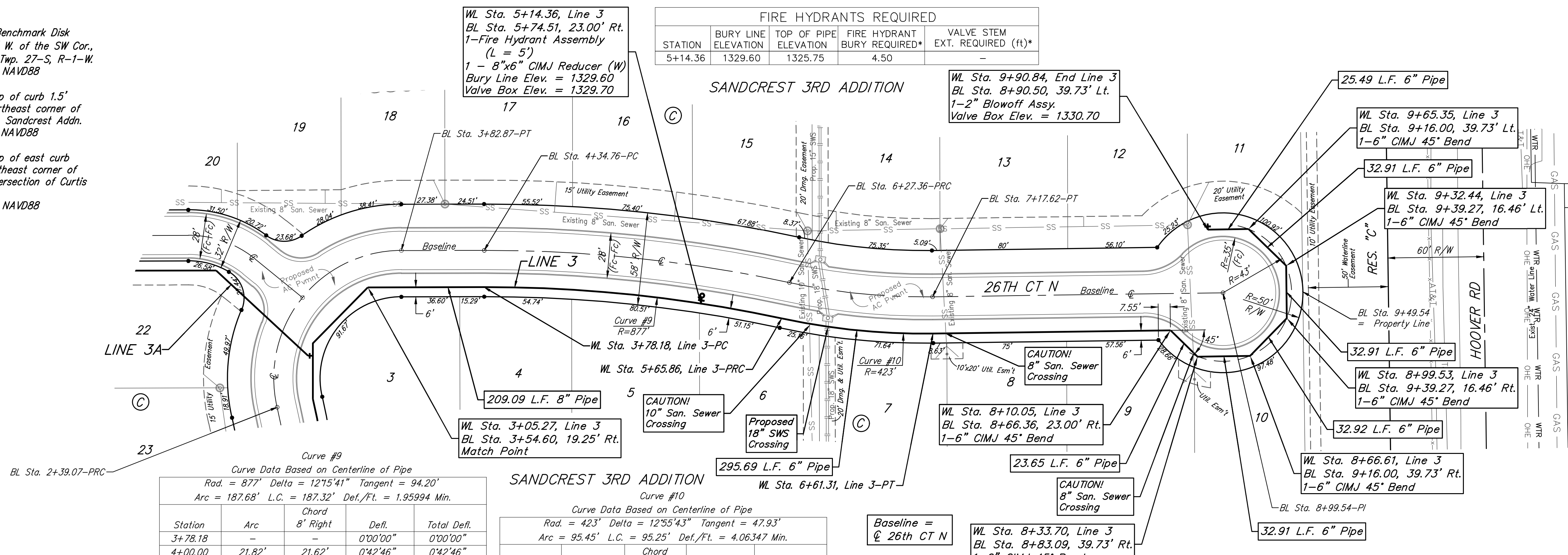


**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88

FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
5+14.36	1329.60	1325.75	4.50	-

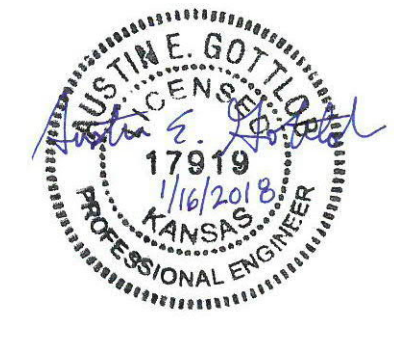
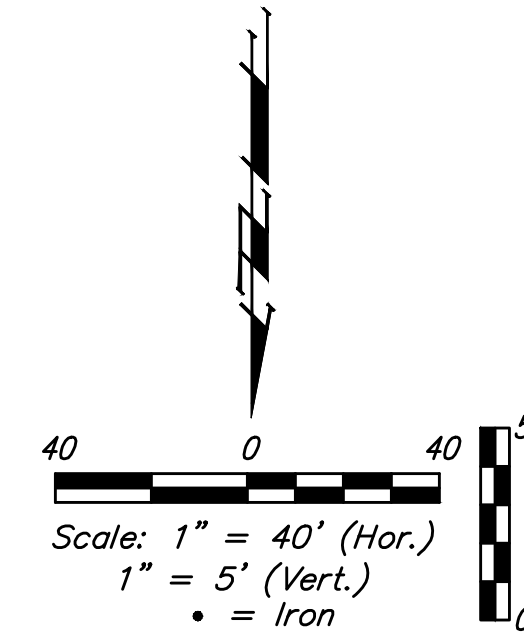
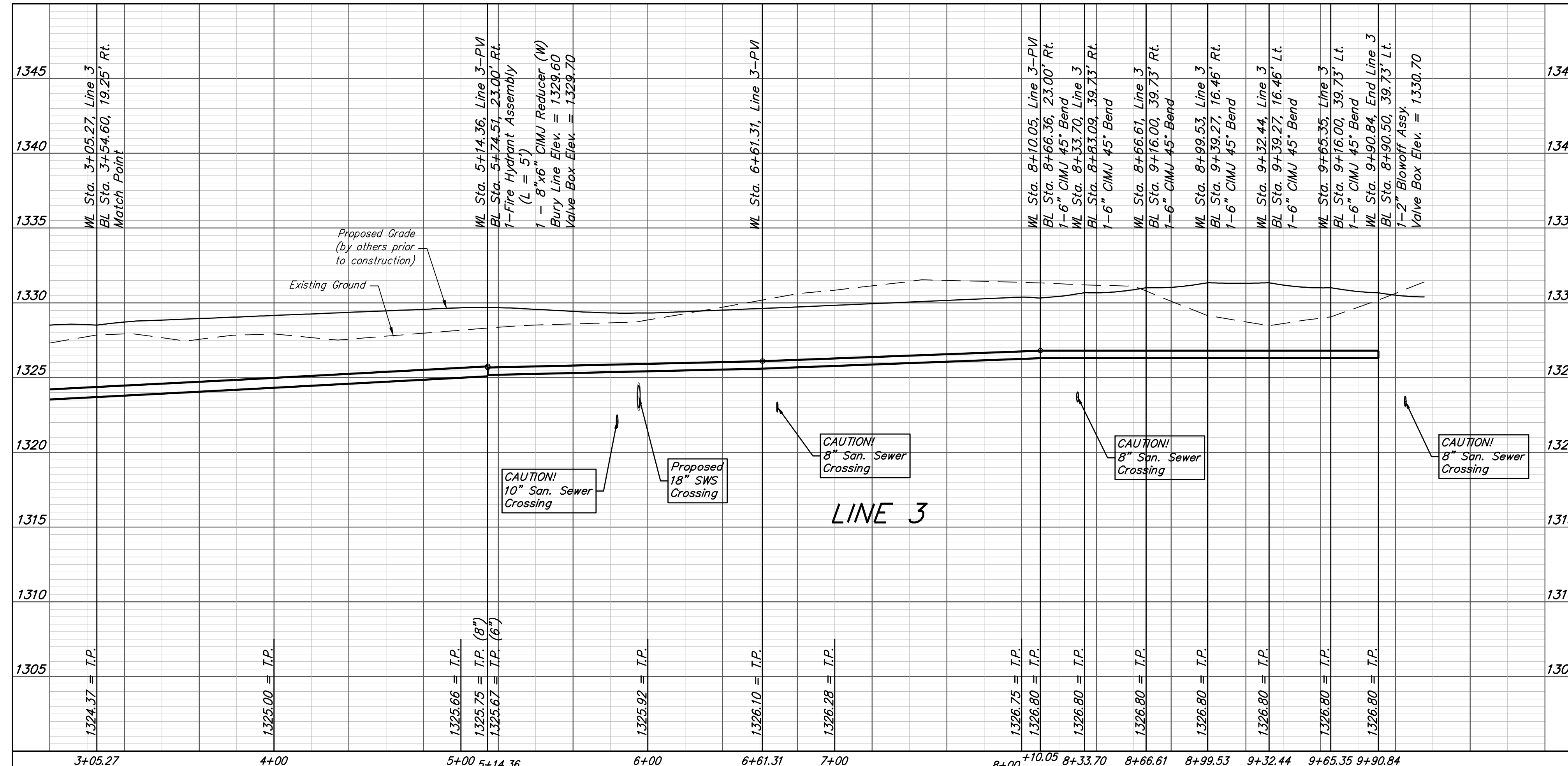


Curve #9  
 Curve Data Based on Centerline of Pipe  
 Rad. = 877' Delta = 121°54' Tangent = 94.20'  
 Arc = 187.68' L.C. = 187.32' Def./Ft. = 1.95994 Min.

Station	Arc	Chord	Defl.	Total Defl.
3+78.18	-	-	0°00'00"	0°00'00"
4+00.00	21.82'	21.62'	0°42'46"	0°42'46"
4+25.00	25.00'	24.77'	0°49'00"	1°31'46"
4+50.00	25.00'	24.77'	0°49'00"	2°20'46"
4+75.00	25.00'	24.77'	0°49'00"	3°09'46"
5+00.00	25.00'	24.77'	0°49'00"	3°58'46"
5+25.00	25.00'	24.77'	0°49'00"	4°47'46"
5+50.00	25.00'	24.77'	0°48'59"	5°36'45"
5+65.86	15.86'	15.72'	0°31'05"	6°07'50"

Curve #10  
 Curve Data Based on Centerline of Pipe  
 Rad. = 423' Delta = 12°55'43" Tangent = 47.93'  
 Arc = 95.45' L.C. = 95.25' Def./Ft. = 4.06347 Min.

Station	Arc	Chord	Defl.	Total Defl.
5+65.86	-	-	0°00'00"	0°00'00"
5+75.00	9.14'	9.31'	0°37'08"	0°37'08"
6+00.00	25.00'	25.47'	1°41'36"	2°18'44"
6+25.00	25.00'	25.47'	1°41'35"	4°00'19"
6+50.00	25.00'	25.47'	1°41'35"	5°41'54"
6+61.31	11.31'	11.52'	0°45'58"	6°27'52"



	Sandcrest 3rd Addition	
	<b>LINE 3</b>	
Water Distribution System		
<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149          ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small>		
PROJECT NUMBER 448-90860	DESIGN AEG	DRAWN JAK
REVISIONS:	APPROVED	DATE 1/15/18
	SCALE Noted	SHEET
		<b>8 OF 18</b>

I:\Projects\Sandcrest 3rd Addition\_1706\F290\Engineering\Phase 1\Wtr\_1611-E582\WTR PLANS.dwg