

BENCHMARKS:
 BM #1 - "□" on top of curb, north side of Calvert, 14.7' south of the most southerly corner common to Lots 83 and 84, Block D, Blue Lake Addition.
 Elev. = 103.95 City Datum

BM #2 - "□" with + cut on northwest face of drop inlet on north side of MacArthur Road, 79.4' North of centerline of MacArthur Road and 152.3' E/SE of southwest corner of Reserve "C", Blue Lake 3rd Addition.
 Elev. = 95.55 City Datum

WL Sta. 0+00.00, Begin Line 1-PC
 BL Sta. 0+00.00, 26.00' Rt.
 Remove existing blowoff assembly and extend pipe west. Contractor to verify depth & location of existing water line prior to construction.
 N=27,985.45 E=32,912.68

Trees in conflict with water line construction to be removed by contractor. To be paid for as lump sum bid item "Site Clearing"

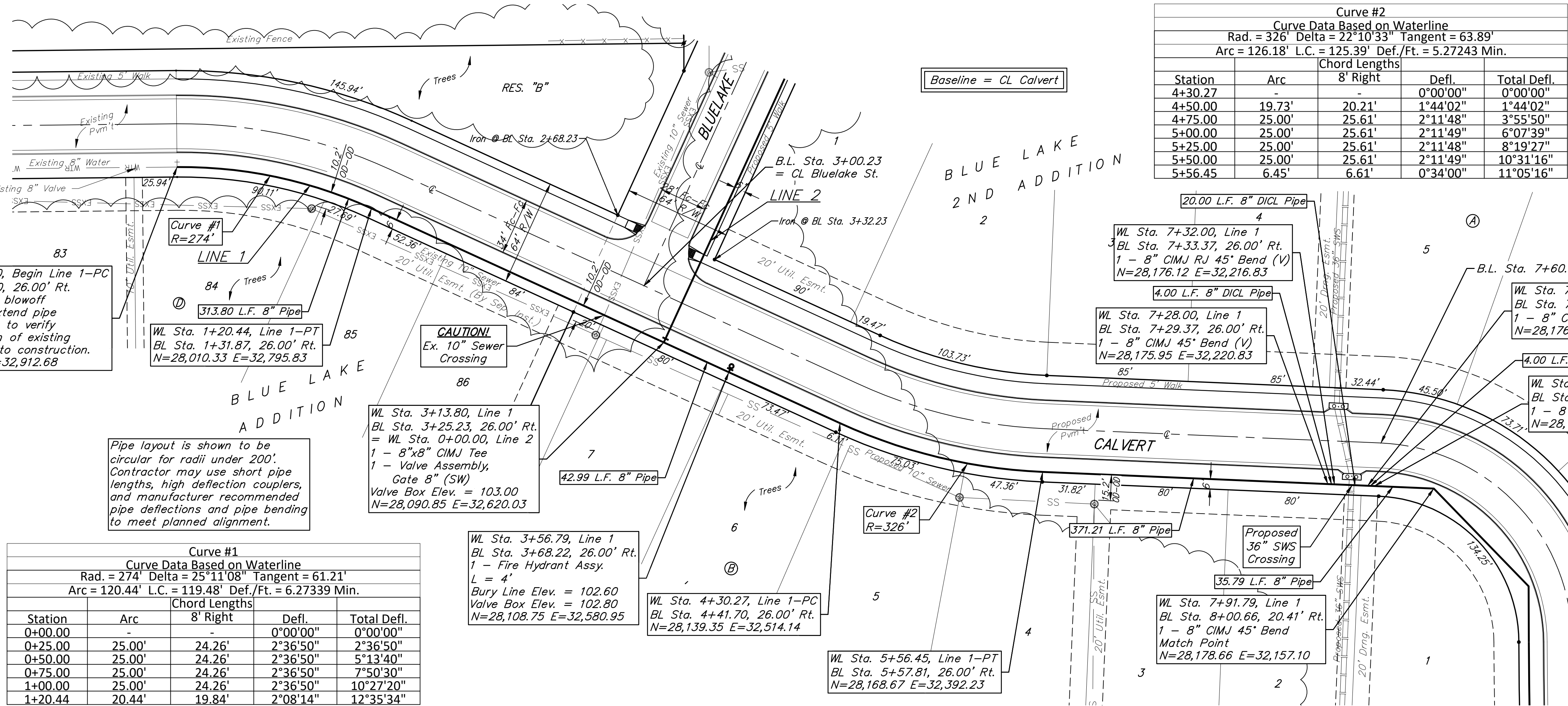
All other trees shall remain and be protected from damage during construction. Overhanging limbs shall be trimmed by the Contractor using a chain saw only as necessary for construction and with approval of the Engineer. Cost of tree trimming to be included in bid item "Site Clearing"

Pipe layout is shown with horizontal and vertical deflections. Contractor to use short pipe lengths, high deflection couplers, and manufacturer recommended pipe deflections to meet planned alignment.

Contractor to maintain a minimum of 10' of horizontal separation (O.D.-O.D.) between sanitary sewer and water line.

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

DEPTH UNKNOWN
 Contractor to Verify Depth & Location of Existing Water Line Prior to Construction.

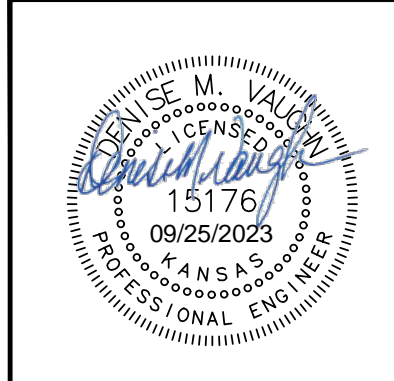
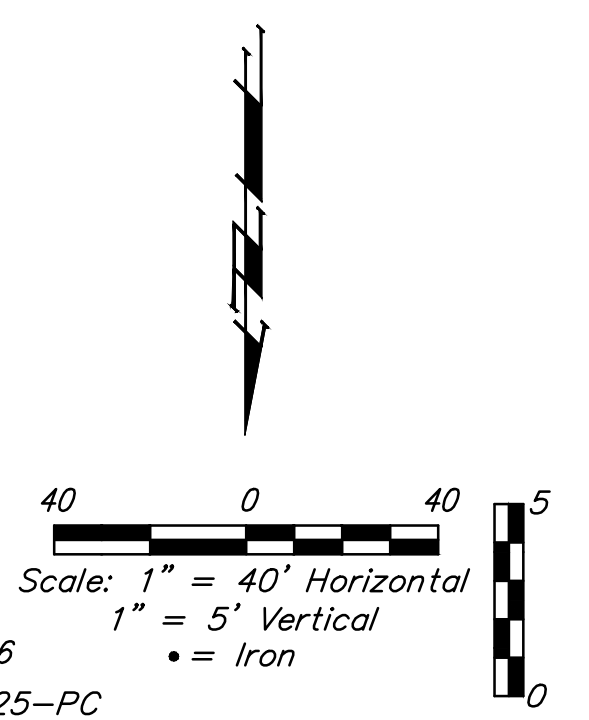
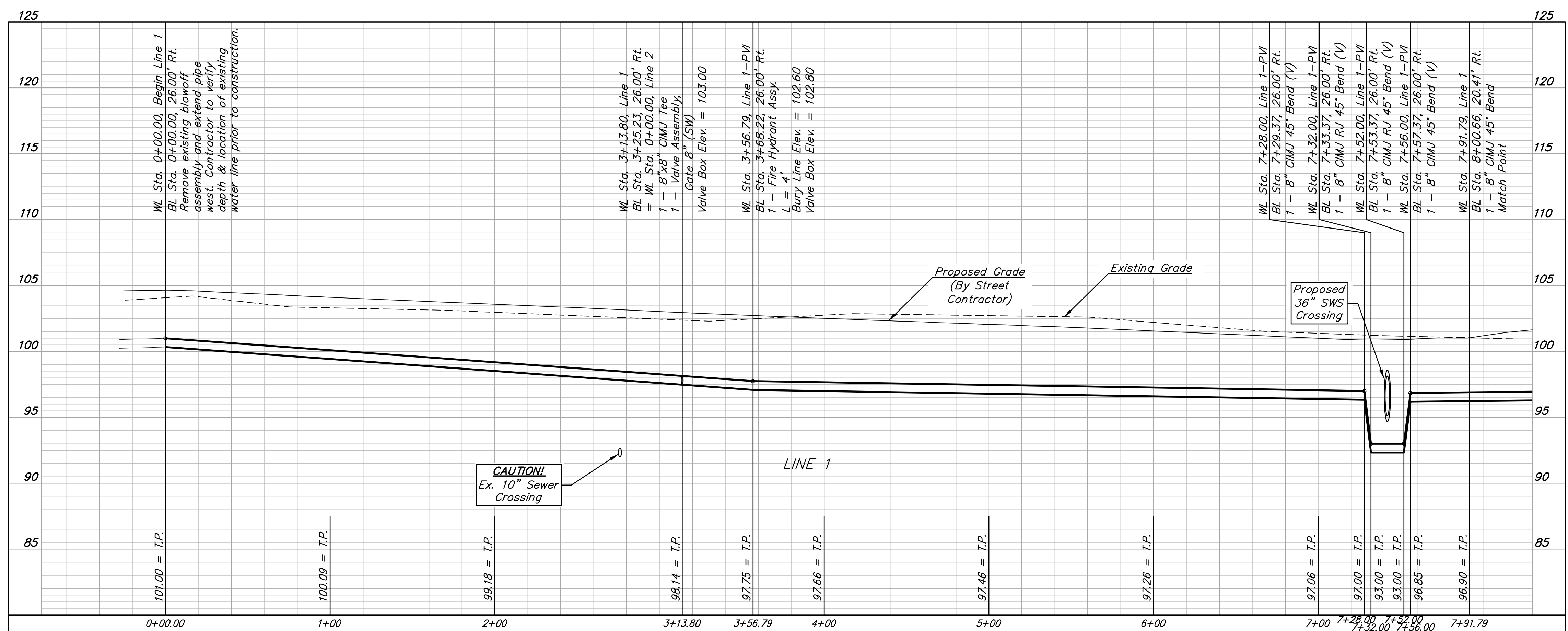


Curve #2
 Curve Data Based on Waterline
 Rad. = 326' Delta = 22°10'33" Tangent = 63.89'
 Arc = 126.18' L.C. = 125.39' Def./Ft. = 5.27243 Min.

Station	Arc	8' Right	Defl.	Total Defl.
4+30.27	-	-	0°00'00"	0°00'00"
4+50.00	19.73'	20.21'	1°44'02"	1°44'02"
4+75.00	25.00'	25.61'	2°11'48"	3°55'50"
5+00.00	25.00'	25.61'	2°11'49"	6°07'39"
5+25.00	25.00'	25.61'	2°11'48"	8°19'27"
5+50.00	25.00'	25.61'	2°11'49"	10°31'16"
5+56.45	6.45'	6.61'	0°34'00"	11°05'16"

Curve #1
 Curve Data Based on Waterline
 Rad. = 274' Delta = 25°11'08" Tangent = 61.21'
 Arc = 120.44' L.C. = 119.48' Def./Ft. = 6.27339 Min.

Station	Arc	Chord Lengths	8' Right	Defl.	Total Defl.
0+00.00	-	-	-	0°00'00"	0°00'00"
0+25.00	25.00'	24.26'	2°36'50"	2°36'50"	
0+50.00	25.00'	24.26'	2°36'50"	5°13'40"	
0+75.00	25.00'	24.26'	2°36'50"	7°50'30"	
1+00.00	25.00'	24.26'	2°36'50"	10°27'20"	
1+20.44	20.44'	19.84'	2°08'14"	12°35'34"	



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

BLUE LAKE ADD./2ND ADD.
 PHASE 1

LINE 1

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER:
 448-2023-003059

DESIGN: DMV DRAWN: TMS

DATE: 9/25/2023

SHEET OF
2 20

File: E:\Projects\Blue Lake 2nd Addition\Engineering\Phase 1\Wtr 23-03-E469Water.dwg