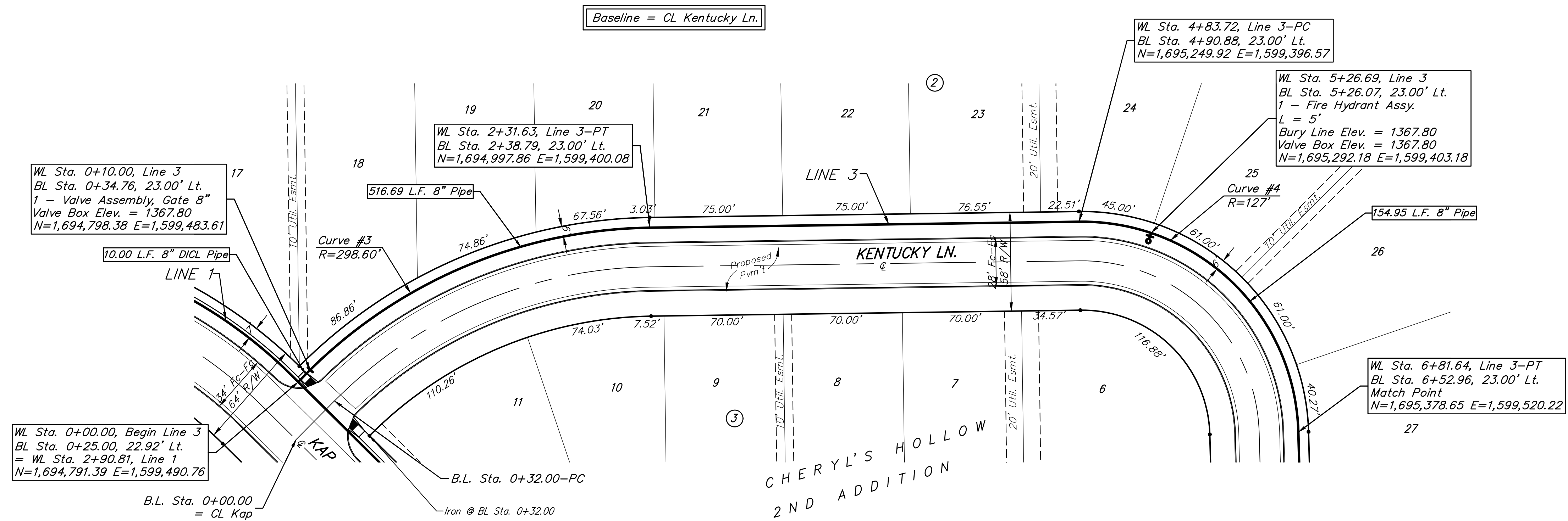
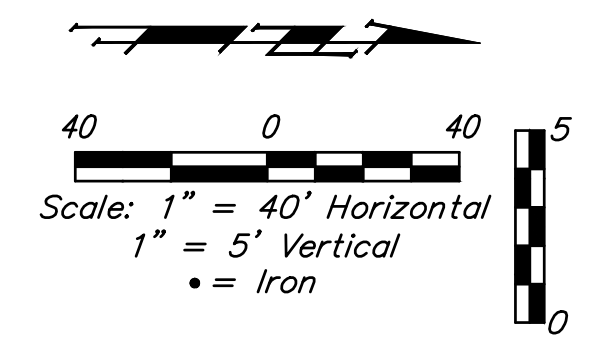


BENCHMARKS:

BM #1: "□" with cross on curb inlet near the SE corner of Lot 8, Block 4, Cheryl's Hollow 2nd Addition.
Elev. = 1364.97 (NAVD 88).

BM #2: "□" with cross on curb inlet near the SE corner of Lot 9, Block 10, Cheryl's Hollow 2nd Addition.
Elev. = 1363.50 (NAVD 88).



All water lines on this sheet are included in Phase 4.

Pipe layout is shown to be circular for radii under 300'. Contractor may use short pipe lengths, high deflection couplers, and manufacturer recommended pipe deflections and pipe bending to meet planned alignment.

Curve #3				
Curve Data Based on Waterline				
Rad. = 298.6' Delta = 45°49'35" Tangent = 126.21'				
Arc = 231.63' L.C. = 232.51' Def./Ft. = 5.93529 Min.				
Chord Lengths	Arc	8' Left	Defl.	Total Defl.
Station				
0+00.00	-	-	0°00'00"	0°00'00"
0+25.00	25.00'	26.46'	2°28'23"	2°28'23"
0+50.00	25.00'	26.46'	2°28'23"	4°56'46"
0+75.00	25.00'	26.46'	2°28'23"	7°25'09"
1+00.00	25.00'	26.46'	2°28'23"	9°53'32"
1+25.00	25.00'	26.46'	2°28'23"	12°21'55"
1+50.00	25.00'	26.46'	2°28'23"	14°50'18"
1+75.00	25.00'	26.46'	2°28'23"	17°18'41"
2+00.00	25.00'	26.46'	2°28'23"	19°47'04"
2+25.00	25.00'	26.46'	2°28'22"	22°15'26"
2+31.63	6.63'	7.02'	0°39'21"	22°54'47"

Curve #4				
Curve Data Based on Waterline				
Rad. = 127' Delta = 89°17'30" Tangent = 125.44'				
Arc = 197.92' L.C. = 178.49' Def./Ft. = 13.53451 Min.				
Chord Lengths	Arc	8' Left	Defl.	Total Defl.
Station				
4+83.72	-	-	0°00'00"	0°00'00"
5+00.00	16.28'	17.29'	3°40'21"	3°40'21"
5+25.00	25.00'	26.53'	5°38'21"	9°18'42"
5+26.69	1.69'	1.80'	0°22'53"	9°41'35"
5+50.00	23.31'	24.74'	5°15'29"	14°57'04"
5+75.00	25.00'	26.53'	5°38'22"	20°35'26"
6+00.00	25.00'	26.53'	5°38'22"	26°13'48"
6+25.00	25.00'	26.53'	5°38'21"	31°52'09"
6+50.00	25.00'	26.53'	5°38'22"	37°30'31"
6+75.00	25.00'	26.53'	5°38'22"	43°08'53"
6+81.64	6.64'	7.06'	1°29'52"	44°38'45"

