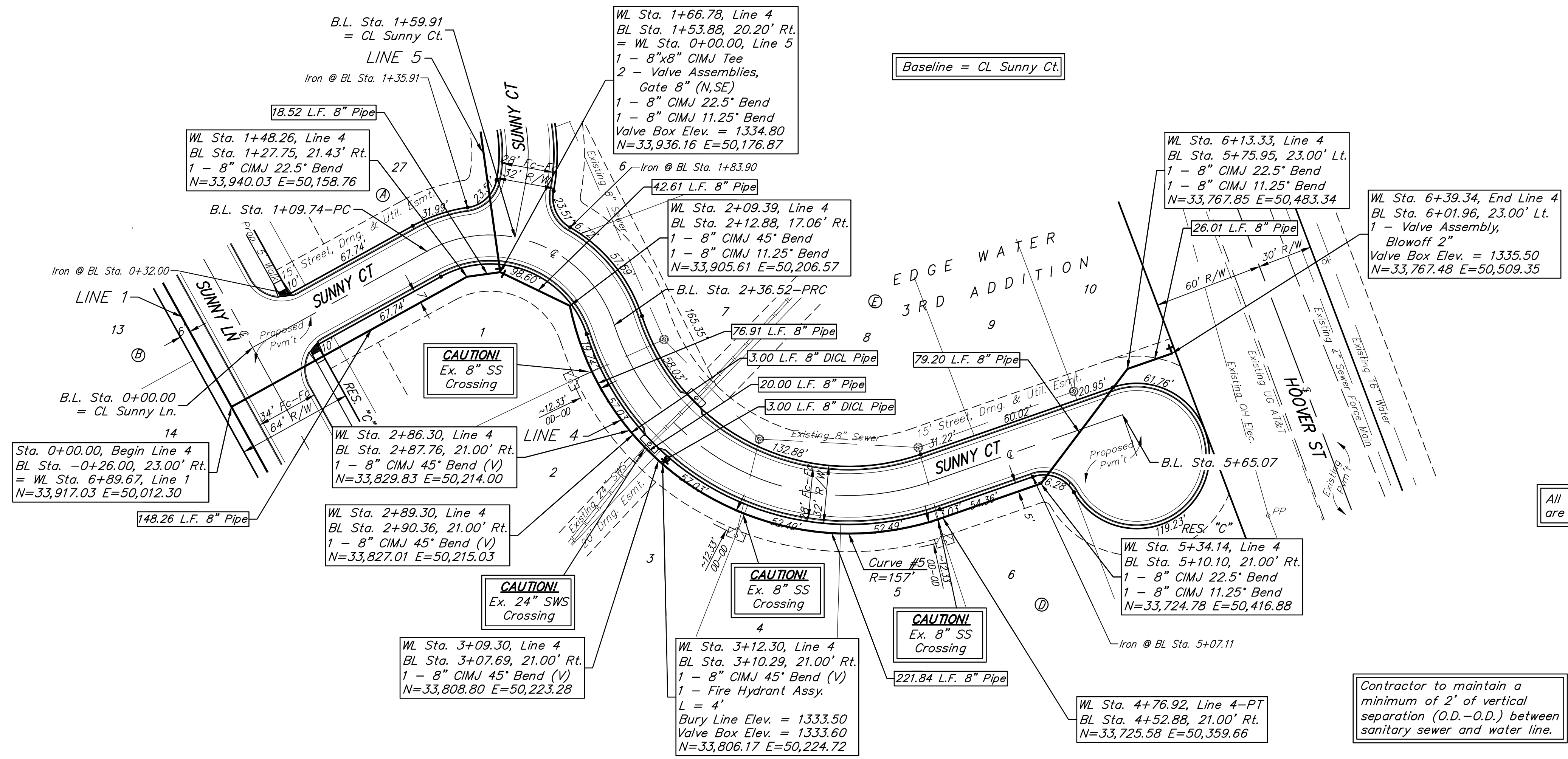


BENCHMARKS:
 BM #1: Crows foot cut at SE corner of curb inlet south side of Kollmeyer near NE corner of Lot 82, Block A, Edge Water Addition.
 Elev. = 1335.36 NGVD29

BM #2: Brass disc on top of curb by fire hydrant at SE corner of intersection of Kollmeyer and Kollmeyer Ct. (Lots 63-82, Block A) at the NW corner of Lot 82, Block A, Edge Water Addition.
 Elev. = 1336.61 NGVD29

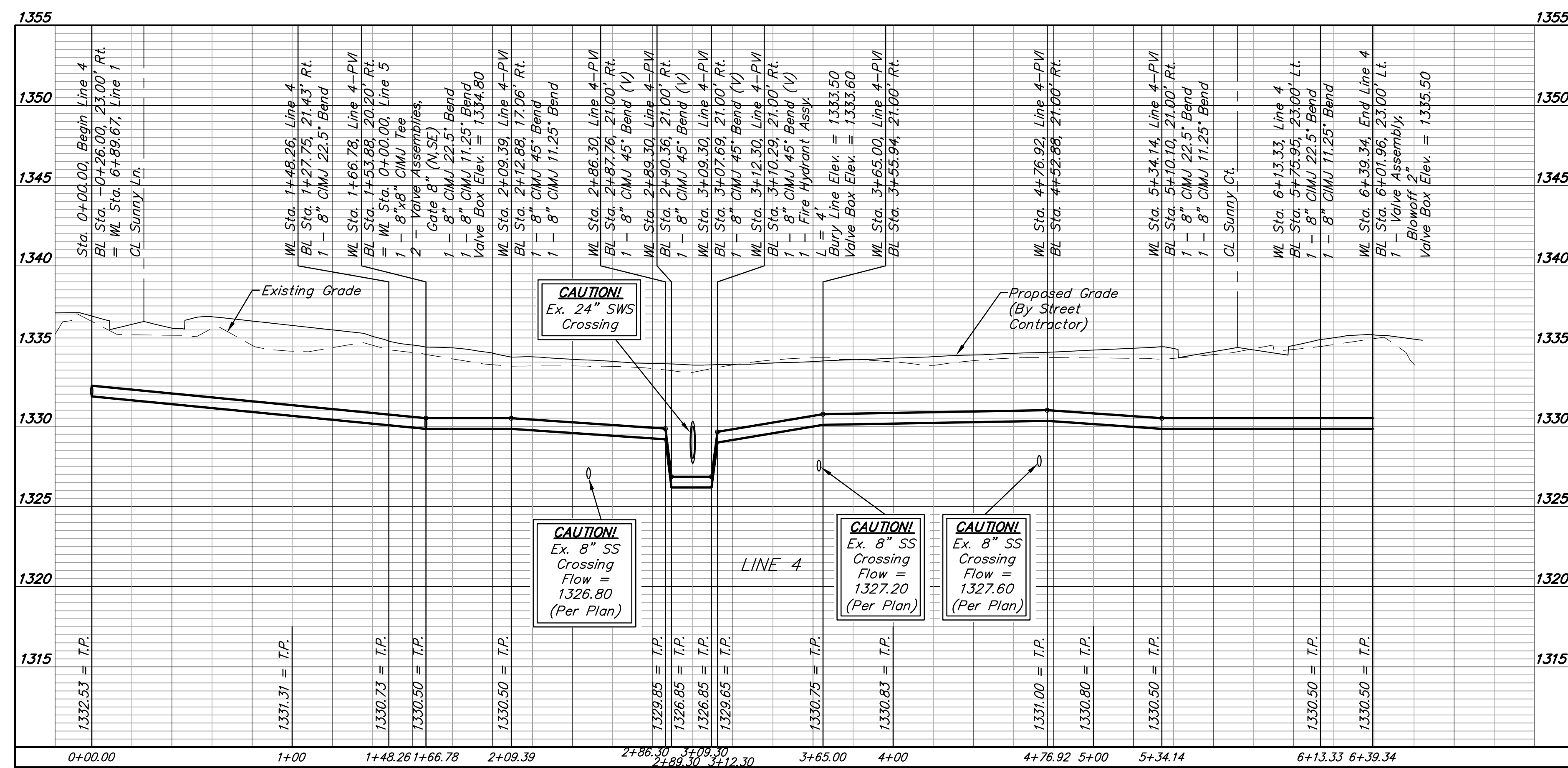
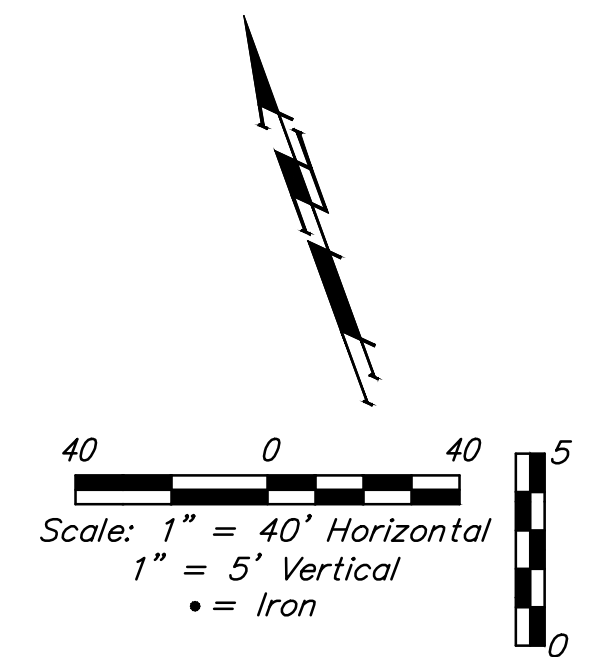
Curve #5				
Curve Data Based on Waterline				
Rad. = 157' Delta = 97°56'13" Tangent = 180.41'				
Arc = 267.53' L.C. = 236.87' Def./Ft. = 10.98235 Min.				
Chord Lengths	Arc	8' Right	Defl.	Total Defl.
2+09.39	-	-	0°00'00"	0°00'00"
2+25.00	15.61'	16.45'	2°51'26"	2°51'26"
2+50.00	25.00'	26.33'	4°34'34"	7°26'00"
2+75.00	25.00'	26.33'	4°34'33"	12°00'33"
2+86.30	11.30'	11.91'	2°04'06"	14°04'39"
2+89.30	3.00'	3.16'	0°32'57"	14°37'36"
3+00.00	10.70'	11.28'	1°57'31"	16°35'07"
3+09.30	9.30'	9.80'	1°42'08"	18°17'15"
3+12.30	3.00'	3.16'	0°32'57"	18°50'12"
3+25.00	12.70'	13.39'	2°19'28"	21°09'40"
3+50.00	25.00'	26.33'	4°34'34"	25°44'14"
3+75.00	25.00'	26.33'	4°34'33"	30°18'47"
4+00.00	25.00'	26.33'	4°34'34"	34°53'21"
4+25.00	25.00'	26.33'	4°34'33"	39°27'54"
4+50.00	25.00'	26.33'	4°34'34"	44°02'28"
4+75.00	25.00'	26.33'	4°34'33"	48°37'01"
4+76.92	1.92'	2.02'	0°21'06"	48°58'07"

For radii under 300', contractor shall use short pipe lengths.



All water lines on this sheet are included in Phase 2.

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.