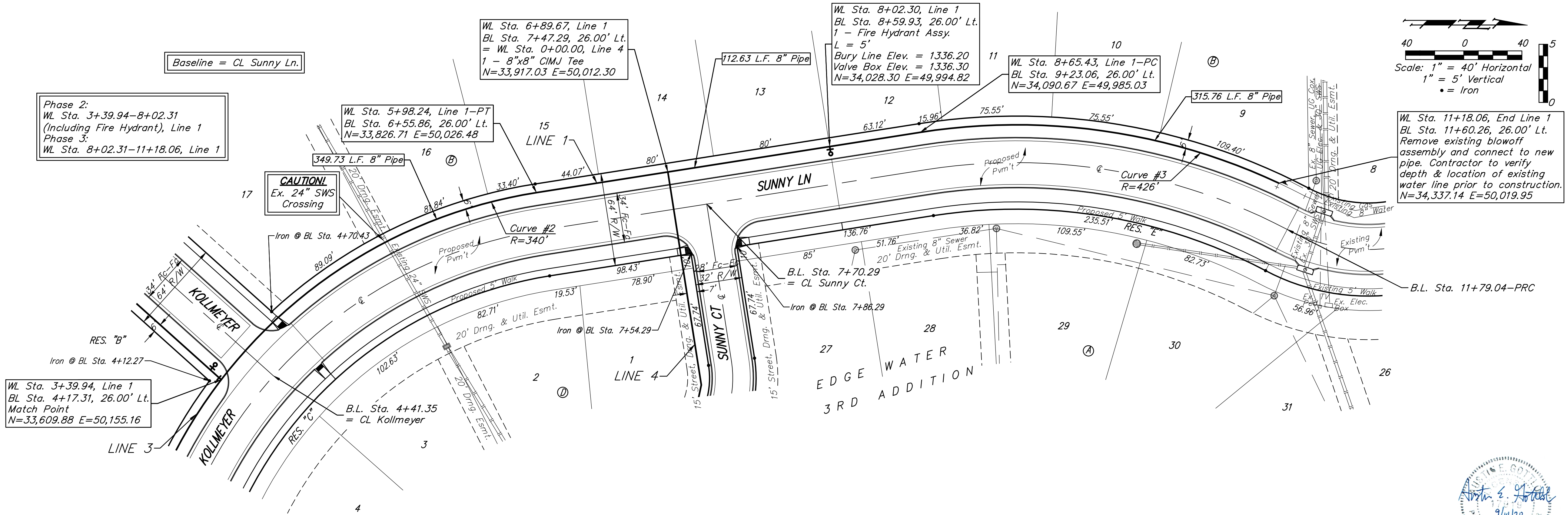


BENCHMARKS:
 BM #1: Crows foot cut at SE corner of curb inlet south side of Kollmeyer near NE corner of Lot 82, Block A, Edge Water Addition.
 Elev. = 1335.36 NGVD29

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

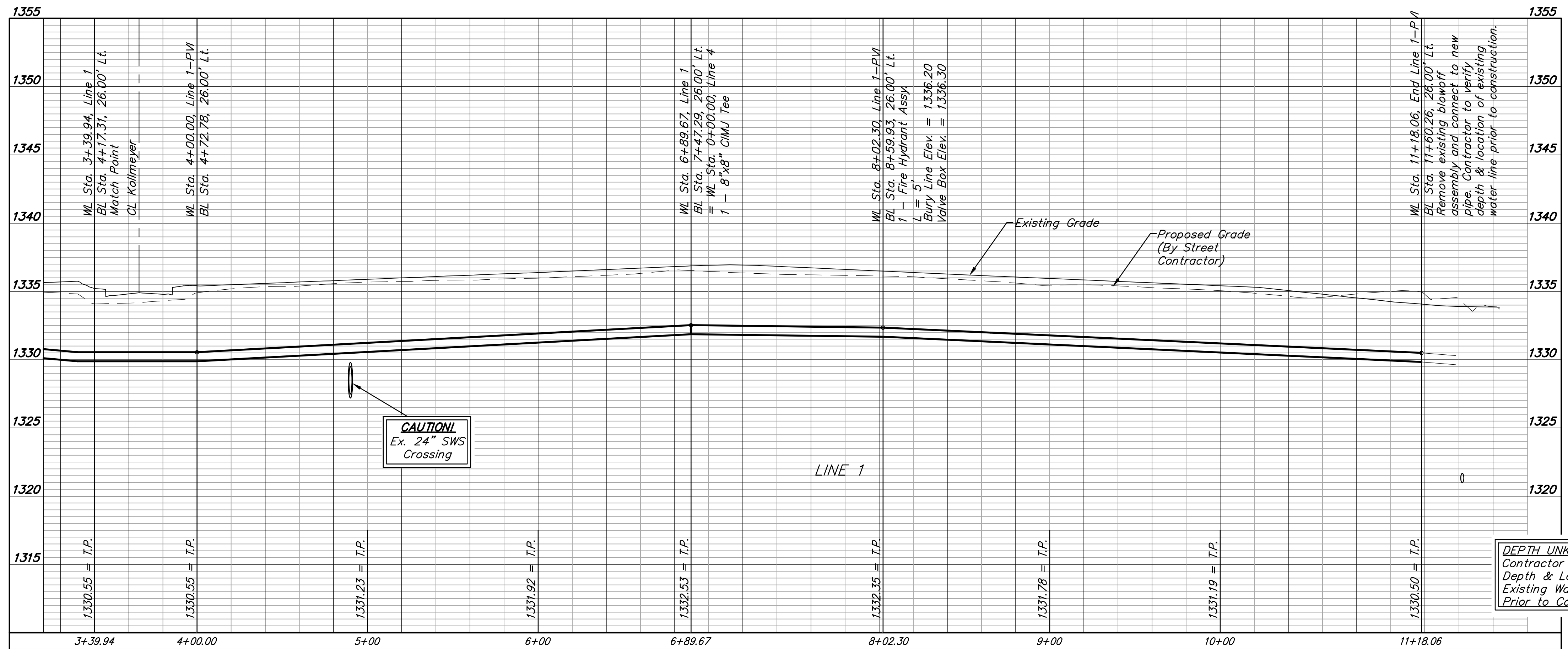


Curve #2
 Curve Data Based on Waterline
 Rad. = 340' Delta = 43°31'42" Tangent = 135.74'
 Arc = 258.30' L.C. = 252.14' Def./Ft. = 5.05556 Min.

Chord Lengths	Station	Arc	8' Left	Defl.	Total Defl.
-	3+39.94	-	-	0°00'00"	0°00'00"
10.06'	3+50.00	10.06'	10.30'	0°50'52"	0°50'52"
25.00'	3+75.00	25.00'	25.58'	2°06'23"	2°57'15"
25.00'	4+00.00	25.00'	25.58'	2°06'23"	5°03'38"
25.00'	4+25.00	25.00'	25.58'	2°06'24"	7°10'02"
25.00'	4+50.00	25.00'	25.58'	2°06'23"	9°16'25"
25.00'	4+75.00	25.00'	25.58'	2°06'23"	11°22'48"
25.00'	5+00.00	25.00'	25.58'	2°06'24"	13°29'12"
25.00'	5+25.00	25.00'	25.58'	2°06'23"	15°35'35"
25.00'	5+50.00	25.00'	25.58'	2°06'23"	17°41'58"
25.00'	5+75.00	25.00'	25.58'	2°06'24"	19°48'22"
23.24'	5+98.24	23.24'	23.78'	1°57'29"	21°45'51"

Curve #3
 Curve Data Based on Waterline
 Rad. = 426' Delta = 36°40'02" Tangent = 141.16'
 Arc = 252.63' L.C. = 268.00' Def./Ft. = 4.35426 Min.

Chord Lengths	Station	Arc	8' Left	Defl.	Total Defl.
-	8+65.43	-	-	0°00'00"	0°00'00"
9.57'	8+75.00	9.57'	10.52'	0°41'40"	0°41'40"
25.00'	9+00.00	25.00'	27.48'	1°48'52"	2°30'32"
25.00'	9+25.00	25.00'	27.48'	1°48'51"	4°19'23"
25.00'	9+50.00	25.00'	27.48'	1°48'51"	6°08'14"
25.00'	9+75.00	25.00'	27.48'	1°48'52"	7°57'06"
25.00'	10+00.00	25.00'	27.48'	1°48'51"	9°45'57"
25.00'	10+25.00	25.00'	27.48'	1°48'52"	11°34'49"
25.00'	10+50.00	25.00'	27.48'	1°48'51"	13°23'40"
25.00'	10+75.00	25.00'	27.48'	1°48'51"	15°12'31"
25.00'	11+00.00	25.00'	27.48'	1°48'52"	17°01'23"
18.06'	11+18.06	18.06'	19.85'	1°18'38"	18°20'01"



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

