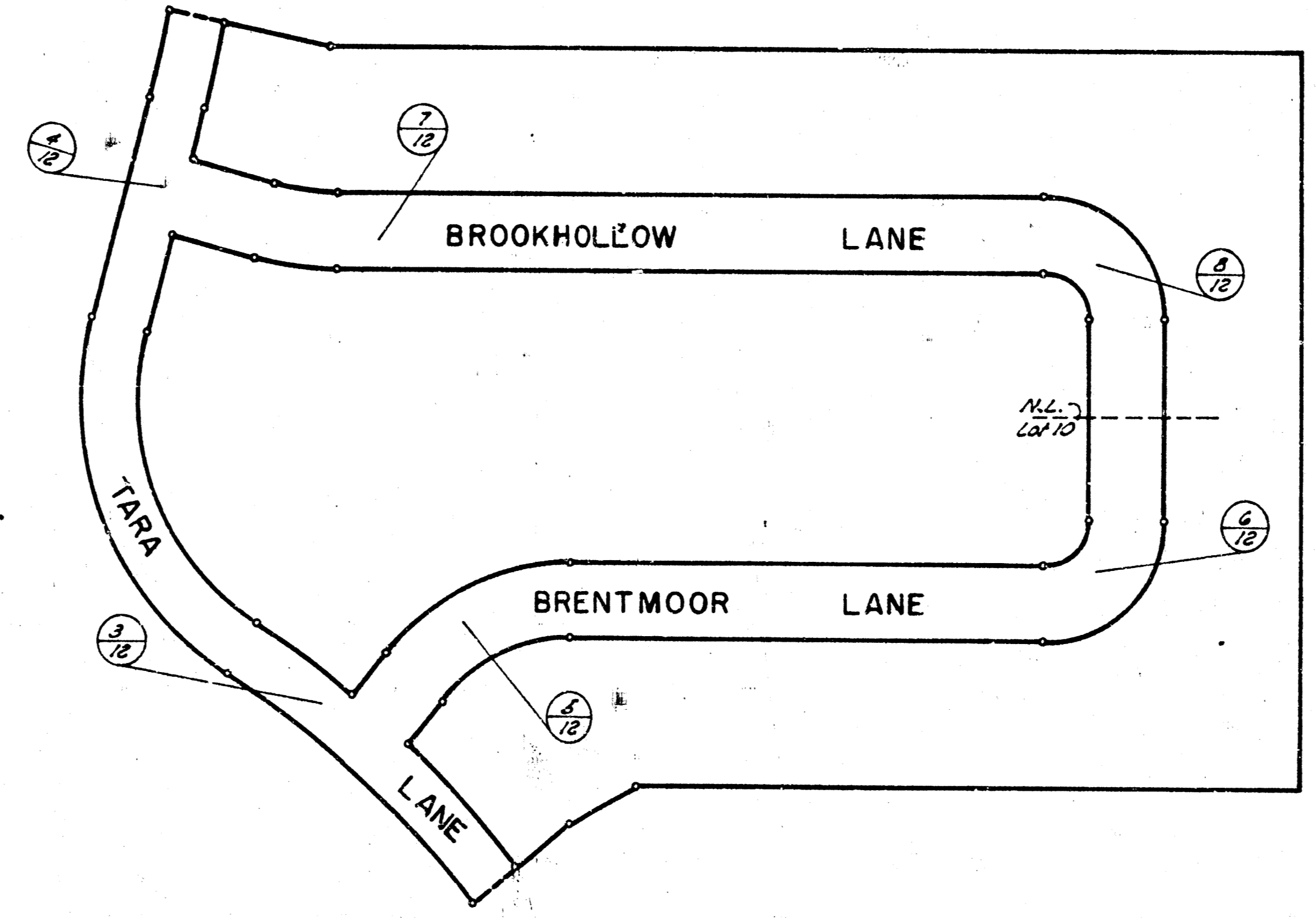


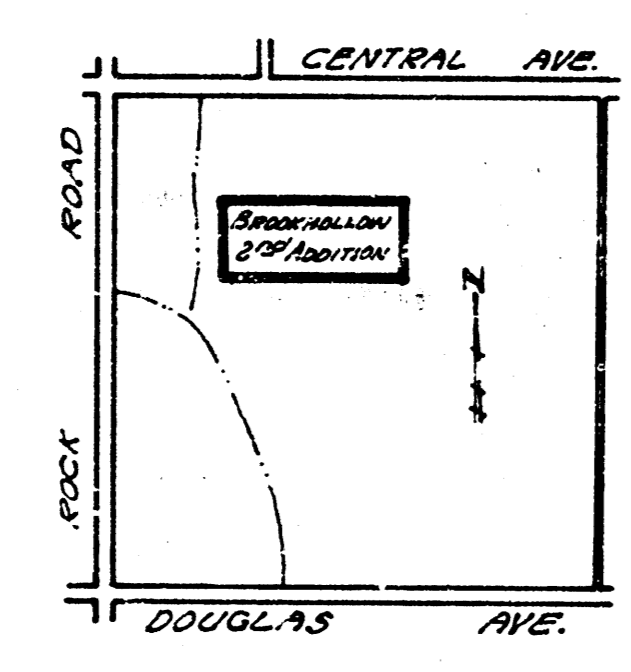
∞ **BROOKHOLLOW 2ND. ADDITION** ∞

TARA LANE - SL. Brookhollow 2nd. Addition to NL. " " " " 31'-0" Asph. Conc. Pavt.  
 BRENTMOOR LANE - EL. Tara Lane to NL. Lot 10, -35'-0" " " " Blk. (1) Brookhollow 2nd. Addn.  
 BROOKHOLLOW LANE - EL. Tara Lane to NL. Lot 10, Blk. (1) Brookhollow 2nd. Addition. -35'-0" " " "

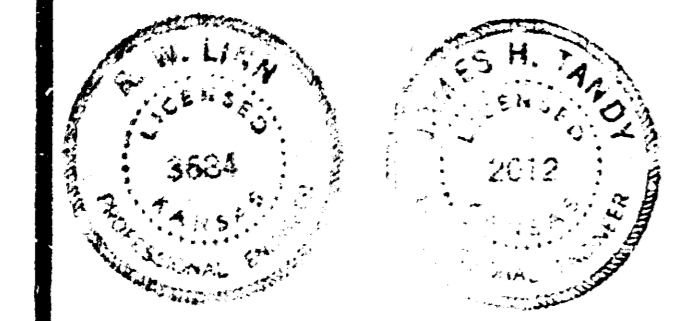
PROJECT NO. ~~CIO-20~~ **DAK5570020**  
 B. E. SMITH CITY ENGINEER



Survey of 1/4 Section 2020  
 Plat. 5-2-2021  
 By  
 B. E. SMITH  
 City Engineer



"LOCATION MAP"

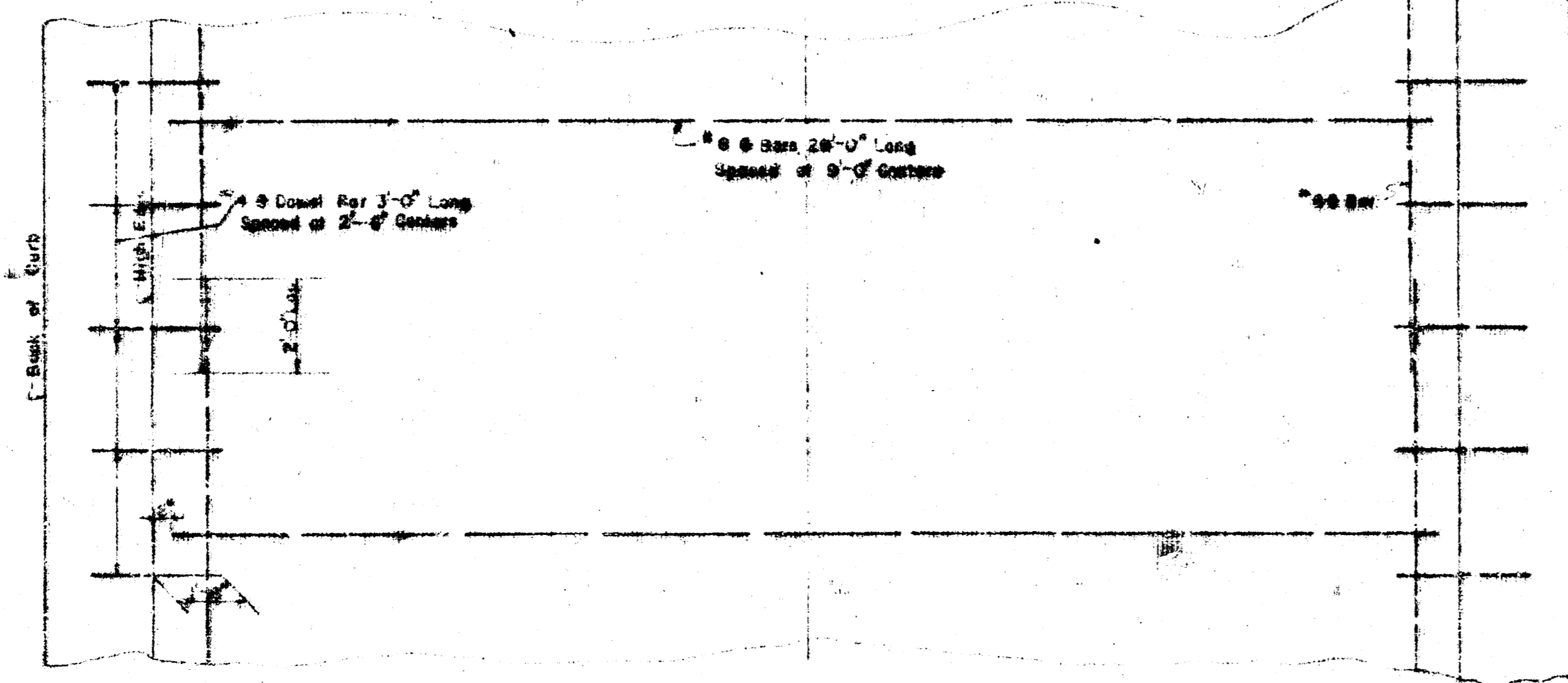


Total Length 3667'

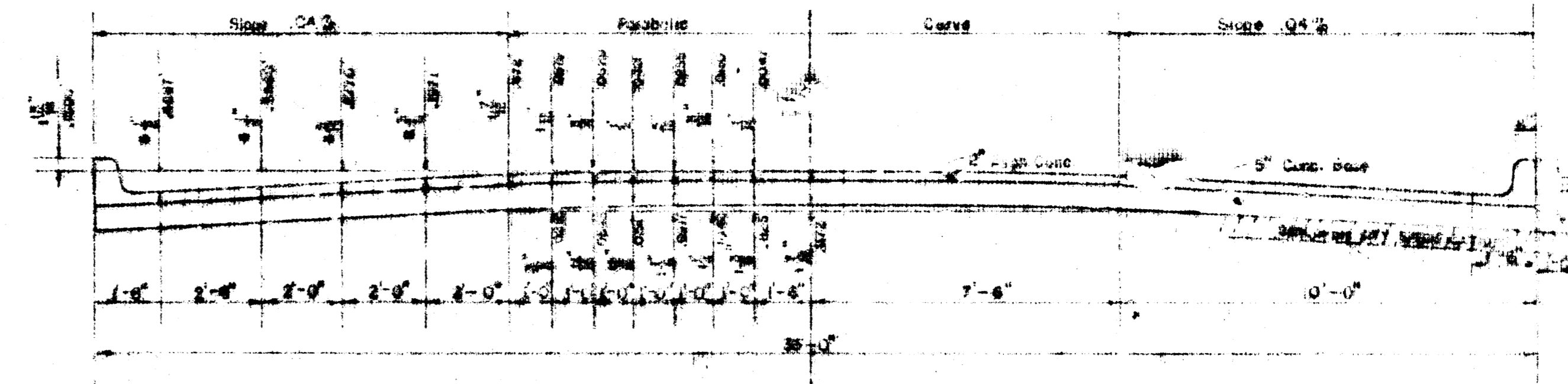
TYPICAL SECTIONS of 34' ASPHALTIC CONCRETE PAVEMENT



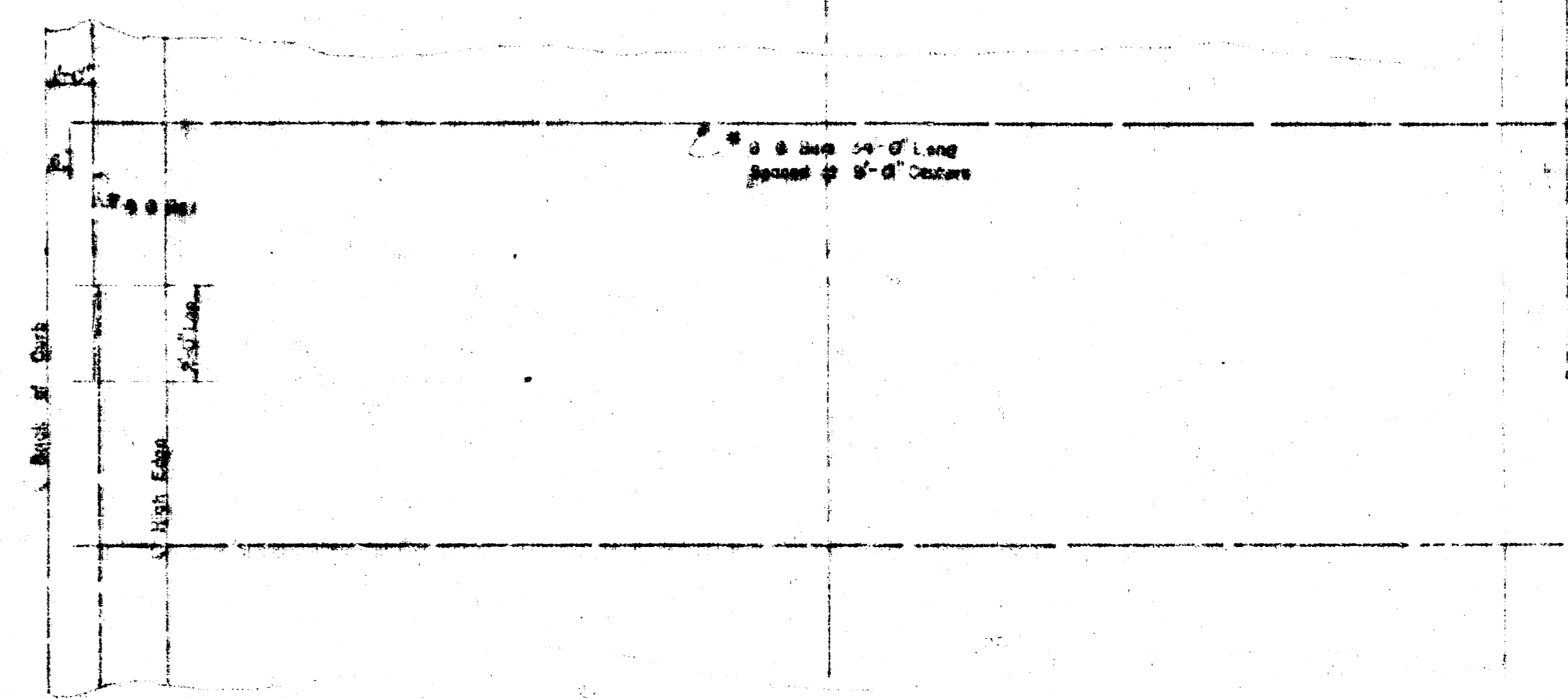
COMBINED CURB & GUTTER



STEEL PATTERN



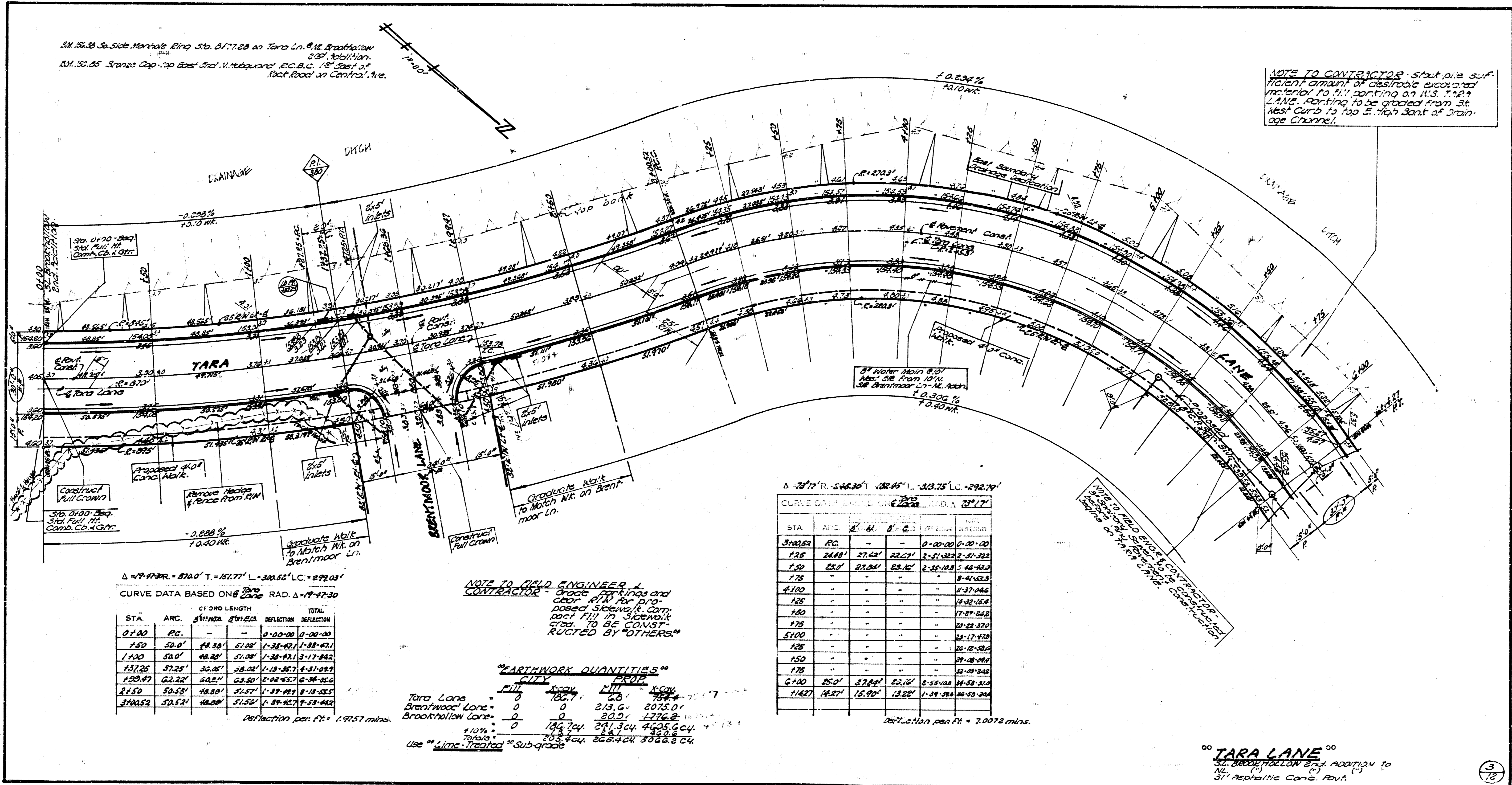
ALTERNATE CURB



STEEL PATTERN

CITY OF WICHITA, KANSAS  
 Department of Public Works - Engineering Division  
 A. E. Smith City Engineer  
 Date: MARCH 1971 Project No. 074-551020

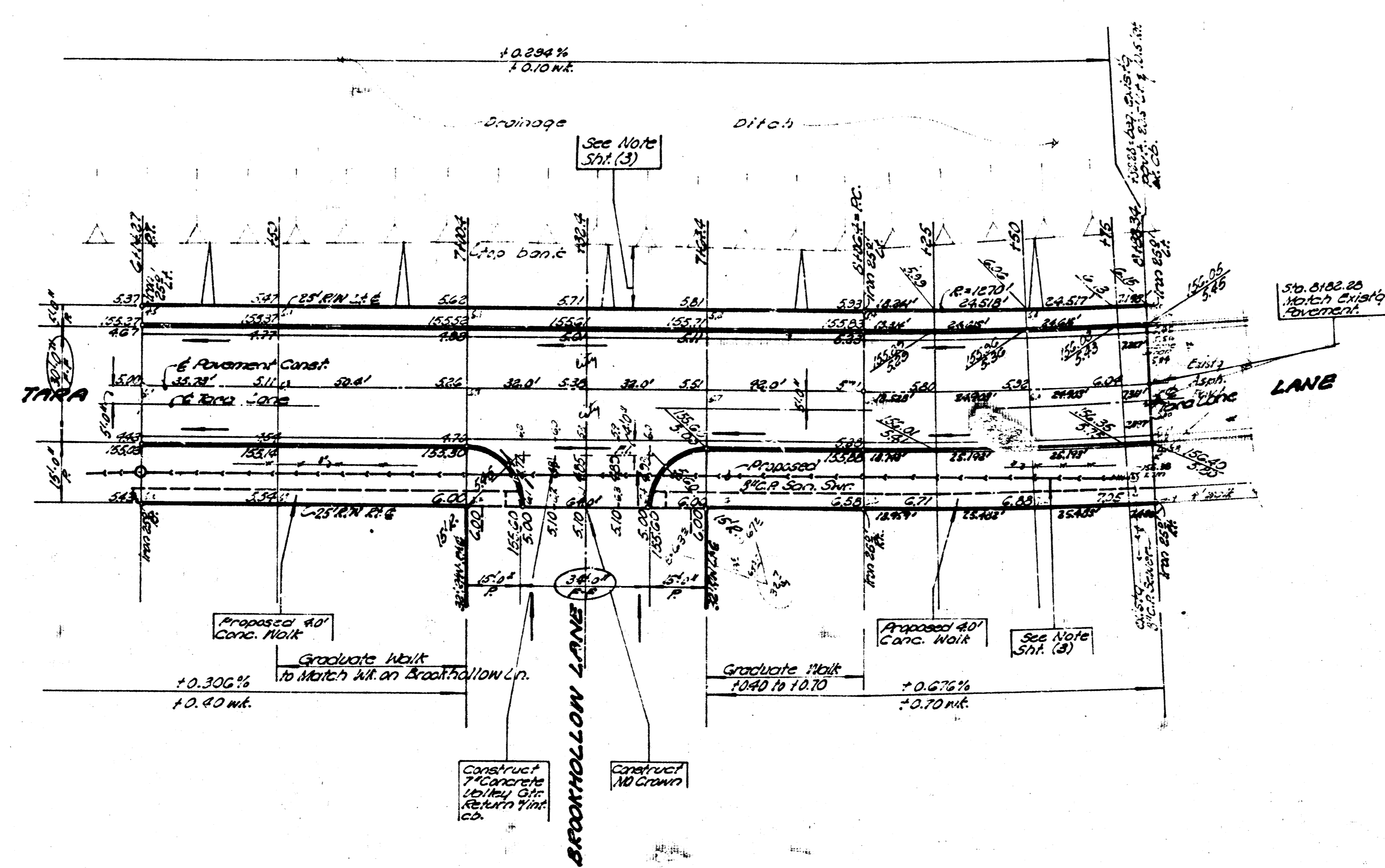
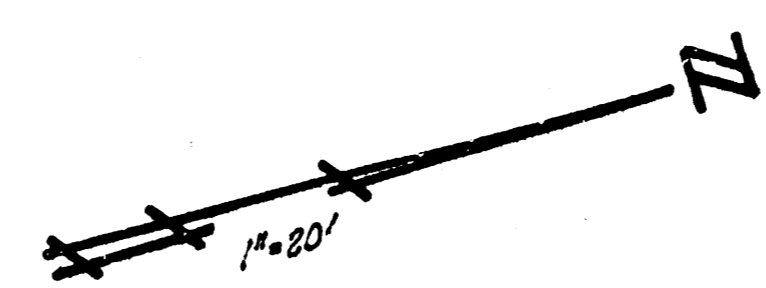
SM 36.35 So. Side Martine Blvd. Sta. 817.28 on Toro Ln. @ E. Brookhollow  
 300' Stationing  
 SM 36.35 So. Side Cap. 100 East of U. Hubbard @ E.C.B.C. 1/4 East of  
 Loc. Road on Central Ave.



NOTE TO CONTRACTOR: Short pile surf. Haul amount of desirable excavated material to fill existing on N.S. 7.287 LANE. Parting to be graded from Sit West Curb to Top E. High Bank of Drainage Channel.

Δ = 79°43'30" T = 8740' L = 15177' LC = 57903'  
 CURVE DATA BASED ON ONE 2nd Zone RAD. Δ = 79°43'30"

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
817.00	PC	-	0-00-00	0-00-00
850	50.0'	48.38'	51.08'	1-38-42.1
900	50.0'	48.88'	51.08'	3-17-34.2
950	50.0'	49.38'	51.08'	5-17-34.2
1000	50.0'	49.88'	51.08'	7-17-34.2
1050	50.0'	50.38'	51.08'	9-17-34.2
1100	50.0'	50.88'	51.08'	11-17-34.2
1150	50.0'	51.38'	51.08'	13-17-34.2
1200	50.0'	51.88'	51.08'	15-17-34.2
1250	50.0'	52.38'	51.08'	17-17-34.2
1300	50.0'	52.88'	51.08'	19-17-34.2
1350	50.0'	53.38'	51.08'	21-17-34.2
1400	50.0'	53.88'	51.08'	23-17-34.2
1450	50.0'	54.38'	51.08'	25-17-34.2
1500	50.0'	54.88'	51.08'	27-17-34.2
1550	50.0'	55.38'	51.08'	29-17-34.2
1600	50.0'	55.88'	51.08'	31-17-34.2
1650	50.0'	56.38'	51.08'	33-17-34.2
1700	50.0'	56.88'	51.08'	35-17-34.2
1750	50.0'	57.38'	51.08'	37-17-34.2
1800	50.0'	57.88'	51.08'	39-17-34.2
1850	50.0'	58.38'	51.08'	41-17-34.2
1900	50.0'	58.88'	51.08'	43-17-34.2
1950	50.0'	59.38'	51.08'	45-17-34.2
2000	50.0'	59.88'	51.08'	47-17-34.2
2050	50.0'	60.38'	51.08'	49-17-34.2
2100	50.0'	60.88'	51.08'	51-17-34.2
2150	50.0'	61.38'	51.08'	53-17-34.2
2200	50.0'	61.88'	51.08'	55-17-34.2
2250	50.0'	62.38'	51.08'	57-17-34.2
2300	50.0'	62.88'	51.08'	59-17-34.2
2350	50.0'	63.38'	51.08'	61-17-34.2
2400	50.0'	63.88'	51.08'	63-17-34.2
2450	50.0'	64.38'	51.08'	65-17-34.2
2500	50.0'	64.88'	51.08'	67-17-34.2
2550	50.0'	65.38'	51.08'	69-17-34.2
2600	50.0'	65.88'	51.08'	71-17-34.2
2650	50.0'	66.38'	51.08'	73-17-34.2
2700	50.0'	66.88'	51.08'	75-17-34.2
2750	50.0'	67.38'	51.08'	77-17-34.2
2800	50.0'	67.88'	51.08'	79-17-34.2
2850	50.0'	68.38'	51.08'	81-17-34.2
2900	50.0'	68.88'	51.08'	83-17-34.2
2950	50.0'	69.38'	51.08'	85-17-34.2
3000	50.0'	69.88'	51.08'	87-17-34.2
3050	50.0'	70.38'	51.08'	89-17-34.2
3100	50.0'	70.88'	51.08'	91-17-34.2
3150	50.0'	71.38'	51.08'	93-17-34.2
3200	50.0'	71.88'	51.08'	95-17-34.2
3250	50.0'	72.38'	51.08'	97-17-34.2
3300	50.0'	72.88'	51.08'	99-17-34.2
3350	50.0'	73.38'	51.08'	101-17-34.2
3400	50.0'	73.88'	51.08'	103-17-34.2
3450	50.0'	74.38'	51.08'	105-17-34.2
3500	50.0'	74.88'	51.08'	107-17-34.2
3550	50.0'	75.38'	51.08'	109-17-34.2
3600	50.0'	75.88'	51.08'	111-17-34.2
3650	50.0'	76.38'	51.08'	113-17-34.2
3700	50.0'	76.88'	51.08'	115-17-34.2
3750	50.0'	77.38'	51.08'	117-17-34.2
3800	50.0'	77.88'	51.08'	119-17-34.2
3850	50.0'	78.38'	51.08'	121-17-34.2
3900	50.0'	78.88'	51.08'	123-17-34.2
3950	50.0'	79.38'	51.08'	125-17-34.2
4000	50.0'	79.88'	51.08'	127-17-34.2
4050	50.0'	80.38'	51.08'	129-17-34.2
4100	50.0'	80.88'	51.08'	131-17-34.2
4150	50.0'	81.38'	51.08'	133-17-34.2
4200	50.0'	81.88'	51.08'	135-17-34.2
4250	50.0'	82.38'	51.08'	137-17-34.2
4300	50.0'	82.88'	51.08'	139-17-34.2
4350	50.0'	83.38'	51.08'	141-17-34.2
4400	50.0'	83.88'	51.08'	143-17-34.2
4450	50.0'	84.38'	51.08'	145-17-34.2
4500	50.0'	84.88'	51.08'	147-17-34.2
4550	50.0'	85.38'	51.08'	149-17-34.2
4600	50.0'	85.88'	51.08'	151-17-34.2
4650	50.0'	86.38'	51.08'	153-17-34.2
4700	50.0'	86.88'	51.08'	155-17-34.2
4750	50.0'	87.38'	51.08'	157-17-34.2
4800	50.0'	87.88'	51.08'	159-17-34.2
4850	50.0'	88.38'	51.08'	161-17-34.2
4900	50.0'	88.88'	51.08'	163-17-34.2
4950	50.0'	89.38'	51.08'	165-17-34.2
5000	50.0'	89.88'	51.08'	167-17-34.2
5050	50.0'	90.38'	51.08'	169-17-34.2
5100	50.0'	90.88'	51.08'	171-17-34.2
5150	50.0'	91.38'	51.08'	173-17-34.2
5200	50.0'	91.88'	51.08'	175-17-34.2
5250	50.0'	92.38'	51.08'	177-17-34.2
5300	50.0'	92.88'	51.08'	179-17-34.2
5350	50.0'	93.38'	51.08'	181-17-34.2
5400	50.0'	93.88'	51.08'	183-17-34.2
5450	50.0'	94.38'	51.08'	185-17-34.2
5500	50.0'	94.88'	51.08'	187-17-34.2
5550	50.0'	95.38'	51.08'	189-17-34.2
5600	50.0'	95.88'	51.08'	191-17-34.2
5650	50.0'	96.38'	51.08'	193-17-34.2
5700	50.0'	96.88'	51.08'	195-17-34.2
5750	50.0'	97.38'	51.08'	197-17-34.2
5800	50.0'	97.88'	51.08'	199-17-34.2
5850	50.0'	98.38'	51.08'	201-17-34.2
5900	50.0'	98.88'	51.08'	203-17-34.2
5950	50.0'	99.38'	51.08'	205-17-34.2
6000	50.0'	99.88'	51.08'	207-17-34.2
6050	50.0'	100.38'	51.08'	209-17-34.2
6100	50.0'	100.88'	51.08'	211-17-34.2
6150	50.0'	101.38'	51.08'	213-17-34.2
6200	50.0'	101.88'	51.08'	215-17-34.2
6250	50.0'	102.38'	51.08'	217-17-34.2
6300	50.0'	102.88'	51.08'	219-17-34.2
6350	50.0'	103.38'	51.08'	221-17-34.2
6400	50.0'	103.88'	51.08'	223-17-34.2
6450	50.0'	104.38'	51.08'	225-17-34.2
6500	50.0'	104.88'	51.08'	227-17-34.2
6550	50.0'	105.38'	51.08'	229-17-34.2
6600	50.0'	105.88'	51.08'	231-17-34.2
6650	50.0'	106.38'	51.08'	233-17-34.2
6700	50.0'	106.88'	51.08'	235-17-34.2
6750	50.0'	107.38'	51.08'	237-17-34.2
6800	50.0'	107.88'	51.08'	239-17-34.2
6850	50.0'	108.38'	51.08'	241-17-34.2
6900	50.0'	108.88'	51.08'	243-17-34.2
6950	50.0'	109.38'	51.08'	245-17-34.2
7000	50.0'	109.88'	51.08'	247-17-34.2
7050	50.0'	110.38'	51.08'	249-17-34.2
7100	50.0'	110.88'	51.08'	251-17-34.2
7150	50.0'	111.38'	51.08'	253-17-34.2
7200	50.0'	111.88'	51.08'	255-17-34.2
7250	50.0'	112.38'	51.08'	257-17-34.2
7300	50.0'	112.88'	51.08'	259-17-34.2
7350	50.0'	113.38'	51.08'	261-17-34.2
7400	50.0'	113.88'	51.08'	263-17-34.2
7450	50.0'	114.38'	51.08'	265-17-34.2
7500	50.0'	114.88'	51.08'	267-17-34.2
7550	50.0'	115.38'	51.08'	269-17-34.2
7600	50.0'	115.88'	51.08'	271-17-34.2
7650	50.0'	116.38'	51.08'	273-17-34.2
7700	50.0'	116.88'	51.08'	275-17-34.2
7750	50.0'	117.38'	51.08'	277-17-34.2
7800	50.0'	117.88'	51.08'	279-17-34.2
7850	50.0'	118.38'	51.08'	281-17-34.2
7900	50.0'	118.88'	51.08'	283-17-34.2
7950	50.0'	119.38'	51.08'	285-17-34.2
8000	50.0'	119.88'	51.08'	287-17-34.2
8050	50.0'	120.38'	51.08'	289-17-34.2
8100	50.0'	120.88'	51.08'	291-17-34.2
8150	50.0'	121.38'	51.08'	293-17-34.2
8200	50.0'	121.88'	51.08'	295-17-34.2
8250	50.0'	122.38'	51.08'	297-17-34.2
8300	50.0'	122.88'	51.08'	299-17-34.2
8350	50.0'	123.38'	51.08'	301-17-34.2
8400	50.0'	123.88'	51.08'	303-17-34.2
8450	50.0'	124.38'	51.08'	305-17-34.2
8500	50.0'	124.88'	51.08'	307-17-34.2
8550	50.0'	125.38'	51.08'	309-17-34.2
8600	50.0'	125.88'	51.08'	311-17-34.2
8650	50.0'	126.38'	51.08'	313-17-34.2
8700	50.0'	126.88'	51.08'	315-17-34.2
8750	50.0'	127.38'	51.08'	317-17-34.2
8800	50.0'	127.88'	51.08'	319-17-34.2
8850	50.0'	128.38'	51.08'	321-17-34.2
8900	50.0'	128.88'	51.08'	323-17-34.2
8950	50.0'	129.38'	51.08'	325-17-34.2
9000	50.0'	129.88'	51.08'	327-17-34.2
9050	50.0'	130.38'	51.08'	329-17-34.2
9100	50.0'	130.88'	51.08'	331-17-34.2
9150	50.0'	131.38'	51.08'	333-17-34.2
9200	50.0'	131.88'	51.08'	335-17-34.2
9250	50.0'	132.38'	51.08'	337-17-34.2
9300	50.0'	132.88'	51.08'	339-17-34.2
9350	50.0'	133.38'	51.08'	341-17-34.2
9400	50.0'	133.88'	51.08'	343-17-34.2
9450	50.0'	134.38'	51.08'	345-17-34.2
9500	50.0'	134.88'	51.08'	347-17-34.2
9550	50.0'	135.38'	51.08'	349-17-34.2
9600	50.0'	135.88'	51.08'	351-17-34.2
9650	50.0'	136.38'	51.08'	353-17-34.2
9700	50.0'	136.88'	51.08'	355-

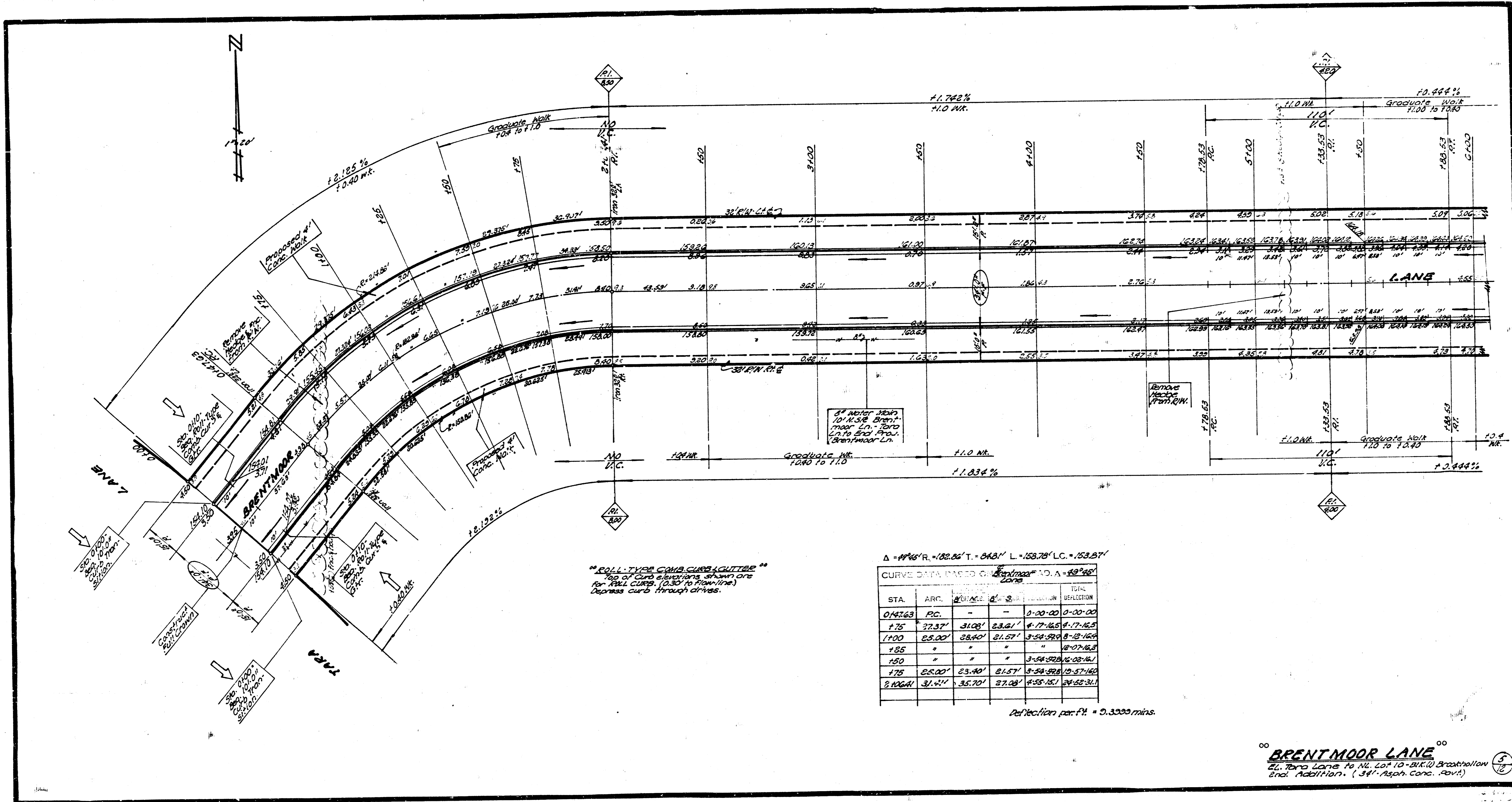


$\Delta$  SUNKER = 646' T = 37.98 L = 75.94' LC = 175.93'  
 CURVE DATA AT 1:5000 SCALE

STA.	ARC.	PC.	PT.	PI.	PG.	LC.
8102.4	PC.	-	-	-	0-00-00	0-00-00
128	18.00	12.2	14.6	0-24-12	0-24-43	
150	25.00	24.4	26.8	0-33-10	0-37-52	
178	25.00	24.4	26.8	0-33-10	0-37-52	
192.8	7.34	7.18	7.44	0-29-46	0-30-47	

Deflection from FA = 1.3523 radian.





ROLL-TYPE CURB CURB CUTTER  
 100' of curb elevations shown are  
 for FALL CURB (0.30' to flowline)  
 depress curb through drives.

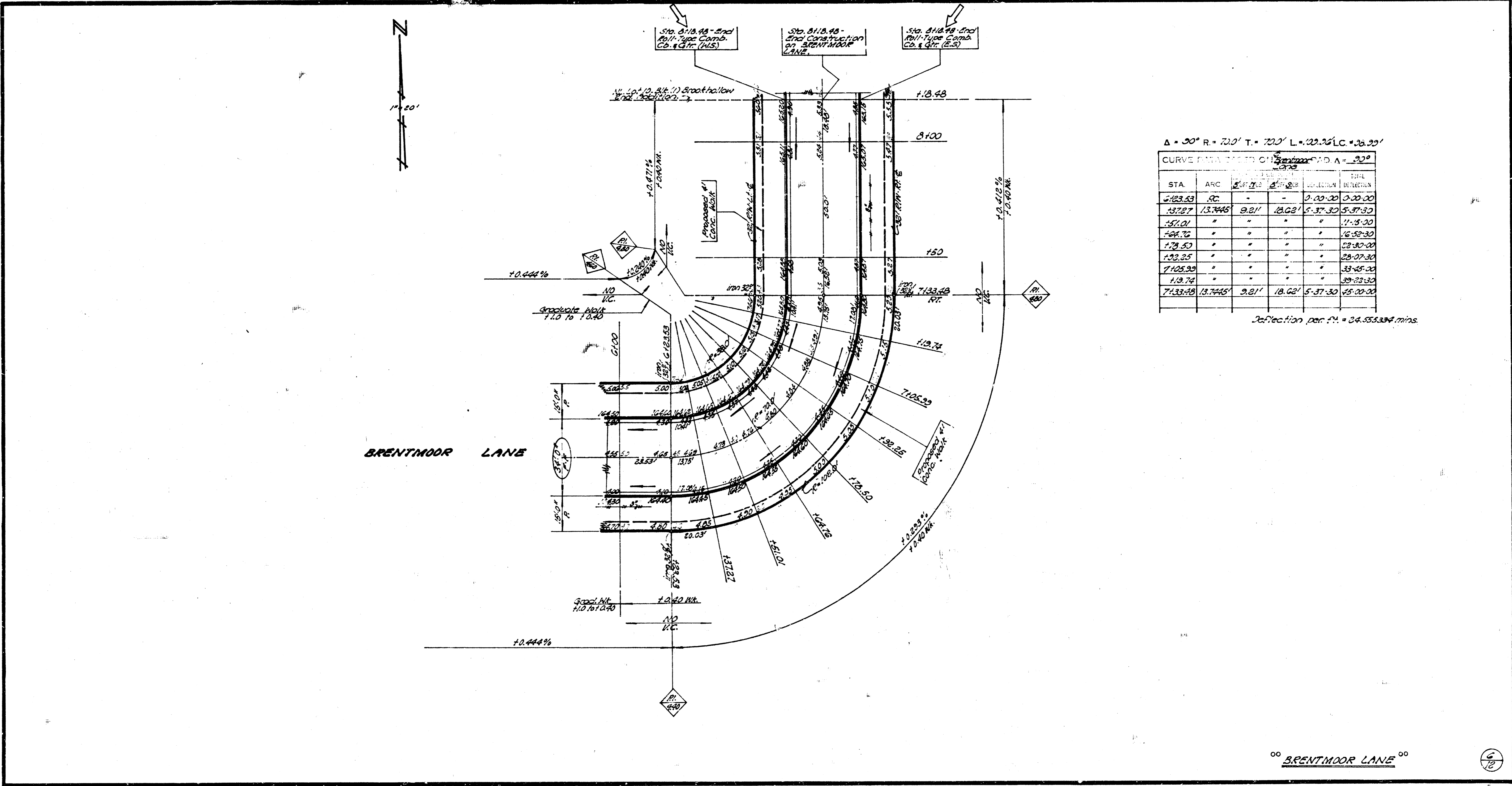
$\Delta = 44^\circ 46' R$ ,  $R = 102.05' T$ ,  $648.1' L$ ,  $153.78' LC$ ,  $153.57'$

CURVE DATA BASED ON *Asymptote* TO  $\Delta = 44^\circ 46'$   
 Curve

STA.	ARC	CHORD	CHORD BEARING	TOTAL OFFSET
0+75.63	PC	-	-	0-00-00
175	22.37'	31.08'	23.61'	4-17-165
1700	25.00'	33.40'	21.57'	5-54-590
125	"	"	"	4-07-165
150	"	"	"	3-54-590
175	25.00'	33.40'	21.57'	5-54-590
3+142.61	PT	35.70'	27.08'	4-55-151

Deflection per ft. = 0.3000 mins.

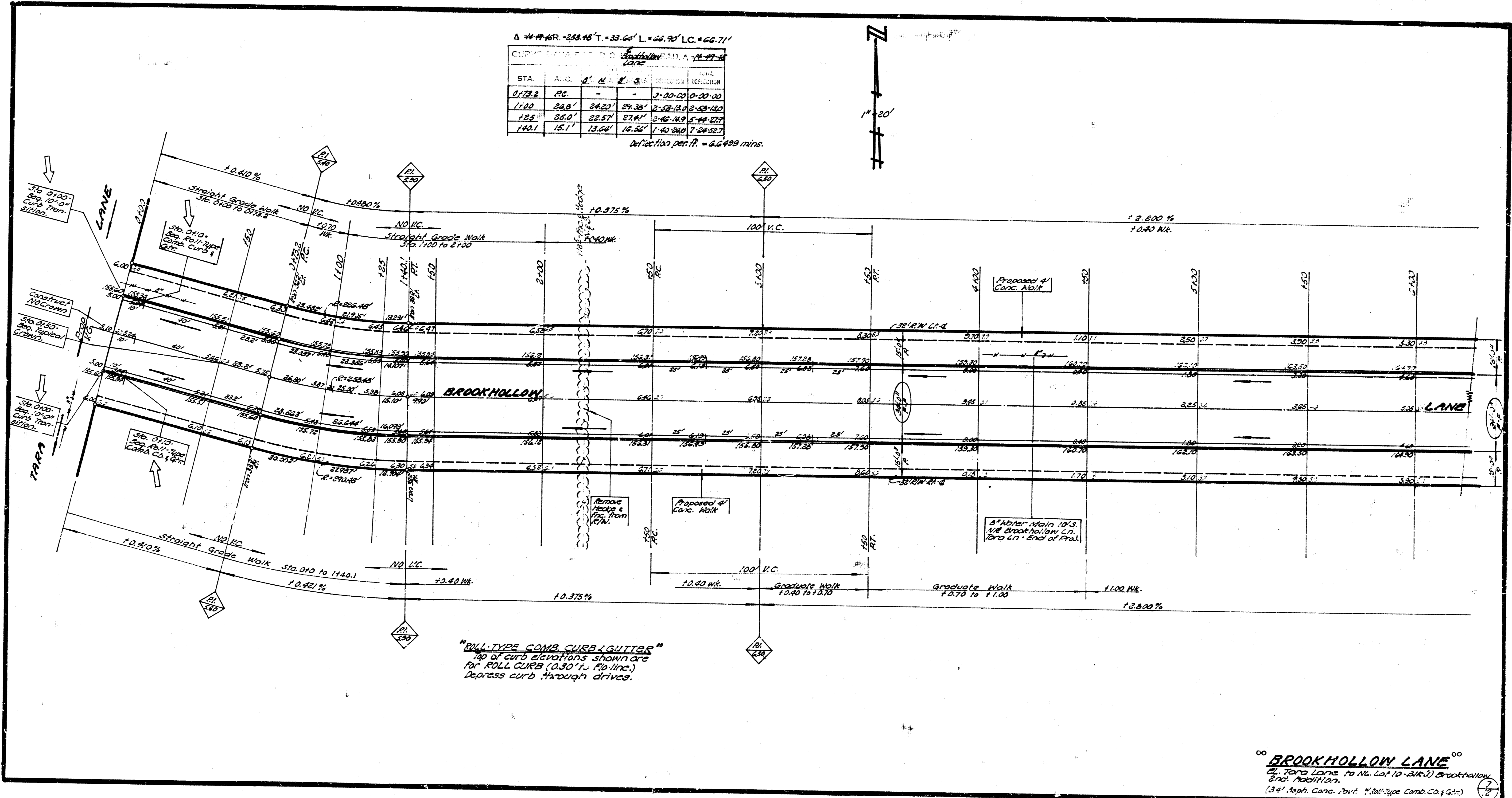
**BRENT MOOR LANE**  
 E.L. Brent Lane to N.E. Lot 10 - B.K.W. Brenttollon  
 and Addition. (54' Asphalt Conc. Pavt.)



Δ 44° 44' 16" T = 258.45' L = 33.64' LC = 66.71'

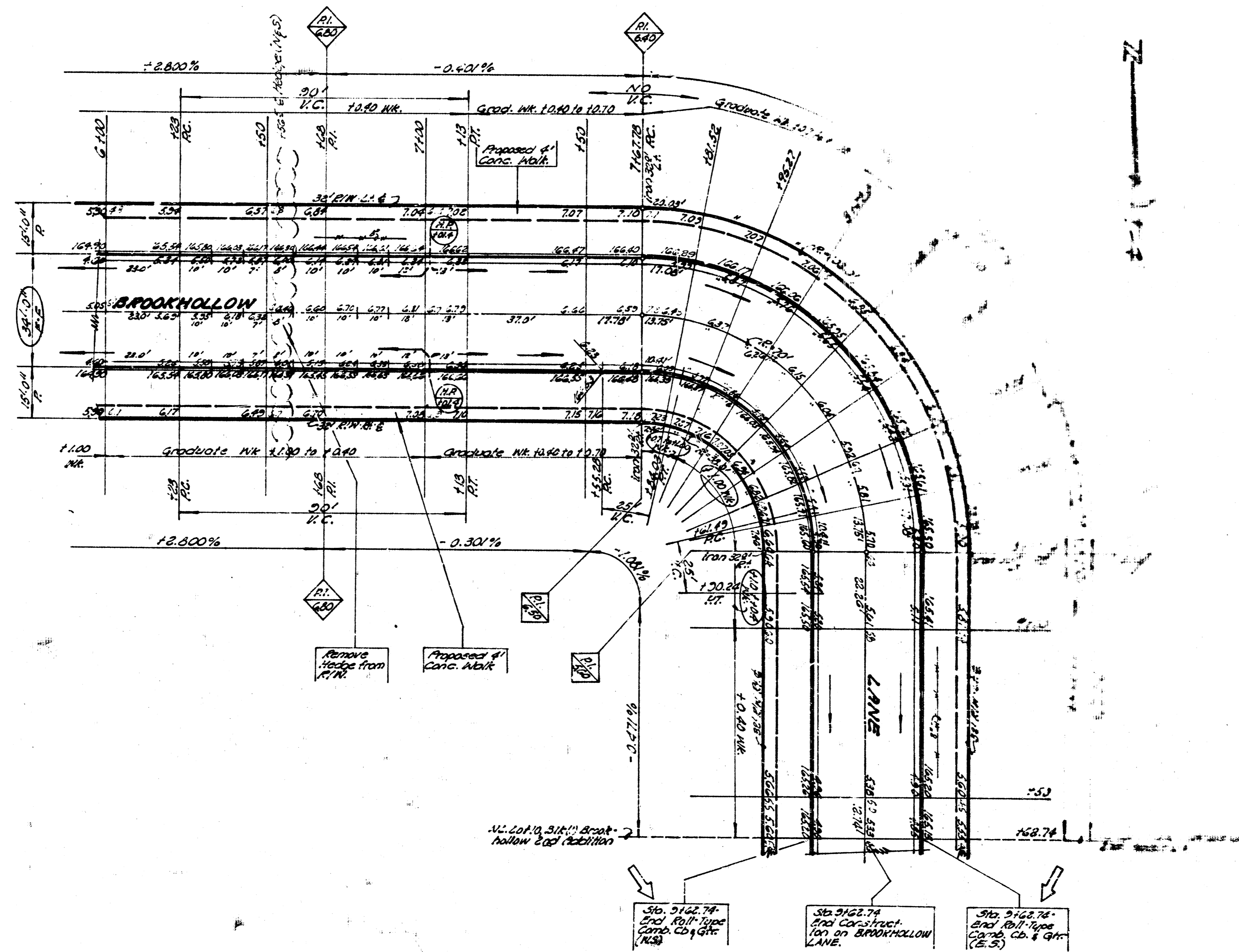
STA	ANG.	Δ	Δ'	Δ"	Δ'''	Δ''''	Δ'''''
0+75.2	PC	-	-	-	3-00-00	0-00-00	
1+00		24.20'	24.20'	24.20'	2-50-13.0	2-50-13.0	
1+25		35.0'	22.57'	27.41'	3-46-43.9	5-44-27.9	
1+50.7		15.1'	13.64'	16.32'	1-40-34.0	7-24-52.7	

Deflection per ft. = 6.6499 mins.



"ROLL-TYPE COMB CURB & GUTTER"  
 All of curb elevations shown are  
 for ROLL CURB (0.30' to 1.0' inc.).  
 Depress curb through drives.

**BROOKHOLLOW LANE**  
 From Lane to N. 1st St. Brookhollow  
 2nd Addition.  
 (34' Asphalt Conc. Pavt. Roll-type Comb. Co. 15' in.)



$\Delta = 90^\circ$   $R = 70.0'$   $T = 70.0'$   $L = 92.95'$   $LC = 92.99'$

STA	ARC	B' S	B' N		
7167.0	PC	-	-	0+00.00	0+00.00
721.52		13.7445'	9.21'	18.68'	5+37.30
725.27		"	"	"	11+18.00
8108.0		"	"	"	15+52.30
722.75		"	"	"	24+30.00
736.50		"	"	"	28+07.30
752.25		"	"	"	33+45.30
764.20		"	"	"	37+22.30
8177.75	PT	13.7445'	9.21'	18.68'	15+52.30

Deflection per ft = 0.556344 in/in.

St. 0100 Construct  
Type (B) Manhole (5' dia)  
P.I. = 149.80  
P.I. in = 150.00 (10' dia)  
P.I. in = 150.30 (18" dia)

St. 0100 Construct  
Type (B) Manhole (5' dia)  
P.I. = 149.80  
Case 10' dia R.C.P.  
Case 10' dia to  
bottom of 5' dia

Construct  
24" Inlet  
P.I. out = 150.20  
P.I. in = 150.60

Construct  
24" Inlet  
P.I. = 150.70

St. 0112 Construct  
24" Inlet  
P.I. in = 150.10 (15")  
P.I. out = 150.00 (18")

10' Curb Transition  
from Full to Roll  
Type Const 24" In-  
lets accordingly

Construct  
24" Inlet  
P.I. = 150.20

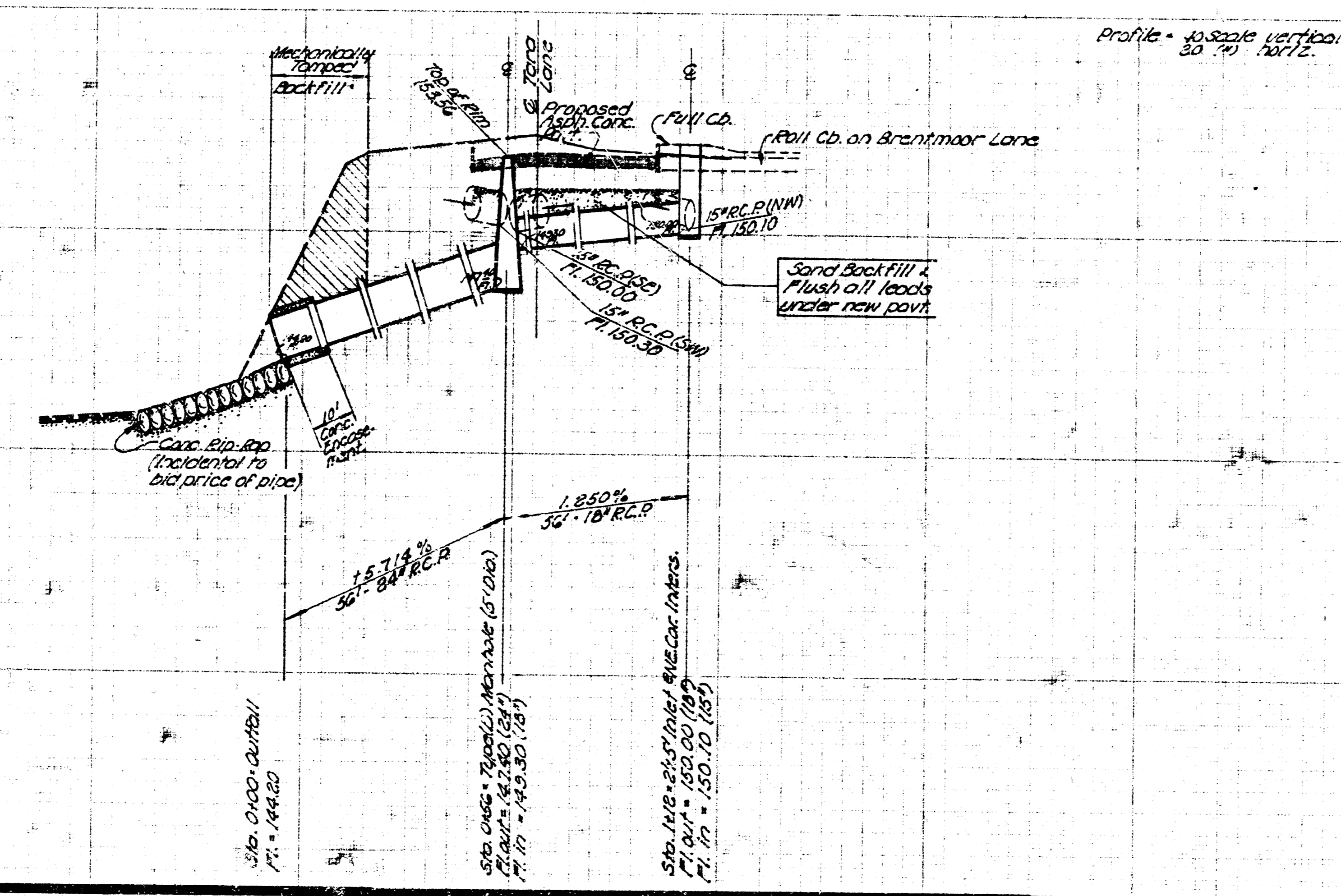
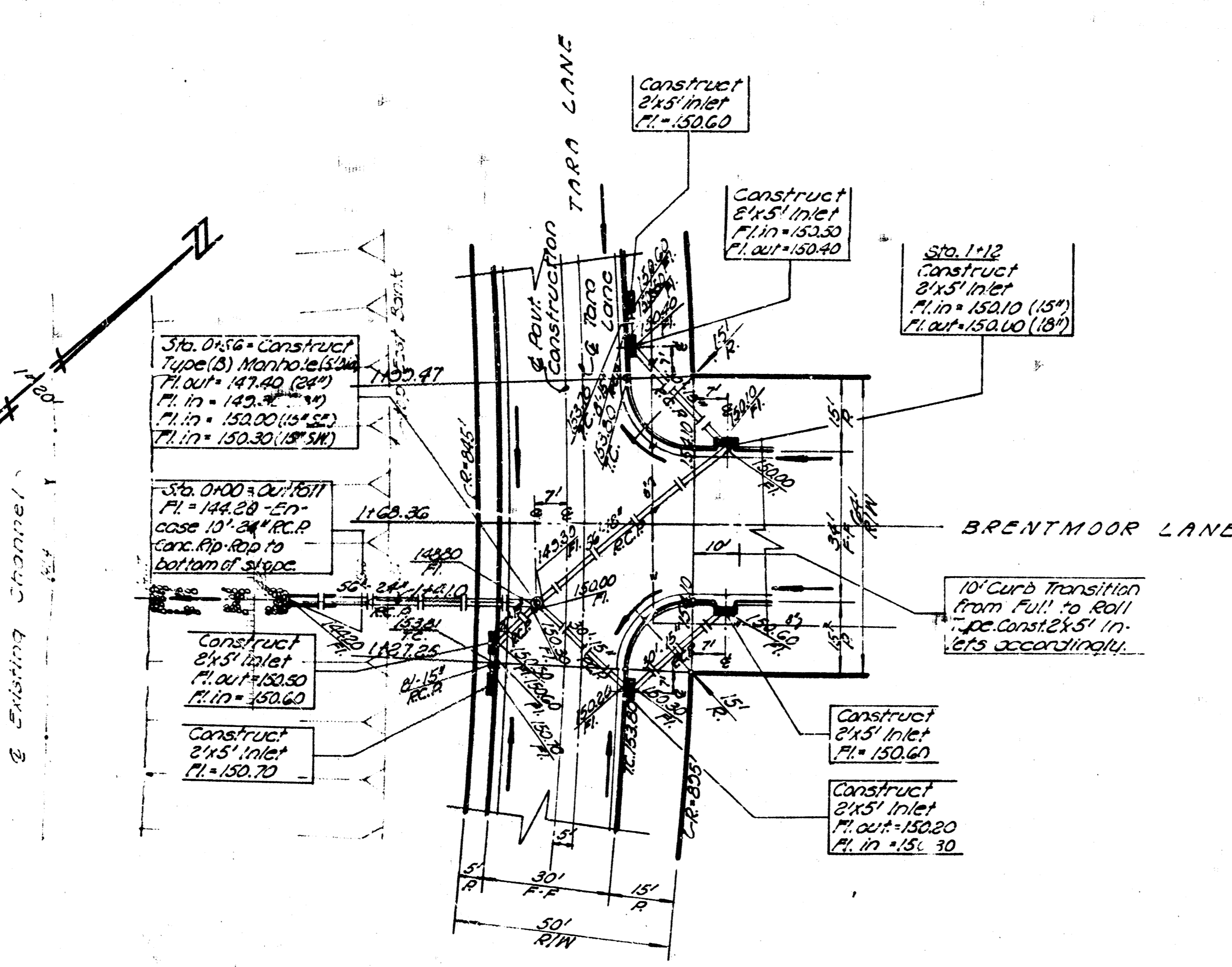
Construct  
24" Inlet  
P.I. out = 150.20  
P.I. in = 150.30

Construct  
24" Inlet  
P.I. = 150.60

Construct  
24" Inlet  
P.I. in = 150.30  
P.I. out = 150.40

St. 0112 Construct  
24" Inlet  
P.I. in = 150.10 (15")  
P.I. out = 150.00 (18")

Surveyed by E. J. Jones  
Checked by  
Date



**"INCIDENTAL DRAINAGE"**  
In connection with Brookhollow 2nd Addn.  
CITY OF WICHITA, KANSAS  
E. C. Smith  
Date: MARCH, 1971  
City Engineer  
Proj. No. WKS510080