∞BROOKHOLLOW 2ND. ADDITION∞

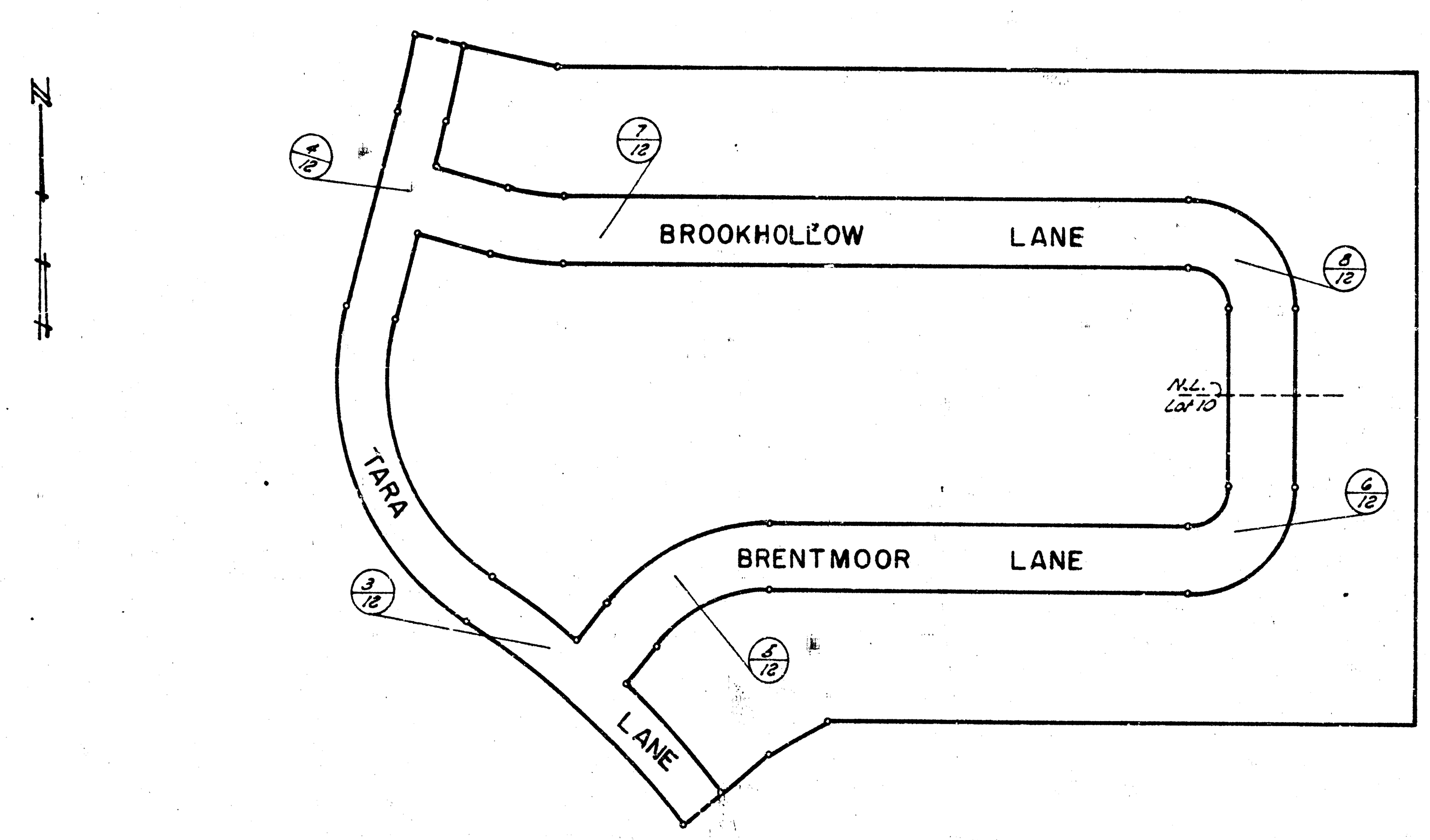
TARA LANE - SL. Brookhollow 2nd. Addition to NL. " " " —— 31'-0" Asph. Conc. Pavt.

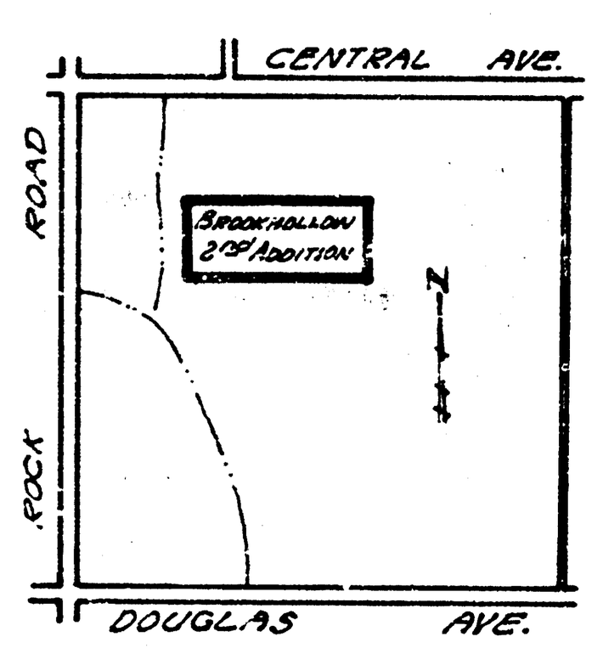
BRENTMOOR LANE - EL. Tara Lane to NL. Lot 10, Blk. (1) Brookhollow 2nd. Addn. —35'-0" " " "

BROOKHOLLOW LANE - EL. Tara Lane to NL. Lot 10, Blk. (1) Brookhollow 2nd. Addition. —35'-0" " " "

—— PROJECT NO. ~~C10-20~~ —— DAKS570020

B.E. SMITH —————— CITY ENGINEER





"LOCATION MAP"

R. W. LINN LICENSED 3684 KANSAS

JAMES H. TANDY 2012

B.E. SMITH LICENSED 436 KANSAS

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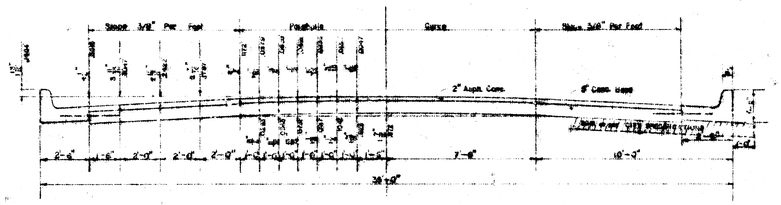
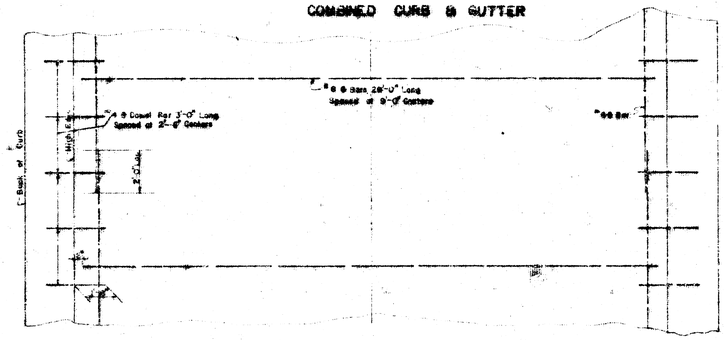
Total Length 3,667'

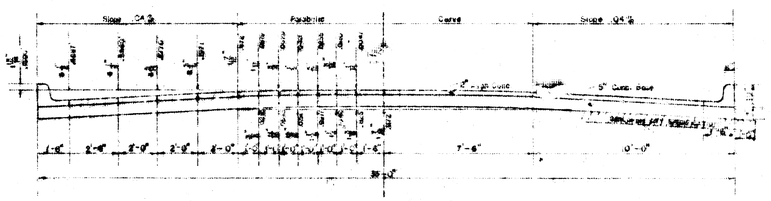
TYPICAL SECTIONS of 34' ASPHALTIC CONCRETE PAVEMENT



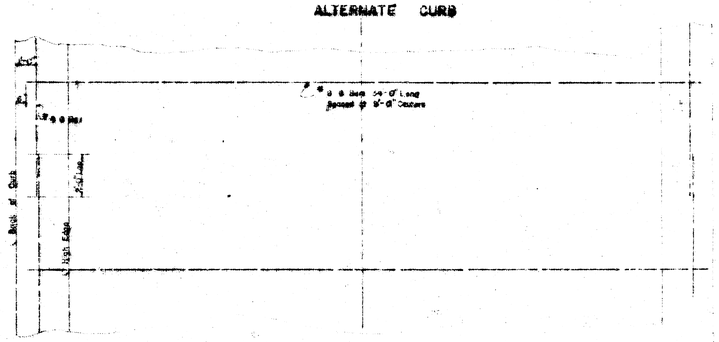
COMBINED CURB & GUTTER



STEEL PATTERN

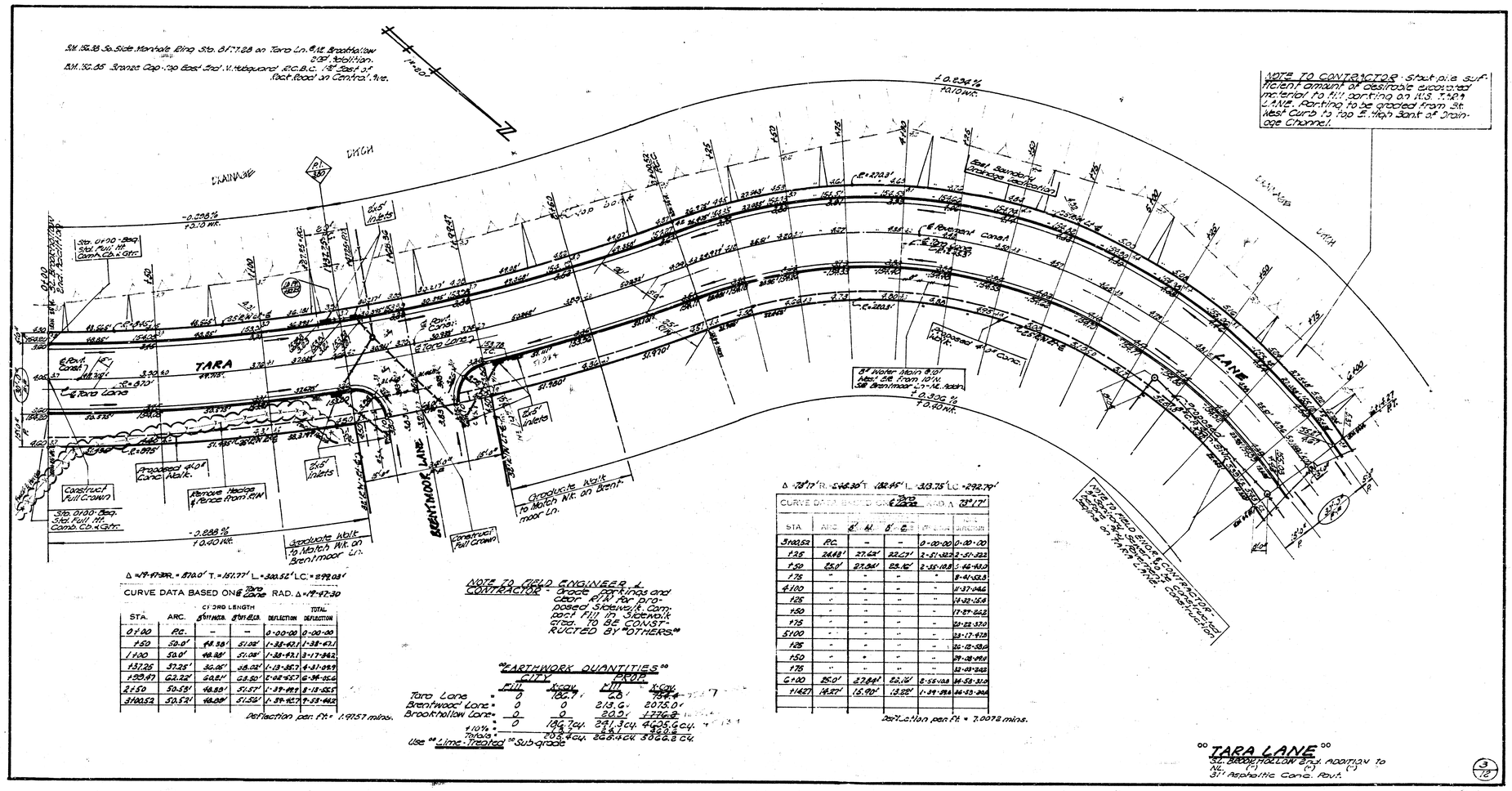


ALTERNATE CURB



STEEL PATTERN

CITY OF WICHITA, KANSAS
Department of Public Works - Engineering Division
A. E. Smith City Engineer
Date MARCH 1971 Project No. 24KS570020
9/12

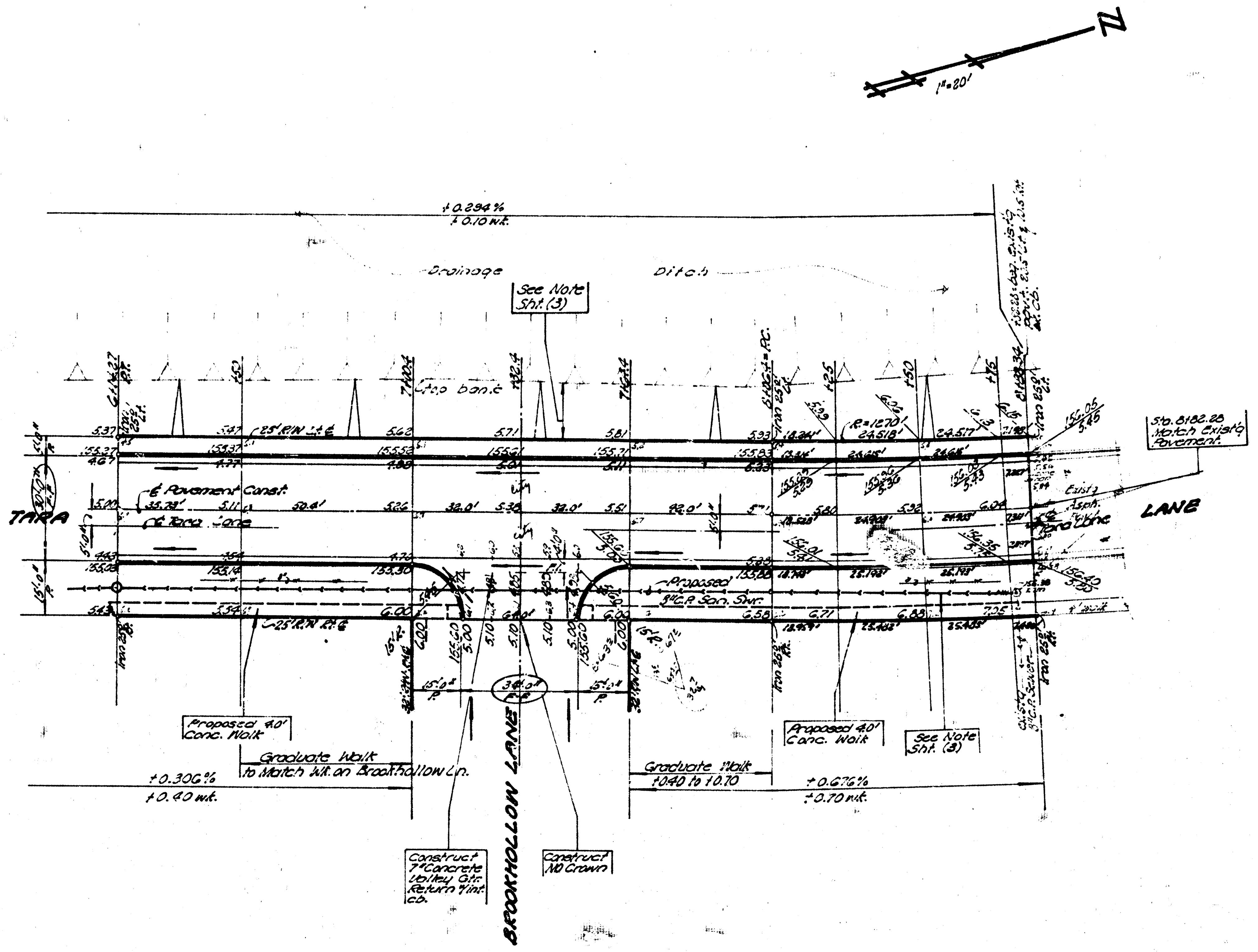


STA.	ARC.	CHORD LENGTH & BEARING		DEFLECTION	TOTAL DEFLECTION
		& BEARING	& LEN.		
0+00	P.C.	–	–	0-00-00	0-00-00
+50	50.0'	N 8 38'	51.08'	1-38-42.1	1-38-42.1
1+00	50.0'	N 8 38'	51.08'	1-38-42.1	3-17-24.2
1+37.25	37.25'	30.06'	28.03'	1-13-36.7	4-31-00.9
1+99.97	62.72'	60.21'	58.50'	2-08-45.7	6-39-46.6
2+50	50.53'	N 8 38'	51.57'	1-39-19.9	8-18-53.5
3+00.52	50.52'	N 8 38'	51.52'	1-39-19.7	9-58-13.2

Deflection per Ft. = 1.9957 mins.

STA.	ARC.	CHORD LENGTH & BEARING		DEFLECTION	TOTAL DEFLECTION
		& BEARING	& LEN.		
3+00.52	P.C.	–	–	0-00-00	0-00-00
+25	24.48'	22.43'	22.07'	2-51-32.2	2-51-32.2
+50	25.0'	27.84'	23.16'	2-55-10.8	5-46-43.0
+75	"	"	"	"	8-41-53.8
4+00	"	"	"	"	11-37-04.6
+25	"	"	"	"	14-32-15.4
+50	"	"	"	"	17-27-26.2
+75	"	"	"	"	20-22-37.0
5+00	"	"	"	"	23-17-47.8
+25	"	"	"	"	26-12-58.6
+50	"	"	"	"	29-08-09.4
+75	"	"	"	"	32-03-20.2
C+00	25.0'	23.84'	23.16'	2-55-10.8	34-58-31.0
1+42.7	14.27'	15.90'	13.22'	1-39-19.8	36-37-50.8

Deflection per Ft. = 7.0072 mins.



Δ = 3-21-35.6 R. = 1295' T. = 37.98 L. = 75.94' L.C. = 75.93'

CURVE DATA ON ℄ Tara Lane					3-21-35.6
STA.	ARC.	[illegible]	[illegible]	[illegible]	[illegible]
8+06.4	P.C.	-	-	0-00-00	0-00-00
+25	18.60	18.20	18.86	0-24-41.3	0-24-41.3
+50	25.00	24.44	25.35	0-33-11.0	0-57-52.3
+75	25.00	24.46	25.35	0-33-10.9	1-21-33.2
+82.34	7.34	7.18	7.44	0-09-44.5	1-30-47.7

Deflection per Ft. = 1.3273 mins.

"TARA LANE"

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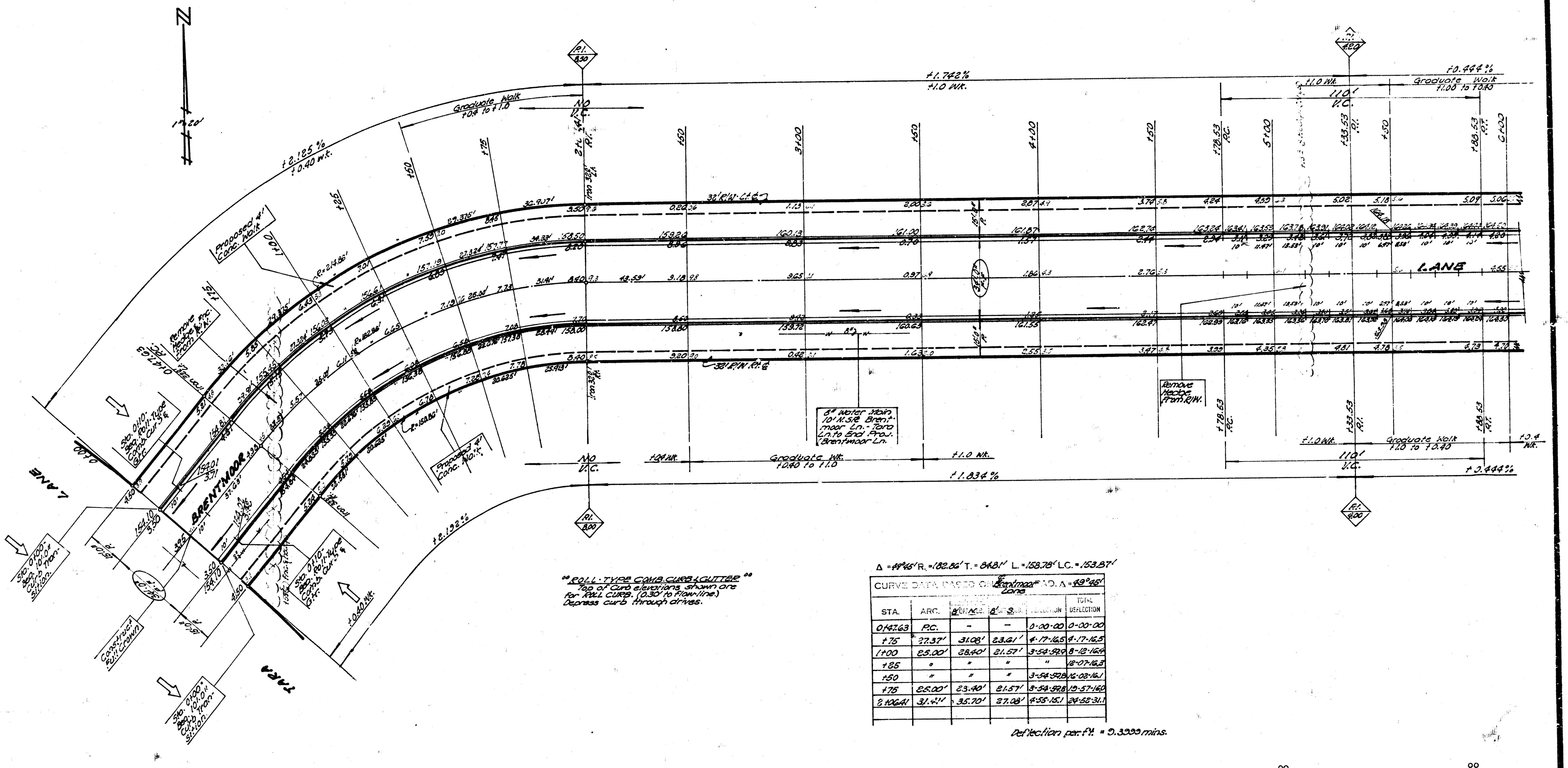

°° ROLL-TYPE COMB. CURB & GUTTER °°
Top of Curb elevations shown are for ROLL CURB. (0.30' to flow-line.)
Depress curb through drives.

Δ = 49°45' R. = 182.86' T. = 84.81' L. = 158.78' LC. = 153.87'

CURVE DATA BASED ON ℄ Brentmoor Lane RAD. Δ = 49°45'

STA.	ARC.	8' Off ℄	8' Off ℄	DEFLECTION	TOTAL DEFLECTION
0+47.63	P.C.	–	–	0-00-00	0-00-00
+75	27.37'	31.08'	23.61'	4-17-16.5	4-17-16.5
1+00	25.00'	28.40'	21.57'	3-54-59.9	8-12-16.4
+25	"	"	"	"	12-07-16.3
+50	"	"	"	3-54-59.8	16-02-16.1
+75	25.00'	23.40'	21.57'	3-54-59.8	19-57-16.0
2+06.41	31.41'	35.70'	27.08'	4-55-15.1	24-52-31.1

Deflection per ft. = 9.3999 mins.

°° BRENTMOOR LANE °°
EL. Toro Lane to N.L. Lot 10-Blk. (1) Brookhollow 2nd. Addition. (34'-Asph. Conc. Pavt.)

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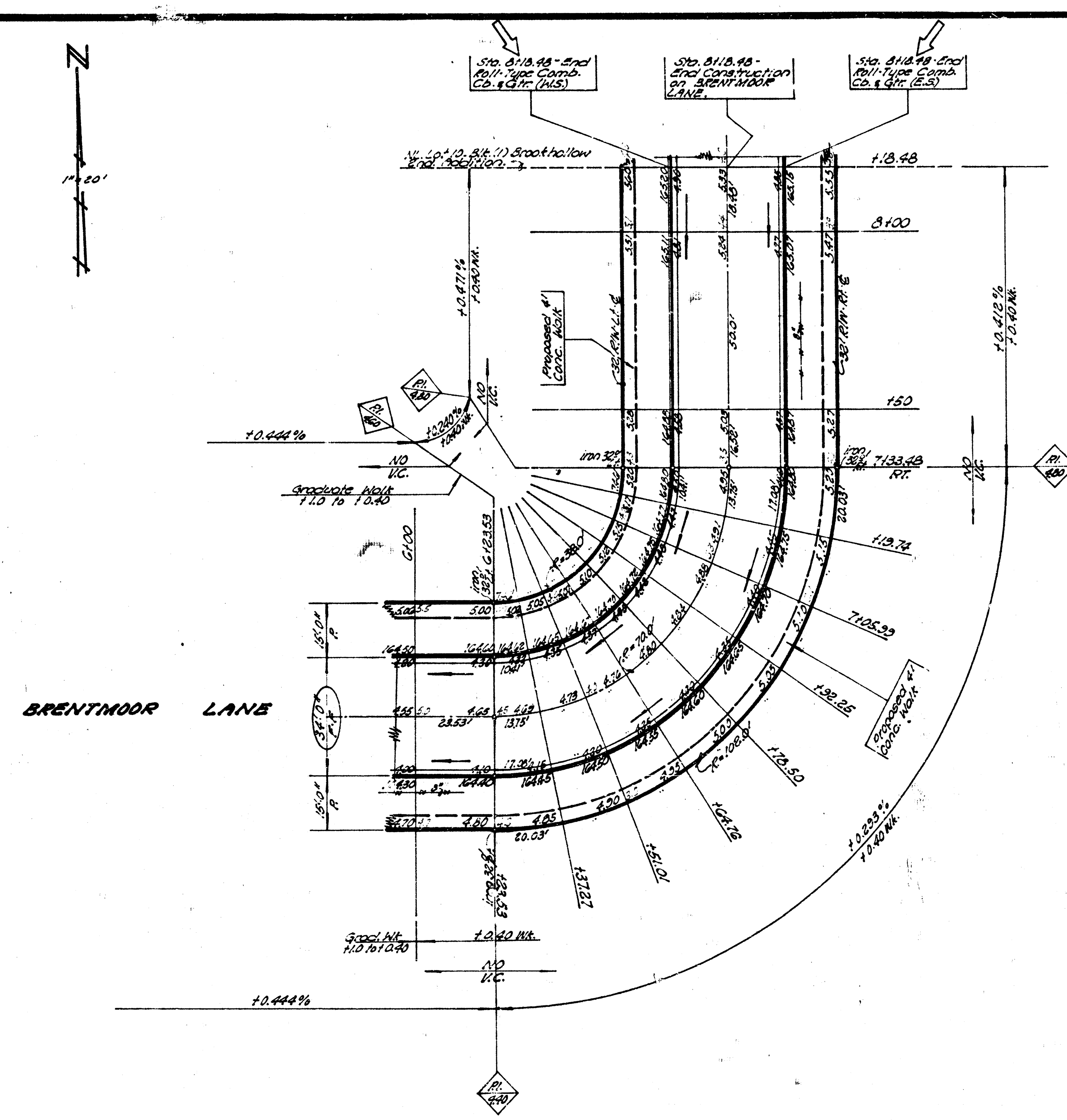

Δ = 90° R. = 70.0' T. = 70.0' L. = 109.96' L.C. = 98.99'

CURVE DATA BASED ON Brentmoor Lane RAD. Δ = 90°					
STA.	ARC.	5' OFF. Ⓛ CB.	5' OFF. Ⓡ CB.	DEFLECTION	TOTAL DEFLECTION
6+23.53	P.C.	-	-	0-00-00	0-00-00
+37.27	13.7445'	9.21'	18.62'	5-37-30	5-37-30
+51.01	"	"	"	"	11-15-00
+64.76	"	"	"	"	16-52-30
+78.50	"	"	"	"	22-30-00
+92.25	"	"	"	"	28-07-30
7+05.99	"	"	"	"	33-45-00
+19.74	"	"	"	"	39-22-30
7+33.48	13.7445'	9.21'	18.62'	5-37-30	45-00-00

Deflection per ft. = 34.555334 mins.

"BRENTMOOR LANE"

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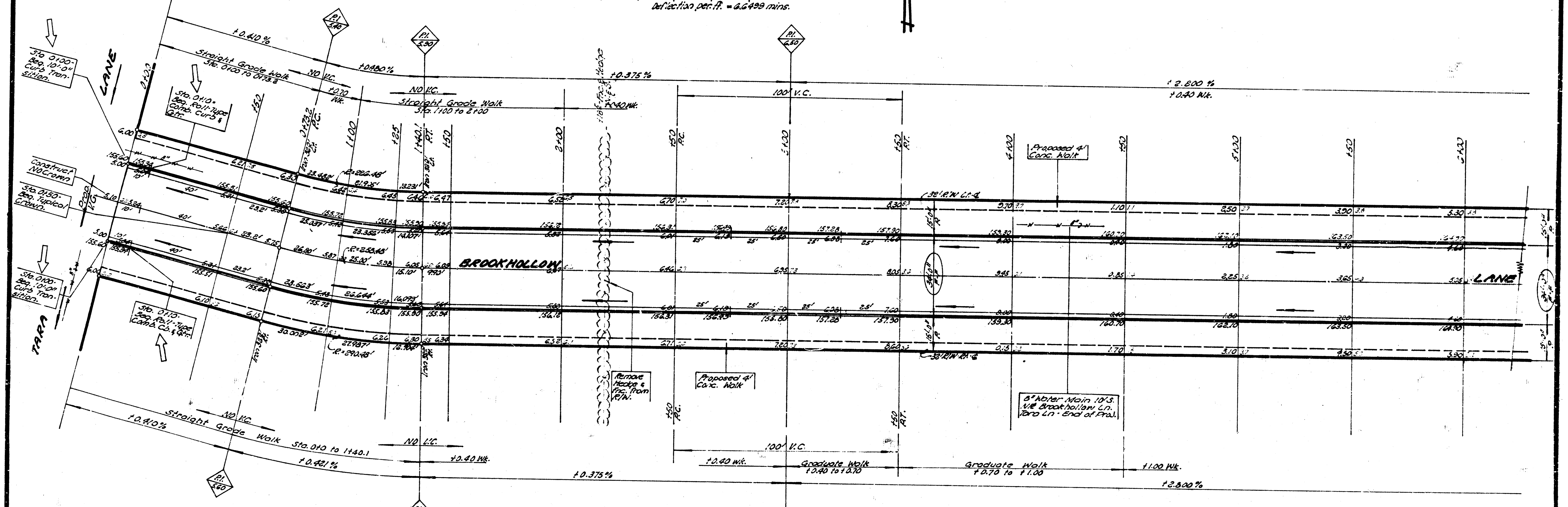
Δ = 14·49·46 R. = 258.48' T. = 33.64' L. = 66.90' L.C. = 66.71'

CURVE DATA FOR ℄ OF Brookhollow Lane	RAD. Δ = 14·49·46				
STA.	ARC	℄ to N. [illegible]	℄ to S. [illegible]	DEFLECTION	TOTAL DEFLECTION
0+73.2	P.C.	-	-	0·00·00	0·00·00
1+00	26.8'	24.20'	29.38'	2·58·13.0	2·58·13.0
+25	25.0'	22.57'	27.41'	2·46·14.9	5·44·27.9
+40.1	15.1'	13.64'	16.56'	1·40·24.8	7·24·52.7

Deflection per ft. = 6.6499 mins.



"ROLL·TYPE COMB. CURB & GUTTER"
Top of curb elevations shown are
for ROLL CURB (0.30' to Flo·line.)
Depress curb through drives.

"BROOKHOLLOW LANE"

E.L. Tara Lane to N.L. Lot 10-Blk.(1) Brookhollow 2nd. Addition.

(34' Asph. Conc. Pavt. w/ Roll-Type Comb. Cb. & Gtr.)

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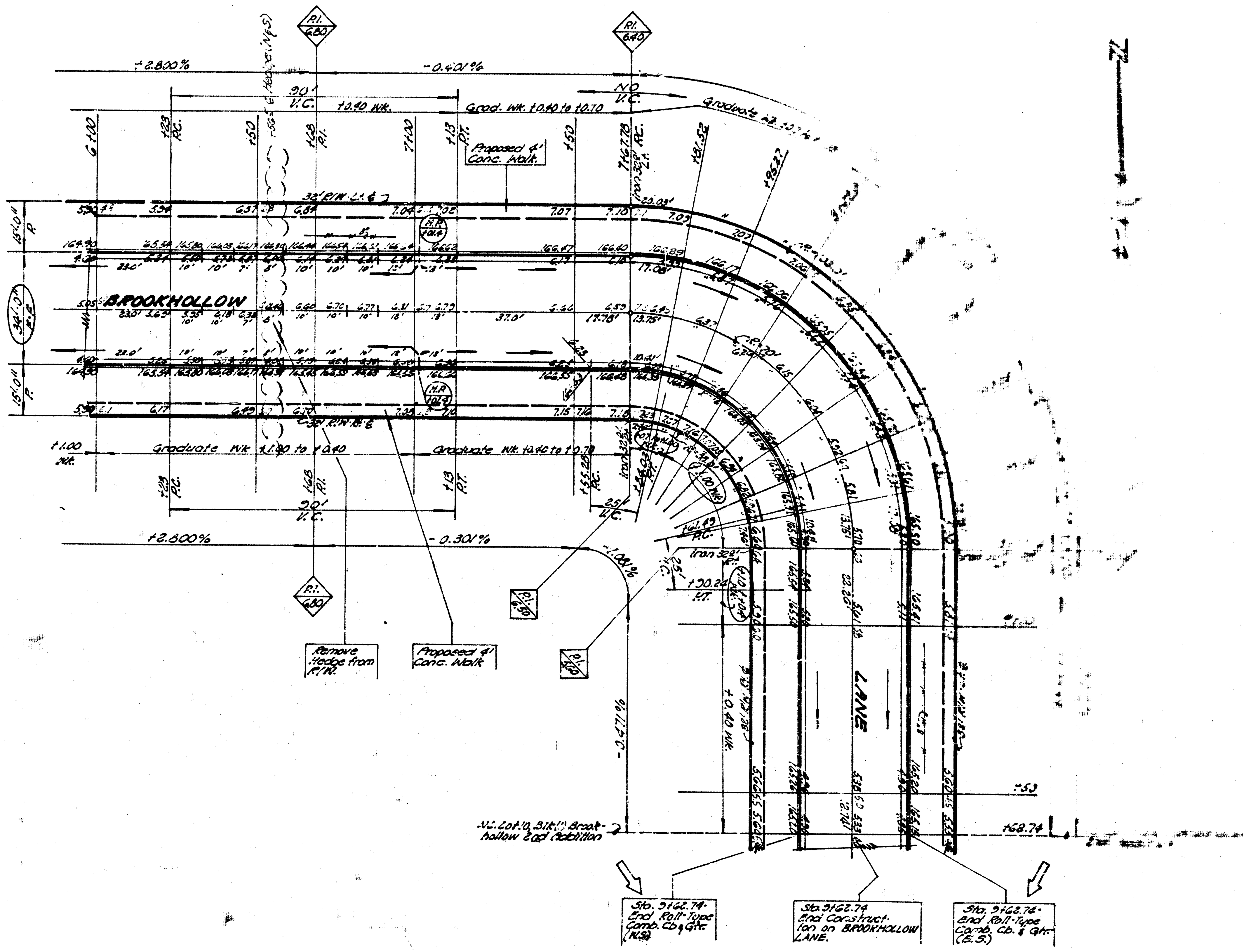
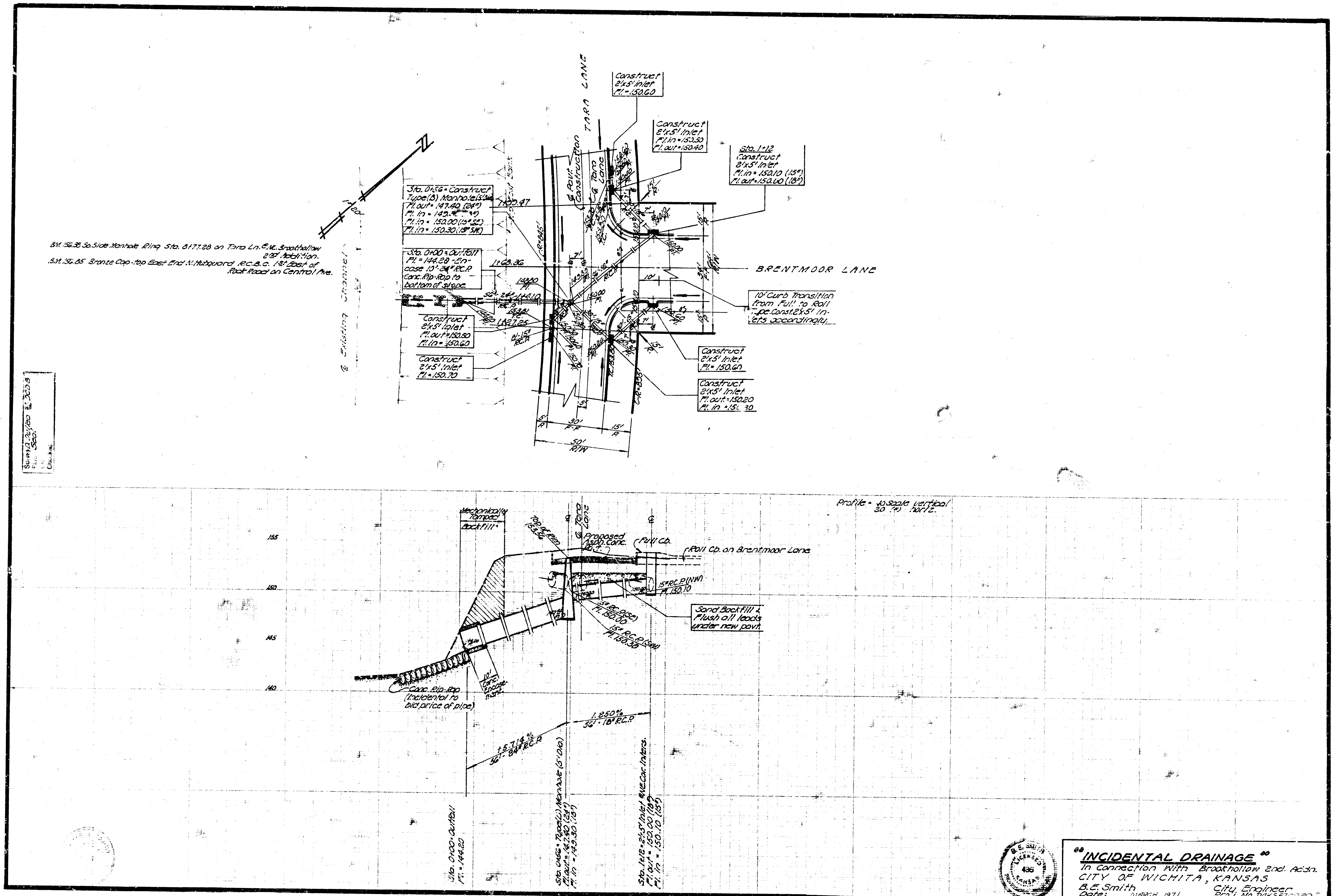


Δ = 90° R. = 70.00' T. = 70.0' L. = 109.96' LC. = 98.99'

STA.	ARC	8' S.	8' N.		
7+67.78	P.C.	-	-	0-00-00	0-00-00
+81.52	13.7445'	9.21'	18.68'	5°-37-30	5°-37-30
+95.27	"	"	"	"	11-15-00
8+09.01	"	"	"	"	16-52-30
+22.76	"	"	"	"	22-30-00
+36.50	"	"	"	"	28-07-30
+50.25	"	"	"	"	33-45-00
+64.00	"	"	"	"	39-22-30
8+77.74	13.7445'	9.21'	18.68'	5°-37-30	45-00-00

Deflection per Ft. = 24.556334 mins.

BROOKHOLLOW LANE


TARA LANE
BRENTMOOR LANE
Construct 2'x5' Inlet Fl. = 150.60
Construct 2'x5' Inlet Fl. in = 150.50 Fl. out = 150.40
Sta. 1+12 Construct 8'x5' Inlet Fl. in = 150.10 (15") Fl. out = 150.00 (18")
10' Curb Transition from Full to Roll type. Const. 2'x5' inlets accordingly.
Construct 2'x5' Inlet Fl. = 150.60
Construct 2'x5' Inlet Fl. out = 150.20 Fl. in = 150.30
Construct 2'x5' Inlet Fl. out = 150.50 Fl. in = 150.60
Construct 2'x5' Inlet Fl. = 150.70
Profile - 10 Scale vertical 30 " horiz.
Roll Cb. on Brentmoor Lane
Sand Backfill & Flush all leads under new pavt.
Mechanically Tamped Backfill
Conc. Rip-Rap (Incidental to bid price of pipe)
1.850% 56' - 18" R.C.P.

11 8 3 (2)