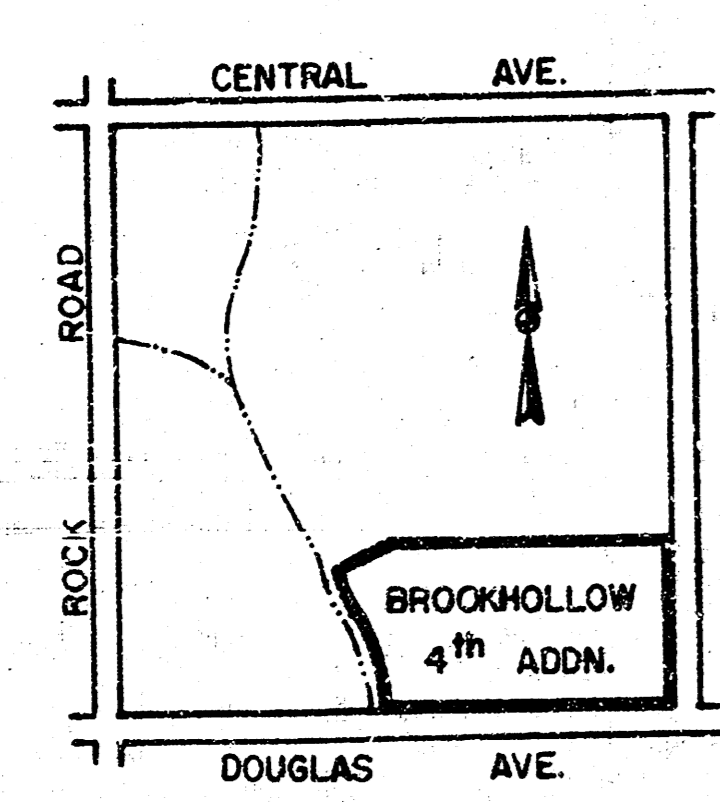
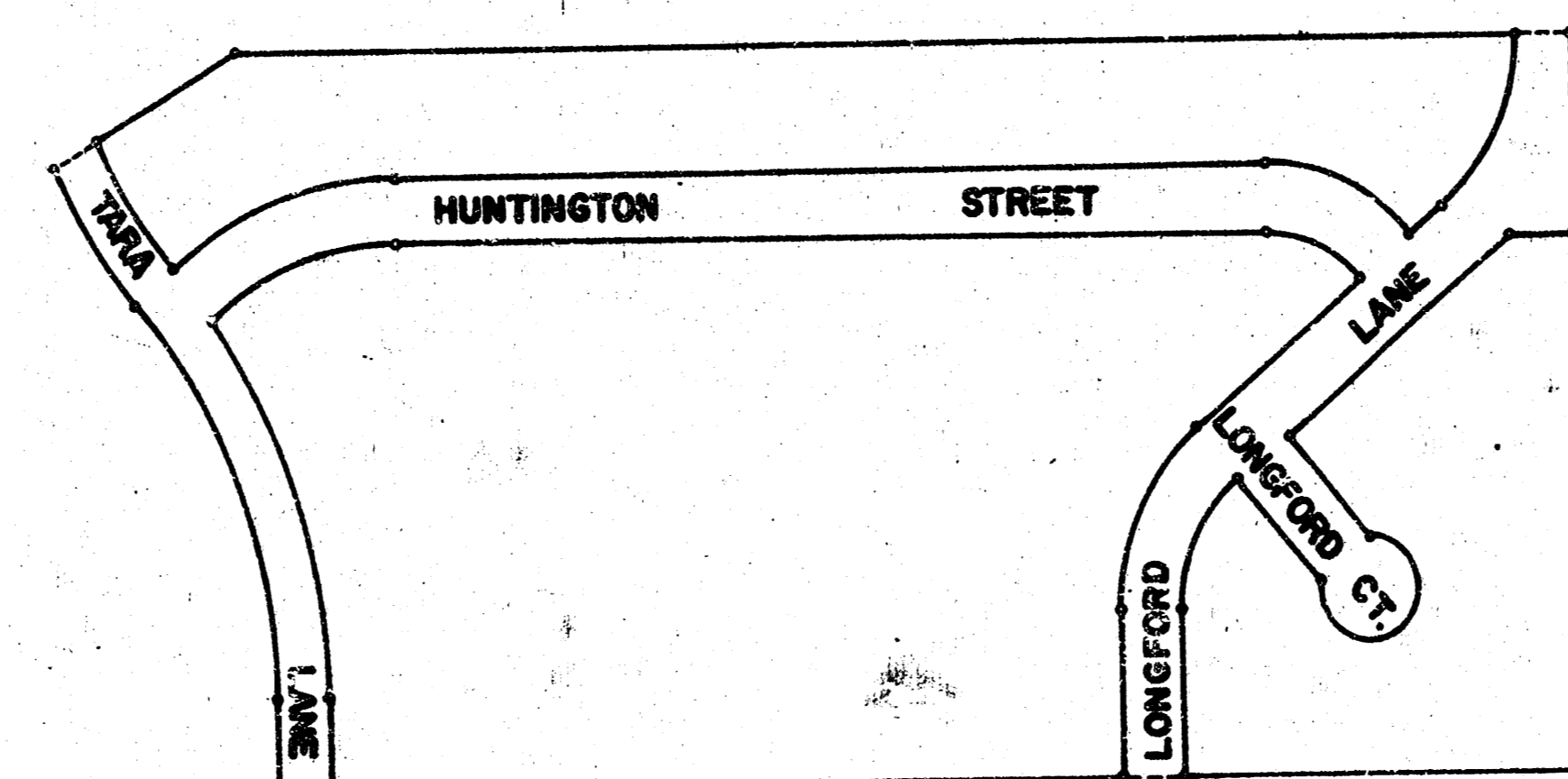


BROOKHOLLOW 4th ADDITION

TARA LANE—N.L. Douglas to the N.L. Brookhollow 4th Addn.—31' A.C. Pavt.
HUNTINGTON STREET—E.L. Tara Ln. to the W.L. Longford Ln.—35' A.C. Pavt.
LONGFORD LANE—N.L. Douglas to the N.L. Brookhollow 4th Addn.—31' A.C. Pavt.
LONGFORD COURT—E.L. Longford Ln. to & Incl. Cul-De-Sac—35' A.C. Pavt.



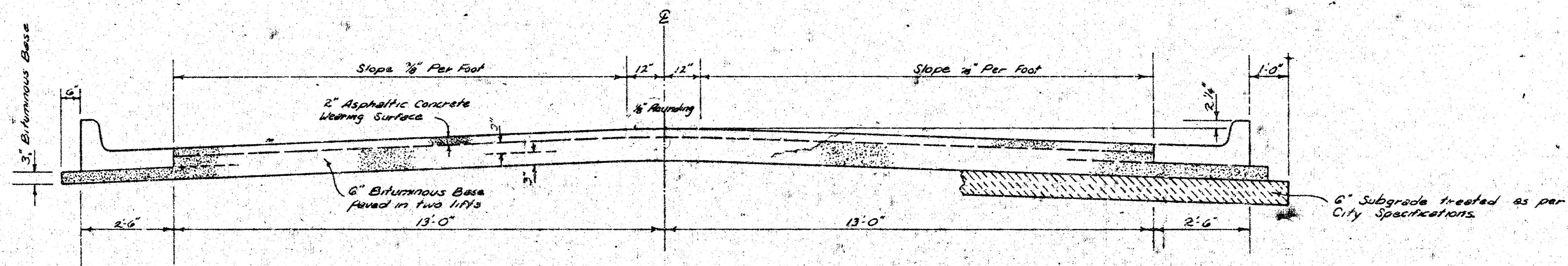
LOCATION MAP

CITY of WICHITA, KANSAS
R.W. Linn—City Engineer
Proj. No. DAKS575110 Date _____



TARA LANE
N.L. DOUGLAS AVE. TO N.L. BROOKHOLLOW 4TH ADDITION

LONGFORD LANE
N.L. DOUGLAS AVE. TO N.L. BROOKHOLLOW 4TH ADDITION

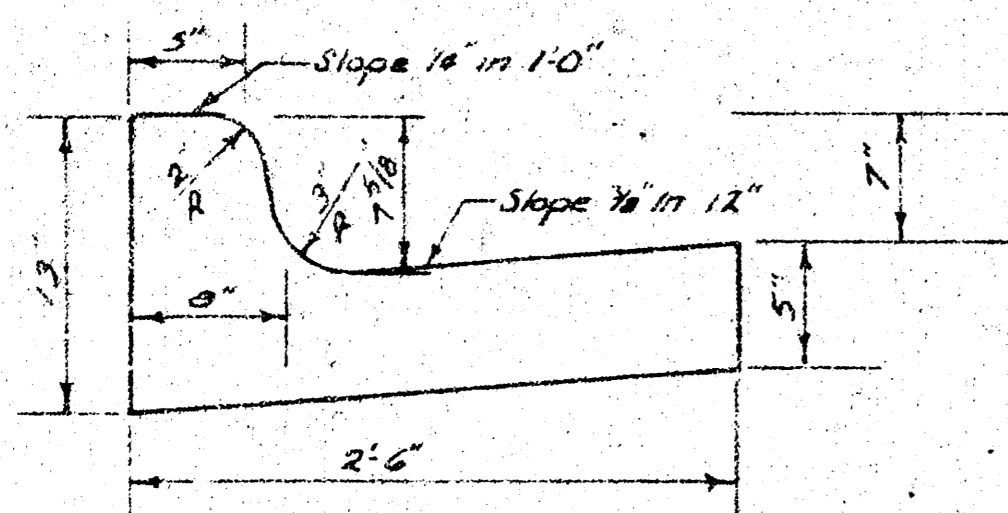


TYPICAL SECTION

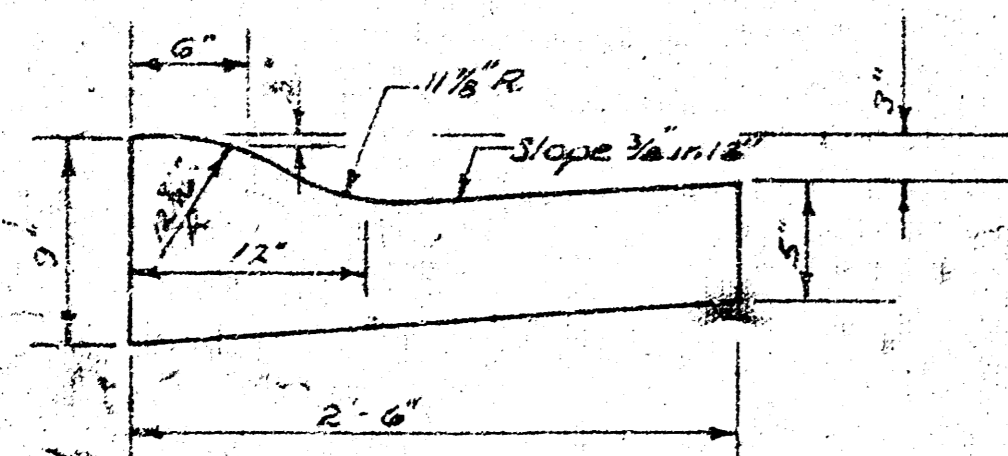
3" ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

The A.C. pavement between the Comb. Curb & gutter shall be paid as 5¢ 1/2 2" A.C. Pavement (6" Bituminous Base). The Bituminous Base under the Comb. Curb & gutter shall be paid as 5¢ 1/2 3" Bituminous Base.

COMBINED CURB & GUTTER

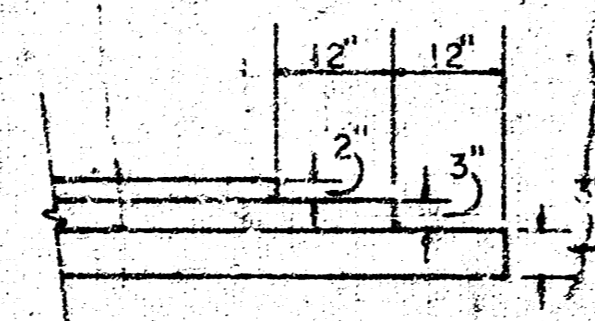


ROLL TYPE CURB & GUTTER



A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQ. YD. BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

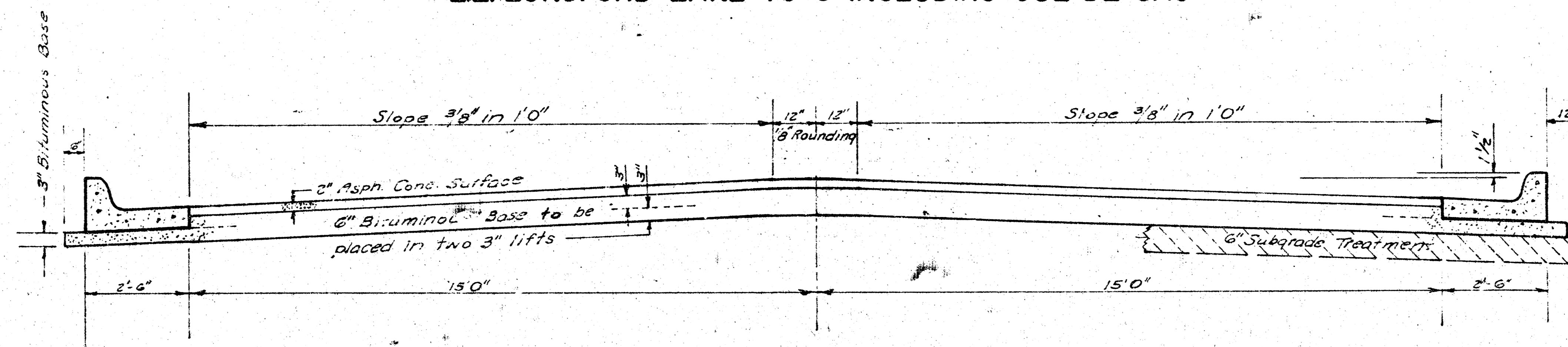
R. W. LINN CITY ENGINEER

DATE: FEB, 1976 PROJ. NO. DAKS 575110

(2/10)

HUNTINGTON STREET
 BROOKHOLLOW 4TH ADDITION
 E.L. TARA LANE TO W. L. LONGFORD LANE

LONGFORD COURT
 BROOKHOLLOW 4TH ADDITION
 E.L. LONGFORD LANE TO E INCLUDING CUL-DE-SAC



TYPICAL SECTION

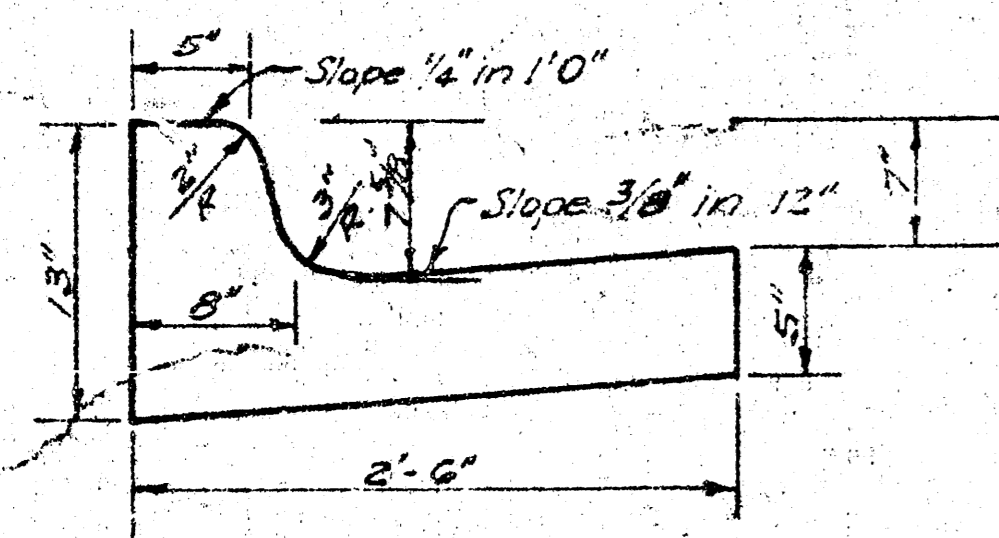
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

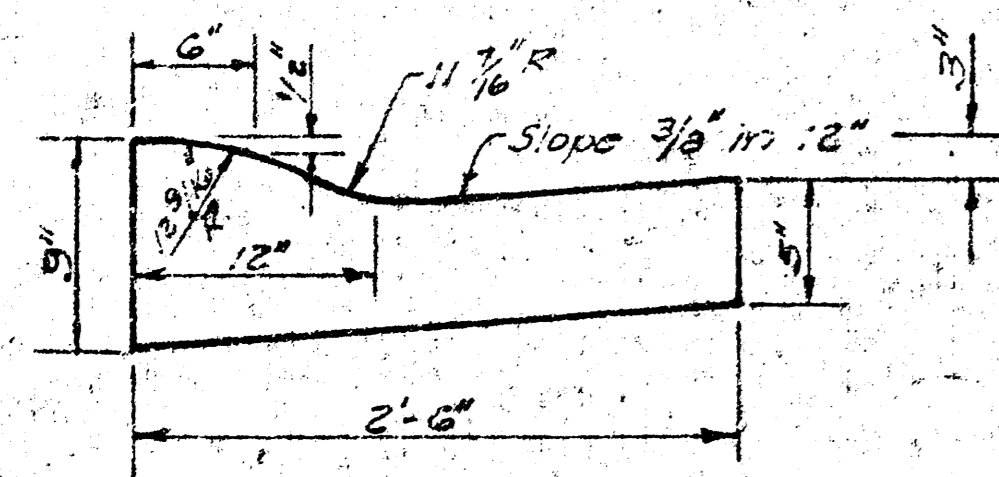
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

The A.C. Pavement between the comb curb & gutter shall be paid as Sq.Yds. 8" A.C. Pavement (6" Bituminous Base).
 The Bituminous Base under the comb curb & gutter shall be paid as Sq.Yds. 3" Bituminous Base.

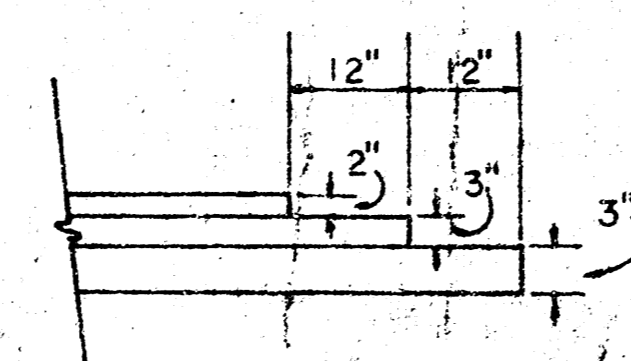
COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CITY OF WICHITA KANSAS

DEPARTMENT of PUBLIC WORKS - Engineering
 Division

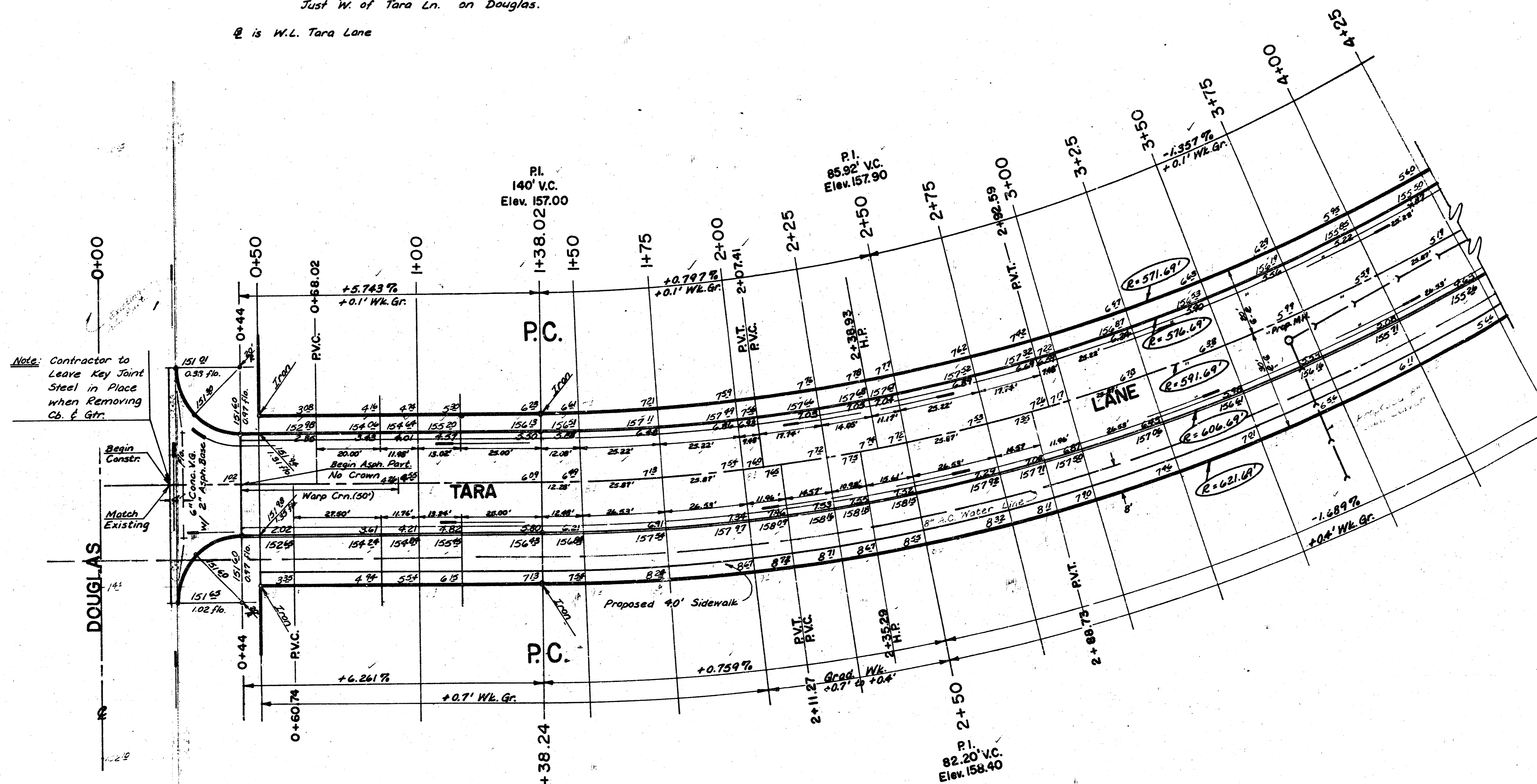
R. W. LINN CITY ENGINEER

DATE FEB, 1976 Proj. No. DAKS 575110

3/10

B.M. = 154.28 City of Wichita B.M. Disc Top E. End N. Handrail to R.C.B.
 Just W. of Linden Dr. on Douglas.
 B.M. = 154.44 R.R. Spike in N.E. Side P.R. 148.5' ± W. of @ Longford Ln. @ N.S. Douglas
 B.M. = 153.81 City of Wichita B.M. Disc Top E. End N. Handrail to R.C.B.
 Just W. of Tara Ln. on Douglas.
 @ is W.L. Tara Lane

Scale 1" = 20'



Δ = 40°30' H = 571.69' T = 200.91' L = 404.10' LC = 343.74'

STA.	ARC	CHORD LENGTH	DELTA	ANGLE
1+38.02				0°00'00"
1+50	11.98'	11.98'	12.88'	0°36'01"
1+75	25.00'	25.00'	26.87'	1°12'10"
2+00				3°06'21"
2+25				4°21'31"
2+50				5°36'41"
2+75				6°51'51"
3+00				8°07'01"
3+25				9°22'11"
3+50				10°37'21"
3+75				11°52'31"
4+00				13°07'41"
4+25				14°22'51"
4+50				15°38'01"
4+75				16°53'11"
5+00				18°08'21"
5+25	25.00'	25.00'	36.88'	1°12'10"
5+48.12	17.6'	17.6'	18.51'	0°51'29"

Defl. / ft. = 3.0066529 Min.

	EARTHWORK	
	CITY	PROPERTY
EXCAVATION	479.1 C.Y.	729.5 C.Y.
+10%	479.1 C.Y.	730.0 C.Y.
	527.6 C.Y.	802.5 C.Y.
COMP. FILL	6.8 C.Y.	29.5 C.Y.
+10%	0.7 C.Y.	3.0 C.Y.
	7.5 C.Y.	32.5 C.Y.
MANIPULATION = 2690 S.Y.		

☐ = Removal

Note: Contractor to Contact Bell Tel. Co. for location of Underground Utilities.

NOTE TO FIELD ENGINEER & CONTRACTOR
 Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. To be constructed by "OTHERS".

SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

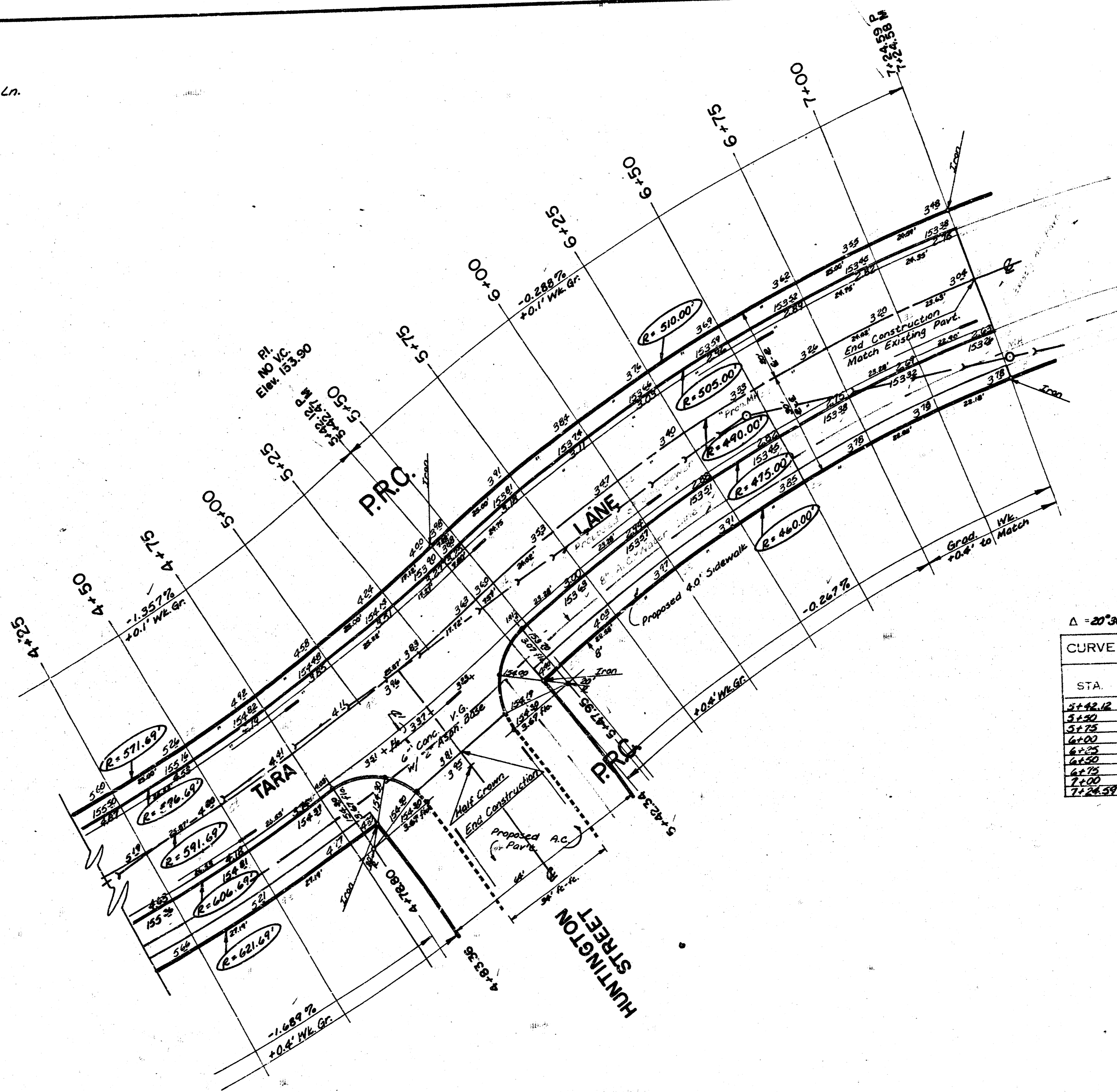
TARA LANE
 N.L. DOUGLAS AVE. to the N.L. BROOK-HOLLOW 4th ADDN.
 26-2-30 A.C. Pavt. with Bituminous Base
CITY OF WICHITA, KANSAS
 R.W. LINN — CITY ENGINEER
 Proj. No. DAKS 57510
 Date FEB. 1976 (7/10)

FILMED FROM THE BEST AVAILABLE COPY

@ is W.L. Tara Ln.



Scale 1" = 20'



$\Delta = 20^\circ 30' R = 510'$ T = 92.22' L = 182.47' C = 181.50'

CURVE DATA BASED ON W.C. RAD. $\frac{1}{2} 12^\circ 15'$

STA.	ARC.	CHORD LENGTH		CHORD BEARING	CURVE BEARING
		W.C.	W.C.		
4+25	7.88'	7.92'	7.82'	0° 20' 54"	0° 20' 00"
5+20	25.00'	25.14'	24.89'	1° 24' 16"	1° 20' 44"
5+75	25.00'	25.14'	24.89'	1° 24' 16"	3° 10' 03"
6+00	"	"	"	1° 24' 16"	4° 39' 53"
6+25	"	"	"	1° 24' 16"	5° 09' 32"
6+50	"	"	"	1° 24' 16"	7° 27' 51"
6+75	25.00'	25.14'	24.89'	1° 24' 16"	8° 53' 01"
7+00	25.00'	25.14'	24.89'	1° 24' 53"	10° 13' 00"

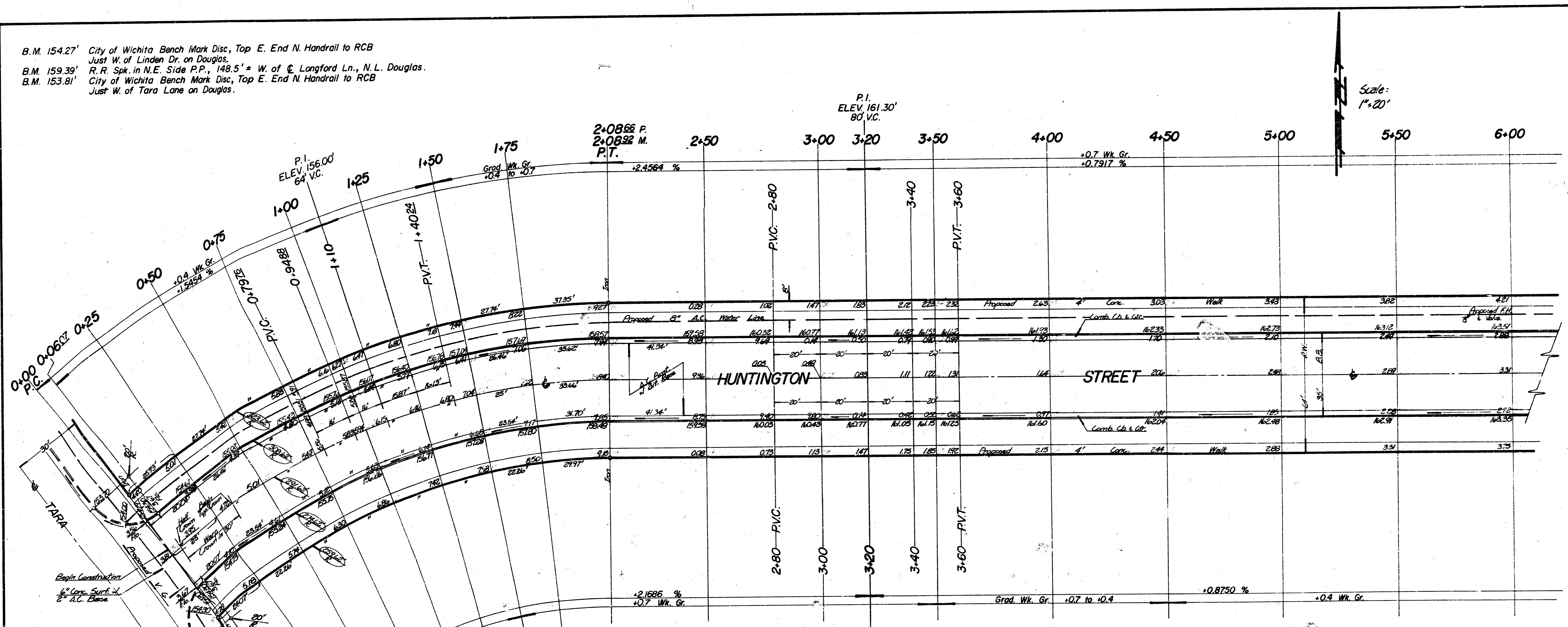
DELT / H = 3.37034 Min.

(5/10)

FILMED FROM THE BEST AVAILABLE COPY.....

B.M. 154.27' City of Wichita Bench Mark Disc, Top E. End N. Handrail to RCB
 Just W. of Linden Dr. on Douglas.
 B.M. 159.39' R.R. Spk. in N.E. Side P.P., 148.5' W. of C. Longford Ln., N.L. Douglas.
 B.M. 153.81' City of Wichita Bench Mark Disc, Top E. End N. Handrail to RCB
 Just W. of Tara Lane on Douglas.

Scale:
 1"=20'



Survey DALLEY Bk. DCD 474
 Plan MORTEN
 Exc.
 Checked

$\Delta = 40.9147^\circ$ $R = 291.62'$ $T = 109.02'$ $L = 208.66'$ $L.C. = 204.24'$

CURVE DATA BASED ON $\Delta = 40.9147^\circ$ $RAD. \Delta = 20.2153^\circ$

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		B' OF LCB	B' OF RCB		
0+00	—	—	—	0° 00' 00"	0° 00' 00"
0+25	25'	27.13'	22.85'	2° 27' 21"	2° 27' 21"
0+50	25'	27.13'	22.85'	4° 54' 43"	4° 54' 43"
0+75	25'	27.13'	22.85'	7° 22' 04"	7° 22' 04"
1+00	25'	27.13'	22.85'	9° 49' 25"	9° 49' 25"
1+25	25'	27.13'	22.85'	12° 16' 47"	12° 16' 47"
1+50	25'	27.13'	22.85'	14° 44' 08"	14° 44' 08"
1+75	25'	27.13'	22.85'	17° 11' 29"	17° 11' 29"
2+00	25'	27.13'	22.85'	19° 38' 51"	19° 38' 51"
2+08.66	8.66'	9.40'	7.82'	0° 21' 02"	20° 21' 53"

Note: All Curb Distances Measured on face.
 Contractor to Contact Bell Tel. Co.
 for Underground Utilities.

EARTHWORK QUANTITIES
 —Property—
 Excavation = 3276.5 c.y. Comp. Fill = 372 c.y.
 +10% = 3276 c.y. +10% = 372 c.y.
 Total = 3604.1 c.y. Total = 409 c.y.
 Manipulation = 5008.4 c.y.

NOTE TO FIELD ENGINEER & CONTRACTOR:
 Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area to be constructed by "OTHERS".

SUBGRADE
 TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

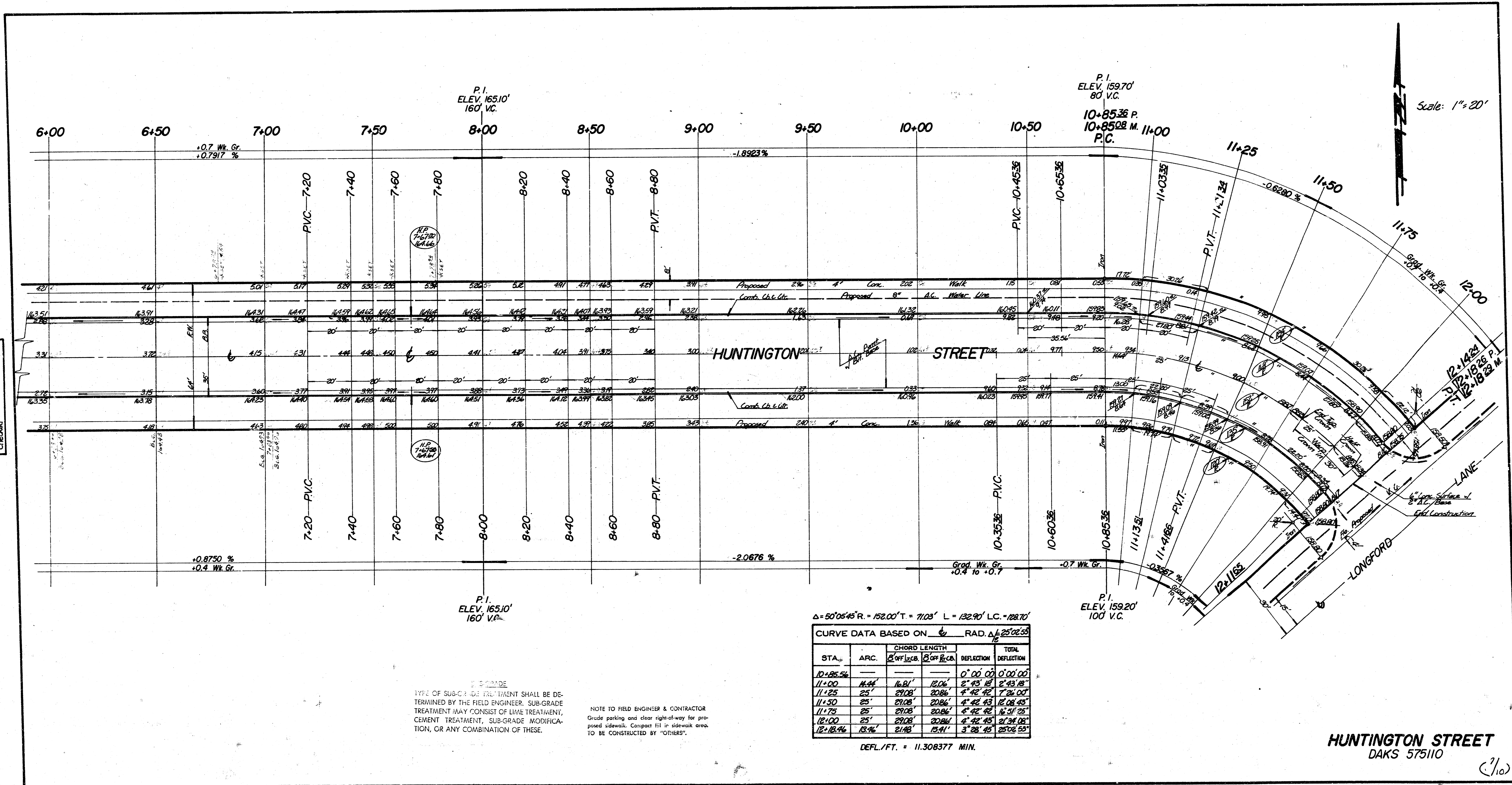
HUNTINGTON STREET
 E.L. TARA LN. TO W.L. LONGFORD LN.
 35' B.B., 2" ASPH. CONC. SURF. W/
 6" BIT. BASE W/ COMB. CB. & GTR.
CITY OF WICHITA
 R.W. LINN CITY ENGINEER
 PROJECT NO. DAKS 575110
 DATE: FEB, 1976

Baseline is C Huntington Street.

DEFL./FT. = 5.894223 MIN.

6/10

Survey DULLIGER, B.S., D.D.M.F.
 Plan MOONEY
 Esc.
 Checked



Scale: 1" = 20'

$\Delta = 50^{\circ}05'45''$ R. = 152.00' T. = 71.03' L. = 132.90' LC. = 122.10'
 CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\Delta = 25^{\circ}02'53''$

STA.	ARC.	CHORD LENGTH		TOTAL DEFLECTION	
		Off L.C.B.	Off R.C.B.	Deflection	Deflection
10+85.56	—	—	—	0° 00' 00"	0° 00' 00"
11+00	14.44'	12.06'	2' 43' 18"	2' 43' 18"	2' 43' 18"
11+25	25'	21.08'	4' 42' 42"	7' 26' 00"	7' 26' 00"
11+50	25'	21.08'	4' 42' 42"	12' 08' 42"	12' 08' 42"
11+75	25'	21.08'	4' 42' 42"	16' 51' 24"	16' 51' 24"
12+00	25'	21.08'	4' 42' 42"	21' 34' 06"	21' 34' 06"
12+18.76	13.76'	21.48'	3' 28' 48"	25' 02' 54"	25' 02' 54"

DEFL./FT. = 11.308377 MIN.

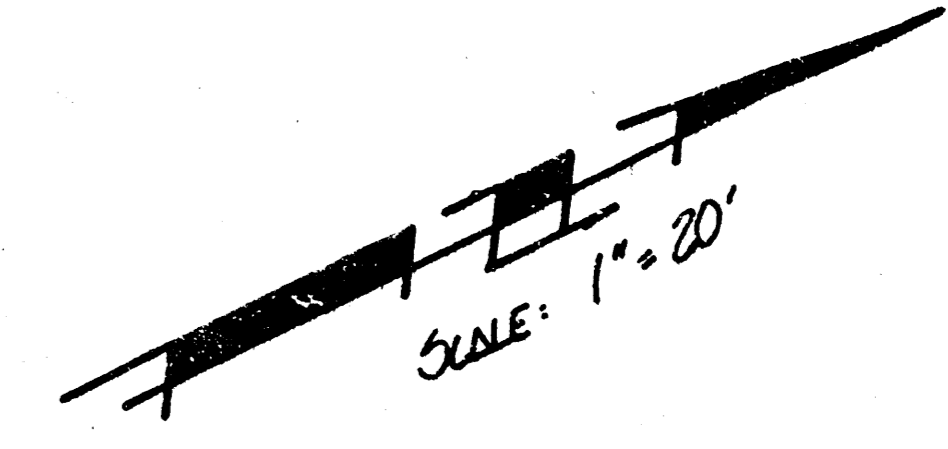
GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
 Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

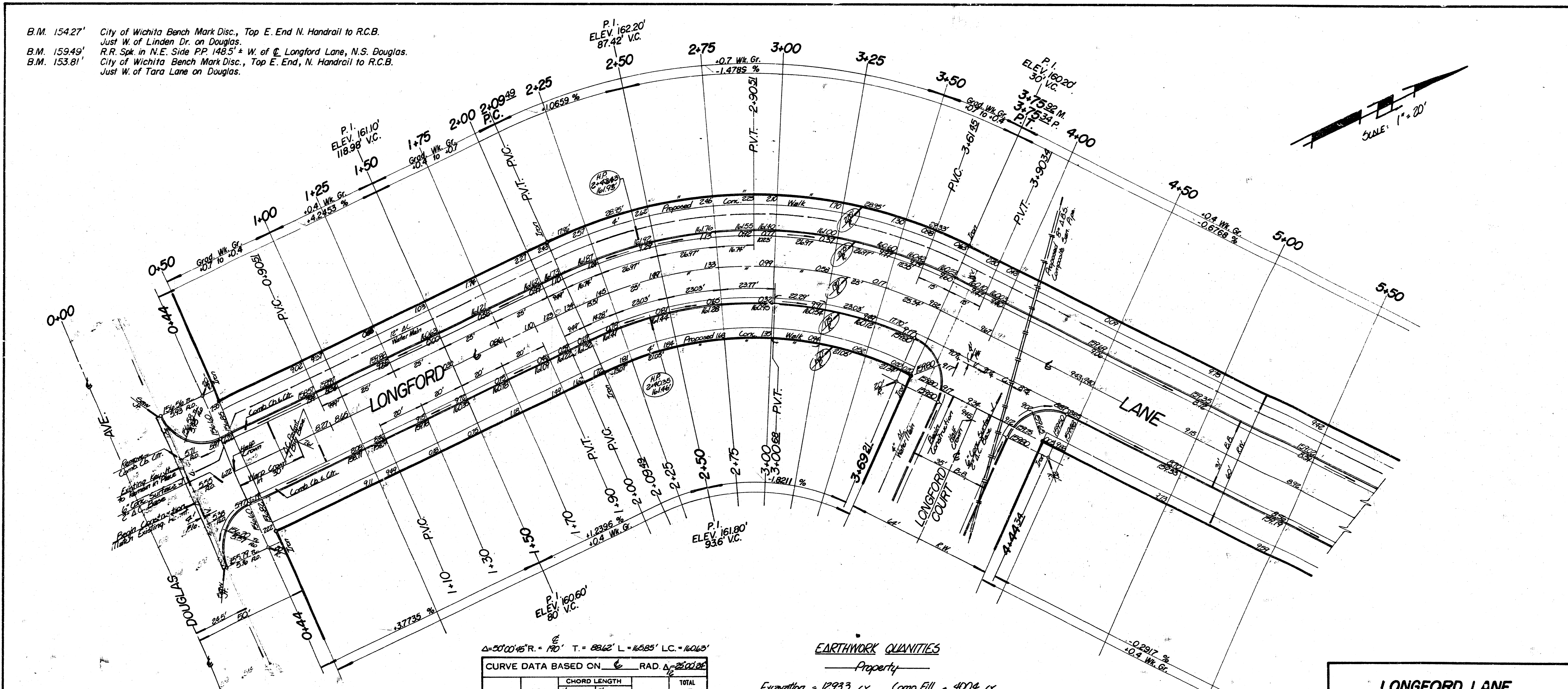
HUNTINGTON STREET
 DAKS 575110

(1/10)

B.M. 15427' City of Wichita Bench Mark Disc., Top E. End N. Handrail to R.C.B.
 Just W. of Linden Dr. on Douglas.
 B.M. 15949' R.R. Spk. in N.E. Side PP. 148.5' W. of E. Longford Lane, N.S. Douglas.
 B.M. 15381' City of Wichita Bench Mark Disc., Top E. End, N. Handrail to R.C.B.
 Just W. of Tara Lane on Douglas.



Survey
 Plan
 Exc.
 Checked



Curb Distances Measured on Face.
 [Symbol] = Removal
 Contractor to Contact Bell Tel. Co.
 For Underground Utilities.

NOTE TO FIELD ENGINEER & CONTRACTOR
 Cross parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

Baseline is @ Longford Lane.

Δ=50'00" R=170' T=284.62' L=165.85' LC=140.63'

CURVE DATA BASED ON RAD. Δ=250228'

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		OFF L. CR.	OFF R. CR.		
2+02.89				0.00' 00"	0' 00" 00"
2+25	15.51'	17.54'	13.46'	2' 21" 19"	2' 21" 19"
2+50	25'	28.27'	21.69'	3' 46" 10"	6' 06" 29"
2+75	25'	28.27'	21.69'	3' 46" 10"	9' 52' 39"
3+00	25'	28.27'	21.69'	3' 46" 10"	13' 38' 49"
3+25	25'	28.27'	21.69'	3' 46" 10"	17' 24' 59"
3+50	25'	28.27'	21.69'	3' 46" 10"	21' 11' 09"
3+75.34	25.34'	28.65'	21.98'	3' 48" 15"	25' 00' 24"

DEFL./FT. = 9.046702 MIN.

EARTHWORK QUANTITIES

Property
 Excavation = 1293.3 cy. Comp. Fill = 400.4 cy.
 +10% = 129.3 cy. +10% = 40.0 cy.
 Total = 1422.6 cy. Total = 440.4 cy.

City
 Excavation = 158.3 cy. Comp. Fill = 17.1 cy.
 +10% = 15.8 cy. +10% = 1.7 cy.
 Total = 174.1 cy. Total = 18.8 cy.

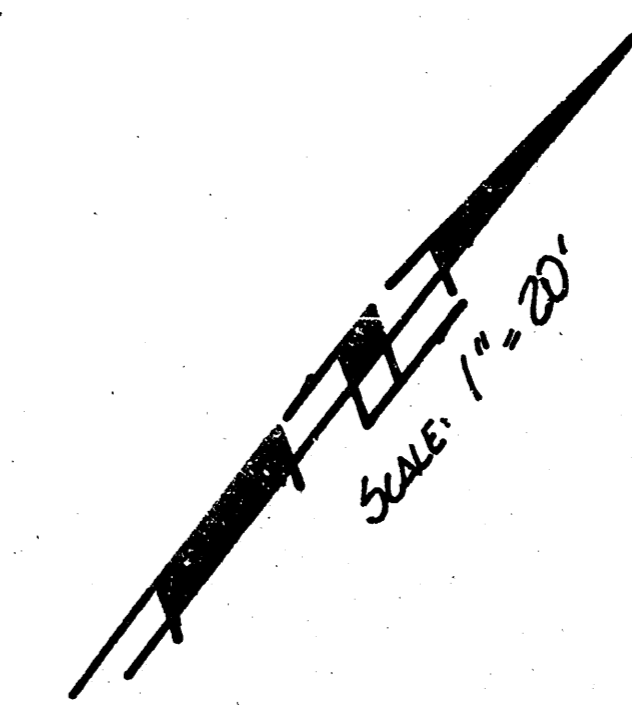
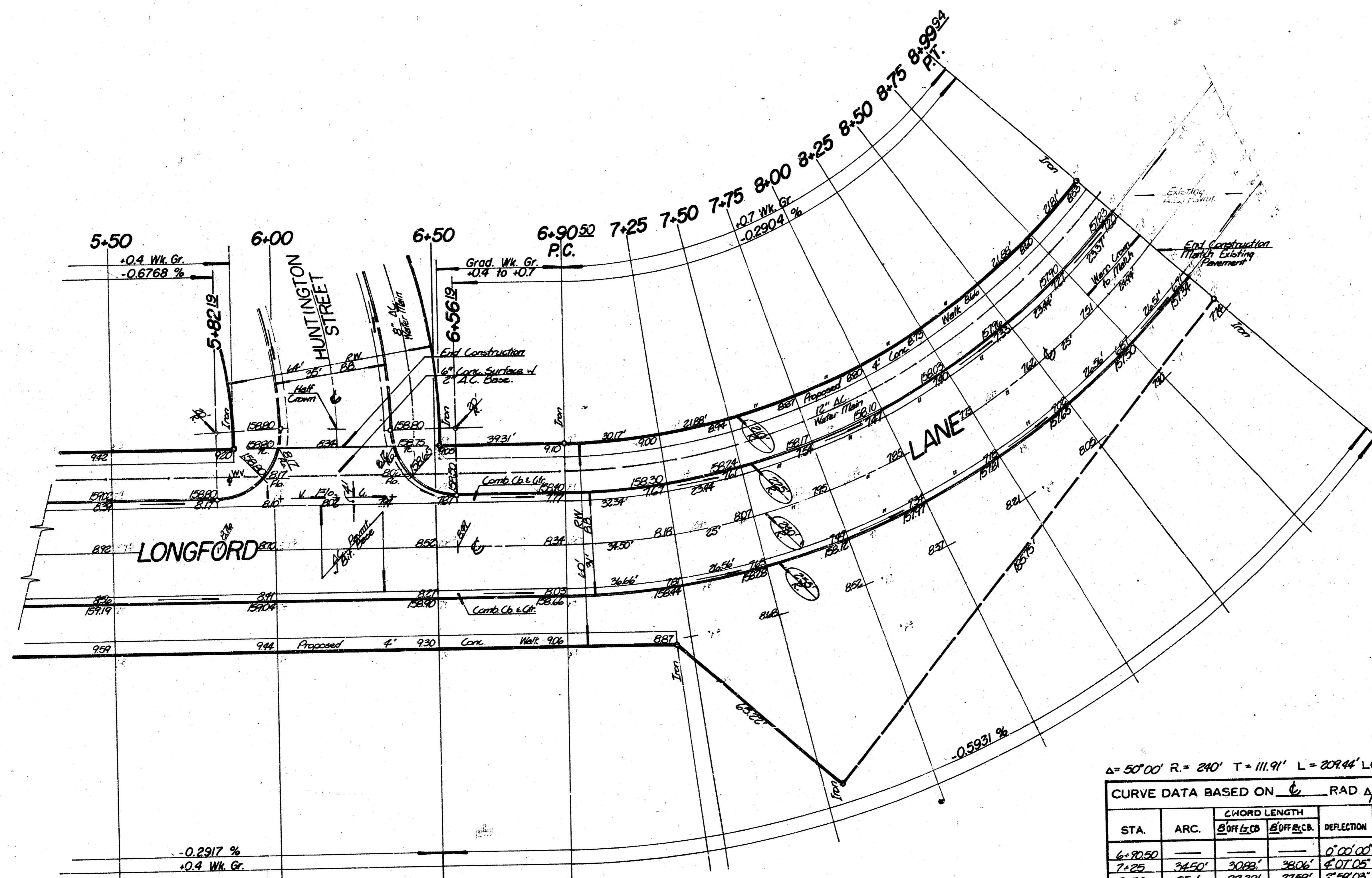
Manipulation = 340.2 cy.

SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

LONGFORD LANE
 N. L. DOUGLAS AVENUE TO N. L. BROOKHOLLOW 4TH ADDITION.
 31" B.B., 2" ASPH. CONC. SURF. W/ 6" BIT. BASE W/ COMB. CB. & GTR.
CITY OF WICHITA, KANSAS
 R.W. LINN CITY ENGINEER
 PROJECT NO. DAKS 575110
 DATE: FEB. 1976

(8/10)

SURVEY DILLER BK DCD 47
 PLAN MROSTEV
 Exc.
 Checked



$\Delta = 50^{\circ}00'$ R = 240' T = 111.91' L = 209.44' L.C. = 202.85'

CURVE DATA BASED ON $\frac{1}{16}$ RAD $\Delta = 25^{\circ}00'$

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		OFF E.C.B.	OFF B.C.B.		
6+90.50				0'00"00"	0'00"00"
7+25	34.50'	30.08'	38.06'	4'07"05"	4'07"05"
7+50	25'	22.38'	27.59'	2'59"03"	7'06"08"
7+75	25'	22.38'	27.59'	2'59"03"	10'05"11"
8+00	25'	22.38'	27.59'	2'59"03"	13'04"14"
8+25	25'	22.38'	27.59'	2'59"03"	16'03"17"
8+50	25'	22.38'	27.59'	2'59"03"	19'02"20"
8+75	25'	22.38'	27.59'	2'59"03"	22'01"23"
8+99.94	29.44'	22.33'	27.52'	2'58"57"	25'00"00"

DEFL./FT. = 7.161972 MIN.

P.I.
 ELEV. 158.90'
 NO V.C.

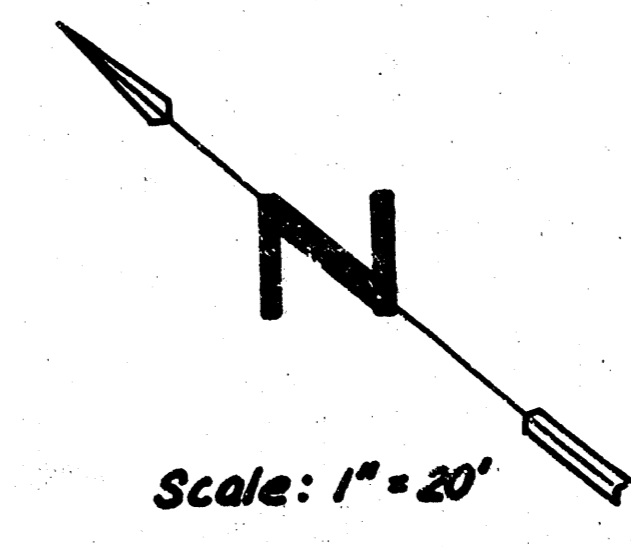
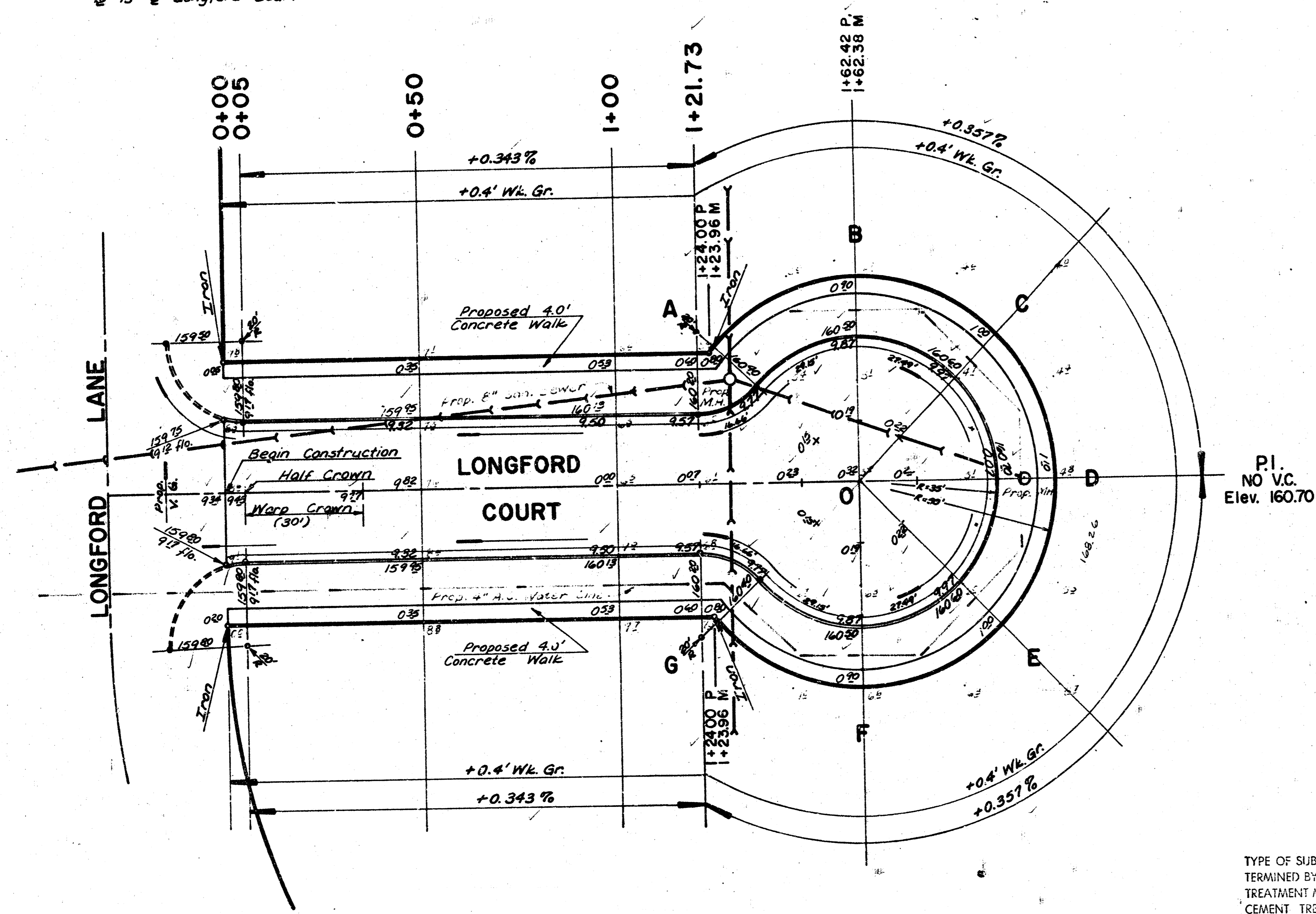
SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
 Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

LONGFORD LANE
 DAKS 575110

9/10

B.M. = 154.28 City of Wichita B.M. Disc @ Top E. End N. Handrail to R.C.B. Just W. of Linden Dr. on Douglas.
 B.M. = 154.44 R.R. Spike in N.E. Side P.R. 148.5' W. of & Longford Ln. on N.S. Douglas.
 B.M. = 153.01 City of Wichita B.M. Disc @ Top E. End N. Handrail to R.C.B. Just W. of Tara Ln. on Douglas.
 @ is @ Longford Court



P.I.
 NO V.C.
 Elev. 160.70

SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
 Grade posting and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

Note: Contractor to Contact Bell Tel. Co. for Locations of Underground Utilities.

EARTHWORK	
Excavation	3.0 Cu. Yd.
+ 10%	0.3 Cu. Yd.
	<u>3.3 Cu. Yd.</u>
Comp. Fill	1512.2 Cu. Yd.
+ 10%	151.2 Cu. Yd.
	<u>1663.4 Cu. Yd.</u>
Manipulation = 992 S.Y.	

LONGFORD COURT
 E.L. LONGFORD LN. to & incl.
 CUL-DE-SAC
 35' B-B A.C. Pav't W/ Comb. Cb. & Grt.
CITY OF WICHITA, KANSAS
 R.W. Linn — City Engineer
 Proj. No. DAKS575110
 Date FEB, 1976 (10/10)

Dilled
 Henry
 Henry
 Check