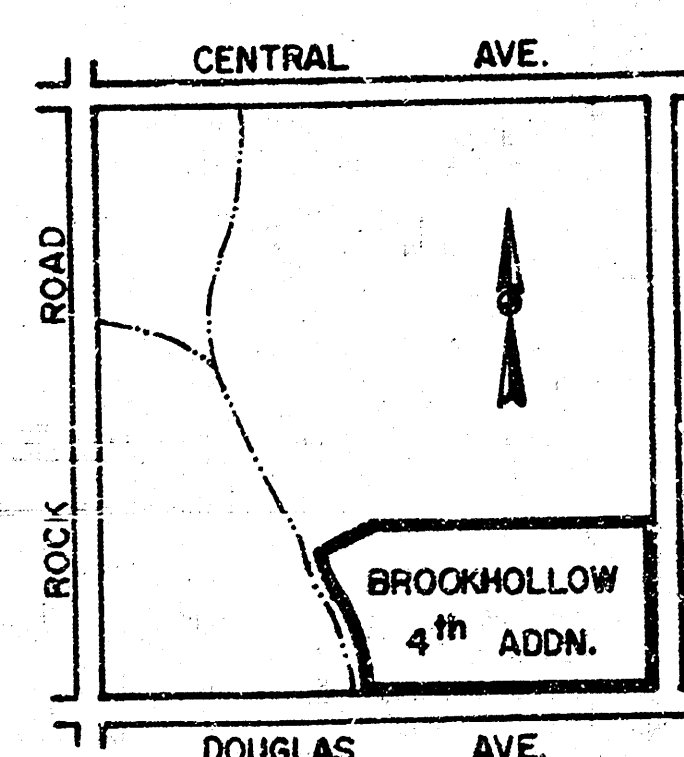
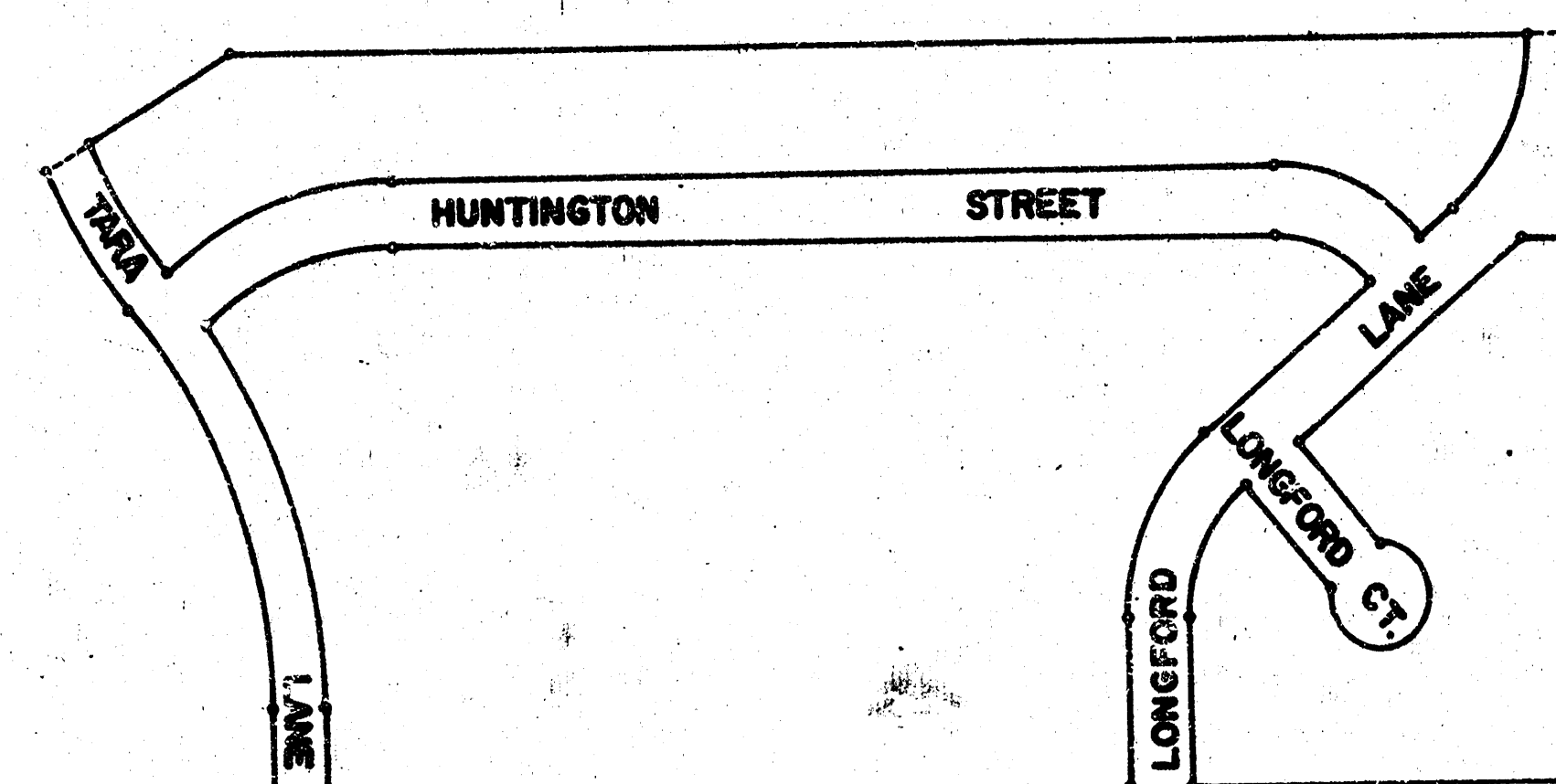


BROOKHOLLOW 4th ADDITION

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

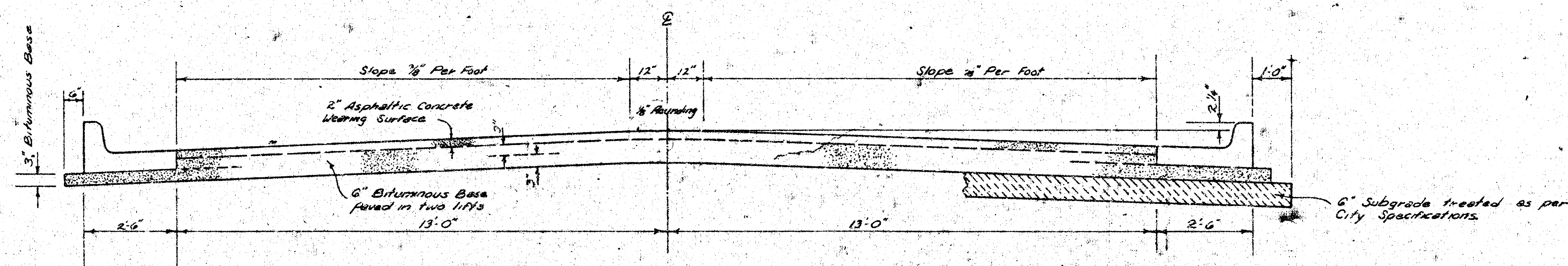
CITY of WICHITA, KANSAS

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

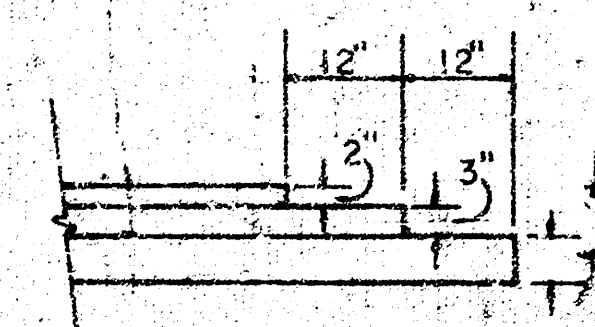


TYPICAL SECTION

3' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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.

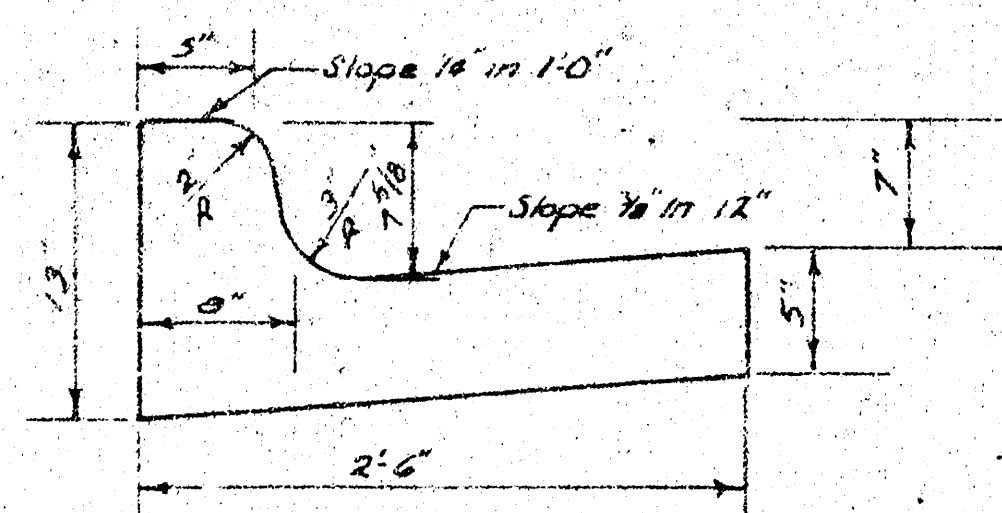
DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



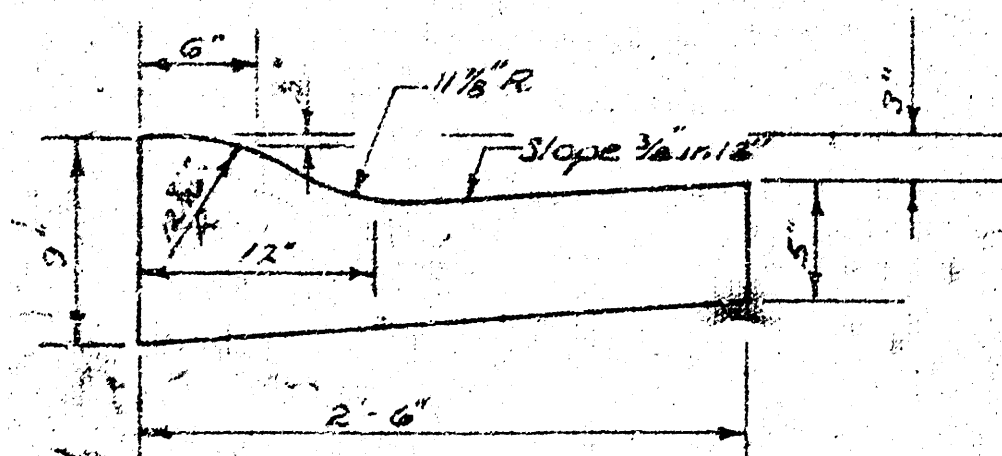
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE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

The A.C. pavement between the Comb. Curb & gutter shall be paid as Se. 1/4. B. A.C. Pavement (6' Bituminous Base). The Bituminous Base under the Comb. Curb & gutter shall be paid as Se. 1/4. 3' Bituminous Base.

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

R. W. LINN

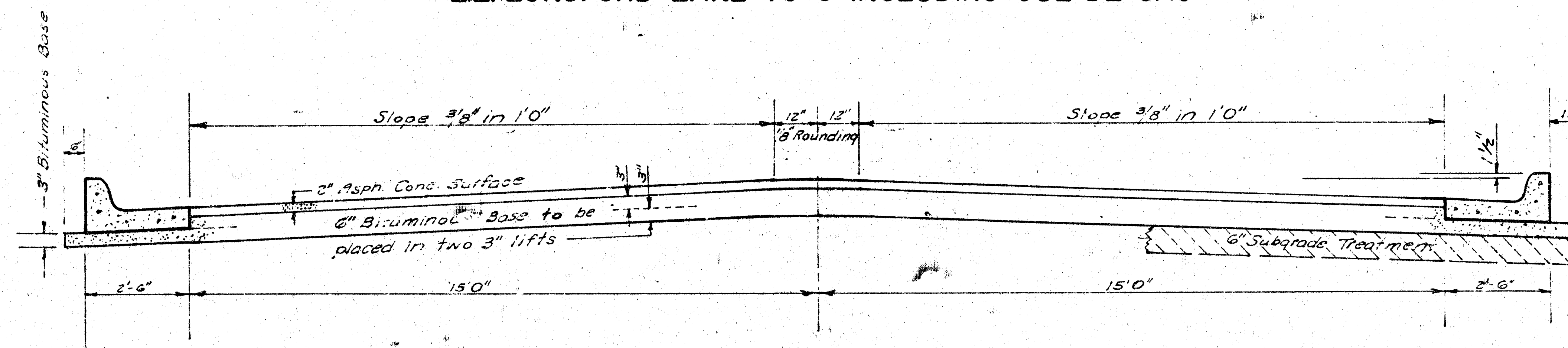
CITY ENGINEER

DATE: FEB, 1976

PROJ. NO. DAKS 575110

(2/10)

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

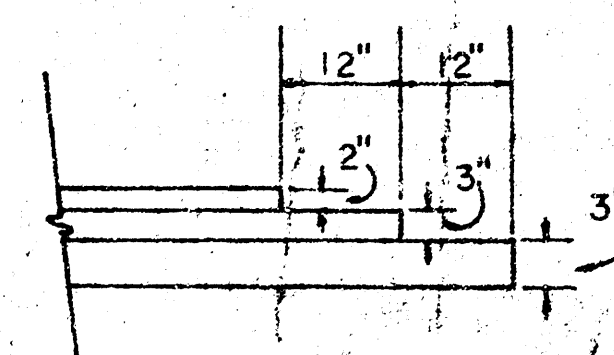


35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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 Bituminous Base under the curb & gutter shall be paid as Sq.Yds. 3" Bituminous Base.

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

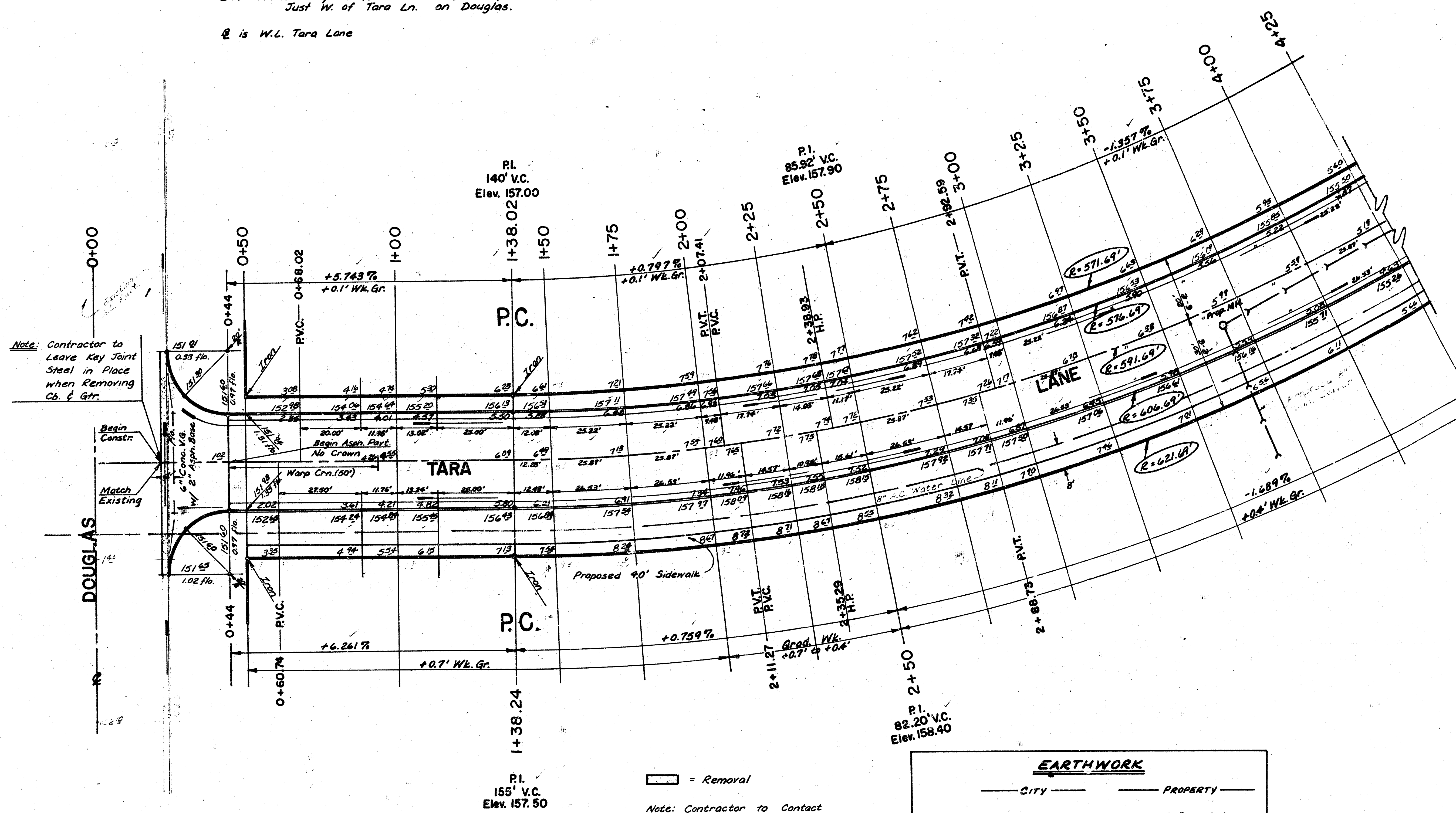
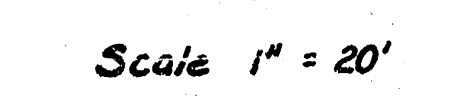
DATE FEB. 1970

Proj No. **DAKS 575110**

Proj No. **DAKS 575110**

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 E 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

Q is W.L. Tara Lane



REMOVAL = 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".

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.

<u>EARTHWORK</u>		
	<u>CITY</u>	<u>PROPERTY</u>
EXCAVATION	479.1 C.Y.	729.5 C.Y.
+10%	<u>47.9 C.Y.</u>	<u>73.0 C.Y.</u>
	527.0 C.Y.	802.5 C.Y.
COMP. FILL	6.8 C.Y.	29.5 C.Y.
+10%	<u>0.7 C.Y.</u>	<u>3.0 C.Y.</u>
	7.5 C.Y.	32.5 C.Y.
MANIPULATION = 2690 S.Y.		

Δ 40°30'14" 571.69'1" 201.91'1" L = 404.10'1" LC = 395.74'

CURVE DATA BASED ON W.C. RAD. 0.6° 20' 15"

STA	ARC	STRETCH LENGTH		STRETCH	DATA
		S_1 W.C.	S_2 W.C.	BEFORE	AFTER
1+58.02					0° 00' 00"
1+59	11.48"	11.48"	12.88"	0° 34' 01"	0° 36' 01"
1+78	25.00"	25.87"	26.88"	1° 15' 10"	1° 31' 11"
2+00	"	"	"	"	3° 06' 21"
2+28	"	"	"	"	4° 21' 31"
2+50	"	"	"	"	5° 36' 51"
2+75	"	"	"	"	6° 51' 51"
3+00	"	"	"	"	8° 07' 01"
3+28	"	"	"	"	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"	26.87"	36.88"	1° 05' 10"	1° 23' 31"
5+58.12	17.82"	17.03"	18.81"	3° 01' 29"	20° 15' 00"

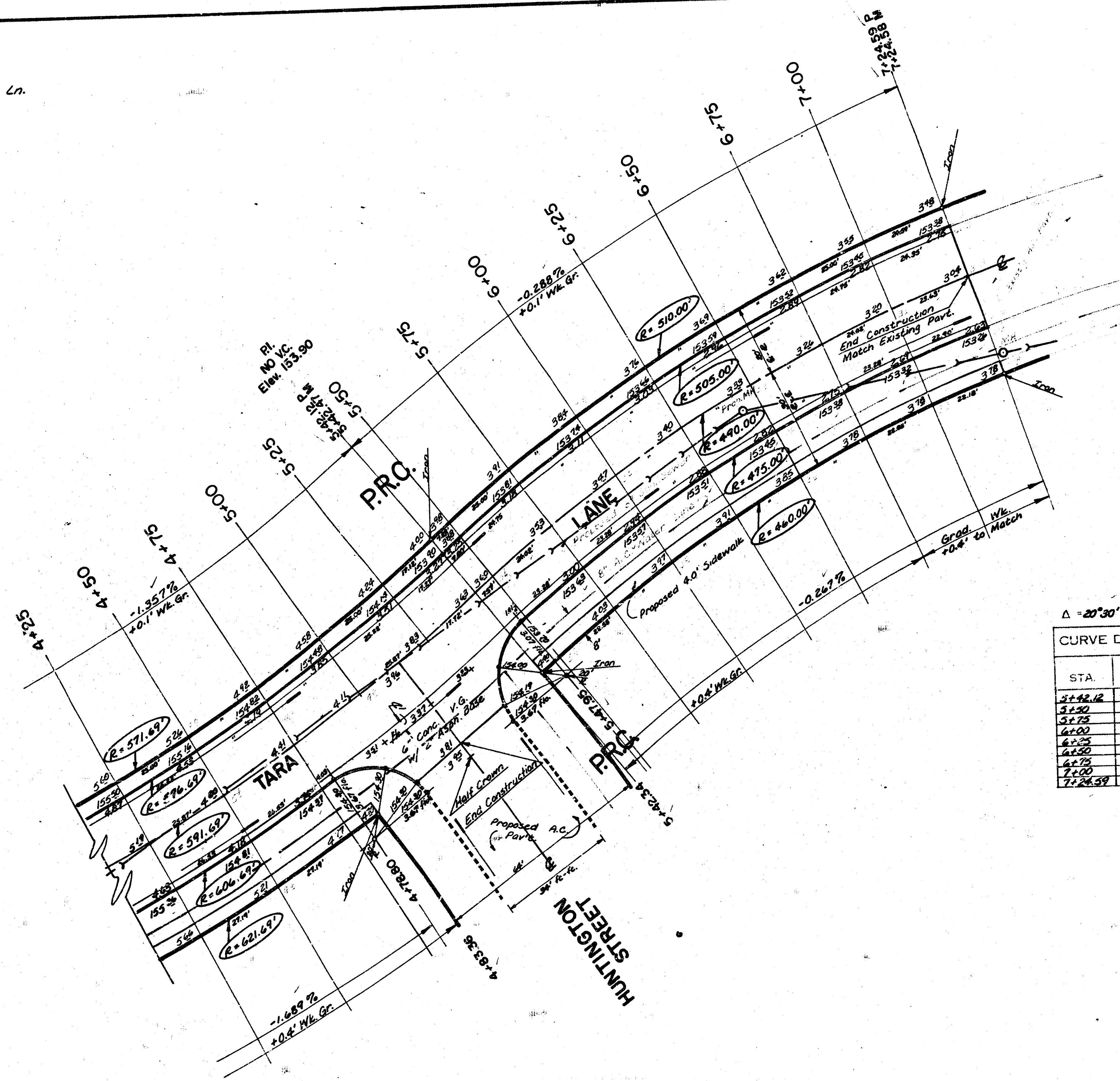
Defl. / P.C. = 3.0064529 Min.

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 575110
Date FEB. 1976 (4/10)

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 $\frac{1}{2}$ RAD. $\frac{1}{2}$ 10° 15'

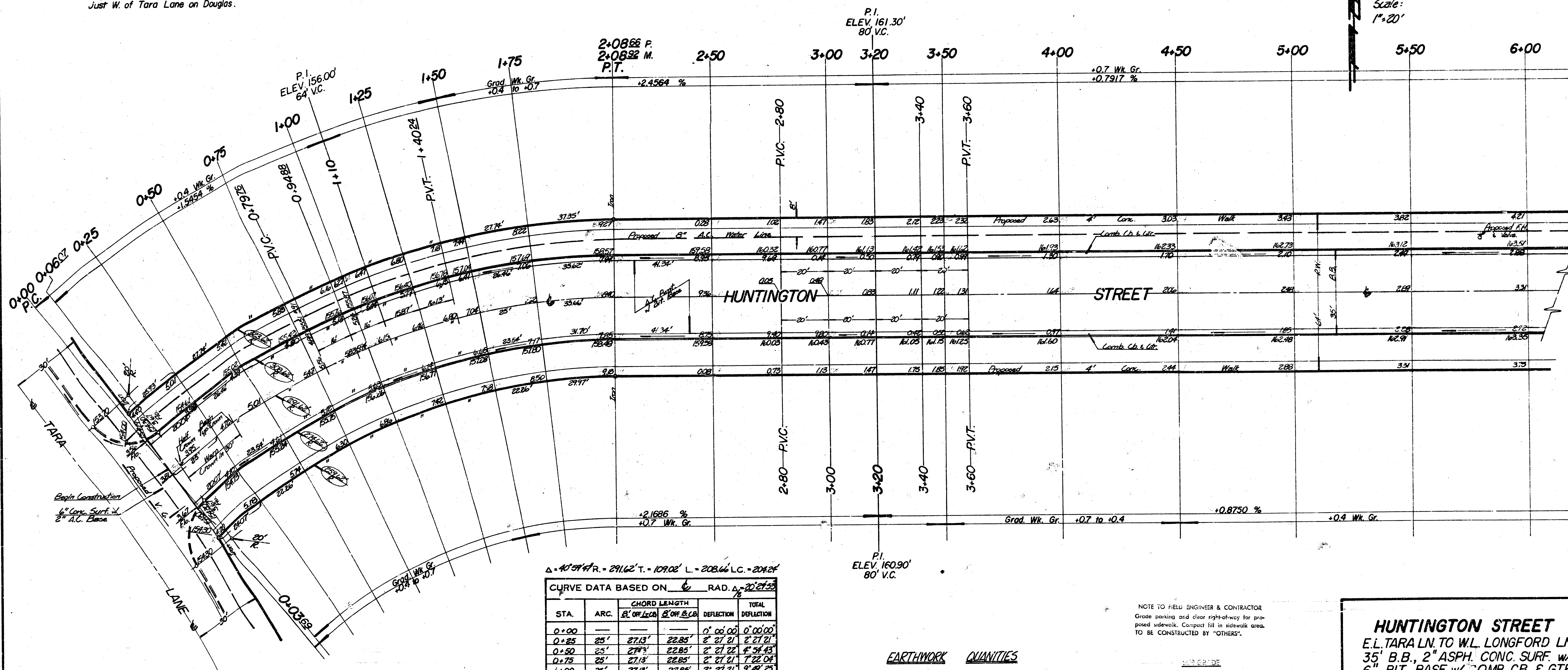
STA.	ARC.	CHORD LENGTH	CHORD BEARING	STATION
4+25.00	7.88'	7.92'	0° 26' 34"	0° 00' 00"
5+25.00	25.00'	25.14'	1° 24' 14"	0° 26' 34"
6+25.00	25.00'	25.14'	1° 24' 14"	0° 52' 48"
7+25.00	25.00'	25.14'	1° 24' 14"	1° 18' 52"
8+25.00	25.00'	25.14'	1° 24' 14"	1° 45' 06"
9+25.00	25.00'	25.14'	1° 24' 14"	2° 11' 20"
10+25.00	25.00'	25.14'	1° 24' 14"	2° 37' 34"
11+25.00	25.00'	25.14'	1° 24' 14"	3° 03' 48"
12+25.00	25.00'	25.14'	1° 24' 14"	3° 29' 52"
13+25.00	25.00'	25.14'	1° 24' 14"	3° 56' 06"
14+25.00	25.00'	25.14'	1° 24' 14"	4° 22' 20"
15+25.00	25.00'	25.14'	1° 24' 14"	4° 48' 34"
16+25.00	25.00'	25.14'	1° 24' 14"	5° 14' 48"
17+25.00	25.00'	25.14'	1° 24' 14"	5° 41' 02"
18+25.00	25.00'	25.14'	1° 24' 14"	6° 07' 16"
19+25.00	25.00'	25.14'	1° 24' 14"	6° 33' 30"
20+25.00	25.00'	25.14'	1° 24' 14"	7° 00' 00"

Defl / ft = 3.37034 Min.

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 E. 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 DULLEA Bk. D.D. 4/74
Plan M.D. 7/74
Exc. Checked



$\Delta = 40.94^\circ$ R. - 291.62' T. - 109.02' L. - 208.66' L.C. - 204.24'

CURVE DATA BASED ON $\Delta = 40.94^\circ$ RAD. $\Delta = 20.21^\circ$

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
		$\frac{R}{2}$ OFF $\frac{L}{2}$ C.B.	$\frac{R}{2}$ OFF $\frac{L}{2}$ C.B.	
0+00	—	—	—	0° 00' 00"
0+25	25'	27.13'	22.85'	2° 27' 21"
0+50	25'	27.13'	22.85'	4° 54' 43"
0+75	25'	27.13'	22.85'	7° 22' 04"
1+00	25'	27.13'	22.85'	9° 49' 25"
1+25	25'	27.13'	22.85'	12° 16' 47"
1+50	25'	27.13'	22.85'	14° 44' 08"
1+75	25'	27.13'	22.85'	17° 11' 29"
2+00	25'	27.13'	22.85'	19° 38' 51"
2+08.66	8.66'	9.40'	7.92'	20° 21' 53"

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

DEFL./FT. = 5.894223 MIN.

EARTHWORK QUANTITIES

Property
Excavation = 3276.5 C.Y.
+ 10% = 3276 C.Y.
Total = 3604.1 C.Y.
Comp. Fill = 372 C.Y.
+ 10% = 37 C.Y.
Total = 409 C.Y.
Manipulation = 5008.4 C.Y.

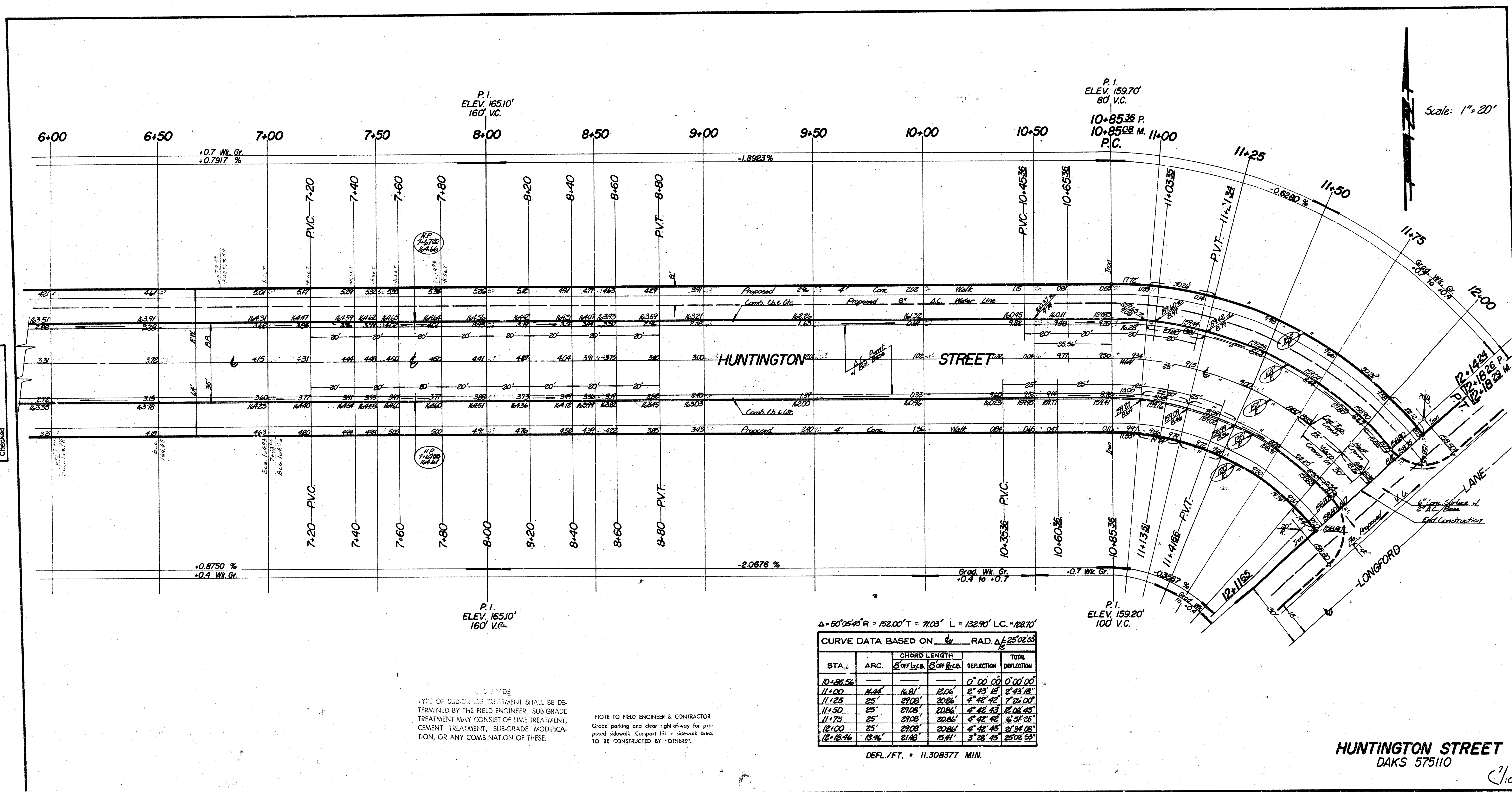
NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area to be constructed by "OTHERS".

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

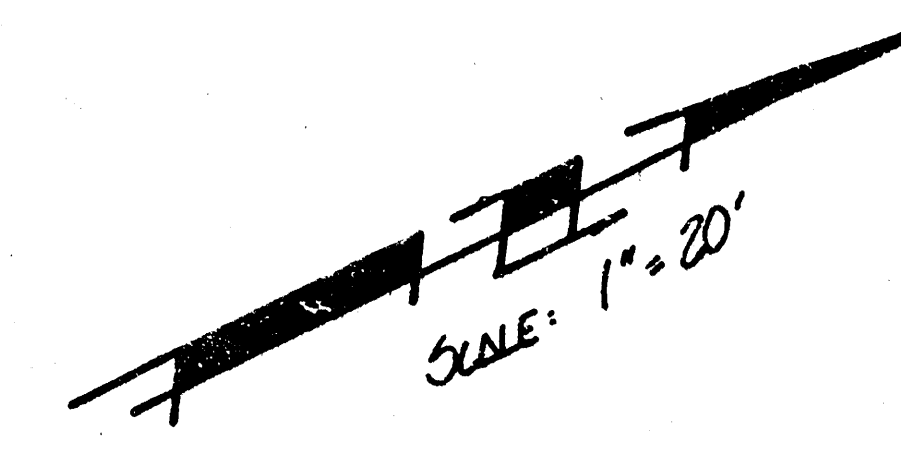
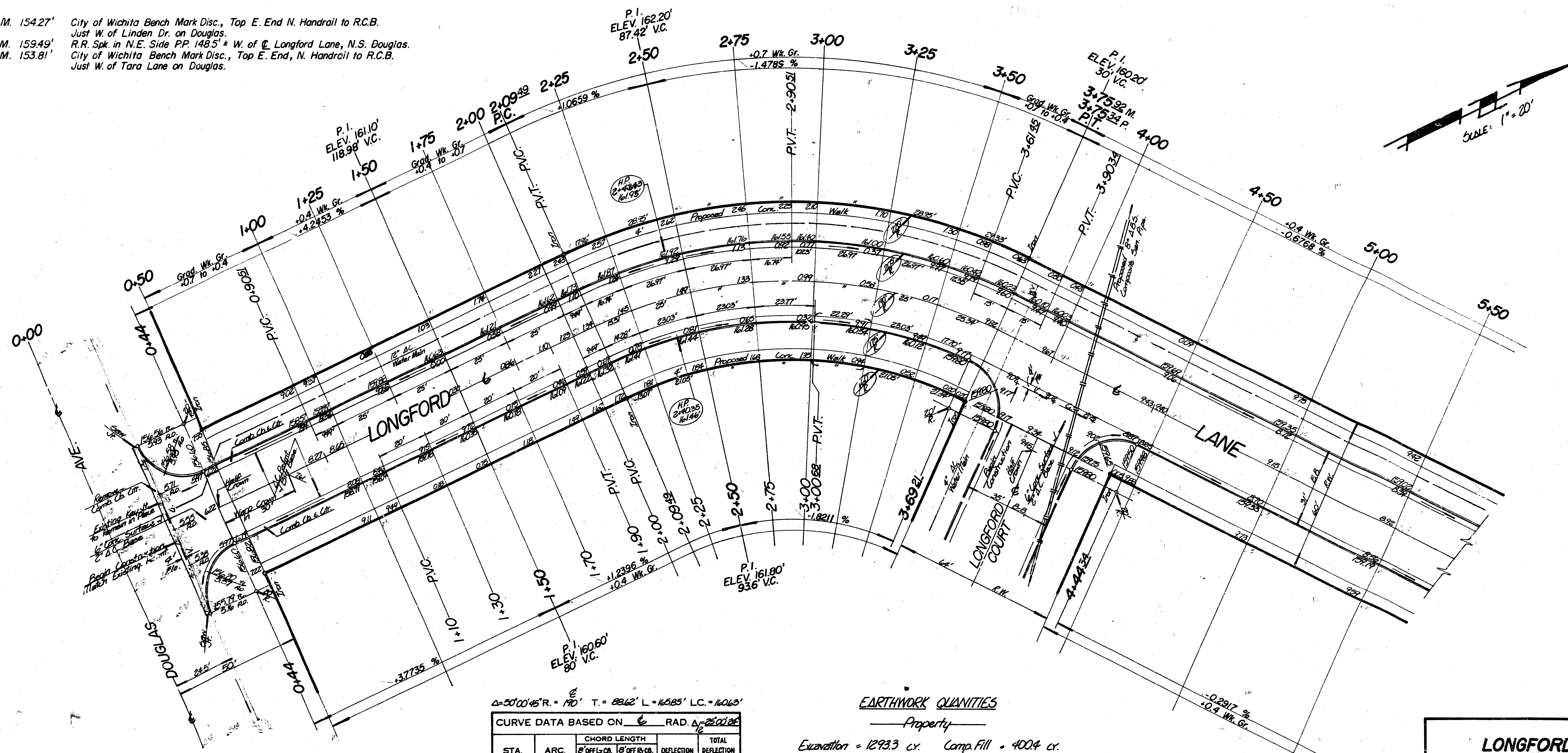
HUNTINGTON STREET
E.L. TARA LN. TO W.L. LONGFORD LN.
35' B.B., 2" ASPH. CONC. SURF. W/
6" BIT. BASE W/ COMB. CB. & GTR.
CITY OF WICHITA
R.W. LINN CITY ENGINEER
PROJECT NO. DAKS 575110
DATE: FEB. 1976

Baseline is Huntington Street.

Survey DULLEN Bk. DDAF
Plan MOOREY
Exc.
Checked



B.M. 154.27' City of Wichita Bench Mark Disc., Top E. End N. Handrail to R.C.B.
Just W. of Linden Dr. on Douglas.
B.M. 159.49' R.R. Spk. in N.E. Side PP. 148.5' ± W. of E. Longford Lane, N.S. Douglas.
B.M. 153.81' 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
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area.
TO BE CONSTRUCTED BY "OTHERS".

Baseline is E Longford Lane.

$\Delta = 50'00'' \pm 15''$ R. = 170' T. = 224.62' L. = 165.85' L.C. = 140.63'

CURVE DATA BASED ON $\Delta = 50'00''$ RAD. $\Delta = 25'02'20''$				
STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
		OFF L.C.	OFF R.C.B.	
2+08.49				0.00'00"
2+25	15.51'	175.4'	13.46'	2'20'19"
2+50	25'	28.27'	21.69'	3'46'10"
2+75	25'	28.27'	21.69'	3'46'10"
3+00	25'	28.27'	21.69'	3'46'10"
3+25	25'	28.27'	21.69'	3'46'10"
3+50	25'	28.27'	21.69'	3'46'10"
3+75.34	25.34'	28.65'	21.93'	3'47'15"

DEF. / 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.

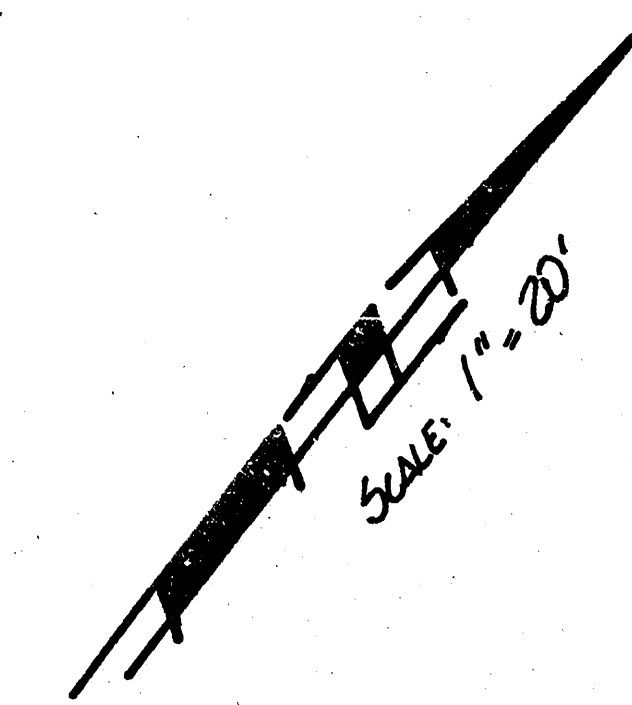
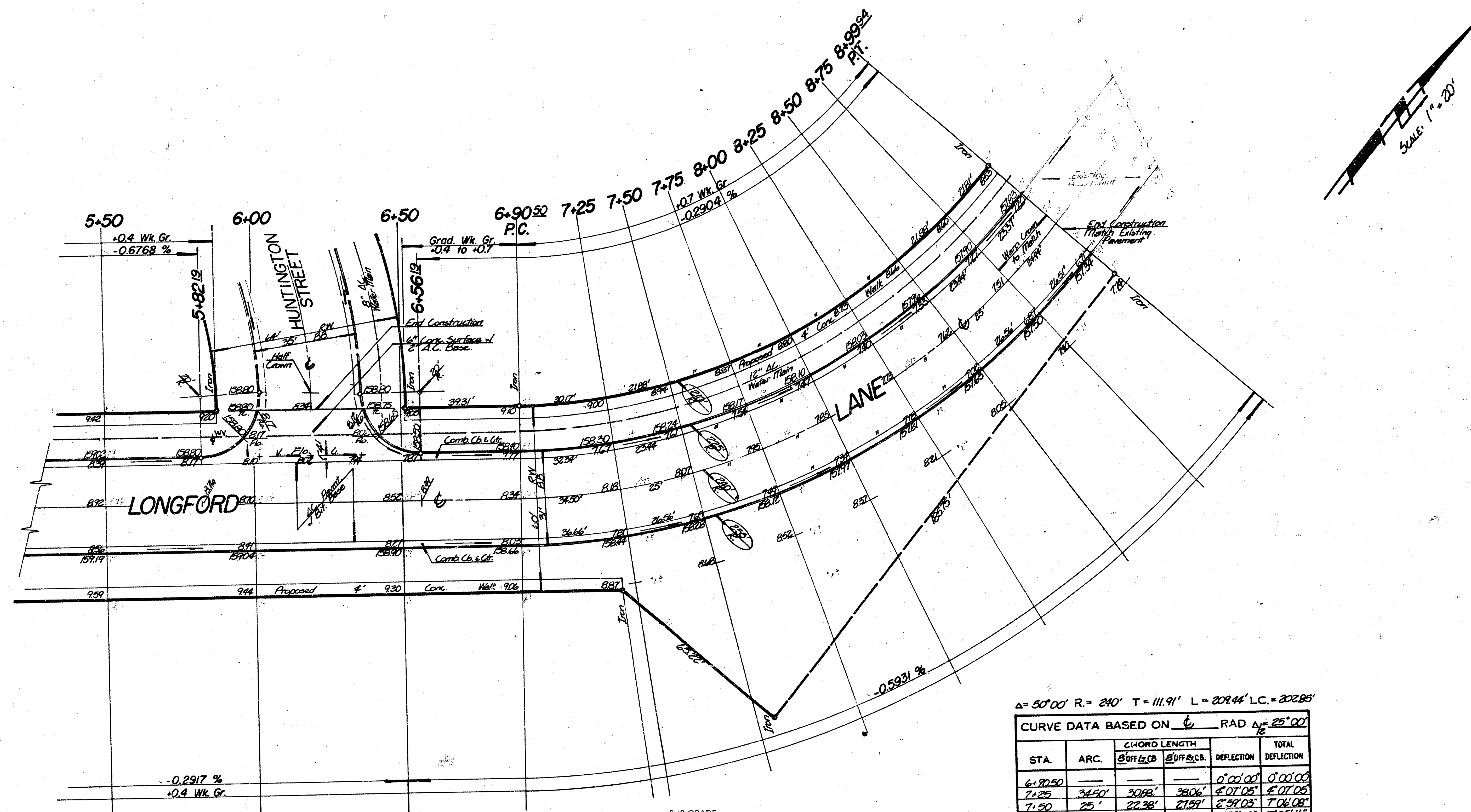
Manipulation = 340.2 cy.

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 DULLES BK DCD-49
 Plan MODTEN
 Exc.
 Checked



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 IMPROVEMENT, 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".

$\Delta = 50^{\circ}00'$ $R = 240'$ $T = 111.91'$ $L = 209.44'$ $LC = 202.85'$
 CURVE DATA BASED ON $\Delta = 25^{\circ}00'$

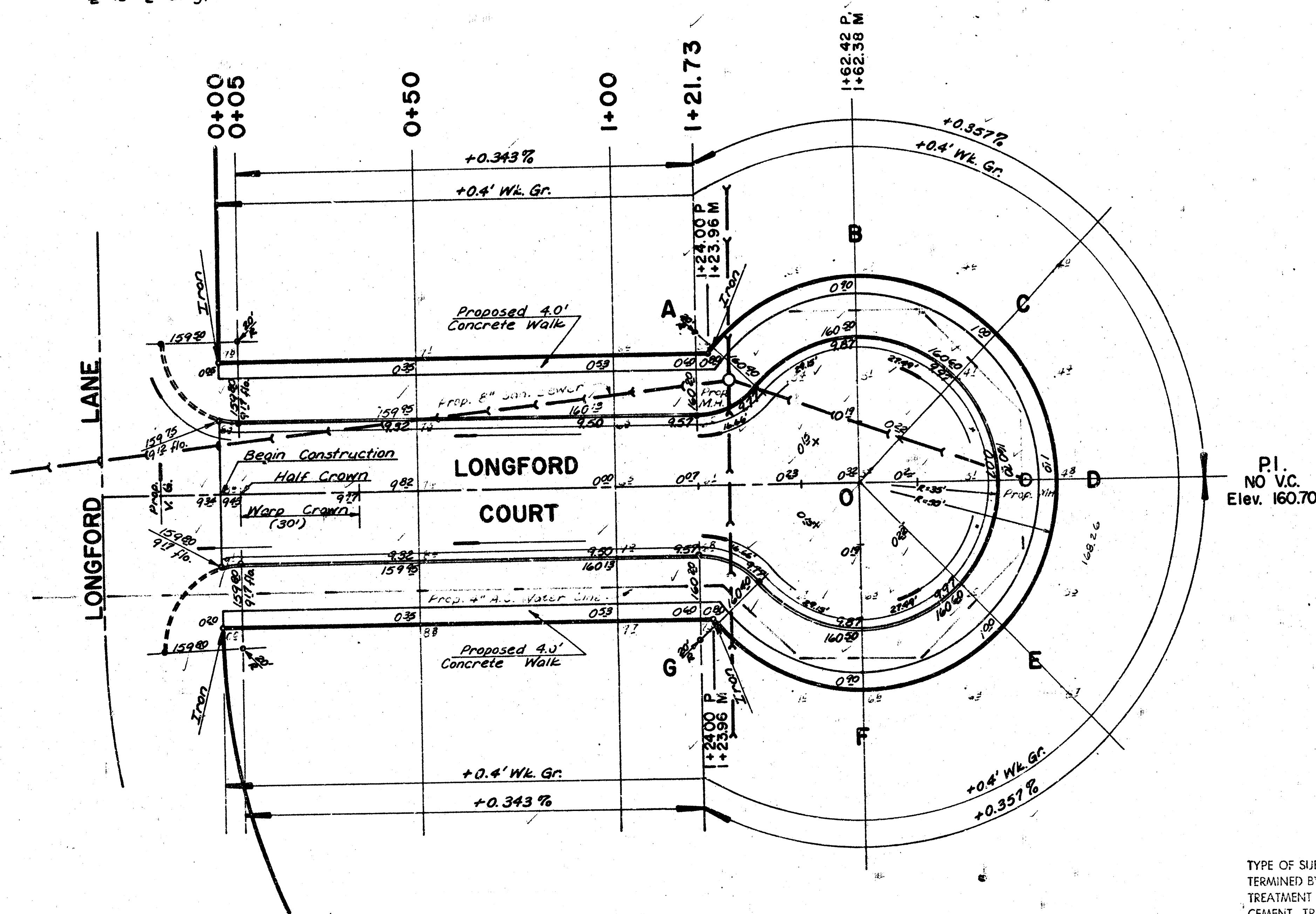
STA	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		Off to CB	Off to P.C.		
6.7050				0'00.00"	0'00.00"
7.25	34.50'	30.00'	38.06'	4'07.05"	4'07.05"
7.50	25'	22.38'	27.59'	2'59.03"	7'06.08"
7.75	25'	22.38'	27.59'	2'59.03"	10'05.11"
8.00	25'	22.38'	27.59'	2'59.03"	13'04.14"
8.25	25'	22.38'	27.59'	2'59.03"	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	24.44'	22.33'	27.52'	2'58.57"	25'00.00"

DEFL./FT. = 7.161972 MIN.

LONGFORD LANE
 DAKS 575110
 (9/10)

301
 Dulles
 Henry
 12. Henry
 Checked

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 E. 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.
	3.3 Cu. Yd.
Comp. Fill	1512.2 Cu. Yd.
+ 10%	151.2 Cu. Yd.
	1663.4 Cu. Yd.
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. & Gr.
CITY OF WICHITA, KANSAS
 R.W. Linn — City Engineer
 Proj. No. DAKS575110
 Date FEB, 1976 (10/10)