

WESTWOOD HEIGHTS 2nd ADDn

SUNCREST AVE.

W.L. LOT 10, BLOCK 5, WESTWOOD HT.S 2nd ADDn
TO E.L. BRUNSWICK LANE

BRUNSWICK LANE

N.L. SUNCREST AVE. TO S.L. WESTPORT AVE.

SMARSH LANE

N.L. SUNCREST AVE. TO S.L. WESTPORT AVE.

TONY LANE

N.L. SUNCREST AVE. TO S.L. WESTPORT AVE.

CRAMER ST.

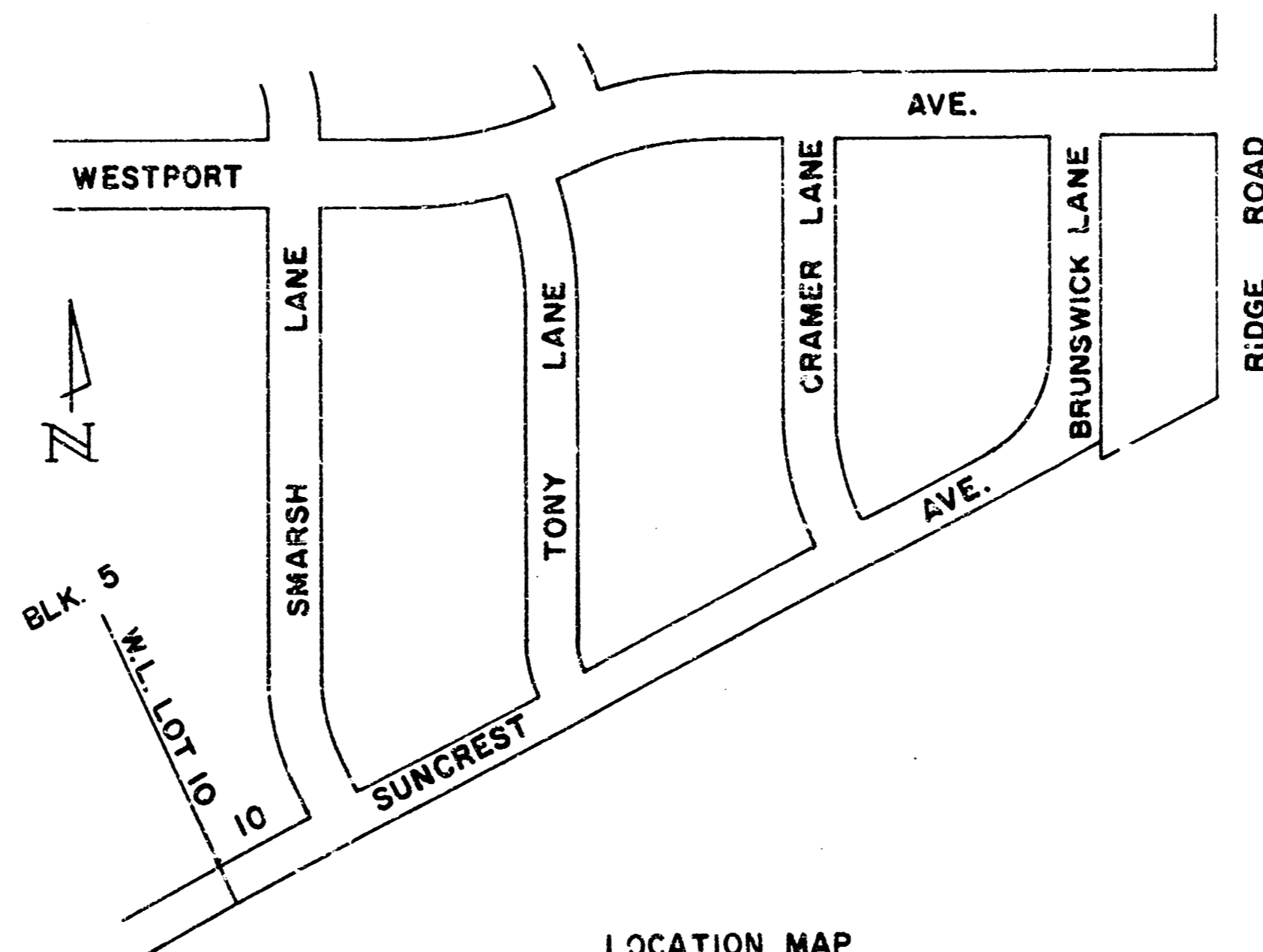
N.L. SUNCREST AVE. TO S.L. WESTPORT AVE.

CITY OF WICHITA, KANSAS

D.S. SELLERS ^{Acting} CITY ENGINEER

DATE _____

PROJ. NO. 472 76 245 80798 000 000 001

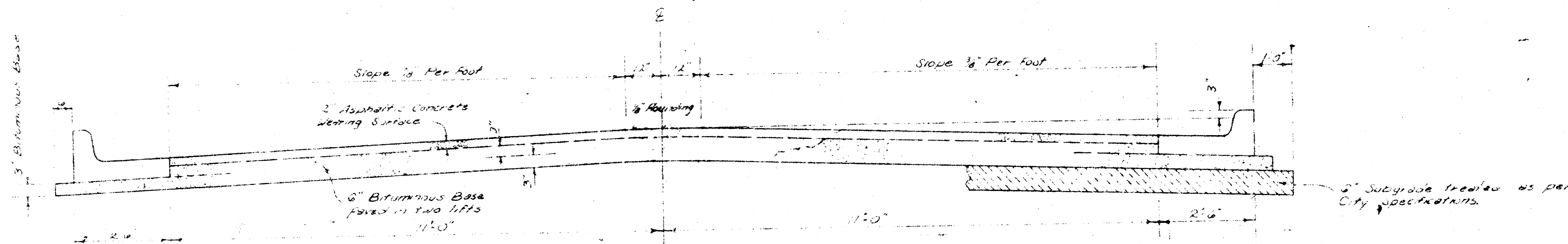


LOCATION MAP
SCALE: 1" = 200'



V₁₀

SUNCREST AVE.



TYPICAL SECTION

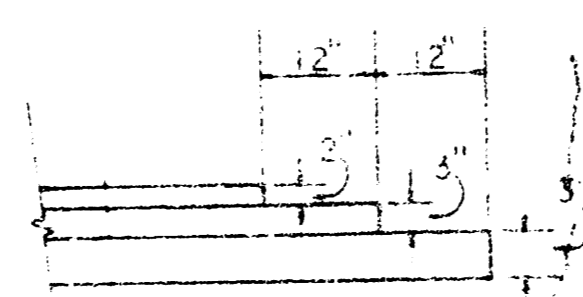
27' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE.

The AC pavement between the Comb Curb & gutter shall be paid as 3c per sq. yd. AC Pavement (6 Bituminous Base). The Bituminous Base under the Comb Curb & gutter shall be paid as 3c per sq. yd. 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.

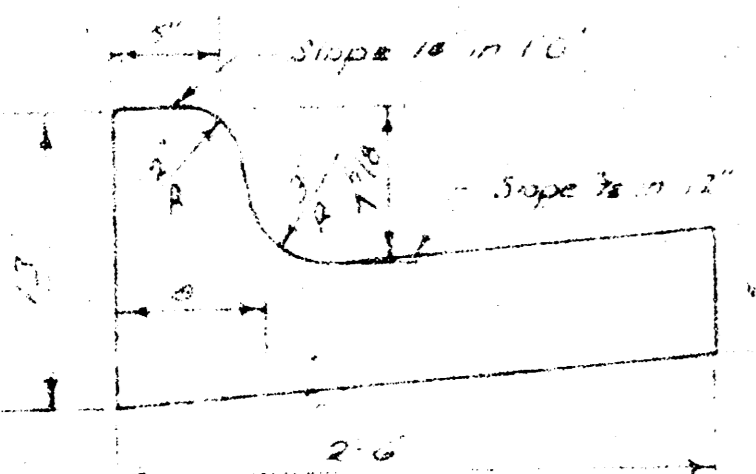
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ~~CONTROL~~ CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED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

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS

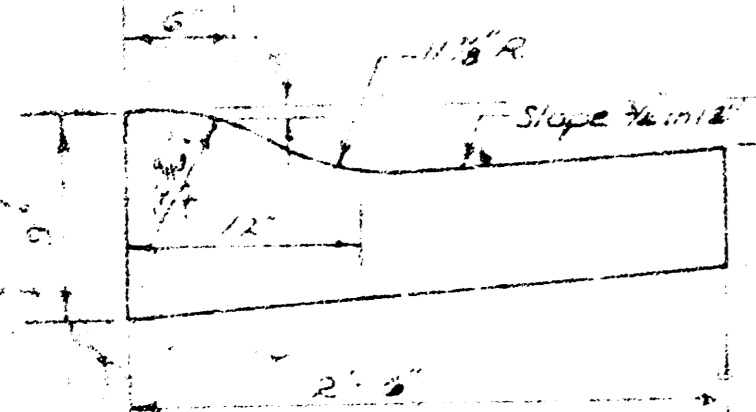


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE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

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

D.S. SELLERS

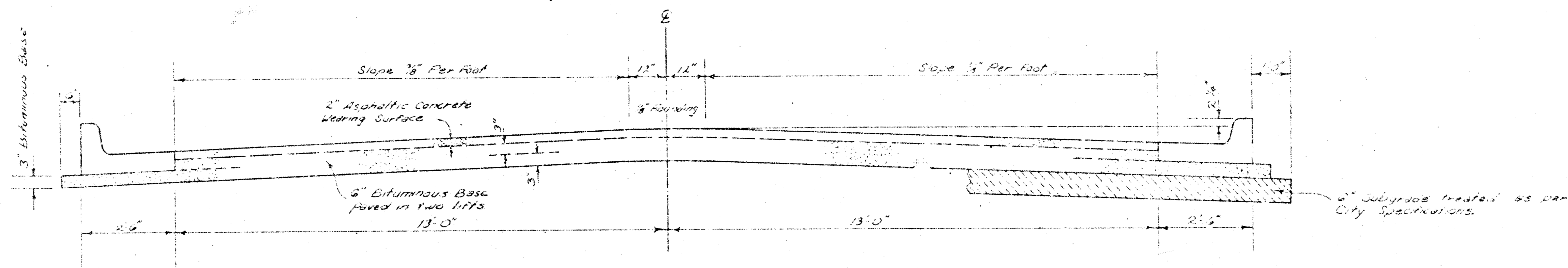
for
CITY ENGINEER

DATE _____

PROJ. NO. 472 76 245 80798 000 000 001

2/10

BRUNSWICK LANE
 SMARSH LANE
 TONY LANE
 CRAMER ST.



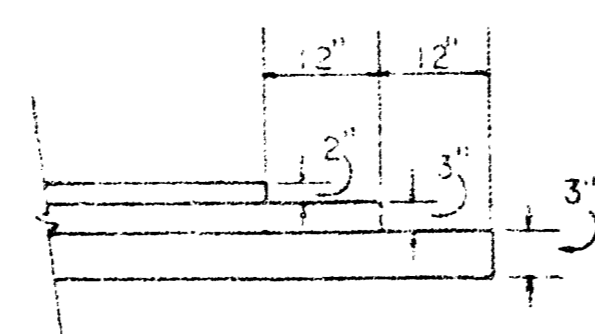
TYPICAL SECTION

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 LAY-DOWN MACHINE HAVING AUTOMATIC ~~CONTROLS~~ 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.

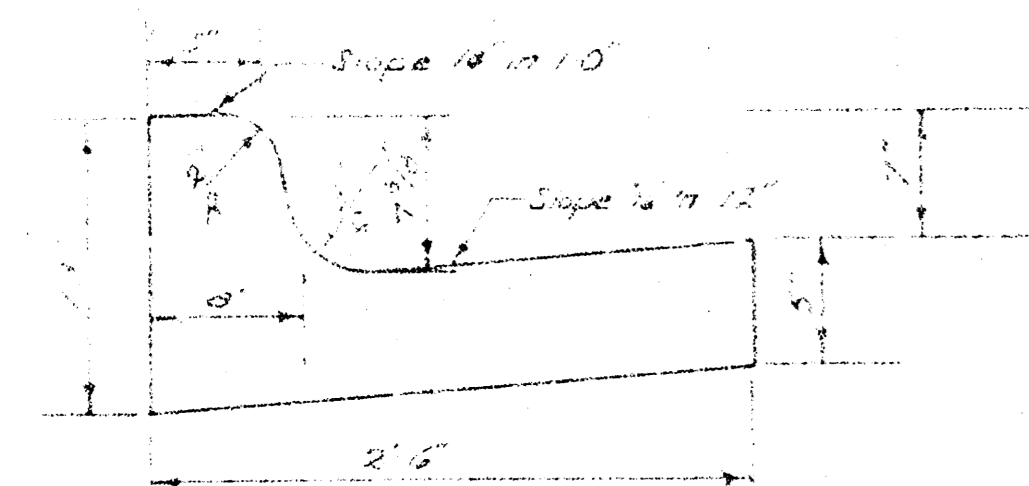
DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



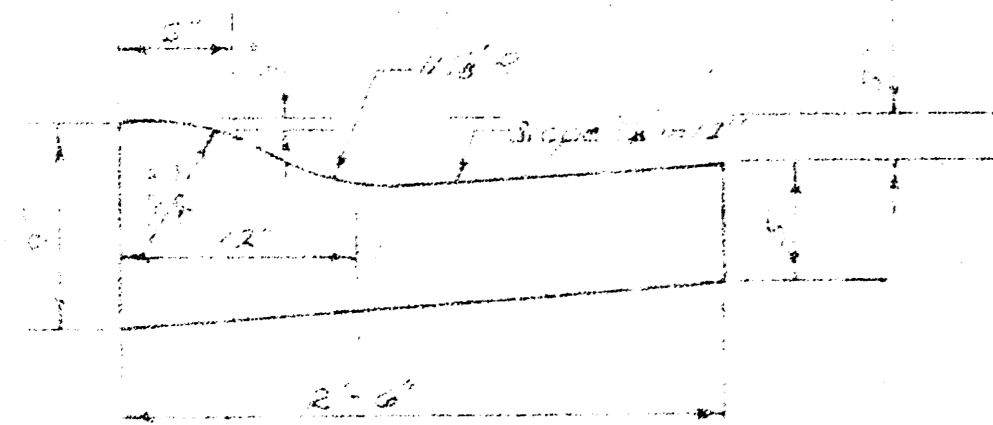
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The A.C. pavement between the curb and gutter shall be paid as 3a.15c. B" A.C. Pavement to Bituminous Base. The Bituminous Base under the curb & gutter shall be paid as 3a.10c. 3" Bituminous Base.

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



3/21

CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

D.S. SELLERS *Action* CITY ENGINEER

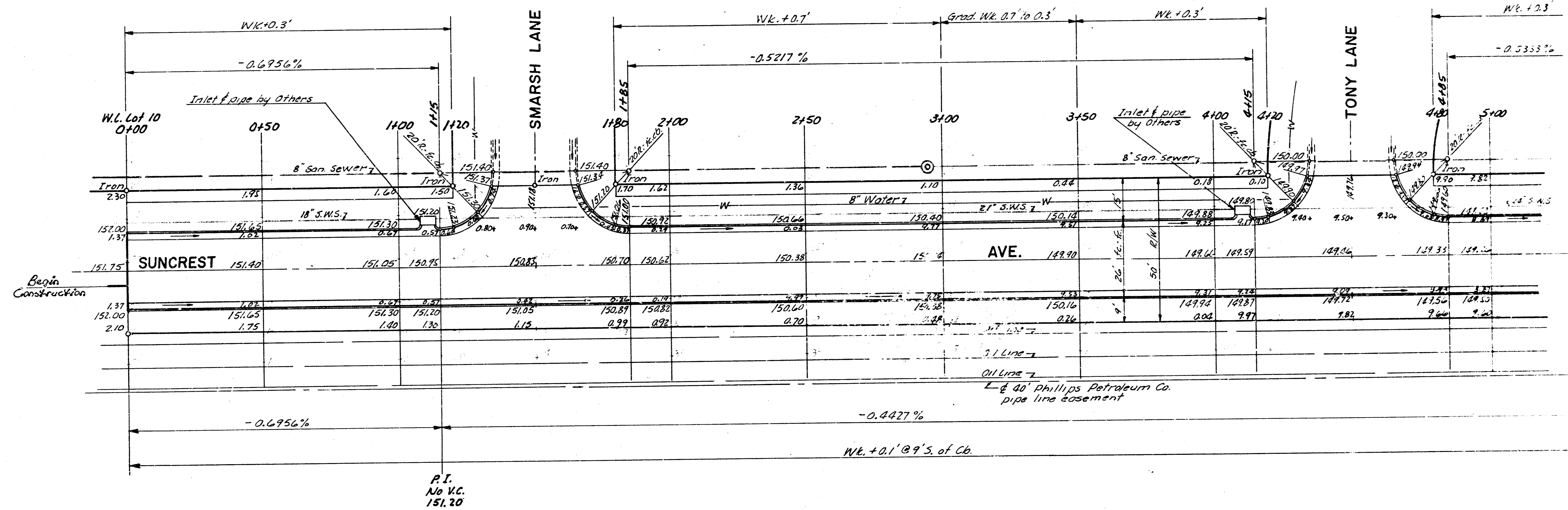
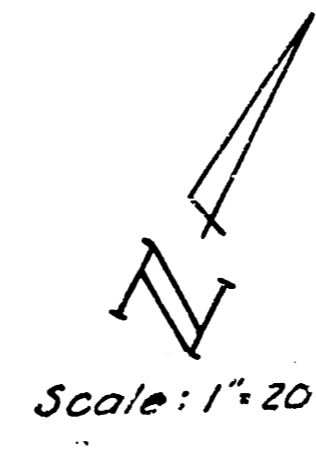
DATE

PROJ. NO. 472 76 245 80798 000 000 001

3/16

Survey J.A.C.
 Plans 2222
 Chittenden

B.M. 142.81 City Sid. 42' N. E. 38.5' E. of 1/4 sec. Iron on Ridge just N. of Suncrest & Ridge
 B.M. 147.55 " Cut on top of S. curb of Suncrest ≈ 15' W. of fire hydrant in front of house # 7401 on Sunset
 B.M. 158.47 Top of metal sign post ≈ 200' S. of S.L. of 19th St ≈ 15' W. of E.L. of Woodchuck.
 B.M. 152.74 R.R. Spk. on W. face of RR that is 1st RR S. of S.L. Bittersweet Lane on E.L. Westwood Hts. 2nd



NOTE: No more than 48'-20' Drives can be constructed on the total project.

Total Earthwork Quantities From All Streets on This Project

EXCAV.		FILL		CF	
Prop.	City	Prop.	City	Prop.	City
3496.1 C.Y.	182.5 C.Y.	1761.0 C.Y.	5.9 C.Y.	57.1 C.Y.	0
+10% 3845.7 C.Y.	+10% 200.8 C.Y.			+10% 57.7	
				62.8 C.Y.	

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.

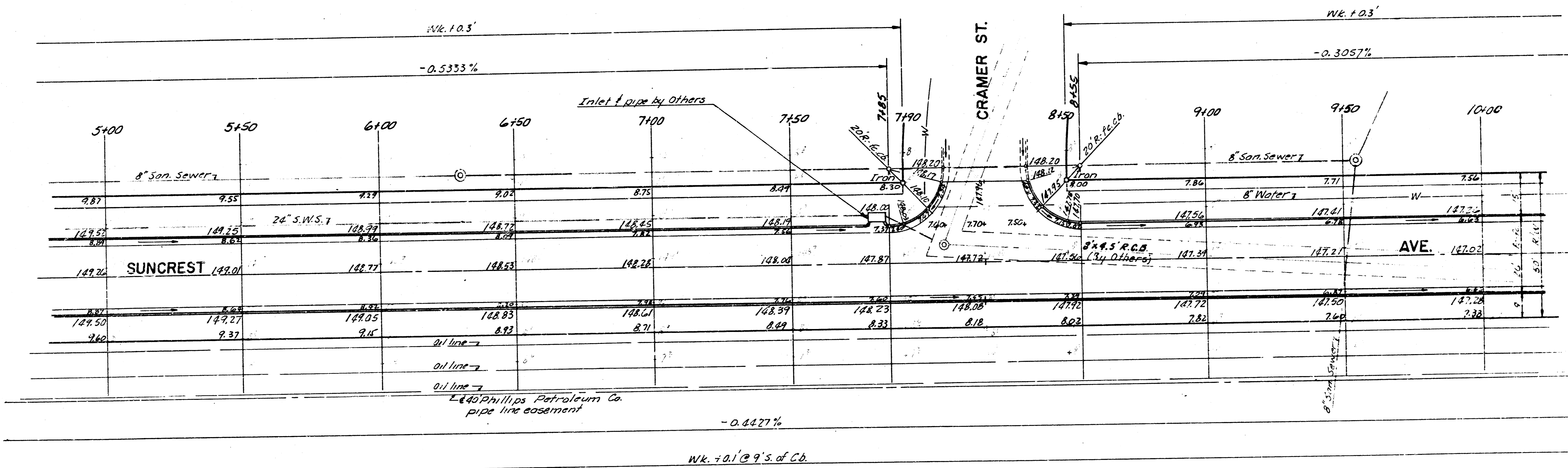
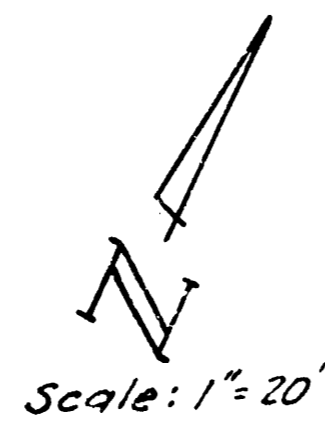
TOTAL MANIPULATION = 11,161 S.Y.

4/21

SUNCREST AVE. FROM W.L.
 LOT 10, BLOCK 5, WESTWOOD
 HTS 2nd ADDN TO E.L.
 BRUNSWICK LANE

&
 BRUNSWICK LANE FROM
 N.L. SUNCREST AVE. TO
 S.L. WESTPORT AVE.

PROJ. NO.
 472 76 245 80798 000 000 001

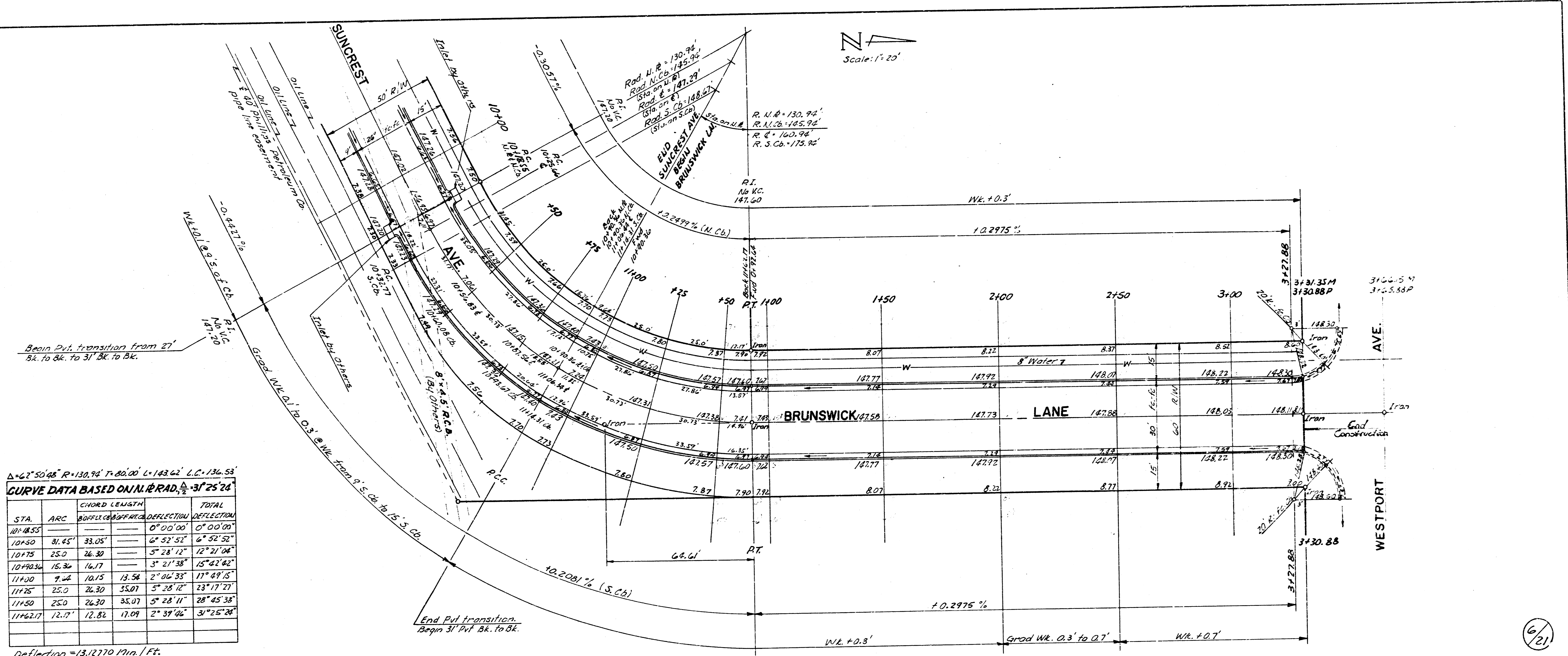


5/21

SUNCREST AVE. FROM W.L.
 LOT 10, BLOCK 5, WESTWOOD
 HTS 2nd ADDn TO E.L.
 BRUNSWICK LANE
 &
 BRUNSWICK LANE FROM
 N.L. SUNCREST AVE. TO
 S.L. WESTPORT AVE.
 PROJ. NO.
 472 76 245 80798 000 000 001

Survey
 Plan
 E
 Checked

N
 Scale: 1" = 20'



$\Delta = 62^\circ 50' 45''$ R = 130.94' T = 80.00' L = 143.62' L.C. = 136.53'
 CURVE DATA BASED ON N. θ RAD. $\frac{\Delta}{2} = 31^\circ 25' 22.5''$

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
10+18.55			0° 00' 00"	0° 00' 00"
10+30	31.45'	33.05'	6° 52' 52"	6° 52' 52"
10+75	25.0	26.30	5° 28' 12"	12° 21' 04"
10+90.36	15.36	16.17	3° 21' 38"	15° 42' 42"
11+00	9.64	10.15	2° 06' 33"	17° 49' 15"
11+25	25.0	26.30	5° 28' 12"	23° 17' 27"
11+50	25.0	26.30	5° 28' 11"	28° 45' 38"
11+62.17	12.17'	12.82	2° 39' 46"	31° 25' 24"

Deflection = 13.12770 Min./Ft.

$\Delta = 31^\circ 25' 24''$ R = 147.29' T = 41.43' L = 80.75' L.C. = 79.77'
 CURVE DATA BASED ON E. RAD. $\frac{\Delta}{2} = 15^\circ 42' 42''$

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
10+25.44			0° 00' 00"	0° 00' 00"
10+36.83	31.17'		6° 03' 45"	6° 03' 45"
10+82.56	30.73		5° 58' 37"	12° 02' 22"
11+06.94	18.88		3° 40' 20"	15° 42' 42"

Deflection = 11.669678 Min./Ft.

$\Delta = 31^\circ 25' 24''$ R = 148.67' T = 41.82' L = 81.54' L.C. = 80.52'
 CURVE DATA BASED ON S. CB. RAD. $\frac{\Delta}{2} = 15^\circ 42' 42''$

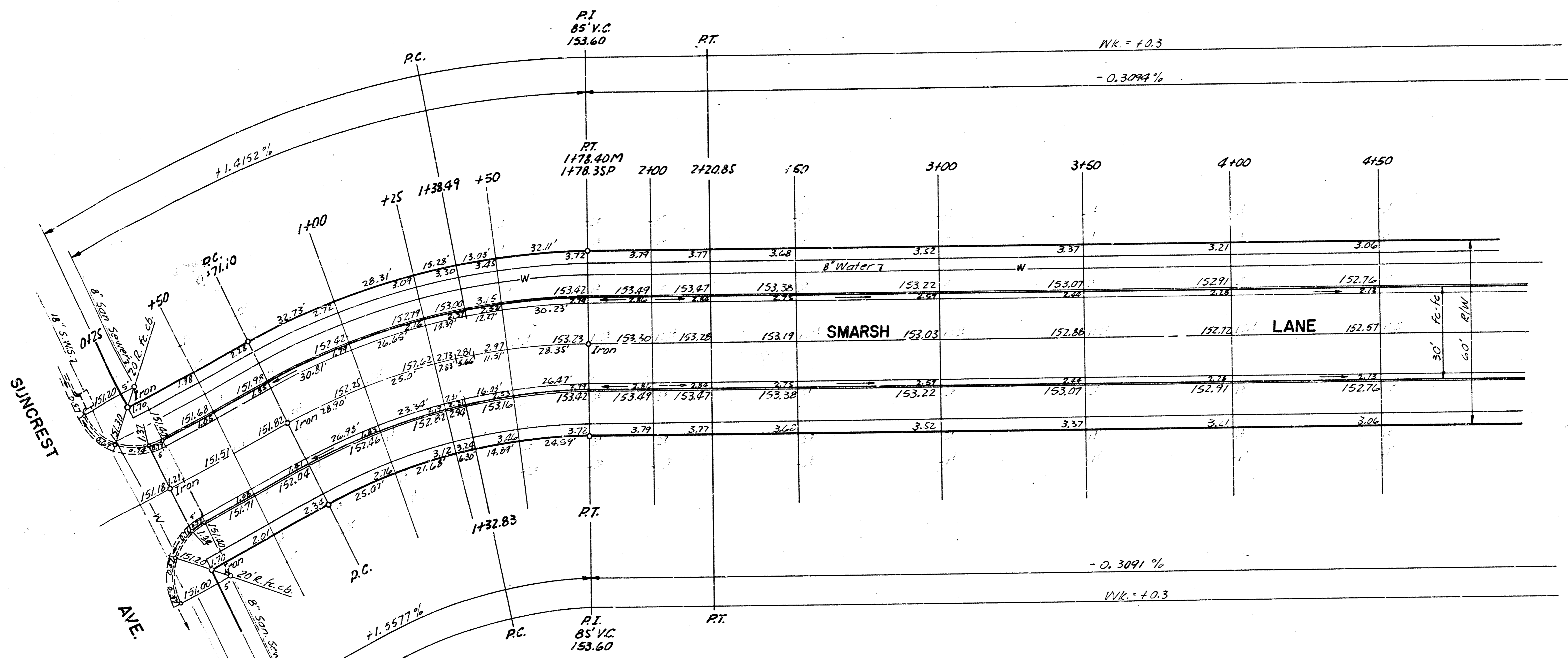
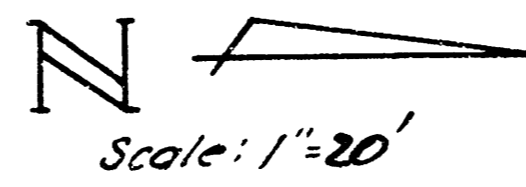
STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
10+32.77			0° 00' 00"	0° 00' 00"
10+60.28	27.31'		5° 15' 44"	5° 15' 44"
10+98.47	33.59		6° 28' 21"	11° 44' 05"
11+19.31	20.64'		3° 58' 31"	15° 42' 42"

Deflection = 11.8611970 Min./Ft.

SUNCREST AVE. FROM W.L.
 LOT 10, BLOCK 5, WEST WOOD
 HT.S 2nd ADDN TO E.L.
 BRUNSWICK LANE
 &
 BRUNSWICK LANE FROM
 N.L. SUNCREST AVE. TO
 S.L. WESTPORT AVE.
 PROJ. NO.
 472 76 245 80798 000 000 001

6/21

B.M. 142.81 City Sid. 42' N. & 38.5' E. of 1/4 Sec. Iron on Ridge just N. of Suncrest & Ridge
 B.M. 149.55 " Cut on top of S. curb of Suncrest ≈ 15' W. of fire hydrant in front of house #7401 on Sunset
 B.M. 158.47 Top of metal sign post ≈ 200' S. of S.L. of 17th St. & ≈ 15' W. of E.L. of Woodchuck.
 B.M. 152.74 R.R. Spike on W. face of RR that is 1st RR S. of S.L. Bittersweet Lane on E.L. Westwood Hts. 2nd



$\Delta = 27^{\circ}09'12''$ R = 226.30' T = 54.65' L = 107.25' L.C. = 106.25'

CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\frac{1}{2} = 13^{\circ}34'36''$

STA.	ARC	CHORD LENGTH	OFFSETS	DEFLECTION	TOT. DEFLECTION
0+71.10				0°00'00"	0°00'00"
1+00	28.90	31.81	25.94	3°39'30"	3°39'30"
1+25	25.0	27.53	22.45	3°09'53"	6°49'23"
1+32.83	7.83	8.63	7.03	0°59'28"	7°48'51"
1+38.47	5.66	6.23	5.08	0°42'59"	8°31'50"
1+50	11.51	12.68	10.34	1°27'26"	9°59'16"
1+78.35	28.35	31.21	25.45	3°35'20"	13°34'36"

Deflection = 7.575338 min/ft

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

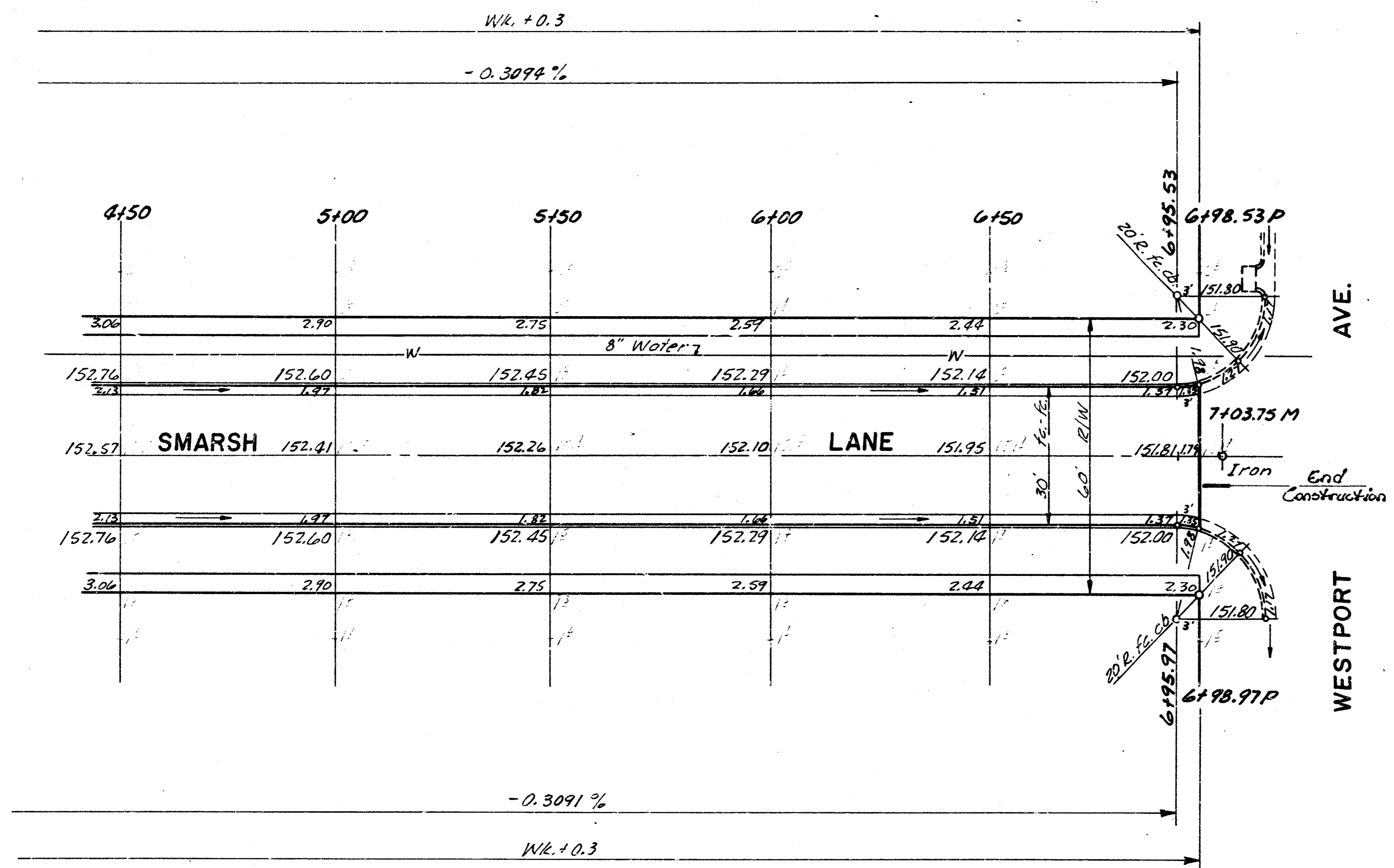
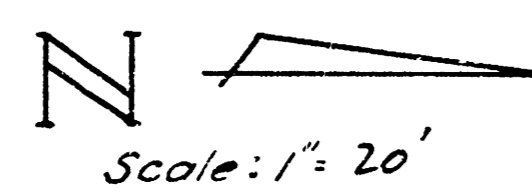
SMARSH LANE
 N.L. SUNCREST AVE. TO
 S.L. WESTPORT AVE.

PRCJ. NO.
 472 75 245 80798 000 000 001

7/21

7/10

Surveyed by JAC
 Checked by JAC
 Date 4/26/00

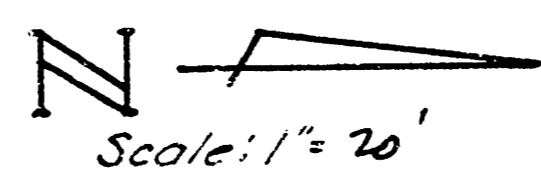


8/21

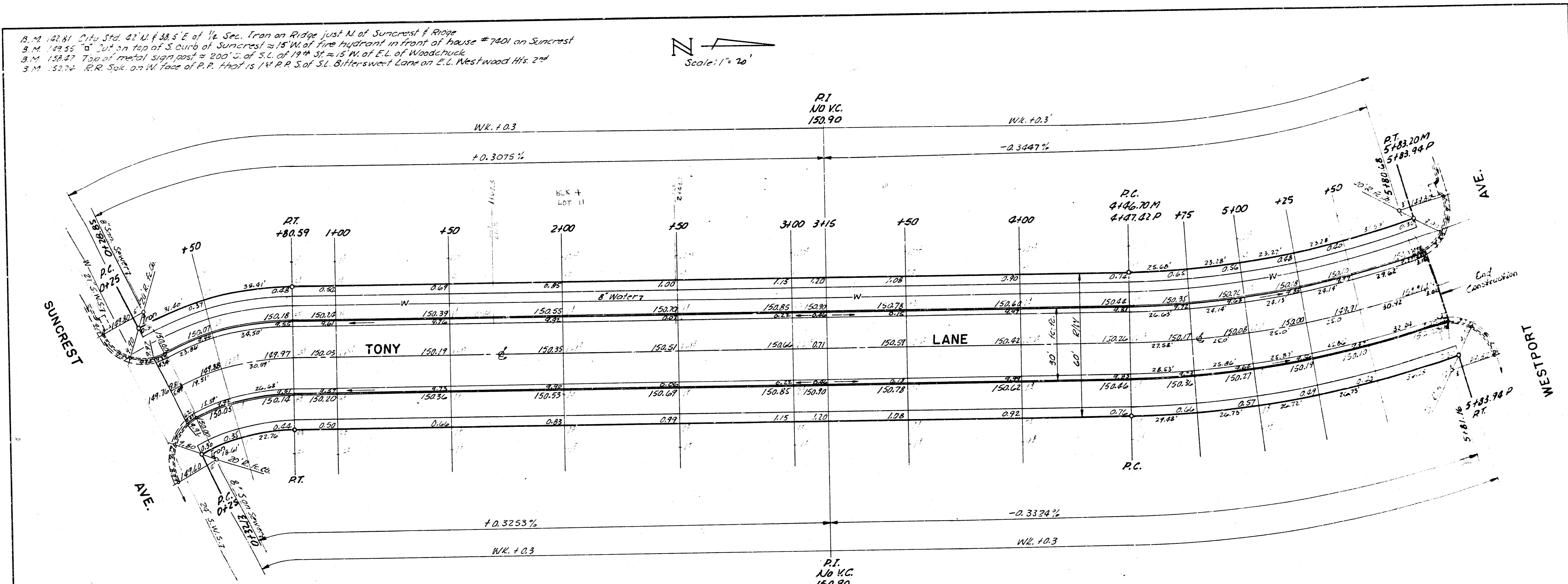
SMARSH LANE
 N.L. SUNCREST AVE. TO
 S.L. WESTPORT AVE.
 PROJ. NO.
 472 76 245 80798 000 000 001

8/10

B.M. 142.81 City Std. 42' W. of 88.5' E. of 1/4 Sec. Iron on Ridge just N. of Suncrest f. Ridge
 B.M. 149.55 " " Cut on top of S. curb of Suncrest ≈ 15' W. of fire hydrant in front of house #7401 on Suncrest
 B.M. 158.47 Top of metal sign post ≈ 200' S. of S.L. of 19th St ≈ 15' W. of E.L. of Woodchuck
 3.M. 152.74 R.R. Spike on W. face of P.P. that is 1 1/2' P.P. S. of S.L. Bitterswert Lane on E.L. Westwood Hts. 2nd



Survey D.A.C.
 Plan D.E.C.
 Exp.
 Checked



$\Delta = 27^{\circ}09'12''$ R=117.31' T=28.25' L=55.59' L.C.=55.08'

CURVE DATA BASED ON ϵ RAD. $\frac{1}{2} = 13^{\circ}34'36''$

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
0+25			0° 00' 00"	0° 00' 00"
0+28.85	3.85'	4.61'	1° 36' 28"	1° 36' 28"
0+32.13	2.13'	2.78'	1° 44' 29"	3° 20' 57"
0+50	21.16'	25.26'	5° 29' 35"	8° 50' 32"
0+80.59	30.59'	36.49'	7° 28' 16"	13° 34' 36"

Deflection = 14.6537147 min./ft

$\Delta = 17^{\circ}59'21''$ R=434.80' T=68.83' L=136.52' L.C.=135.97'

CURVE DATA BASED ON ϵ RAD. $\frac{1}{2} = 8^{\circ}59'43.5''$

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
4+47.42			0° 00' 00"	0° 00' 00"
4+75	27.58'	26.12'	1° 49' 02"	1° 49' 02"
5+10	25.0'	23.68'	1° 58' 50"	3° 27' 52"
5+25	25.0'	23.68'	1° 58' 50"	5° 06' 42"
5+50	25.0'	23.68'	1° 58' 50"	6° 45' 33"
5+80.68	30.68'	29.05'	2° 01' 17"	8° 46' 50"
5+81.16	31.16'	32.80'	2° 03' 11"	10° 50' 01"
5+83.94	32.78'	35.09'	2° 03' 11"	12° 53' 12"

Deflection = 3.953450 min./ft

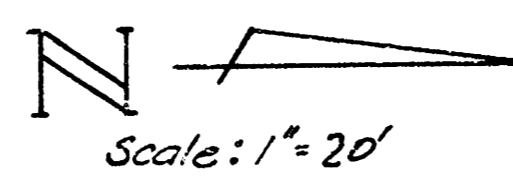
NOTICE
 TYPE OF SURVEY AND INSTRUMENT SHALL BE DETERMINED BY THE ENGINEER AND SHALL BE SHOWN ON THE PLANS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE SURVEY AND THE INSTRUMENT USED. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE SURVEY AND THE INSTRUMENT USED.

TONY LANE
 N.L. SUNCREST AVE. TO
 S.L. WESTPORT AVE.
 PROJ. NO.
 472 76 245 80798 000 000 001

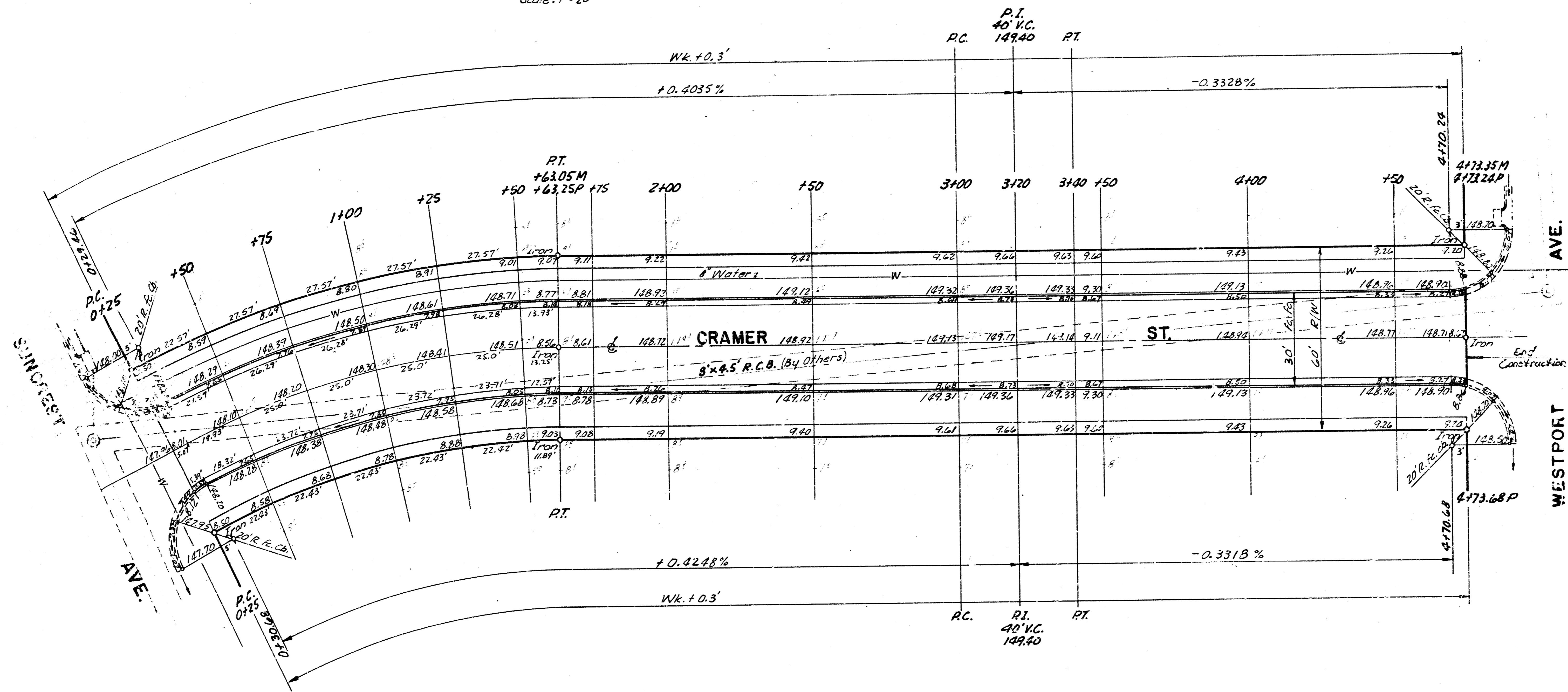
9/21

9/10

B.M. 122.81 2ndy. Std. 42' N. of 38.5' E. of 1/4 Sec. Iron on Ridge just W. of Suncrest & Ridge
 B.M. 122.55 0' cut on top of S. curb of Suncrest 15' W. of fire hydrant in front of house # 7401 on Suncrest
 B.M. 128.47 Top of metal sign post 200' S. of S.L. of 19th St. & 15' W. of E.L. of Woodchuck
 B.M. 127.72 R.R. Spk. on W. face of P.R. that is 1st P.R. S. of S.L. Bittersweet Lane on E.L. Westwood Hts. 2nd



Surveyed by J.R.C. for 425.
 Checked by J.R.C.



$\Delta = 27^{\circ}01'12''$ $R = 291.76'$ $T = 70.45'$ $L = 138.25'$ $L.C. = 136.73'$

CURVE DATA BASED ON 1/4" = 1' RAD. $\Delta = 13^{\circ}34'36''$

STA.	ARC	CHORD	LEN	LE	HT	DEFLECT.	TOTAL
0+25						0°00'00"	0°00'00"
0+27.64	2.64	4.81				1°26'17"	1°26'17"
0+30.68	5.68	5.23				2°38'28"	2°38'28"
0+50	25.50	22.15	17.79	2°01'12"	138.25	2°27'18"	2°27'18"
0+75	25.0	26.96	23.02	2°27'18"		4°54'36"	4°54'36"
1+00	25.0	26.96	23.02	2°27'18"		7°21'53"	7°21'53"
1+25	25.0	26.96	23.02	2°27'18"		9°49'18"	9°49'18"
1+50	25.0	26.96	23.02	2°27'18"		12°16'32"	12°16'32"
1+63.25	13.25	14.27	12.20	1°18'04"		13°24'36"	13°24'36"

Deflection = 5.89 2224 min./ft

THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. THE ENGINEER ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THIS DRAWING.

10/21

CRAMER ST.
N.L. SUNCREST AVE. TO
S.L. WESTPORT AVE.
 PROJ. NO.
 472 76 245 80798 000 000 001