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.

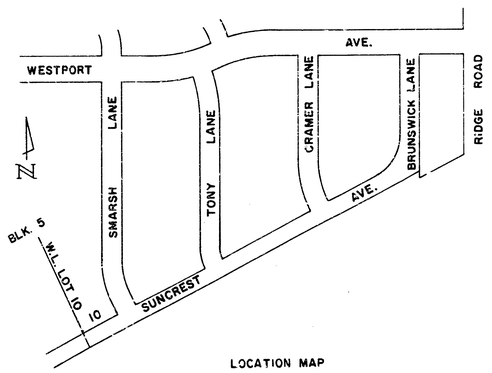
CRAMER ST.
N.L. SUNCREST AVE. TO S.L. WESTPORT AVE.

CITY OF WICHITA, KANSAS

D.S. SELLERS Acting CITY ENGINEER

DATE _____

PROJ. NO. 472 76 245 80798 000 000 001

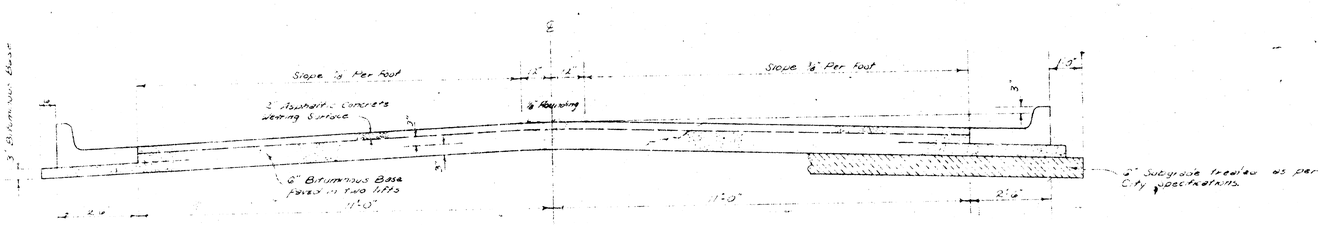


LOCATION MAP
SCALE: 1"=200'

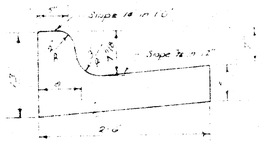
STEPHEN S. SLACK LICENSED 8724 KANSAS LAND SURVEYOR

1/10

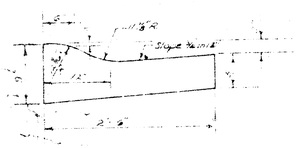
SUNCREST AVE.



COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



TYPICAL SECTION

27' 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.

The A.C. pavement between the Comb. Curb & Gutter shall be paid at Sq. Yds. 8" A.C. Pavement (5 Bituminous Base). The Bituminous Base under the Comb. 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.

2/21

CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

D.S. SELLERS — Acting CITY ENGINEER

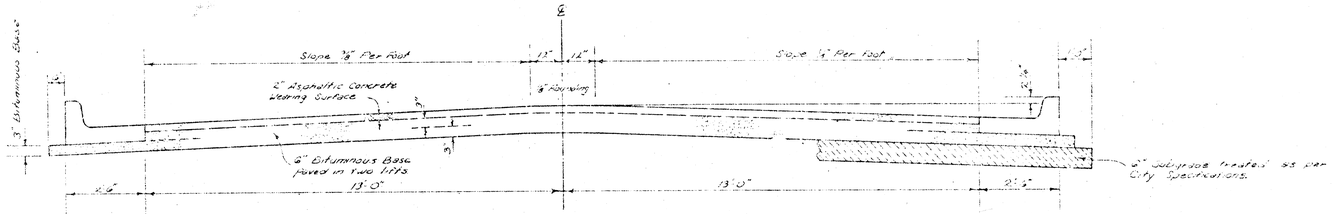
DATE _____

PROJ. NO. 472 76 245 80798 000 000 001

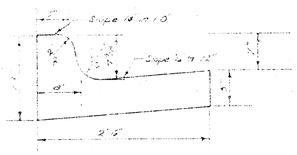
2/10

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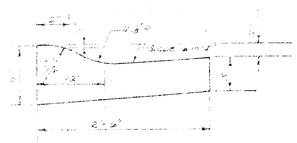
BRUNSWICK LANE
SMARSH LANE
TONY LANE
CRAMER ST.



COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



TYPICAL SECTION

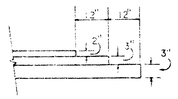
31' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

The A.C. pavement between the curb & gutter will be paid as Sq Yds. 8" A.C. Pavement (2 Lifts) & Sq Yds. 6" Bituminous Base under the Conc. Curb & Gutter will be paid as Sq Yds. 3" 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.

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DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



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3/21

CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS — ENGINEERING

D.S. SELLERS — Acting CITY ENGINEER

DATE _____

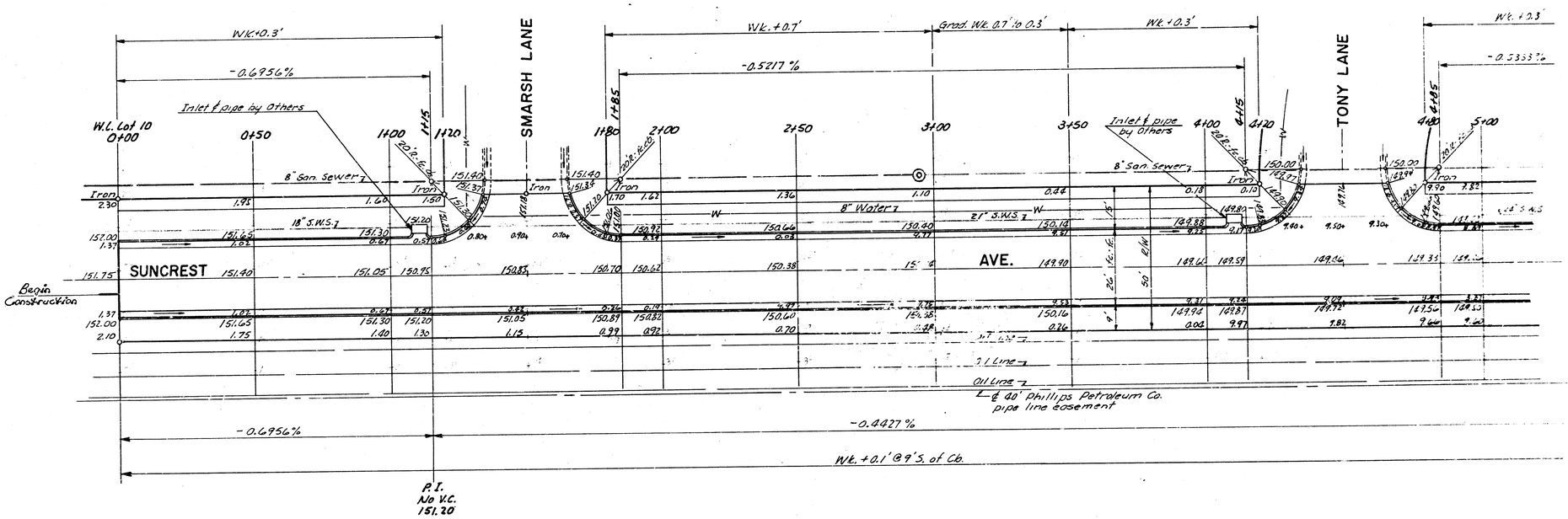
PROJ. NO. 472 76 245 80798 000 000 001

3/10

FILMED FROM THE BEST AVAILABLE COPY.....

B.M. 142.81 City Std. 42' N. & 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 R.P. that is 1st R.P. S. of S.L. Bittersweet Lane on E.L. Westwood Hts. 2nd

Scale: 1"=20'



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

Total Earthwork Quantities From All Streets on This Project

Excav. Prop.	Excav. City	Fill Prop.	Fill City	C.F. only Prop.	C.F. only City	C.F. Prop.	C.F. City
3496.1 C.Y.	182.5 C.Y.	1761.0 C.Y.	6.9 C.Y.	218.3 C.Y.	0	57.1 C.Y.	0
+10% 349.6	+10% 18.3					+10% 5.7	
3845.7 C.Y.	200.8 C.Y.					62.8 C.Y.	

TOTAL MANIPULATION = 11,141 S.Y.

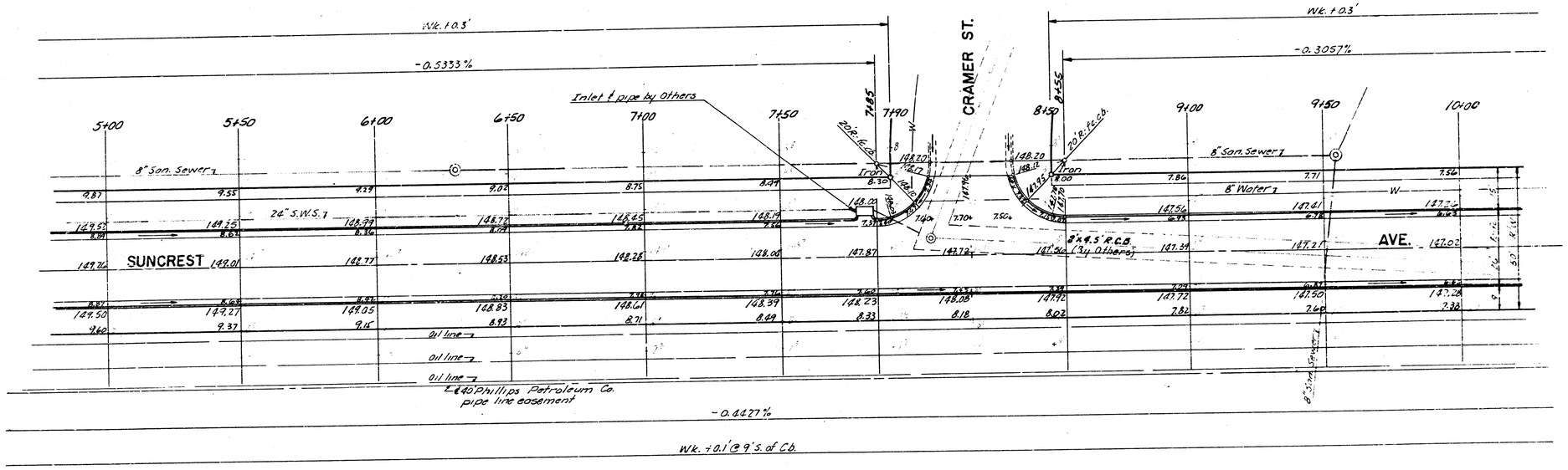
4/21

SUNCREST AVE. FROM W.L. LOT 10, BLOCK 5, WESTWOOD 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

4/10

Scale: 1"=20'

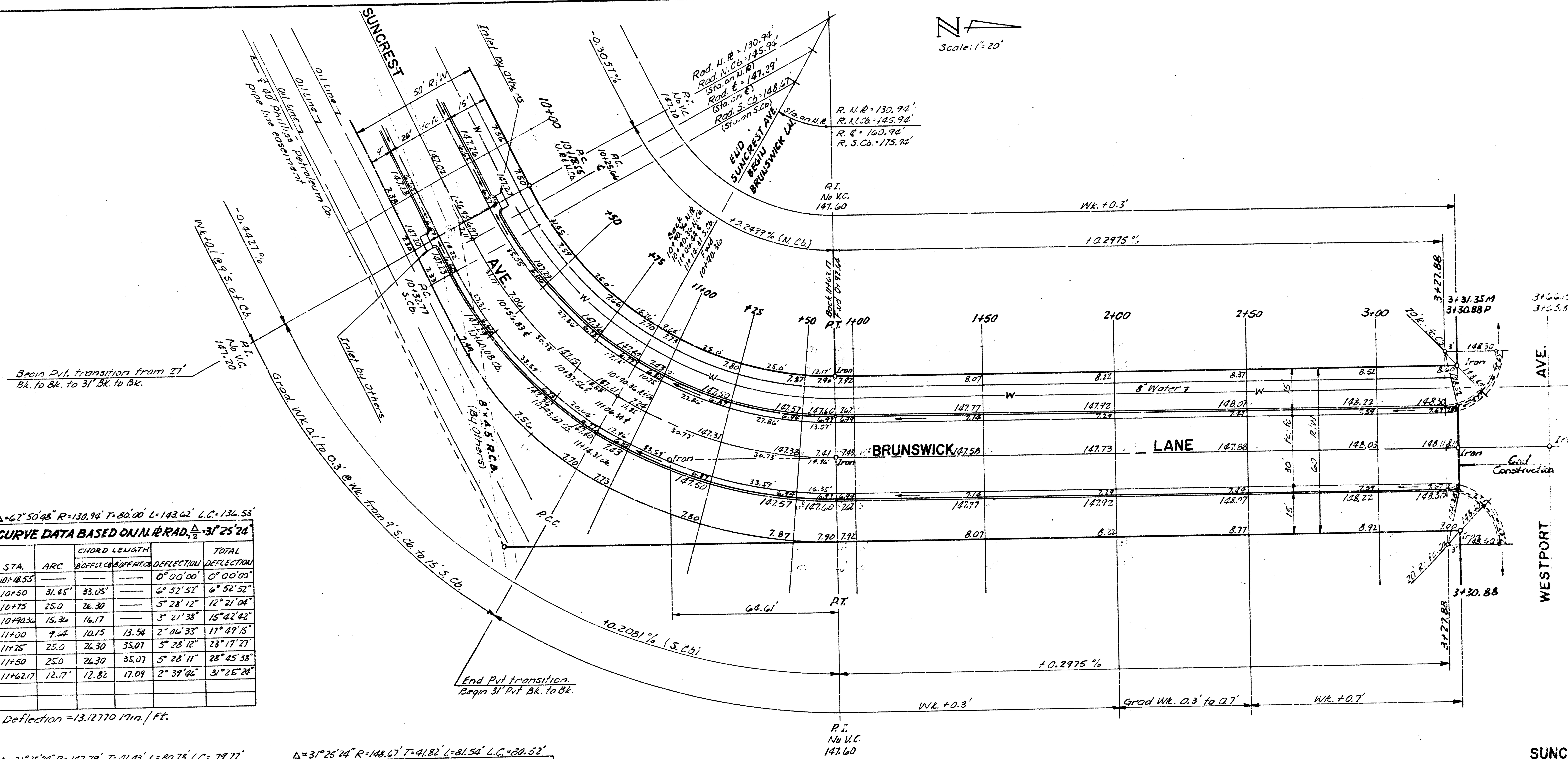


5/21

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

9/10



Δ=62°50'48" R=130.94' T=80.00' L=143.62' L.C.=136.53'

CURVE DATA BASED ON N. ₵ RAD., Δ/2 = 31°25'24"

STA.	ARC	CHORD LENGTH 8' OFF LT. CB	CHORD LENGTH 8' OFF RT. CB	DEFLECTION	TOTAL DEFLECTION
10+18.55	——	——	——	0°00'00"	0°00'00"
10+50	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	13.54	2°06'33"	17°49'15"
11+25	25.0	26.30	35.07	5°28'12"	23°17'27"
11+50	25.0	26.30	35.07	5°28'11"	28°45'38"
11+62.17	12.17'	12.82	17.09	2°39'46"	31°25'24"

Deflection = 13.12770 Min./Ft.

Δ=31°25'24" R=147.29' T=41.43' L=80.78' L.C.=79.77'

CURVE DATA BASED ON ₵ RAD., Δ/2 = 15°42'42"

STA.	ARC	CHORD LENGTH 8' OFF LT. CB	CHORD LENGTH 8' OFF RT. CB	DEFLECTION	TOTAL DEFLECTION
10+25.66	——	——	——	0°00'00"	0°00'00"
10+56.83	31.17'	——	——	6°03'45"	6°03'45"
10+87.56	30.73	——	——	5°58'37"	12°02'22"
11+06.44	18.88'	——	——	3°40'20"	15°42'42"

Deflection = 11.6699678 Min./Ft.

Δ=31°25'24" R=148.67' T=41.82' L=81.54' L.C.=80.52'

CURVE DATA BASED ON S. CB. RAD., Δ/2 = 15°42'42"

STA.	ARC	CHORD LENGTH 8' OFF LT. CB	CHORD LENGTH 8' OFF RT. CB	DEFLECTION	TOTAL DEFLECTION
10+32.77	——	——	——	0°00'00"	0°00'00"
10+60.08	27.31'	——	28.74'	5°15'44"	5°15'44"
10+93.67	33.59	——	35.32	6°28'21"	11°44'05"
11+14.31	20.64'	——	21.73'	3°58'37"	15°42'42"

Deflection = 11.5611970 Min./Ft.

SUNCREST AVE. FROM W.L. LOT 10, BLOCK 5, WESTWOOD 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

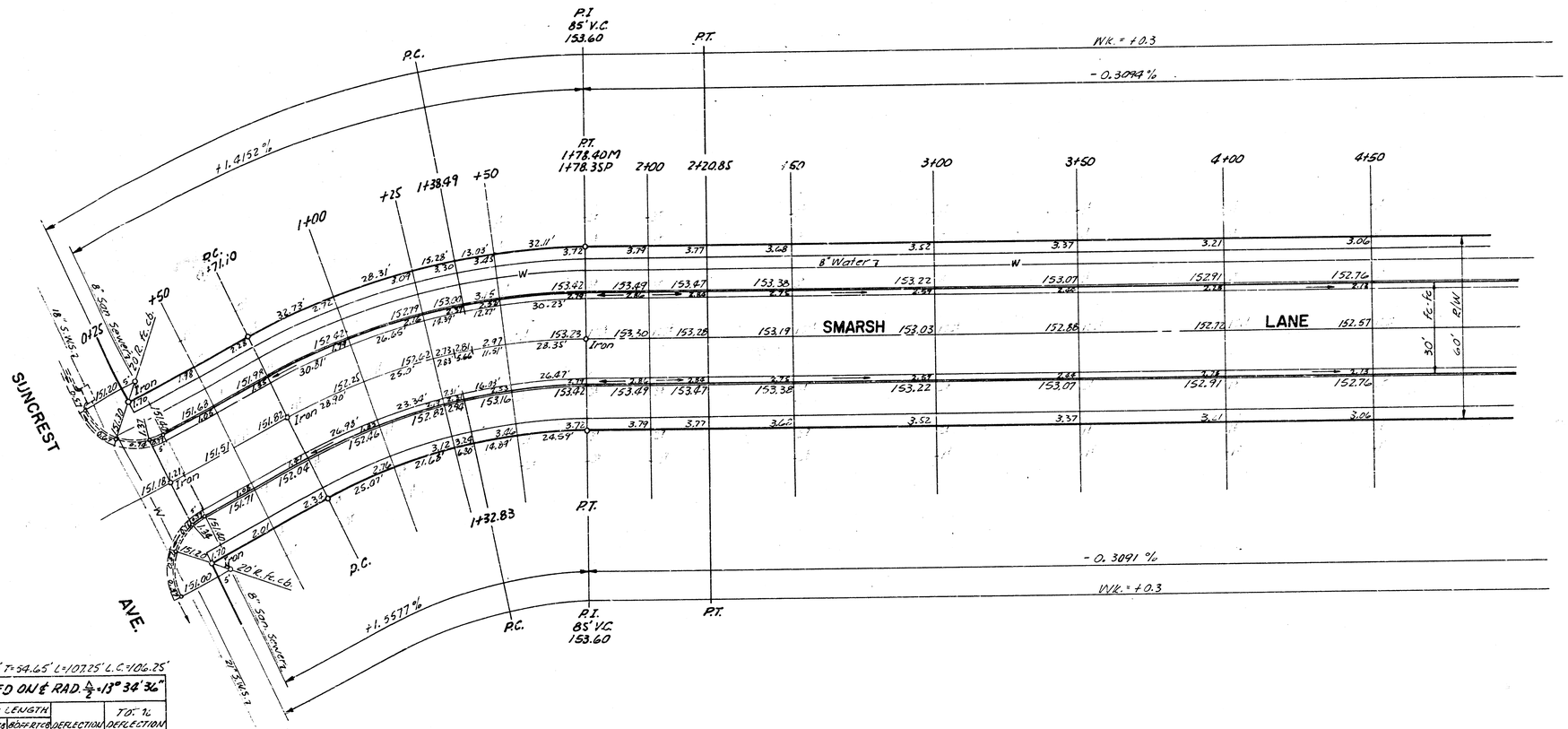
6/10

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B.M. 152.74 R.R. Spike on W. face of P.P. that is 1st P.P. S. of S.L. Bittersweet Lane on E.L. Westwood Hts. 2nd

Surveyed J.R.C.
Staked J.R.C.
Lvl.
Checked

N

Scale: 1"=20'



Δ=27°09'12" R=226.30' T=54.65' L=107.25' L.C.=106.25'

CURVE DATA BASED ON ℄ RAD. ½=13°34'36"

STA.	ARC	CHORD LENGTH 20 FT. CHORDS	CHORD LENGTH 10 FT. CHORDS	DEFLECTION	TOT. ℄ DEFLECTION
0+71.10	——	——	——	0°00'00"	0°00'00"
1+00	28.90	31.81	25.98	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+38.49	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 = 7.54538 min/ft.

SUBGRADE

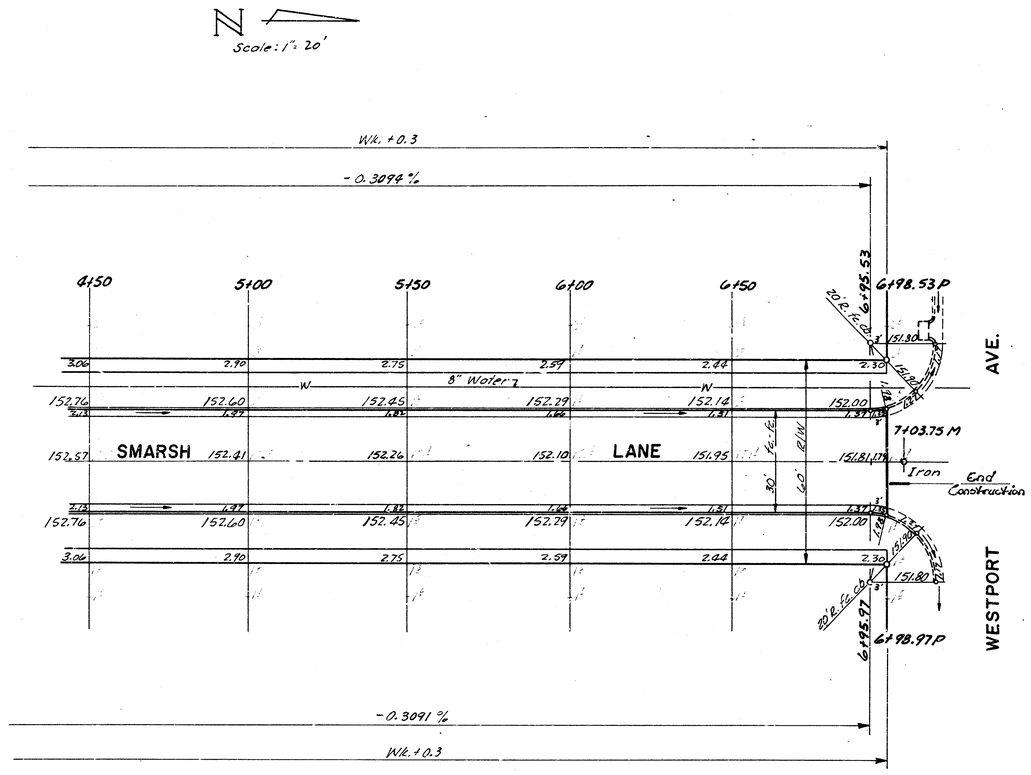
TYPE OF SUBGRADE TREATMENT SHALL BE DESIGNATED BY THE FIELD ENGINEER. SUBGRADE TREATMENT MAY CONSIST OF WATER TREATMENT, CEMENT TREATMENT, SUBGRADE MODIFICATION, OR ANY COMBINATION OF THESE.

7/21

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

PROJ. NO.
472 76 245 80798 000 000 001

7/10



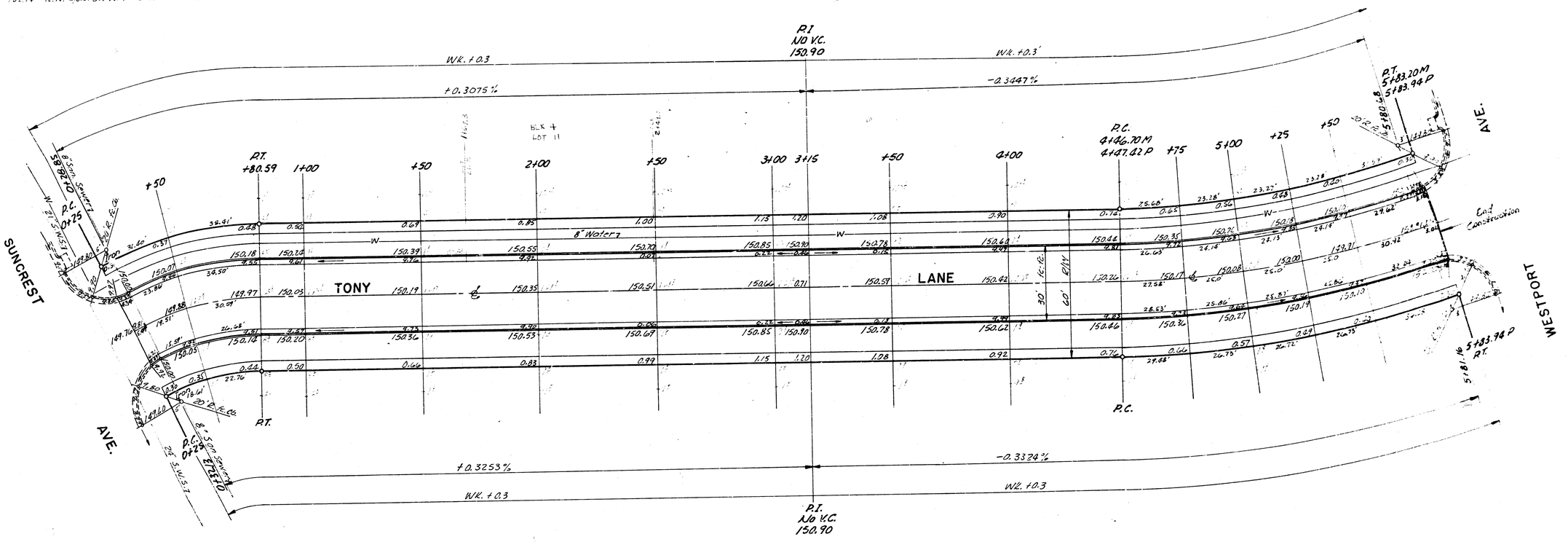
8/21

SMARSH LANE
N.L. SUNCREST AVE. TO
S.L. WESTPORT AVE.
PROJ. NO.
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8/10

B.M. 142.81 City Std. 42' W. & 38.5' E of ¼ Sec. Iron on Ridge just N. of Suncrest & Ridge
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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 P.P. that is 1ST P.P. S. of S.L. Bittersweet Lane on E.L. Westwood Hts. 2nd

N
Scale: 1" = 20'



Δ = 27°09'12" R = 117.31' T = 28.25' L = 55.59' L.C. = 55.08'

CURVE DATA BASED ON ℄ RAD. ½ = 13°39'36"

STA.	ARC	CHORD LENGTH @ DIFF. CRS	@ DIFF. RTES	DEFLECTION	TOTAL DEFLECTION
0+25	——	——	——	0°00'00"	0°00'00"
0+28.85	3.85	↓	4.61'	1°56'28"	1°56'28"
0+32.13	2.13	↓	↓	1°04'28"	3°00'56"
0+50	21.16	12.87'	25.26'	14.35'	5°29'56" 4°31'" 6°00'20" 6°06'20"
0+80.59	30.59'	26.49'	26.53'	7°28'16"	13°34'36"

Deflection = 14.65371/47 min./ft.

Δ = 17°59'27" R = 434.80' T = 68.83' L = 136.52' L.C. = 135.97'

CURVE DATA BASED ON ℄ RAD. ½ = 8°59'43.5"

STA.	ARC	CHORD LENGTH @ DIFF. CRS	@ DIFF. RTES	DEFLECTION	TOTAL DEFLECTION
4+47.42	——	——	——	0°00'00"	0°00'00"
4+75	27.58'	26.12'	29.04	1°49'02"	1°49'02"
5+00	25.0	23.68	26.32	1°38'50"	3°27'52"
5+25	25.0	23.68	26.32	1°38'50"	5°06'42"
5+50	25.0	23.68	26.32	1°38'50"	6°45'33"
5+80.68	30.68	↓	29.05'	2°01'13"	8°46'46"
5+81.16	.48	31.14		32.80'	2°05'11" 8°51'57"
5+83.94	3.24	2.78	3.09'	2.93'	0°11'53" 8°51'57" 9°03'50" 9°03'50"

Deflection = 3.953450 min./ft.

SUBGRADE
TYPE OF SUBGRADE ... WITH WEIGHT SMALL ROLLER
TERMINATION OF SUBGRADE ... AT SIDEWALK
TREATMENT OF SUBGRADE ... AS PER EVALUATION
CEMENT TREATED SUBGRADE ... NOT REQUIRED
TION OR ANY COMMENTARY OF THESE.

(9/21)

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

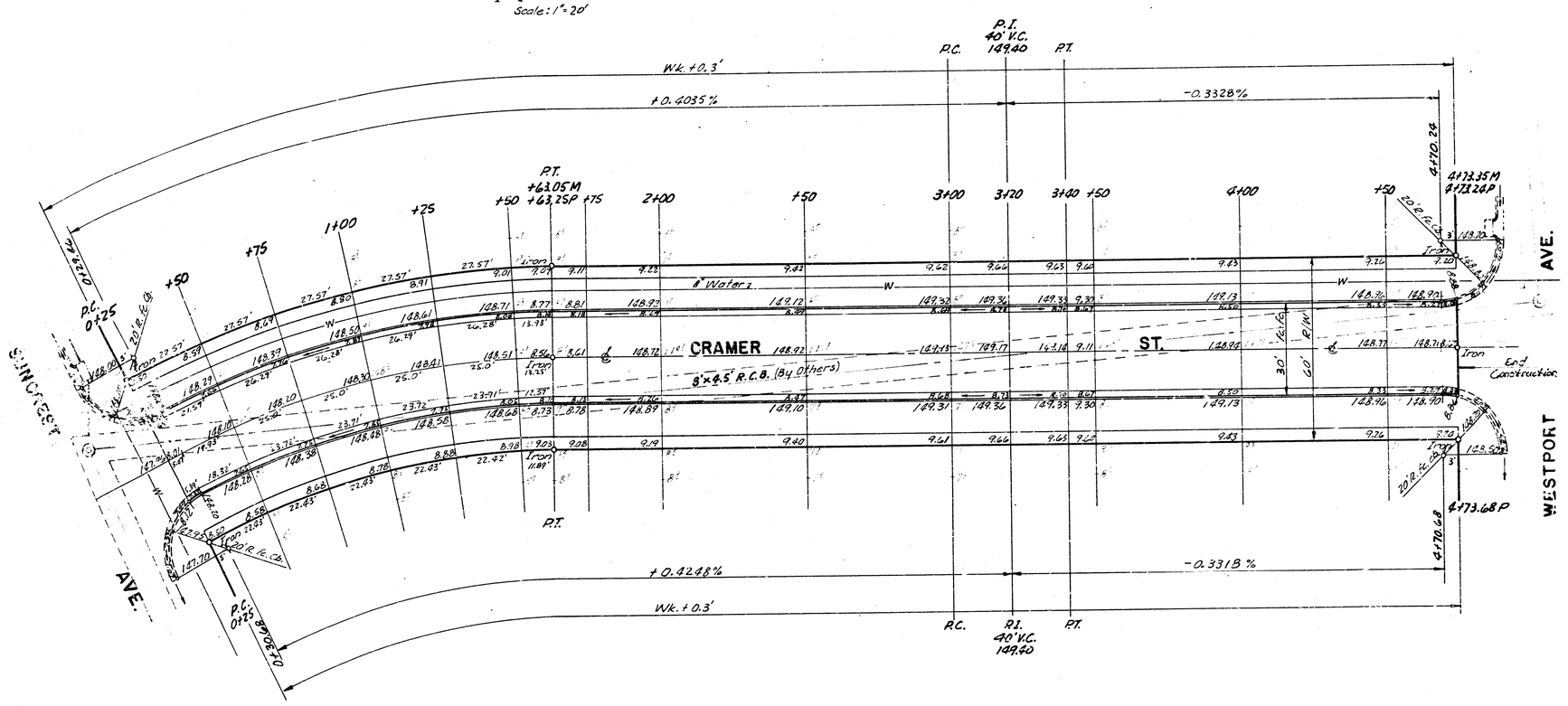
PROJ. NO.
472 76 245 80798 000 000 001

9/10

Surv'd
Plan
Ext.
Checked

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Scale: 1" = 20'



Δ = 27°09'12" R = 291.72' T = 70.95' L = 138.25' L.C. 136.93'

CURVE DATA BASED ON L & RAD. ⅔ = 13°36'36"						
STA.	ARC	CHORD LENGTH ℄ OFF LT. CB	CHORD LENGTH ℄ OFF RT. CB	DEFLECTION		TOTAL DEFLECT. ∠
0+25	——	——	——	0°00'00"		0°00'00"
0+39.64	14.46	4.81'		1°26'17"		1°26'17"
℄ 130.68	5.68		5.23'		0°33'28"	0°33'28"
0+50	20.57	22.15	17.79	2°01'41"	1°28'50"	2°27'18"
0+75	25.0	26.96	23.02	2°27'18"		4°54'36"
1+00	25.0	26.96	23.02	2°27'19"		7°21'55"
1+25	25.0	26.96	23.02	2°27'18"		9°49'13"
1+50	25.0	26.96	23.02	2°27'19"		12°16'32"
1+63.25	13.25	14.29	12.20	1°18'04"		13°34'36"

Deflection = 5.89 22.24 min./ft.

THESE [illegible] SHALL BE DE-
[illegible] RESPONSIBLE
[illegible] AGENCY HAVING
CH[illegible] JURISDICTION OF THESE

Surveyed J.R.C.
Plan Det. E.S.
Ex.
Checked

10/21

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

1%10