

STREETS IN COUNTRY PLACE ESTATES

GATEWOOD

515' N. OF N. L. 13TH ST. TO A POINT OF TANGENT ON N. L. LOT 1, BLOCK 1

GATEWOOD

POINT OF TANGENT ON N. L. LOT 1, BLOCK 1 TO A POINT RADIAL WITH S. E. CORNER LOT 26, BLOCK 1

CRESTWOOD

E. L. GATEWOOD TO E. L. LOT 41, BLOCK 1

LINDEN & LINDEN CIRCLE

S. L. GATEWOOD TO & INCLUDING CUL- DE - SAC

LINDEN CT.

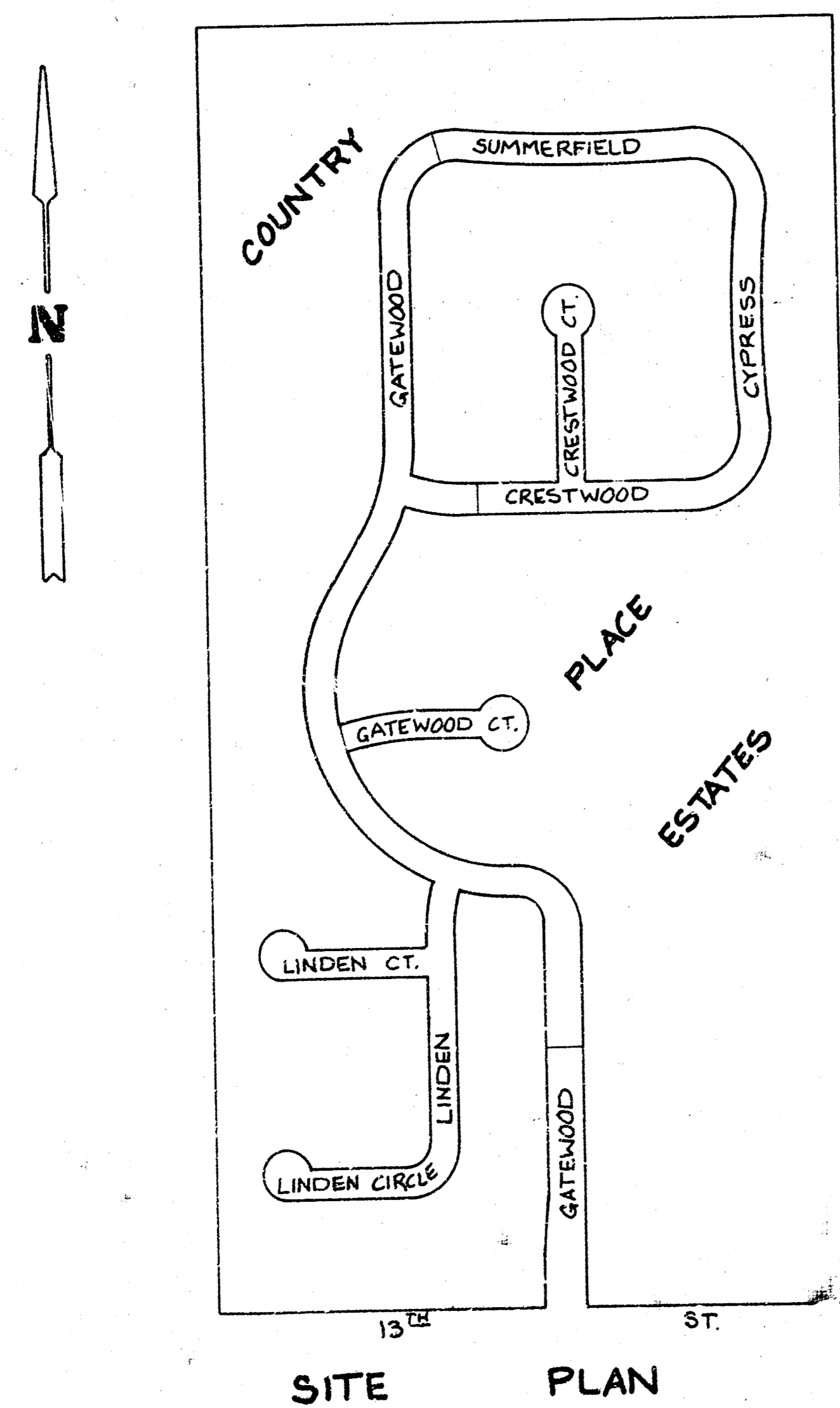
W. L. LINDEN TO & INCLUDING CUL- DE - SAC

PROJ. NO. 472 76 245 80811000 000 001

CITY OF WICHITA, KANSAS

DEAN S. SELLERS - ACTING CITY ENGINEER

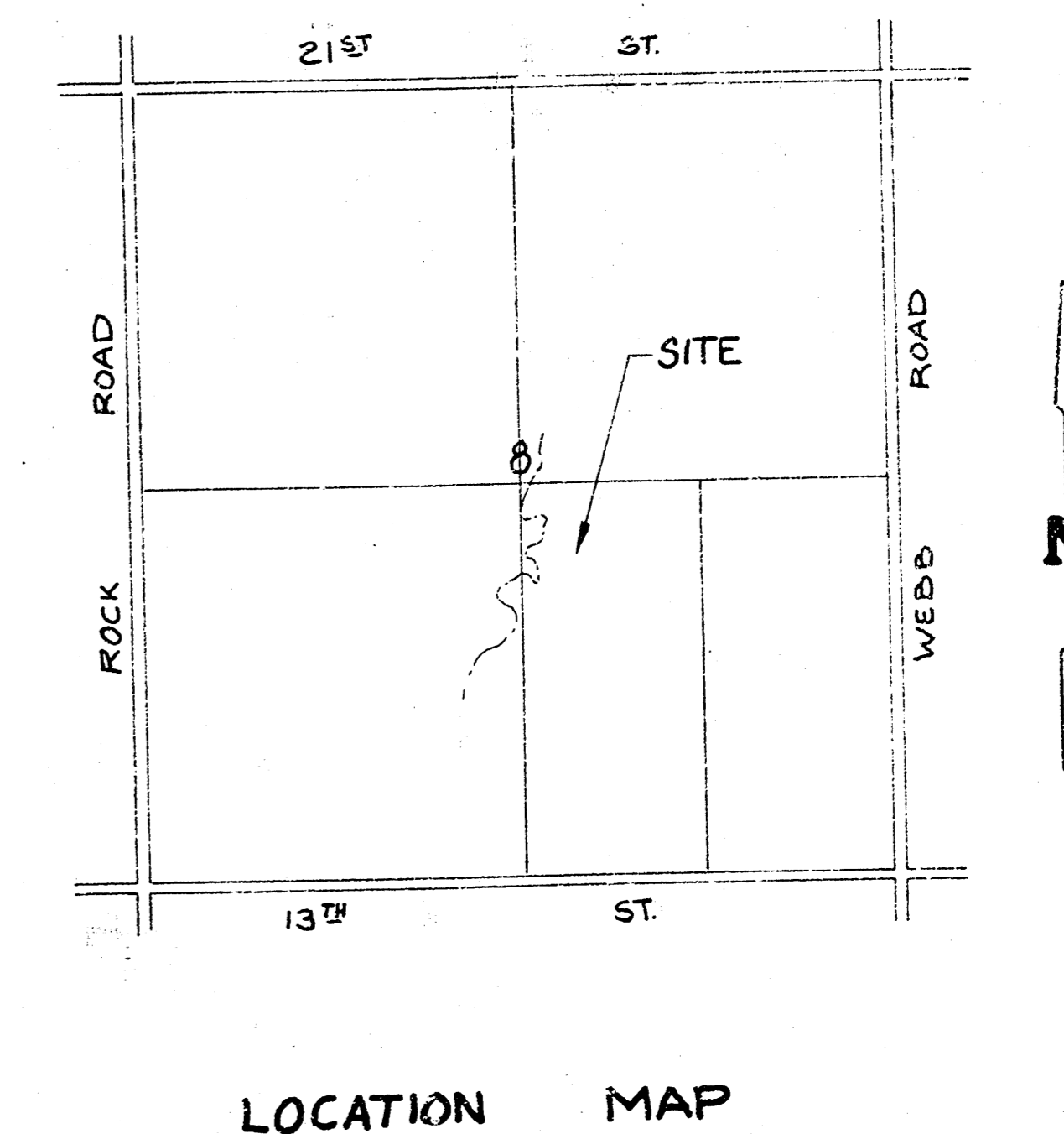
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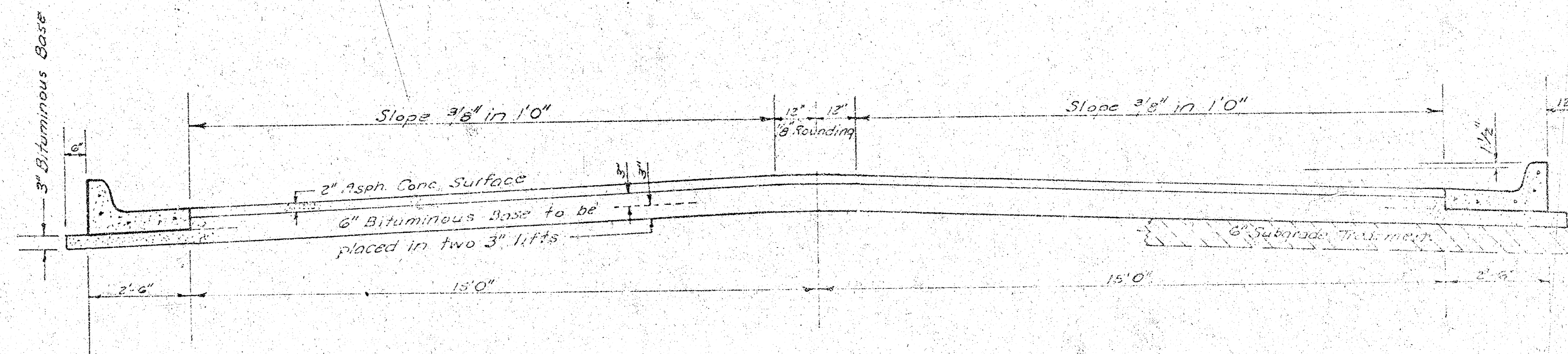
	PROPERTY		CITY	
	EXCAVATION	COMPFILL	EXCAVATION	COMPFILL
X-SECTION	6,252.0 C.Y.	581.6 C.Y.	68.8 C.Y.	45.3 C.Y.
10 %	629.2 C.Y.	58.2 C.Y.	6.9 C.Y.	4.5 C.Y.
TOTAL	6,877.2 C.Y.	639.8 C.Y.	75.7 C.Y.	49.8 C.Y.

Total Manipulation 14,106 S.Y.

Note: Not more than 53 20' Driveways or equivalent to be built and charged to this project.



GATEWOOD CRESTWOOD



TYPICAL SECTION

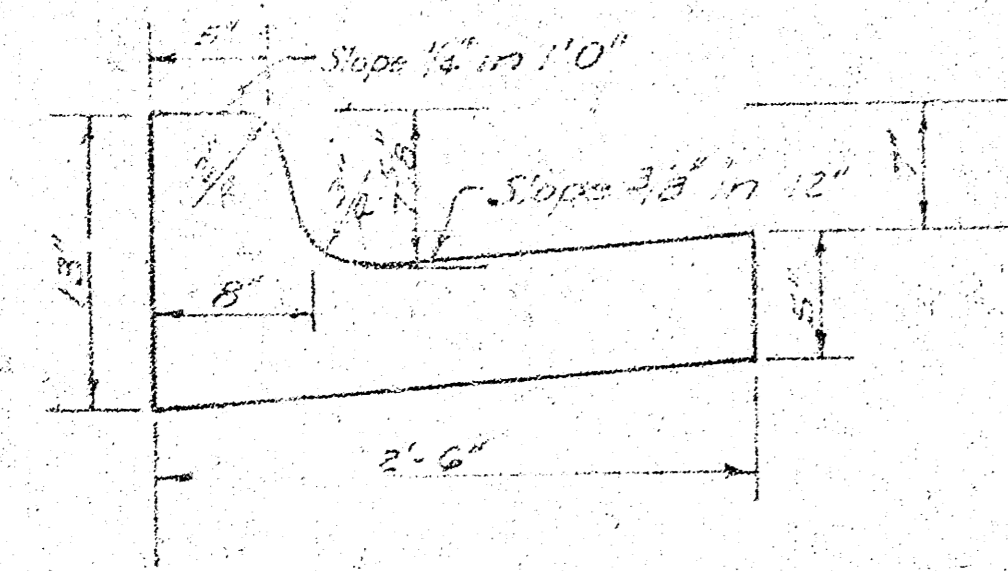
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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.

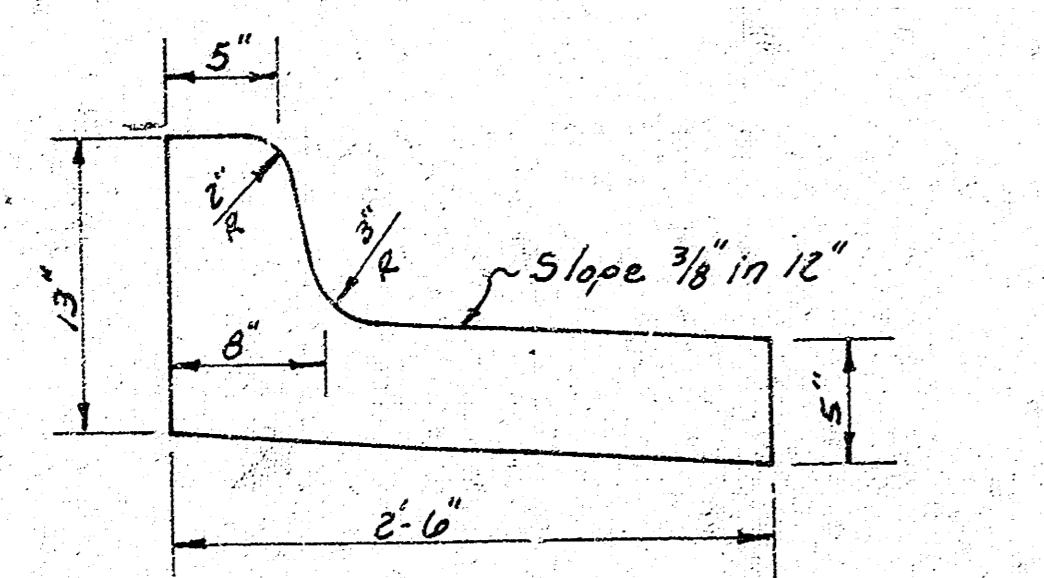
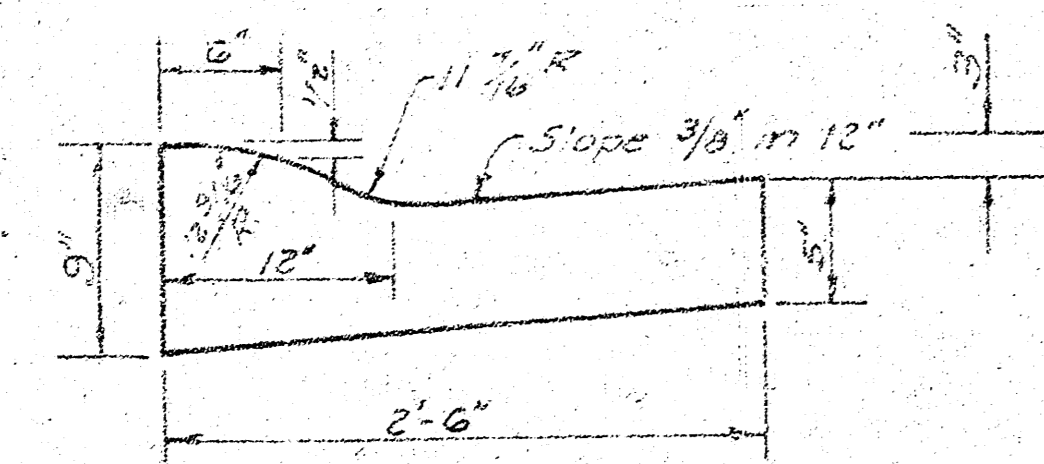
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED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

The A.C. Pavement between the comb. curb & gutter shall be paid as 35' of A.C. Pavement (6\"/>

COMBINED CURB & GUTTER

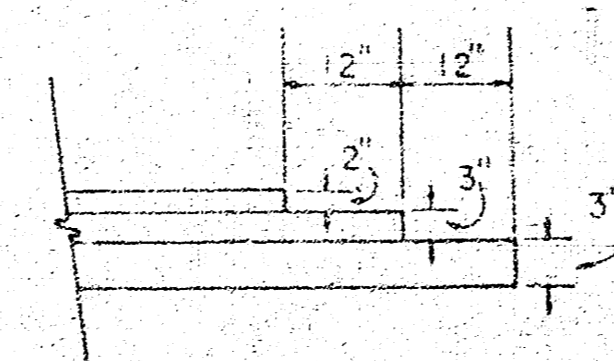


ROLL TYPE CURB & GUTTER



REVERSE SLOPE COMBINED CURB & GUTTER
(To be paid as std. Combined cb. & Gtr.)

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

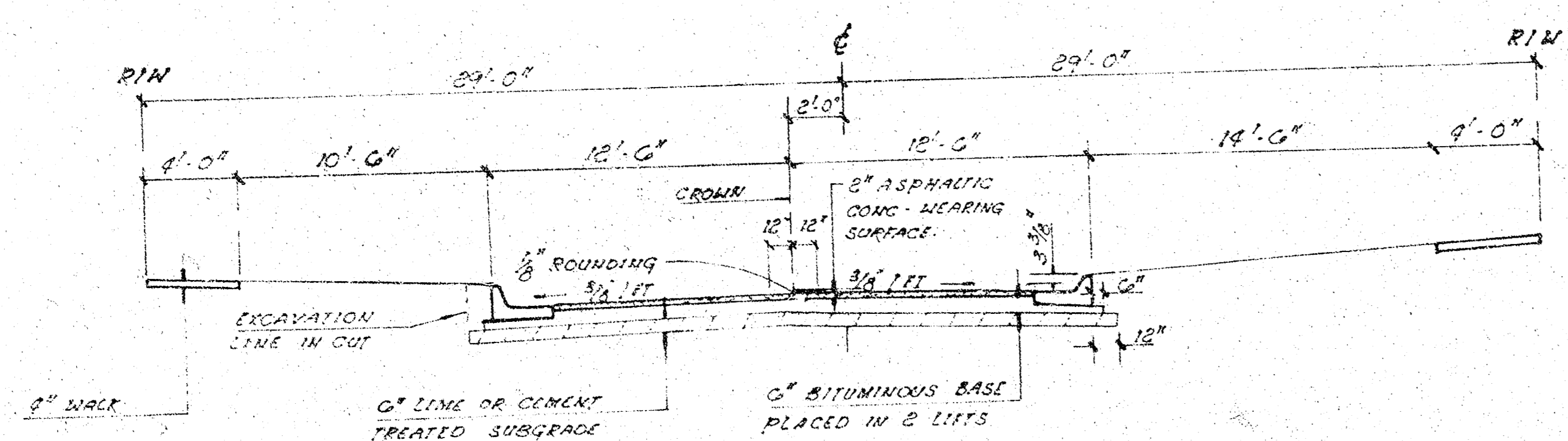
Division

DEAN S. SELLERS - ACTING CITY ENGINEER

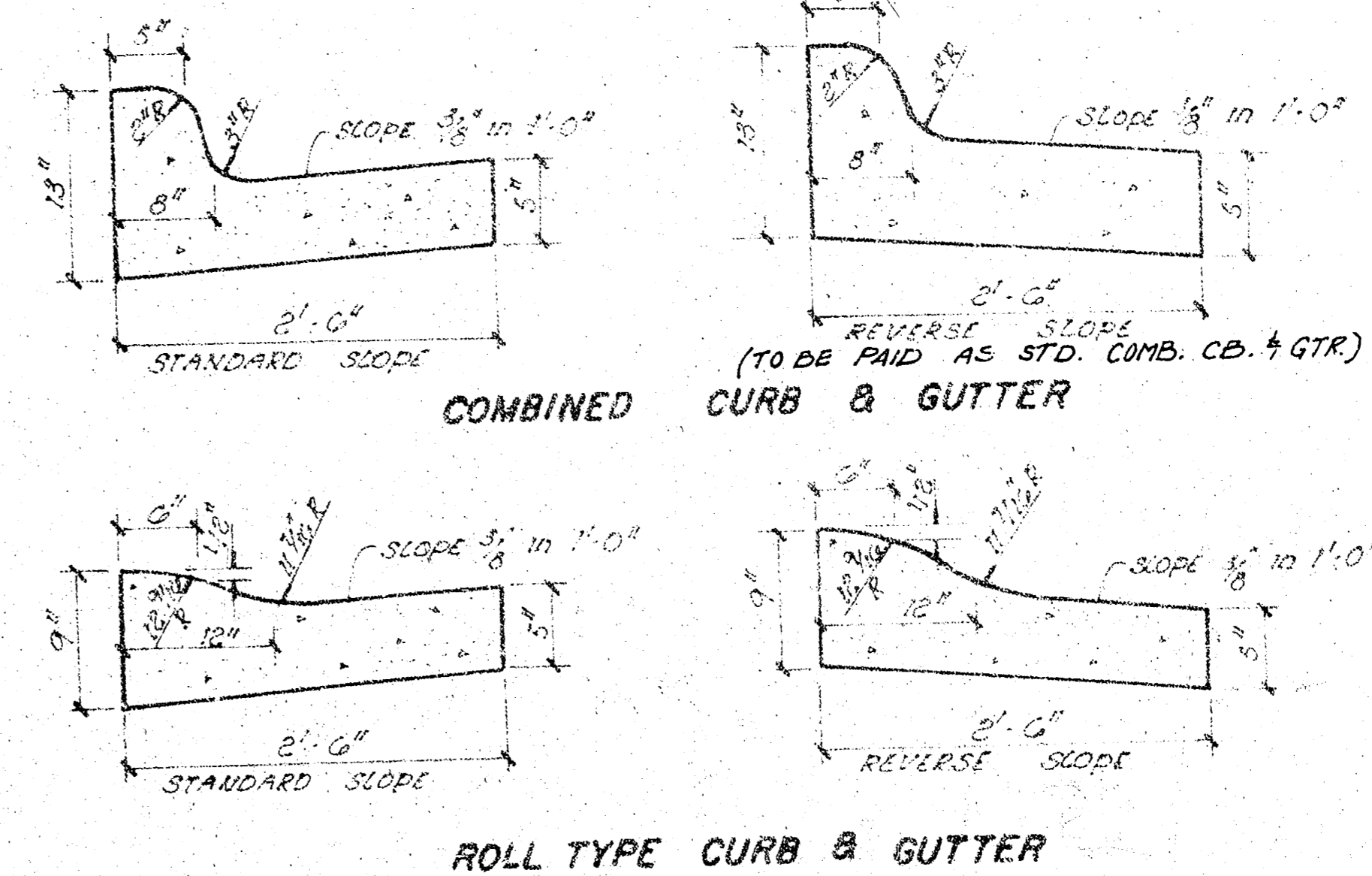
DATE _____ Proj No. 472 76 245 80811000 000 001

2/11

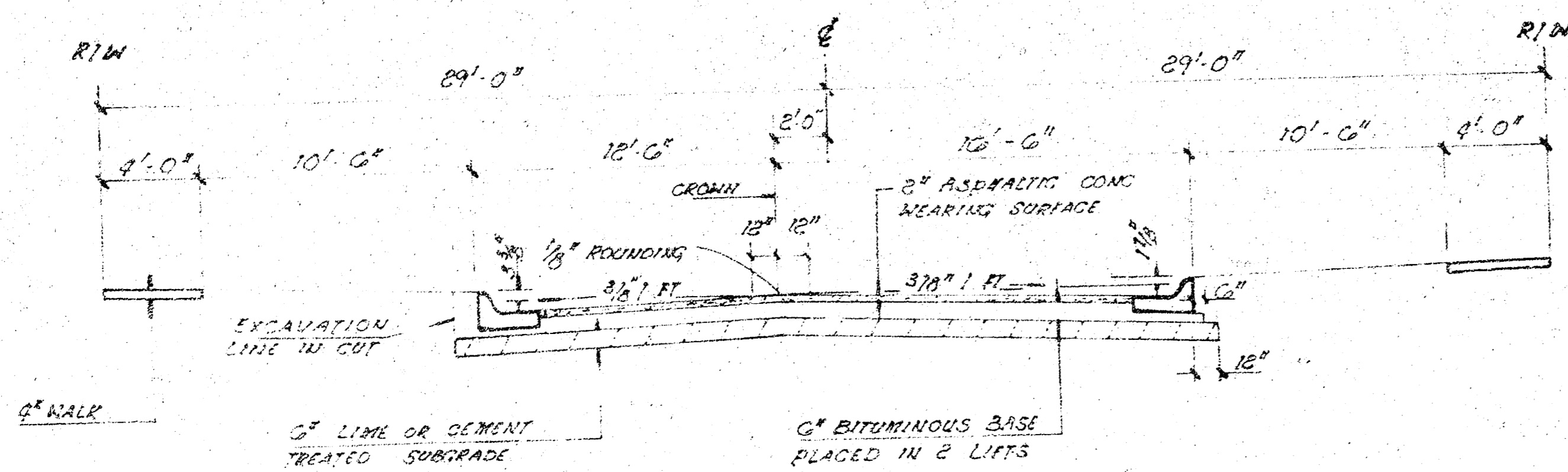
LINDEN
LINDEN CIRCLE
LINDEN COURT



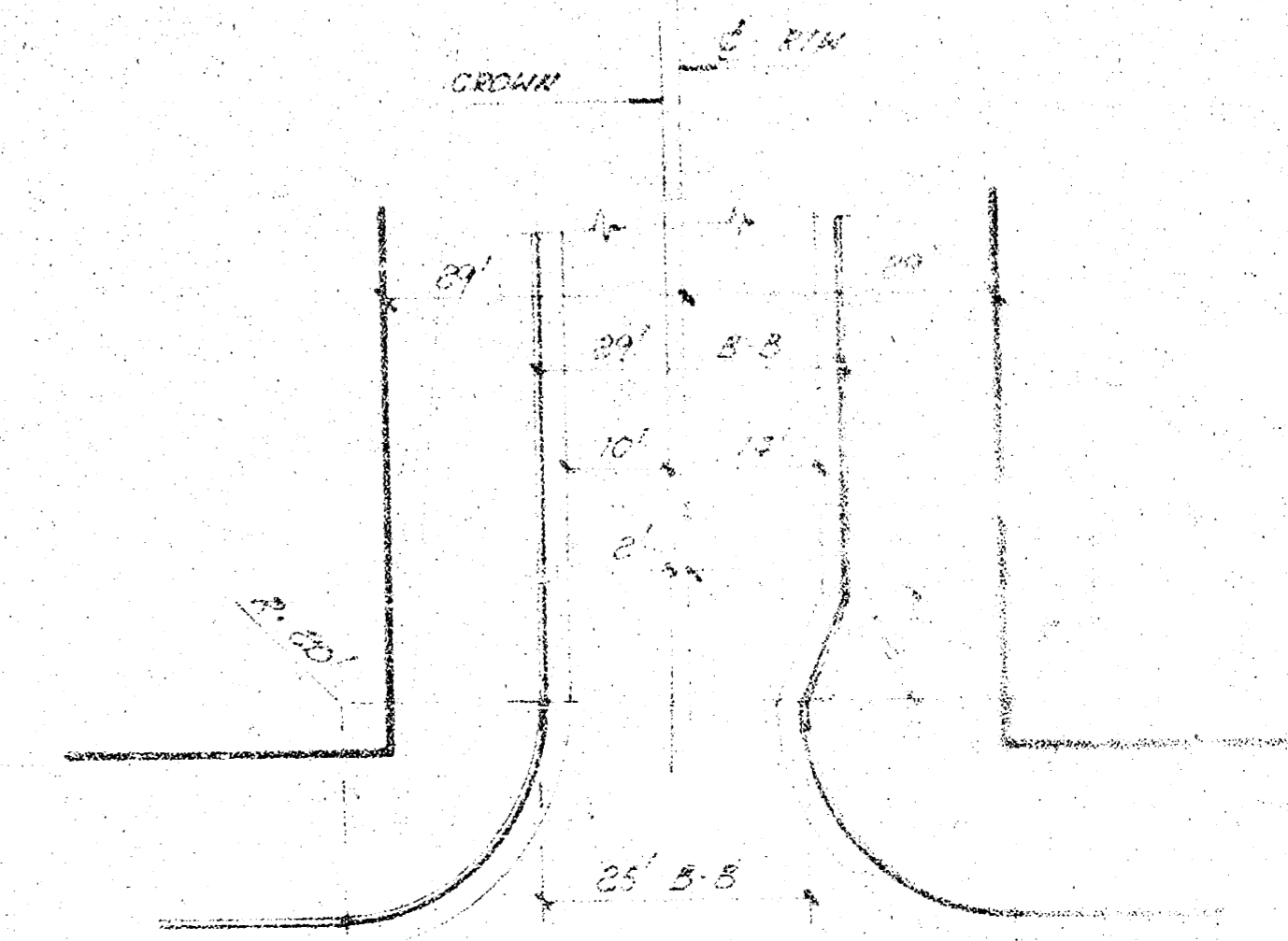
TYPICAL 25' B-B SECTION



TYPICAL RESIDENTAL SECTIONS
FOR CROWN OFFSET - 58' R/W



TYPICAL 29' B-B SECTION
W PARKING ON ONE SIDE



PLAN VIEW (TYPICAL)

GENERAL NOTES

1. A JACK COAT OF EMULSIFIED ASPHALT (SS - 1B) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQUARE YARD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. JACK 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 FOOT WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.
2. THE A.C. PAVEMENT BETWEEN COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS 8" A.C. PAVEMENT (6" BITUMINOUS BASE). THE BITUMINOUS BASE UNDER THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS 3" BITUMINOUS BASE.
3. SIDEWALKS INDICATED ON THE TYPICAL SECTION ARE FOR LOCATION ON THAT SECTION. SIDEWALKS SHALL NOT BE CONSTRUCTED ON THIS PROJECT.
4. CONTRACTION JOINTS MAY BE CONSTRUCTED IN INTEGRAL CURB BY SAWING WITH AN APPROVED CONCRETE SAW. THE SAW SHALL EXTEND THROUGH THE CURB TO THE PAVEMENT. SAWED CONTRACTION JOINTS SHALL HAVE A MAXIMUM SPACING OF 10'.
5. INTEGRAL CURB SHALL BE TIED TO THE PAVEMENT BASE WITH SHORT DEFORMED DWEL BARS SPACED AT 2' - 6" INTERVALS. THESE DWEL BARS SHALL NOT BE LESS THAN 1/2" OR MORE THAN 3/4" IN DIAMETER.
6. TRANSITION CURB SHALL BE PAID AS ROLL-TYPE COMB. CURB AND GUTTER.

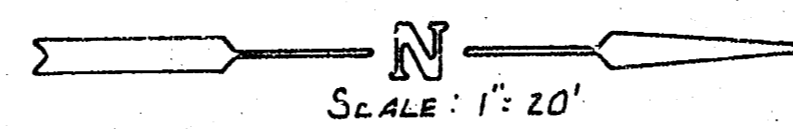
CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS - ENGINEERING

DEAN S. SELLERS - ACTING CITY ENGINEER

DATE: _____ PROJ. No. 472 76 245 80811000 000 001

BM = 187.59 - City Std. W. Parkway 1/2 Mile E. of Rock Rd. On
 13th St. 36' S. & 4' W. of 1/4 Sec. Cor.
 BM = 198.83 - RR Spike N. Co. PP NW Corner 13th & Gatewood.



13th is E Street

Note: Trees to be removed are marked thus except that any tree marked for removal which in the opinion of the Engineer can be saved, shall be spared.

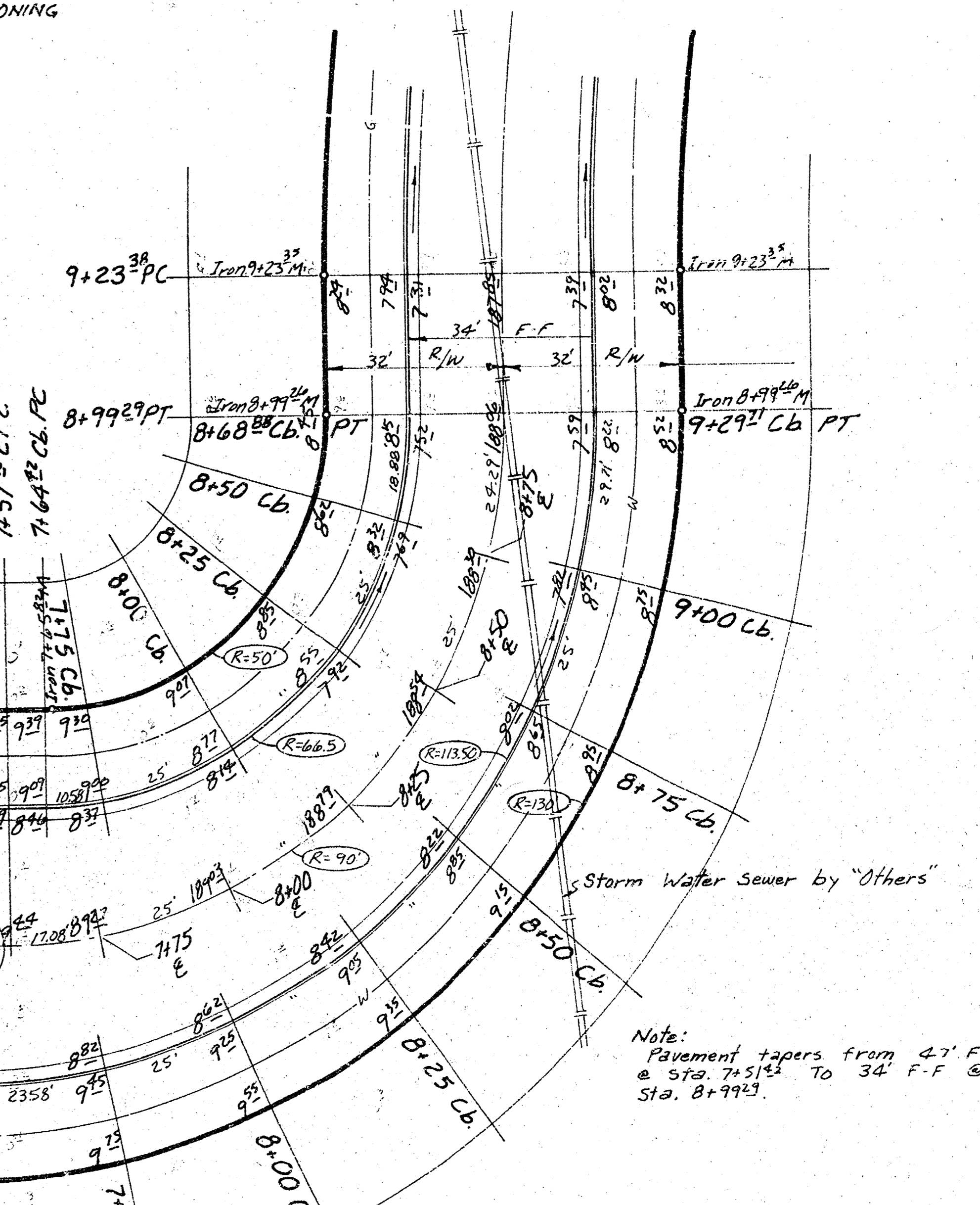
Note: Not more than 53 Twenty ft Drives to be built and charged to this project.

CURVE DATA FOR WEST CURB USING CURB STATIONING

$\Delta = 90^{\circ}00'00''$ T. = 66.50' L. = 104.46' C. = 94.05'

CURVE DATA BASED ON W.Cb. RAD. $\Delta = 45^{\circ}00'00''$

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
7+64 ² PC				0°-00'-00"
7+25	10.58'	9.30'	4°-33'-28"	4°-33'-28"
8+00	25'	21.84'	10°-46'-12"	15°-19'-40"
8+25	25'	21.84'	10°-46'-11"	26°-05'-51"
8+50	25'	21.84'	10°-46'-11"	36°-52'-02"
8+68 ² PT	18.88'	16.55'	8°-01'-58"	45°-00'-00"



GATEWOOD

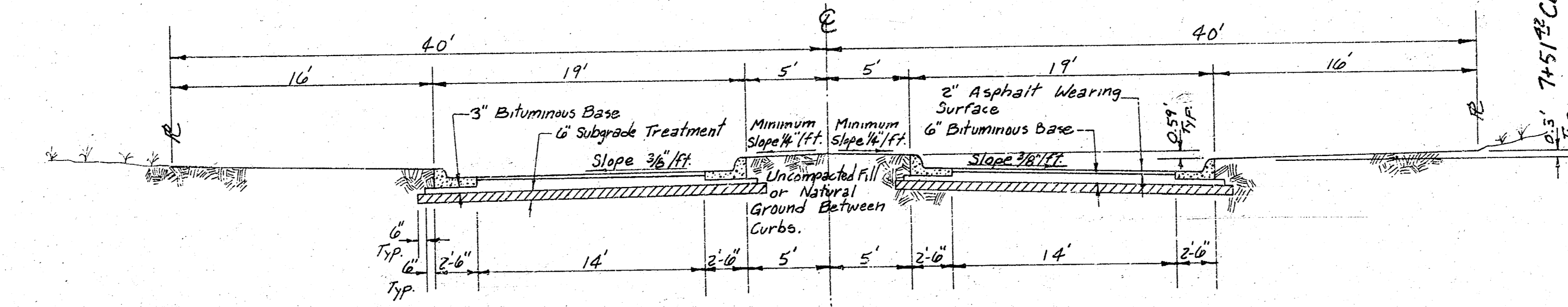
CURVE DATA FOR EAST CURB USING CURB STATIONING

$\Delta = 90^{\circ}00'00''$ T. = 113.50' L. = 178.29' C. = 160.51'

CURVE DATA BASED ON E. Cb. RAD. $\Delta = 45^{\circ}00'00''$

STA.	ARC.	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
7+51 ² PC				0°-00'-00"
7+75	23.58'	25.20'	5°-57'-06"	5°-57'-06"
8+00	25'	26.71'	6°-18'-36"	12°-15'-42"
8+25	25'	26.71'	6°-18'-35"	18°-34'-17"
8+50	25'	26.71'	6°-18'-36"	24°-52'-53"
8+75	25'	26.71'	6°-18'-35"	31°-11'-28"
9+00	25'	26.71'	6°-18'-36"	37°-30'-04"
9+29 ² PT	27.71'	31.71'	7°-27'-50"	45°-00'-00"

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



TYPICAL SECTION STA. 5+15 TO 7+49

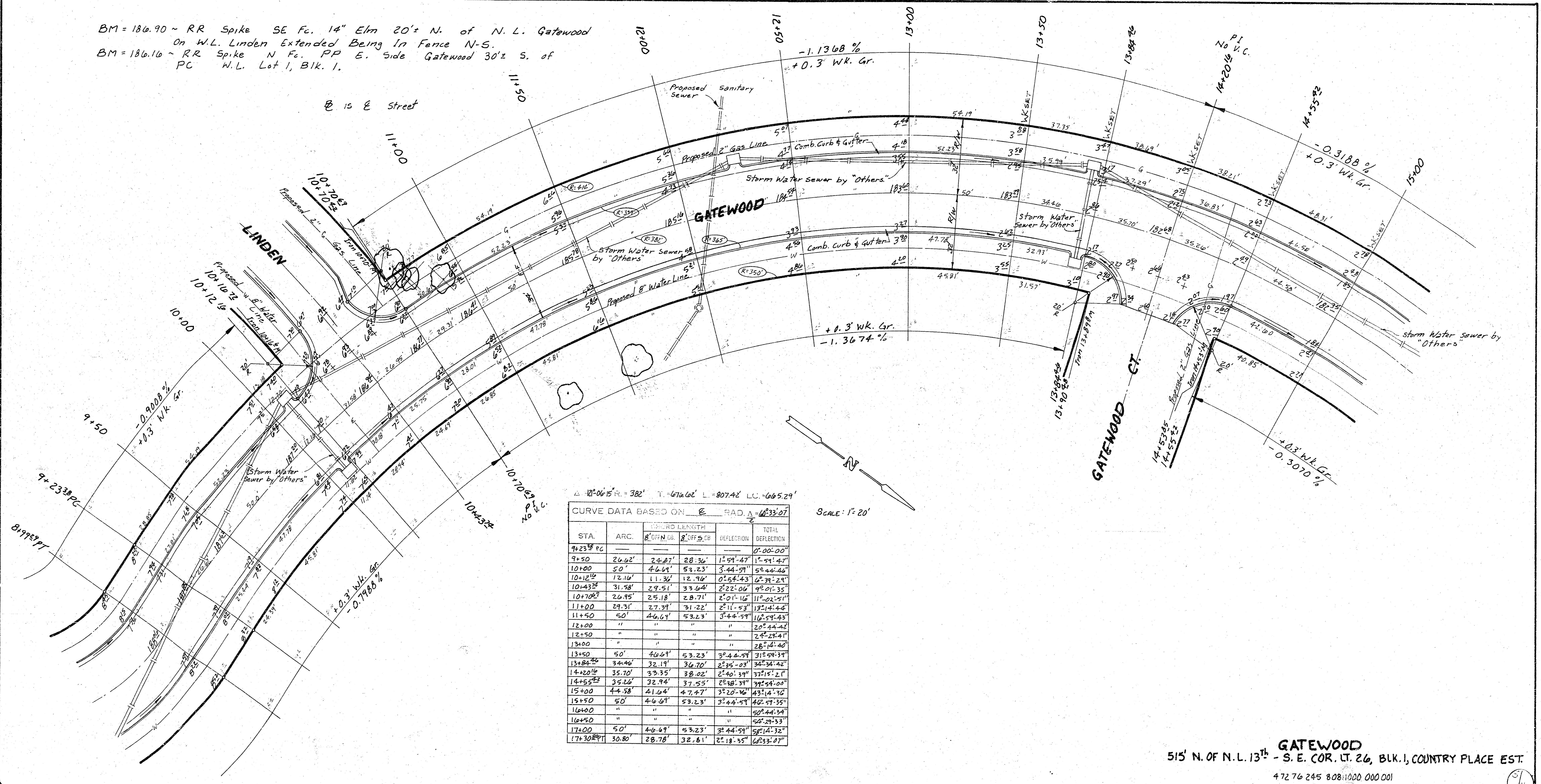
Contractor to co-ordinate work with storm sewer contractors & sanitary sewer contractors.

Contractor to contact utilities to locate any underground lines.

GATEWOOD
 515' N. OF N.L. 13th - S. E. COR. LT. 26, BLK. 1, COUNTRY PLACE EST.
 412 76 245 80811000 000 001

Revised 12-24-99

BM=186.90 ~ RR Spike SE Co. 14" Elm 20'± N. of N.L. Gatewood
 On W.L. Linden Extended Being In Fence N-S.
 BM=186.16 ~ RR Spike N Co. PP E. Side Gatewood 30'± S. of
 PC N.L. Lot 1, Blk. 1.



△ 10°06'15" = 382' T. = 676.66' L. = 807.42' LC. = 665.29'
 CURVE DATA BASED ON E. RAD. Δ = 10°33'07"

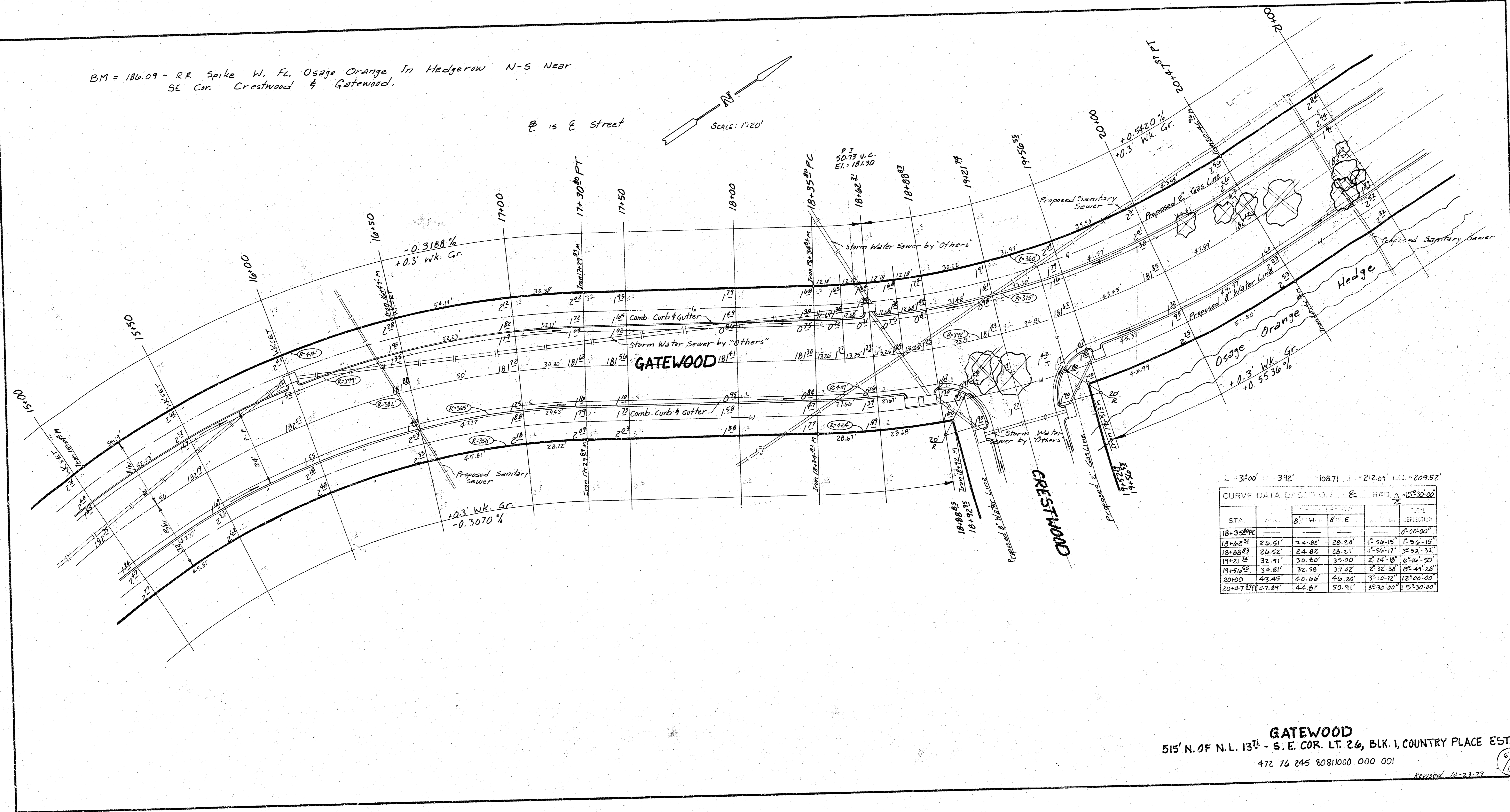
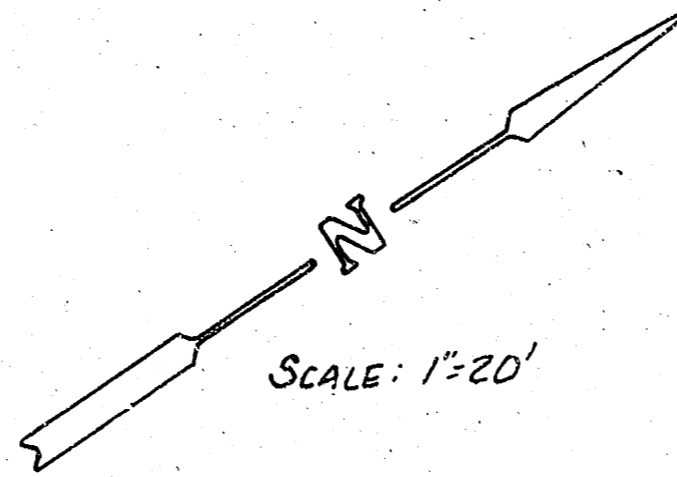
STA.	ARC.	CHORD LENGTH	OFF N. GR.	OFF S. GR.	DEFLECTION	TOTAL DEFLECTION
9+23.87 PC						0°00'00"
9+50	26.62'	24.87'	28.36'	12.94'	15.42'	15.42'
10+00	50'	46.64'	53.23'	3.44'	58.44'	58.44'
10+12.16	12.16'	11.36'	12.76'	0.54'	12.22'	70.66'
10+43.25	31.58'	29.51'	33.64'	2.22'	49.21'	119.87'
10+70.61	26.95'	25.18'	28.71'	2.01'	11.20'	131.07'
11+00	29.31'	27.39'	31.22'	2.11'	12.09'	143.16'
11+50	50'	46.64'	53.23'	3.44'	16.53'	159.69'
12+00	"	"	"	"	"	176.22'
12+50	"	"	"	"	"	192.75'
13+00	"	"	"	"	"	209.28'
13+50	50'	46.64'	53.23'	3.44'	24.97'	234.25'
13+84.60	34.46'	32.19'	36.70'	2.35'	34.34'	268.59'
14+12.16	35.70'	33.35'	38.02'	2.40'	37.51'	306.10'
14+55.25	35.26'	32.94'	37.55'	2.38'	39.54'	345.64'
15+00	44.58'	41.44'	47.47'	3.20'	43.74'	389.38'
15+50	50'	46.64'	53.23'	3.44'	48.18'	437.56'
16+00	"	"	"	"	"	485.74'
16+50	"	"	"	"	"	533.92'
17+00	50'	46.64'	53.23'	3.44'	57.82'	591.74'
17+30.87	30.87'	28.78'	32.81'	2.18'	60.33'	652.07'

SCALE: 1" = 20'

GATEWOOD
 515' N. OF N.L. 13TH - S. E. COR. LT. 26, BLK. 1, COUNTRY PLACE EST.
 47276245 8081000 000001
 Revised 10-23-79

BM = 186.09 ~ RR Spike W. Fc. Osage Orange In Hedgerow N-S Near
SE Cor. Crestwood & Gatewood.

B is E Street



31'00" N 39'2" E 108.71' L 212.09' L C. = 209.52'

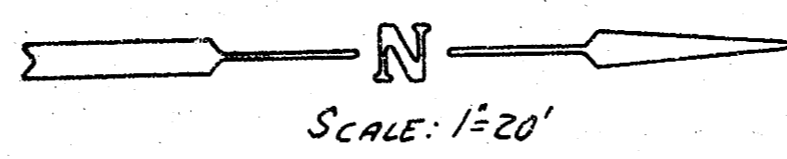
CURVE DATA BASED ON 15°30'00" RAD.

STA.	ARC	B' W	B' E	TOTAL DEFLECTION
18+35.89 PC				0°00'00"
18+62.31	26.51'	24.82'	28.20'	1°50'15"
18+88.83	26.52'	24.82'	28.21'	3°52'32"
19+21.24	32.91'	30.80'	35.00'	6°04'50"
19+56.55	34.81'	32.58'	37.82'	8°49'28"
20+00	43.45'	40.66'	46.22'	12°00'00"
20+47.87	47.87'	44.81'	50.91'	15°30'00"

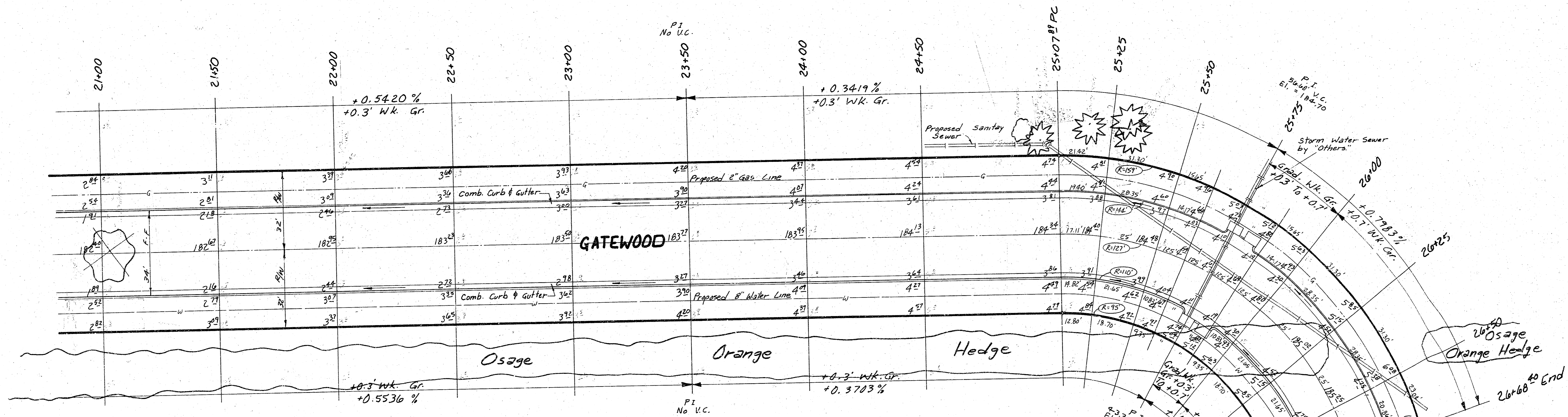
GATEWOOD
515' N. OF N.L. 13TH - S. E. COR. LT. 26, BLK. 1, COUNTRY PLACE EST.
472 76 245 8081000 000 001

Revised 10-23-77

BM = 186.09 - RR Spike W. Fc. Osage Orange In Hedgerow N-S Near SE
 Cor. Crestwood & Gatewood.



is E Street



$\Delta = 72^\circ 24' 30'' = 127'$ $T = 92.97'$ $L = 160.51'$ $LC = 150.04'$
 CURVE DATA BASED ON E RAD $\Delta = 38^\circ 12' 25''$

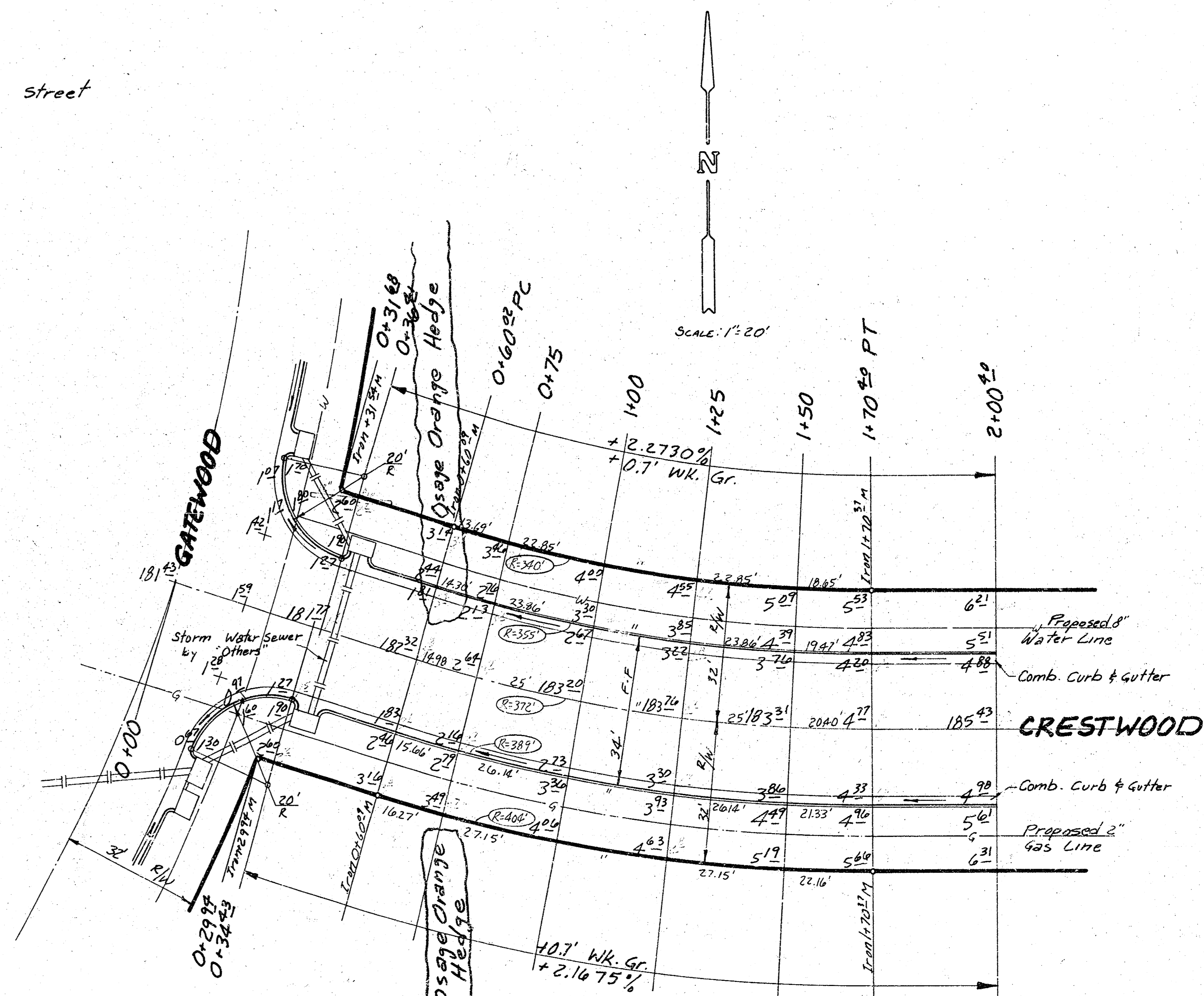
STA	ARC	OFFS. CO.	OFFS. CB	DEFLECTION	TOTAL DEFLECTION
25+07.81 PC					0°-00'-00"
25+25	17.11'	14.14'	20.06'	3°-51'-34"	3°-51'-34"
25+50	25'	20.64'	29.28'	5°-38'-22"	9°-29'-56"
25+75	25'	20.64'	29.28'	5°-38'-22"	15°-08'-18"
26+00	25'	20.64'	29.28'	5°-38'-22"	20°-46'-39"
26+25	25'	20.64'	29.28'	5°-38'-22"	26°-25'-01"
26+50	25'	20.64'	29.28'	5°-38'-22"	32°-03'-23"
26+68.80 PT	18.40'	15.20'	21.57'	4°-09'-02"	36°-12'-25"

GATEWOOD
 515' N. OF N.L. 13th - S.E. COR. LT. 26, BLK. 1, COUNTRY PLACE EST.
 472 76 245 80811000 000 001

Revised 10-24-77

B.M. = 186.09 ~ RR Spike W. Fc. Osage Orange In Hedgerow N-S Near SE
 Corner Crestwood & Gatewood.

E is E street



$\Delta = 17^{\circ}30'00''$ R = 372' T = 55.60' L = 110.38' LC = 109.97'

CURVE DATA BASED ON $\frac{E}{2}$ RAD. $\Delta = 8^{\circ}30'00''$

STA.	ARC.	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		OFF IN FB	OFF IN SB		
0+00 PC					0°00'00"
0+75	14.98'	13.97'	15.99'	1°01'17"	1°01'17"
1+00	25.00'	23.32'	26.68'	1°55'31"	3°04'48"
1+25	25.00'	23.32'	26.68'	1°55'31"	5°00'19"
1+50	25.00'	23.32'	26.68'	1°55'31"	6°55'40"
1+70 PT	20.00'	19.03'	21.77'	1°34'14"	8°30'00"

SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY SOIL FIELD TESTS. SUB-GRADE TREATMENT SHALL BE CONSISTENT WITH TOWN, COUNTY, STATE, AND FEDERAL REQUIREMENTS AND ANY CITY ORDINANCE OF THESE.

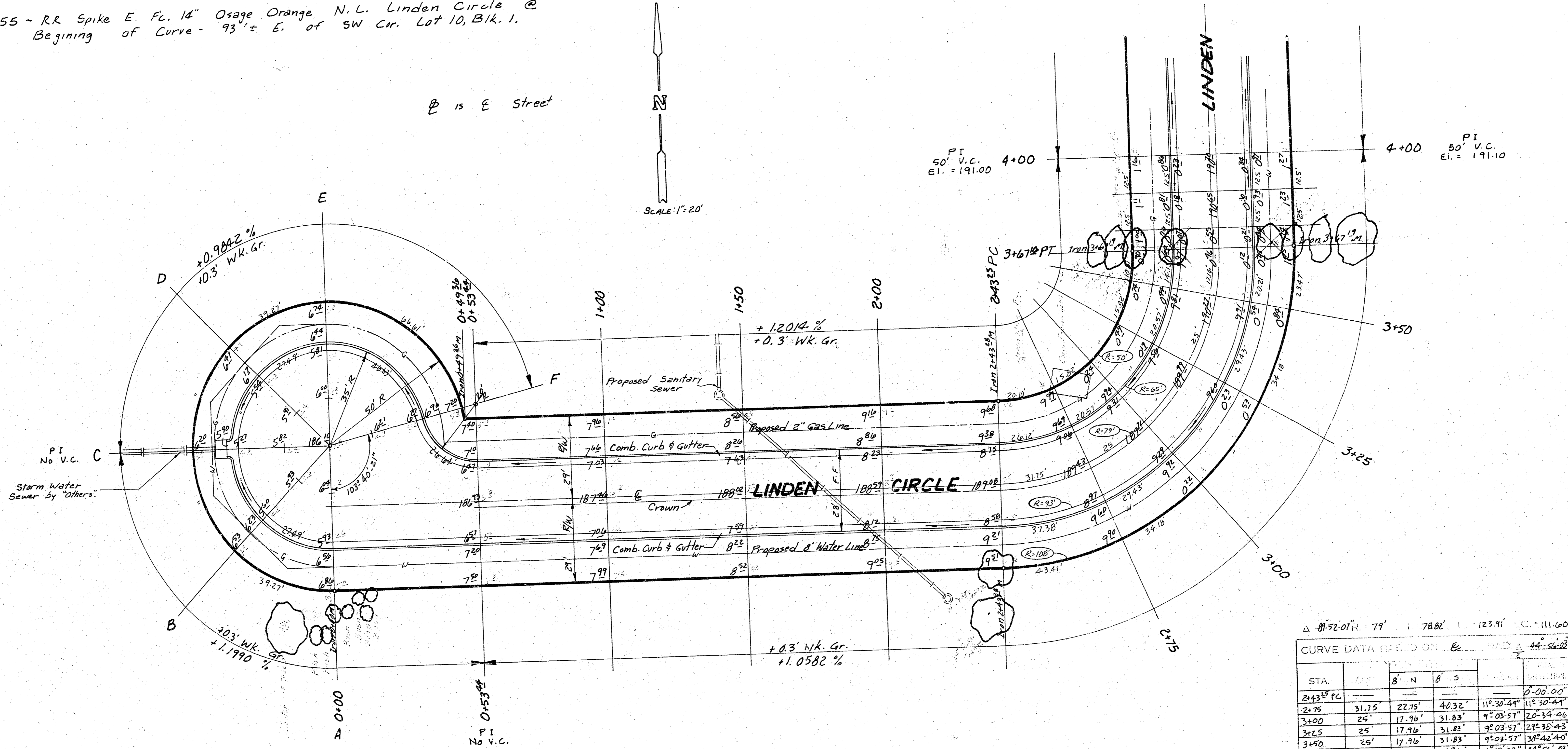
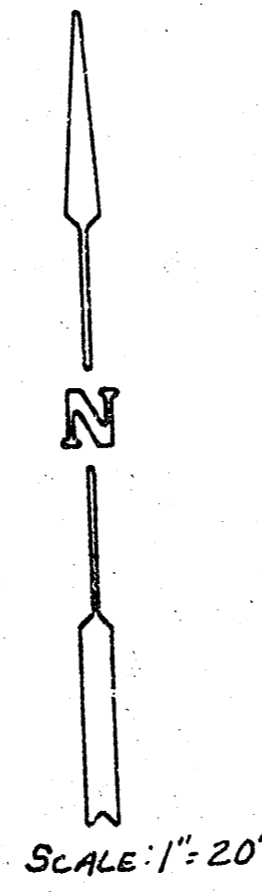
CRESTWOOD
 E. L. GATEWOOD - E. L. LT. 4-1, BLK. 1, COUNTRY PLACE EST.
 472 76 245 80811000 000 001

Revised 10-24-79

8/11

BM = 191.55 ~ RR Spike E. Fl. 14" Osage Orange N.L. Linden Circle @
 Beginning of Curve - 93' ± E. of SW Cor. Lot 10, Blk. 1.

E is E Street



△ 81.52.01 R. 79' L. 178.82' L. 123.91' C.C. 1111.60'

CURVE DATA BASED ON E. PAD Δ 44-516-28

STA.	PC	PT	PI	VC	VC
2+43.5	PC				0+00.00'
2+75	31.75'	22.75'	40.32'	114.30-44'	114.30-44'
3+00	25'	17.96'	31.83'	92.03-57'	20-34.46'
3+25	25'	17.96'	31.83'	92.03-57'	29-36.43'
3+50	25'	17.96'	31.83'	92.03-57'	38-42.40'
3+67.5	PT	17.16'	12.36'	21.91'	643-23' 442-80'-03'

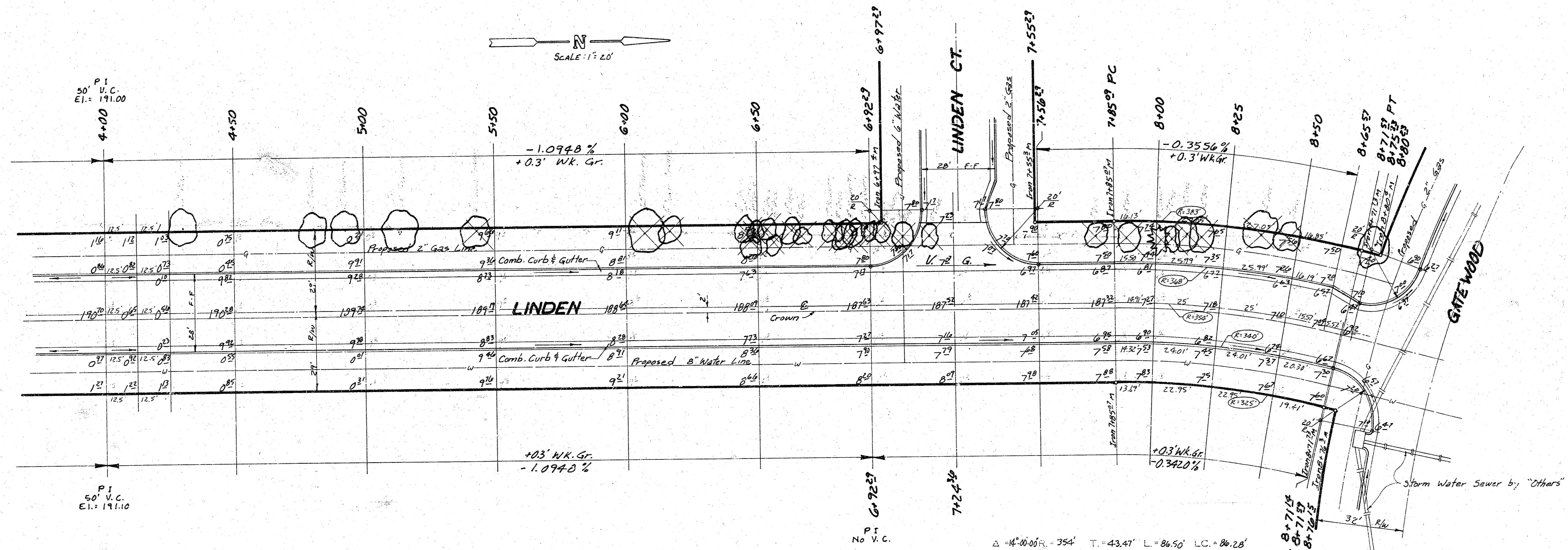
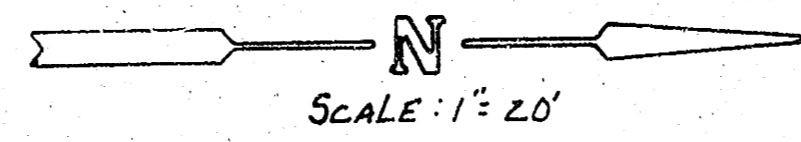
SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY LICENSED ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

LINDEN CIRCLE & LINDEN
 S.L. GATEWOOD TO & INCL. CUL. DE SAC
 472 76 245 20811000 000 001

9/10

BM= 136.90 - RR Spike SE Ft. 14" Elm 20'± N. OF N.L. Gatewood
 ON W.L. Linden Extended Being In Fence N-S.

is E Street



Δ = 14°00'00" R = 354' T = 43.47' L = 86.50' LC = 86.28'

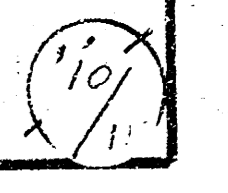
CURVE DATA BASED ON E. RAD. Δ = 7°00'00"

STA	8' E	8' W	TOTAL DISTANCE
7+85 PC			0°00'00"
8+00	14.91'	13.98'	12°25'24"
8+25	25	23.44'	25°01'23"
8+50	25	23.44'	25°01'23"
8+65 PT	15.97'	16.54'	28°30'47"
8+75 PT	21.97'	20.25'	32°00'00"

W. only
E. only

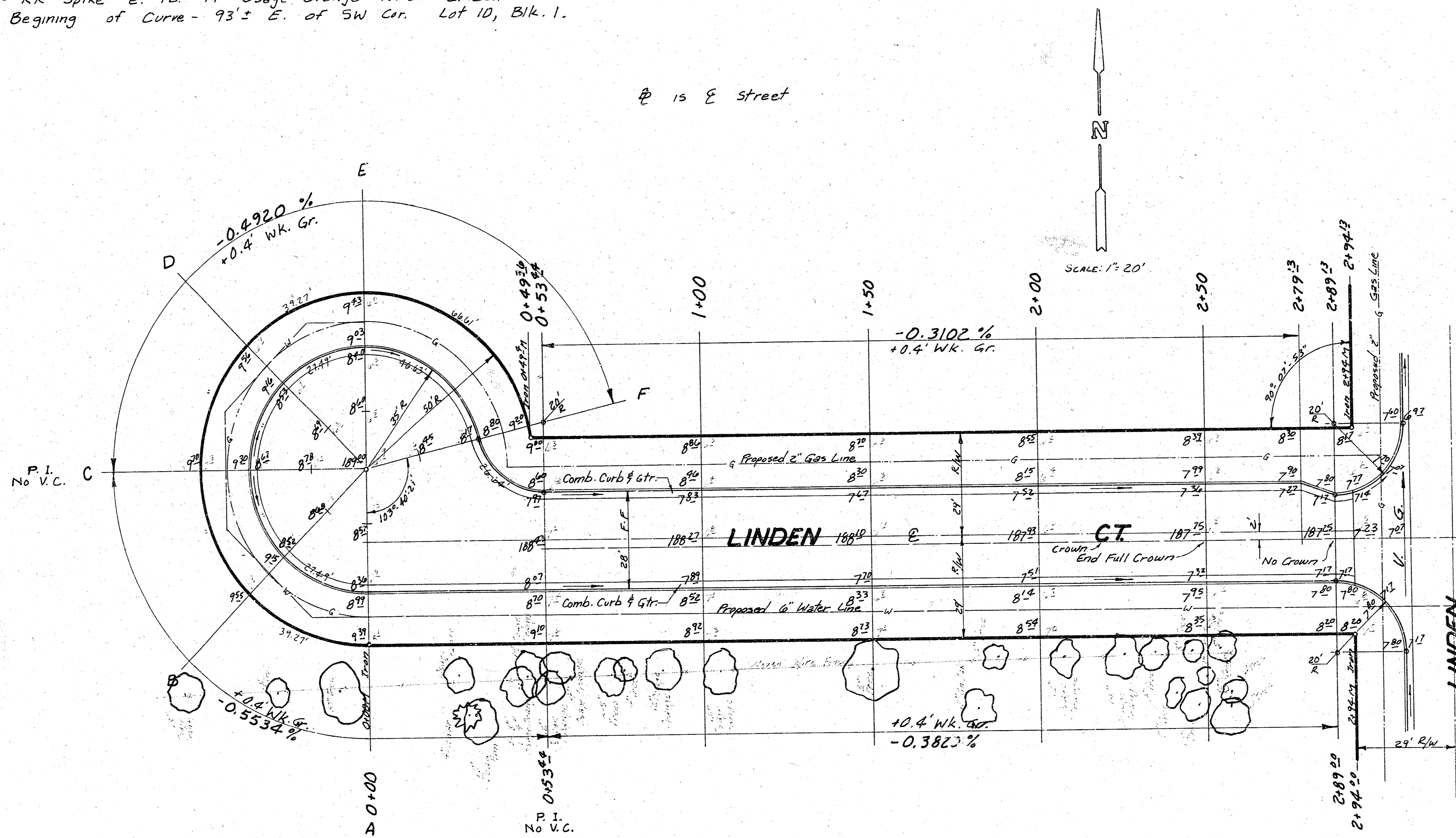
LINDEN CIRCLE & LINDEN
 S.L. GATEWOOD TO & INCLD. CUL. DE. SAC

472 76 245 80 811000 000 001
 Revised 10-25-77



BM = 191.55 ~ RR Spike E. Fr. 14" Osage Orange N.L. Linden Circle @
 Beginning of Curve - 93'± E. of SW Cor. Lot 10, Blk. 1.

± 15 E Street



NOTE: TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE DESIGNER. SUB-GRADE TREATMENT SHALL CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

LINDEN COURT
 W. L. LINDEN TO ± INCL. CUL-DE-SAC
 472-76-245-80811-000-000-001