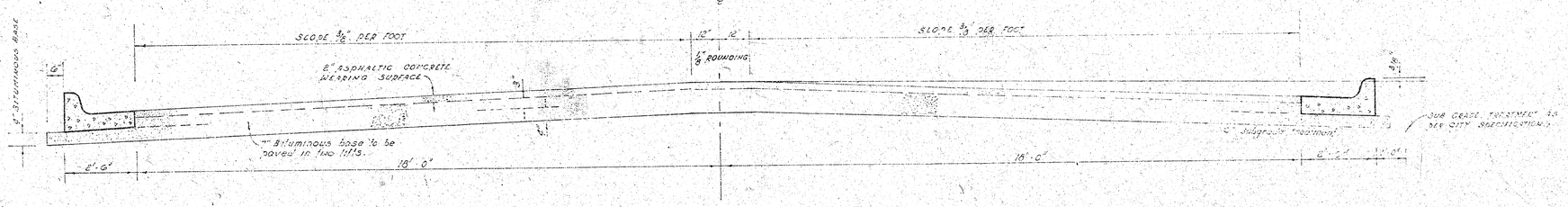
SHADE LANE
E.L. RIDGE ROAD TO S.L. WAYSIDE LANE
AND
PAR LANE
S.L. SHADE LANE TO S.L. SHADE LANE



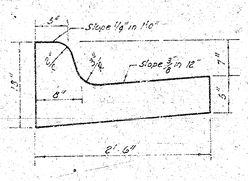
TYPICAL SECTION

41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

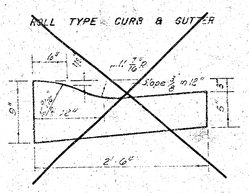
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

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 SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

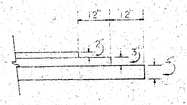
COMBINED CURB & GUTTER



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.

The A.C. pavement between the comb curb & gutter shall be paid as sq yds 9" A.C. pavement (7" Bituminous Base). The Bituminous Base under the comb curb & gutter shall be paid as sq yds 9" Bituminous Base.

R. W. LINN LICENSED ENGINEER 3594 KANSAS

1/25

CITY OF WICHITA, KANSAS

DEPARTMENT of PUBLIC WORKS - Engineering Division.

R. W. LINN CITY ENGINEER

DATE MAY, 1976 Proj No. DAKS 575008

10

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B.M. 1149.96 Dry Stone N.W. Cor. Ridge Road & 21st St., 39.5' W. & 48.0' N.
B.M. 1122.92 60d Nail, N. face 4 in. 2, brim, West H.L. 2.0' 3. East of Winterset Lane & Wayside Lane

Stationing on ℄ of Pvt.

Grade ditch to drain water North

Scale: 1"=20'

+0.3028 %

Wk. 0.6' | Grad. Wk. 0.6' to 0.4' | Wk. 0.4'

Asph. Hookup. Warp edge to drain gtr. Both sides of street.

0+50 0+65.8 1+00 P 0+99.93 M 1+50 2+00 2+40 P 2+39.49 M 2+50 3+00 3+40 P 3+39.48 M 3+50 4+00 4+50 5+07.22 P 5+06.69 M 5+25 5+50 5+75 6+00

ROAD

Remove exist. 24" CMP and replace to new elevs shown. Excav. and compacted fill reqd to be incidental to removing and replacing pipe.

New Flo. 192.40

Match exist. Asph. pvt.

6" Asph. Hookup

Iron

Proposed 4" Wk

SHADE

LANE

R/W

Proposed 12" Water Line

Iron

+0.2957 %

Wk. 0.6' | Grad. Wk. 0.6' to 0.4' | Wk. 0.4'

℄ RIDGE

1+00 P 1+00.32 M

Contractor to contact owner of sign for sign removal at owners expense.

2+10 P 2+09.24 M

3+10 P 3+10.30 M

5+06.50 P 5+06.69 M

NOTE - Pavement Contractor & Sewer Contractor to coordinate their work on this project.

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and other lightenway for proposed sidewalk. Compact fill in sidewalk area SO AS CONSTRUCTED BY HIGHWAY.

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

EARTHWORK - TOTAL

PROPERTY	Excavation	Compacted Fill
Shade	8079.7 Cu. Yd.	2007.6 Cu. Yd.
Par	9778.1 Cu. Yd.	11.5 Cu. Yd.
	17,857.8 Cu. Yd.	2019.3 Cu. Yd.
+10%	1785.8 Cu. Yd.	201.9 Cu. Yd.
Total	19,643.6 Cu. Yd.	2221.2 Cu. Yd.

CITY	Excavation	Compacted Fill
Shade	612.1 Cu. Yd.	0.0
Par	0.0	0.0
	612.1 Cu. Yd.	0.0
+10%	61.2 Cu. Yd.	
Total	673.3 Cu. Yd.	

Total Manipulation
Shade 12,380.8 + Par 7914.6 = 20,295.4 Sq. Yd.

NOTE: Excess dirt to be used as required for fill on Winterset Lane & Wayside Lane.

2/25

SHADE LANE

E. L. RIDGE ROAD TO S. L. WAYSIDE LANE

36-2-40 ASPH. CONC. WITH COMB. C.B. & GTR.

CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

MAY 1970
DATE PROJ. NO. DAKS 575008

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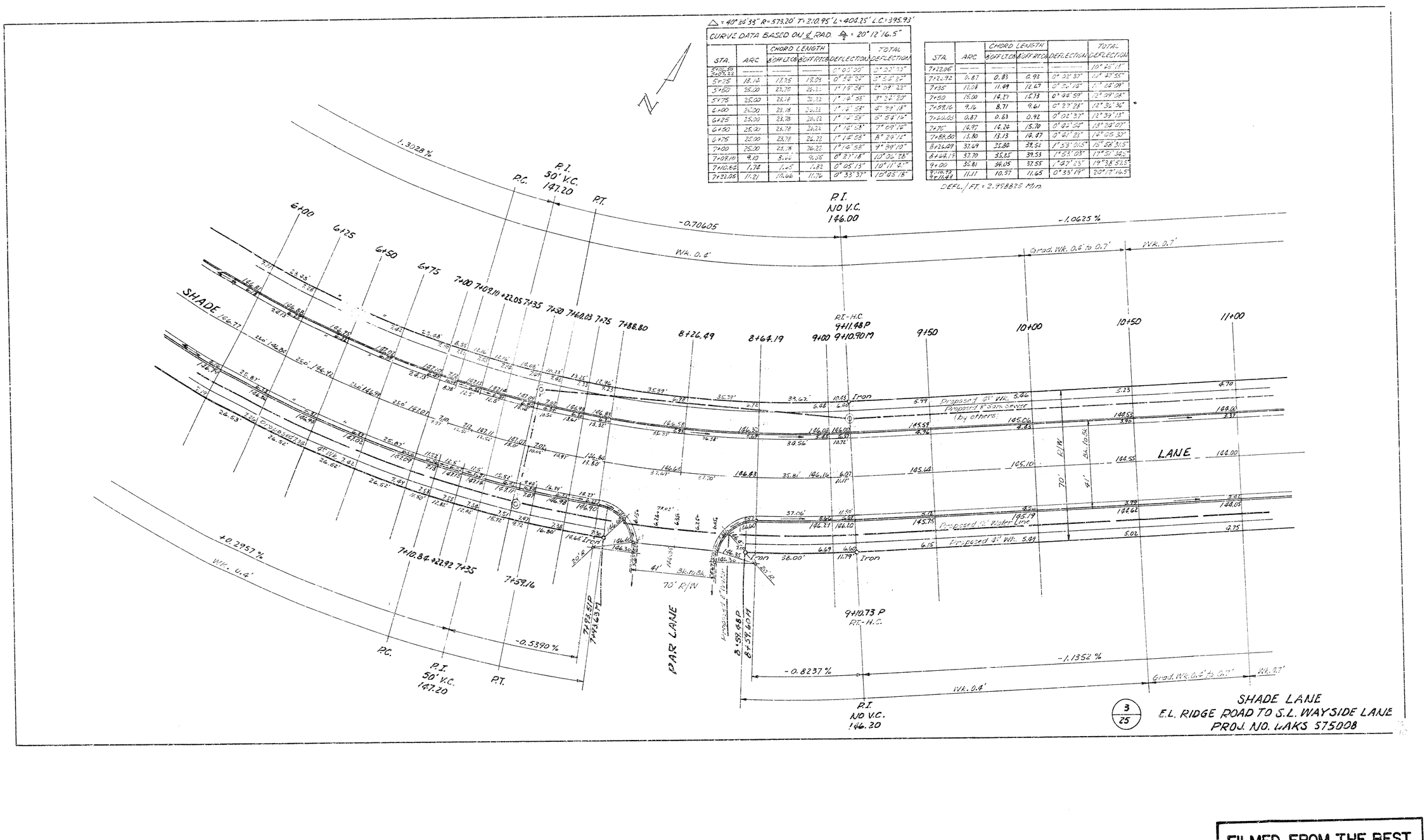
Δ = 40°28'33" R=573.20' T=210.95' L=404.25' L.C.=395.93'

CURVE DATA BASED ON ℄ RAD. ⅁ = 20°12'16.5"

STA.	ARC	CHORD LENGTH 8' OFF LT. CB	CHORD LENGTH 8' OFF RT. CB	DEFLECTION	TOTAL DEFLECTION
5+07.49	———	———	———	0° 03' 20"	0° 33' 37"
5+25.32					
5+75	18.14	17.75	19.03	0° 59' 24"	1° 33' 01"
5+50	25.00	23.70	26.11	1° 19' 56"	2° 09' 22"
5+75	25.00	23.18	26.22	1° 19' 56"	3° 29' 20"
6+00	25.00	23.18	26.22	1° 19' 56"	4° 49' 18"
6+25	25.00	23.78	26.22	1° 19' 56"	6° 09' 16"
6+50	25.00	23.78	26.22	1° 19' 56"	7° 29' 12"
6+75	25.00	23.78	26.22	1° 19' 56"	8° 49' 10"
7+00	25.00	23.78	26.22	1° 19' 56"	10° 09' 08"
7+09.11	9.10	8.66	9.55	0° 27' 18"	10° 36' 26"
7+10.62	1.74	1.65	1.82	0° 05' 13"	10° 41' 39"
7+22.06	11.21	10.66	11.76	0° 33' 37"	10° 45' 16"

STA.	ARC	CHORD LENGTH 8' OFF LT. CB	CHORD LENGTH 8' OFF RT. CB	DEFLECTION	TOTAL DEFLECTION
7+22.06	———	———	———	———	10° 45' 16"
7+22.92	0.87	0.83	0.92	0° 02' 37"	10° 47' 55"
7+35	12.08	11.49	12.67	0° 36' 18"	11° 24' 09"
7+50	15.00	14.27	15.73	0° 45' 59"	12° 09' 08"
7+59.16	9.16	8.71	9.61	0° 27' 28"	12° 36' 36"
7+60.03	0.87	0.83	0.92	0° 02' 37"	12° 39' 13"
7+75	14.97	14.24	15.70	0° 45' 59"	13° 24' 07"
7+88.80	13.80	13.13	14.47	0° 41' 23"	14° 05' 30"
8+26.49	37.69	35.82	39.52	1° 53' 01.5"	15° 58' 31.5"
8+64.19	37.70	35.85	39.53	1° 53' 03"	17° 51' 34.5"
9+00	35.81	34.05	37.55	1° 47' 25"	19° 38' 59.5"
9+10.73 & 9+11.48	11.11	10.57	11.65	0° 33' 19"	20° 12' 16.5"

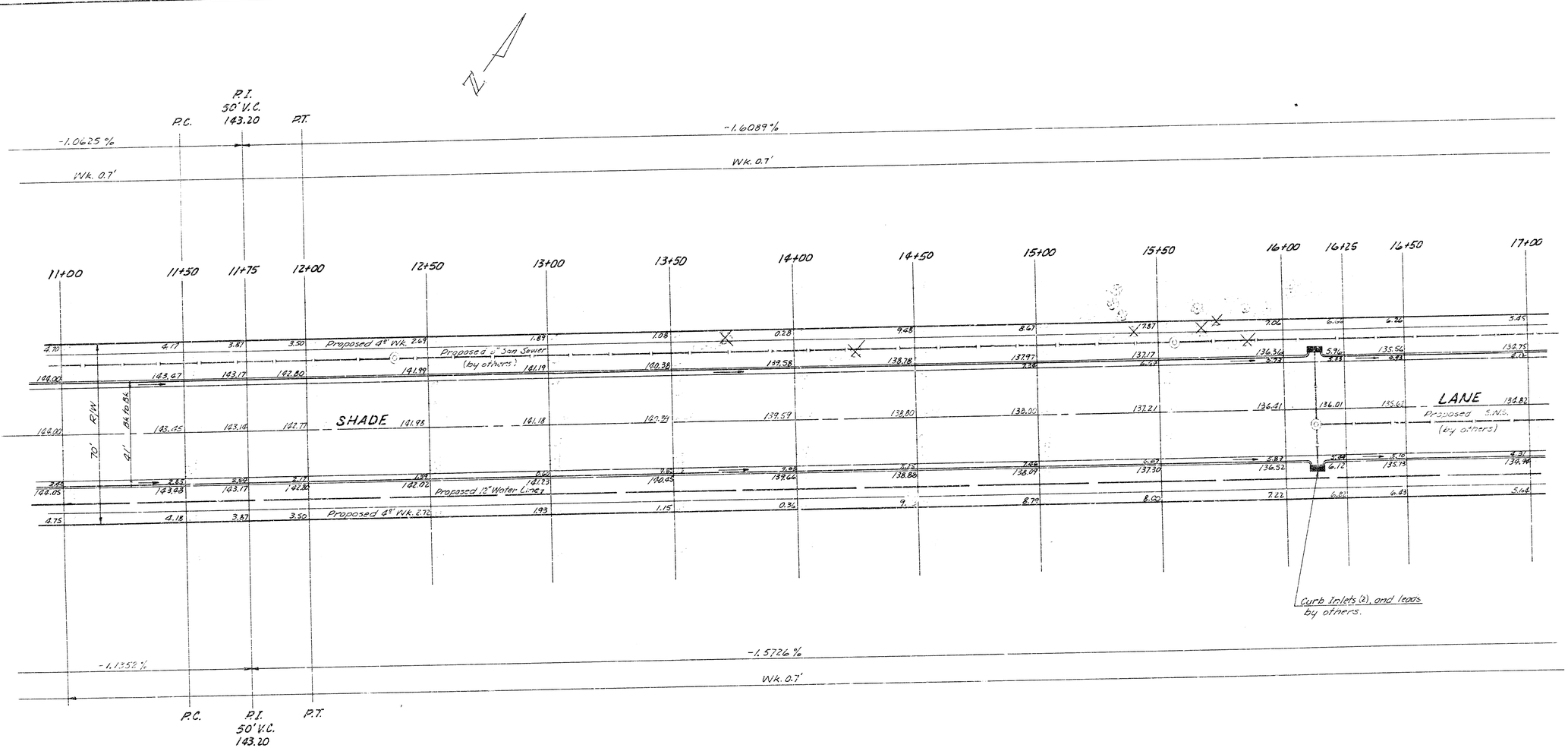
DEFL./FT. = 2.998825 Min.



3/25

SHADE LANE
E.L. RIDGE ROAD TO S.L. WAYSIDE LANE
PROJ. NO. LAKS 575008

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4/25

SHADE LANE
E.L. RIDGE ROAD TO S.L. WAYSIDE LANE
PROJ. NO. OAKS 575008

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△ = 28°30'00" R=395.13' T=100.35' L=196.55' L.C.=194.53'

CURVE DATA BASED ON 6° RAD. ℄ = 14°15'00"

STA.	ARC	CHORD LENGTH 8 OFF ST. 6	CHORD LENGTH 8 OFF ST. 8	DEFLECTION	TOTAL DEFLECTION
18+38.94				0°00'00"	0°00'00"
18+85.78					
19+35.77	96.19	33.98	38.52	2°36'33"	2°36'33"
19+53	24.23	12.51	25.92	1°45'24"	4°21'57"
19+75	25.00	23.72	26.77	1°48'45"	6°10'42"
20+00	25.00	23.72	26.77	1°48'45"	7°59'27"
20+25	25.00	23.22	26.77	1°48'45"	9°48'12"
20+50	25.00	23.22	26.77	1°48'45"	11°36'57"
20+75	25.00	23.22	26.77	1°48'45"	13°25'42"
20+86.03 P.O.T.P.C.	10.96	10.17	11.72	0°47'36"	14°13'18"
20+86.33	0.39	0.36	0.42	0°01'42"	14°15'00"

DEFL./FT. = 8.700376 Min.

P.I. N0 V.C. 131.70

P.I. N0 V.C. 129.60

P.I. N0 V.C. 129.80

-1.6089 %

-1.1791 %

-0.6789 %

-1.5726 %

-1.1915 %

-0.7793 %

Wk. 0.7'

Grad. Wk. 0.7' to 0.4'

Grad. Wk. 0.4' to 0.7'

Grad. Wk. from gh. shown to 0.7'

Wk. 0.4'

Wk. 0.5'

RC-H.C. 18+89.78 P 18+89.40 M

RC-H.C. 20+86.33 P 20+85.89 M

RC-H.C. 20+85.54 P 20+85.89 M

17+00 17+50 18+00 18+49.03 19+25.77 19+50 19+75 20+00 20+25 20+50 +75 21+00 21+50 22+00 22+50

SHADE

Proposed S.W.S. (by others)

Proposed 8" San. Sewer (by others)

Proposed 15" Water Main

Proposed 4" Wk.

Proposed 6" Conc. - 3" Base

4% Crown

61' Rk to Rk

72' R/W

LANE

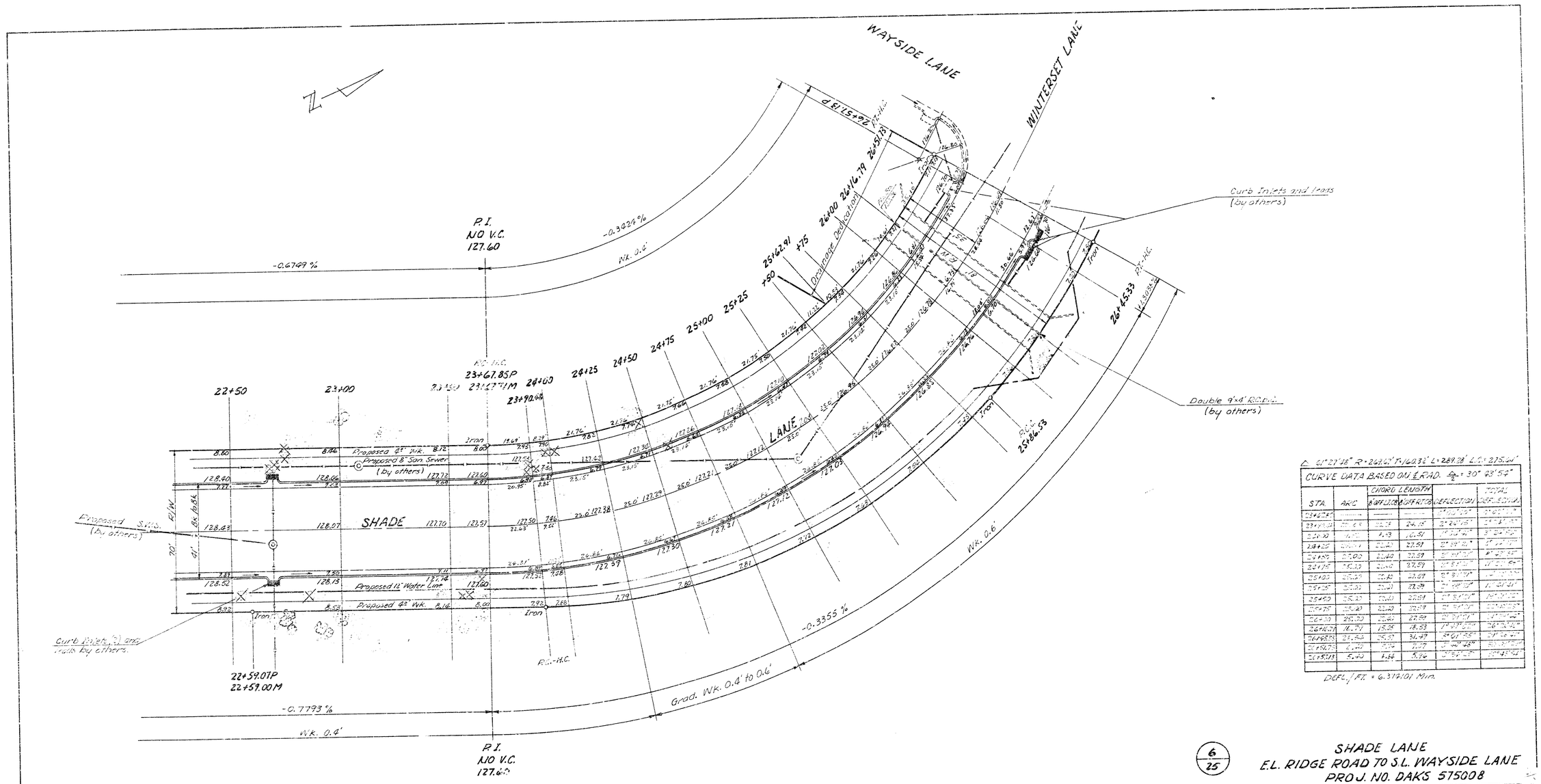
PAR LANE

Iron

5/25

SHADE LANE
E.L. RIDGE ROAD TO S.L. WAYSIDE LANE
PROJ. NO. DAKS 575008

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Δ 61°27'38" R=264.01' T=160.32' L=283.28' L.C.=270.04'

CURVE DATA BASED ON E.R.AD. $\frac{D}{2}$ = 30° 23' 54"

STA.	ARC	CHORD LENGTH & BRG.	& OFFSET	TOTAL DEFLECTION	TOTAL DEFL. FROM P.C.
25+62.91				17°44'15"	17°44'15"
25+75	12.09	12.09	0.18	2°04'15"	19°48'30"
26+00	25.00	24.98	1.56	4°17'30"	24°06'00"
26+16.79	16.79	16.77	0.70	2°52'45"	26°58'45"
26+25	8.21	8.20	0.17	1°24'15"	28°23'00"
26+50	25.00	24.98	1.56	4°17'30"	32°40'30"
26+51.13	1.13	1.13	0.01	0°11'37"	32°52'07"

DEFL./FT. = 6.317101 Min.

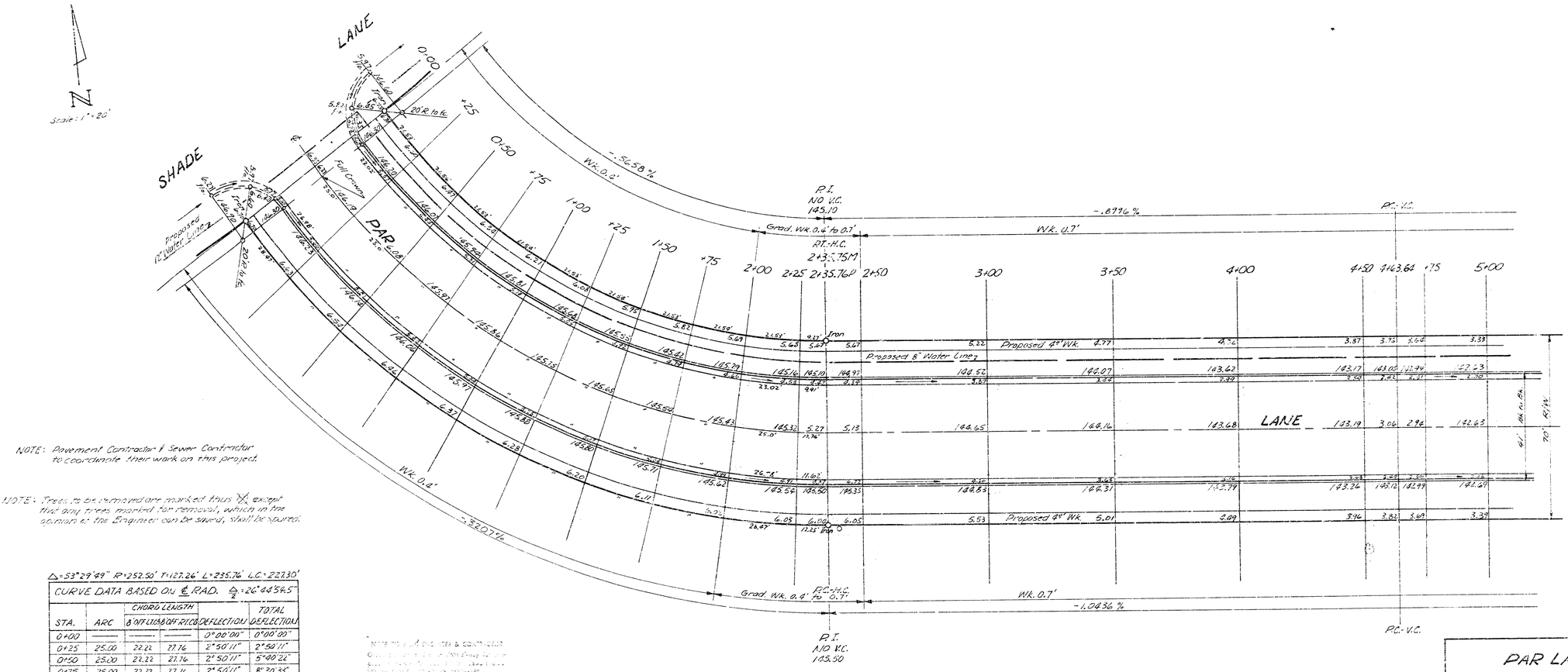
6/25

SHADE LANE
E.L. RIDGE ROAD TO S.L. WAYSIDE LANE
PROJ. NO. DAKS 575008

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B.M. 146.76 City Std. N.W. Cor. Ridge Road & 2nd St., 33.5' N. & 48.0' W. of ℄ Ridge Rd & 2nd St.
B.M. 122.12 "60 Nail" in W. face H.L.P., being W. H.L.P. of 3, East of Wayside & Winterset

Base line for stationing is on the ℄ of Par Lane



NOTE: Pavement Contractor & Sewer Contractor to coordinate their work on this project.

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

Δ=53°29'49" R=252.50' T=127.26' L=235.76' L.C.=227.30'

CURVE DATA BASED ON ℄ RAD. Δ/2=26°44'54.5"

STA.	ARC	CHORD LENGTH ℄ OFF	CHORD LENGTH R.O.S. OFF	DEFLECTION	TOTAL DEFLECTION
0+00	———	———	———	0°00'00"	0°00'00"
0+25	25.00	22.22	22.76	2°50'11"	2°50'11"
0+50	25.00	22.22	22.76	2°50'11"	5°40'22"
0+75	25.00	22.22	22.76	2°50'11"	8°30'33"
1+00	25.00	22.22	22.76	2°50'11"	11°20'44"
1+25	25.00	22.22	22.76	2°50'11"	14°10'55"
1+50	25.00	22.22	22.76	2°50'11"	17°01'06"
1+75	25.00	22.22	22.76	2°50'11"	19°51'11"
2+00	25.00	22.22	22.76	2°50'11"	22°41'28"
2+25	25.00	22.22	22.76	2°50'11"	25°31'39"
2+35.76	10.76	9.57	11.95	1°13'15"	26°44'54"

DEFL./FT. = 6.80134'/MIN.

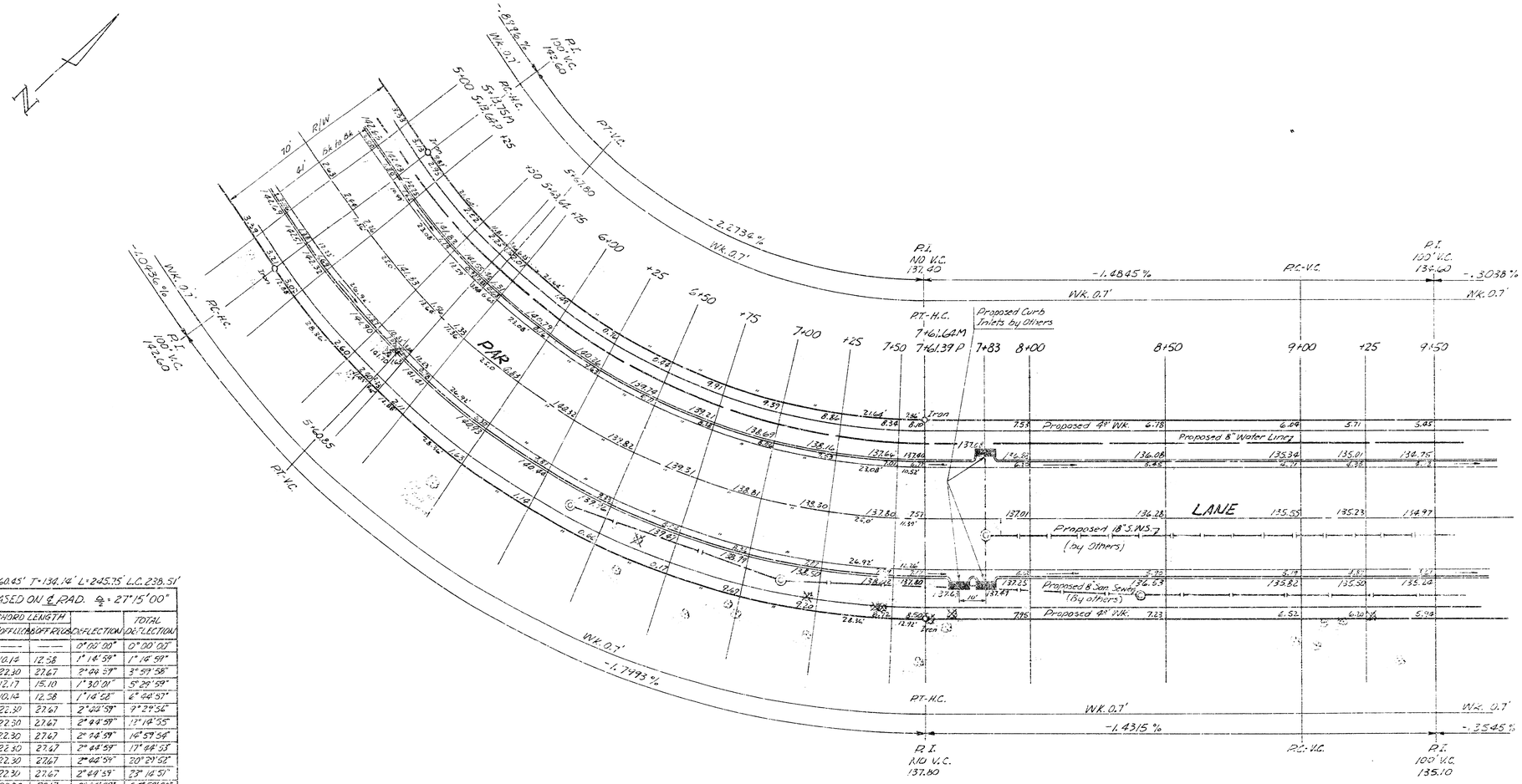
SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY [illegible] CEMENT TREATMENT, SUB-CUTTING, [illegible] TION, OR ANY COMBINATION OF THESE.

PAR LANE
S.L. SHADE LANE TO S.L. SHADE LANE
36-2-40 ASPH. CONC.
WITH COMB. C.B. & GTR.
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
DATE 1/27/76 PROJ. NO. DAKS 575.001

7/25

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△ = 54°30'00" R = 260.45' T = 134.14' L = 245.75' L.C. 238.51'

CURVE DATA BASED ON ℄ RAD. ℄ = 27°15'00"

STA.	ARC	CHORD LENGTH 80' FULL	CHORD LENGTH 80' OFF PLUS	DEFLECTION	TOTAL DEFLECTION
5+13.66	——	——	——	0°00'00"	0°00'00"
5+25	11.36	10.14	12.58	1°14'59"	1°14'59"
5+50	25.00	22.30	27.67	2°44'59"	3°59'58"
5+63.64	13.64	12.17	15.10	1°30'01"	5°29'59"
5+75	11.36	10.14	12.58	1°14'58"	6°44'57"
6+00	25.00	22.30	27.67	2°44'59"	9°29'56"
6+25	25.00	22.30	27.67	2°44'59"	12°14'55"
6+50	25.00	22.30	27.67	2°44'59"	14°59'54"
6+75	25.00	22.30	27.67	2°44'59"	17°44'53"
7+00	25.00	22.30	27.67	2°44'59"	20°29'52"
7+25	25.00	22.30	27.67	2°44'59"	23°14'51"
7+50	25.00	22.30	27.67	2°44'59"	25°59'50"
7+61.39	11.39	10.16	12.61	1°15'10"	27°15'00"

DEFL./FT. = 6.653103 MIN.

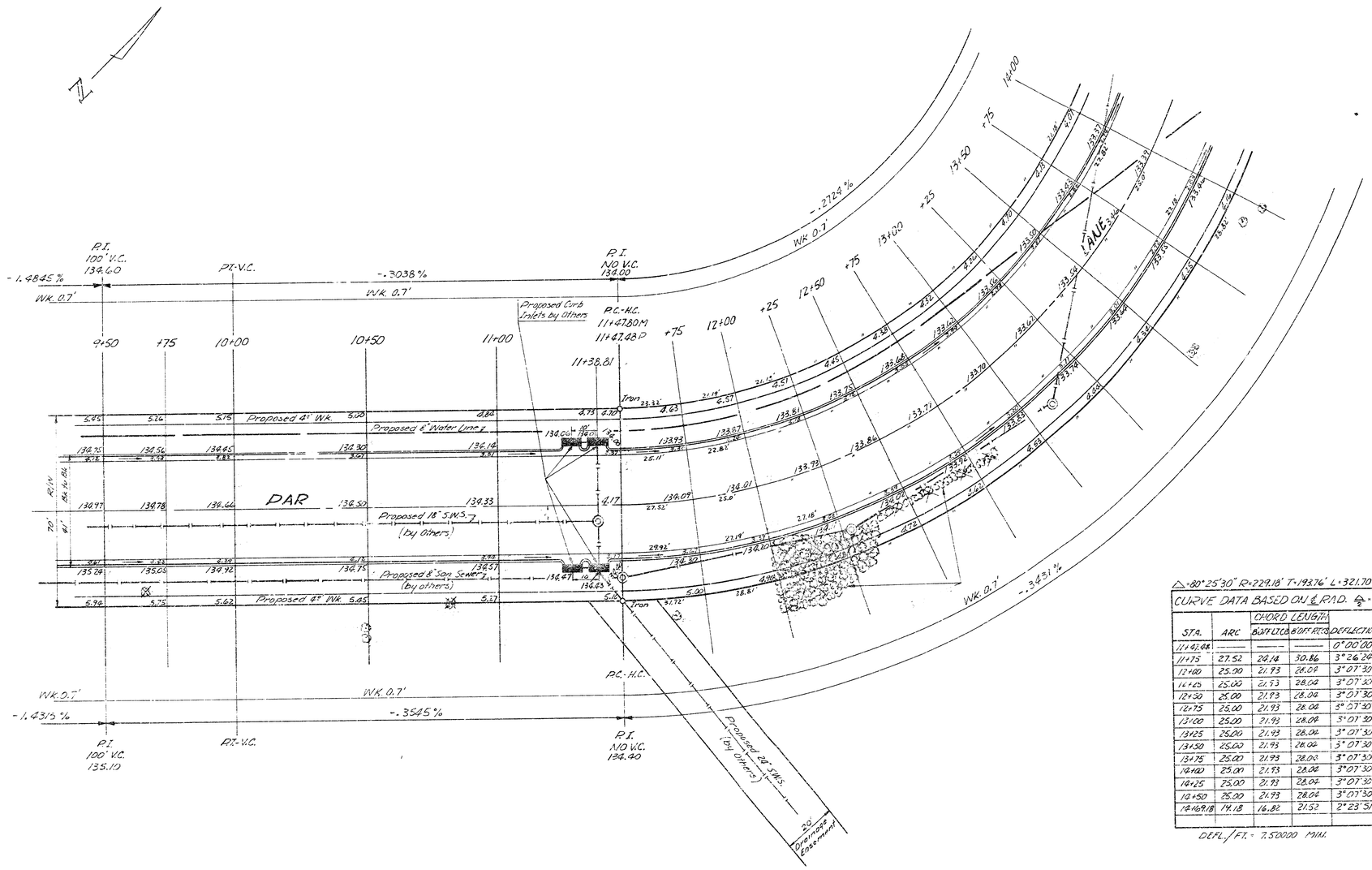
PAR LANE

S.L. SHADE LANE TO S.L. SHADE LANE

PROJ. NO. DAKS 575008

8/25

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Δ=80°25'30" R=229.18' T=193.76' L=321.70' L.C.=295.93'

CURVE DATA BASED ON ℄ RAD. ⅄/2 = 10°12'45"					
STA.	ARC	CHORD LENGTH BOT. FLTG.	CHORD LENGTH B.O.F.F. RTG.	DEFLECTION	TOTAL DEFLECTION
11+47.48	———	———	———	0°00'00"	0°00'00"
11+75	27.52	26.14	30.86	3°26'26"	3°26'26"
12+00	25.00	21.93	28.09	3°07'30"	6°33'56"
12+25	25.00	21.93	28.04	3°07'30"	9°41'26"
12+50	25.00	21.93	28.04	3°07'30"	12°48'56"
12+75	25.00	21.93	28.04	3°07'30"	15°56'26"
13+00	25.00	21.93	28.09	3°07'30"	19°33'56"
13+25	25.00	21.93	28.04	3°07'30"	22°41'26"
13+50	25.00	21.93	28.04	3°07'30"	25°48'56"
13+75	25.00	21.93	28.04	3°07'30"	28°56'26"
14+00	25.00	21.93	28.04	3°07'30"	31°33'56"
14+25	25.00	21.93	28.04	3°07'30"	34°41'26"
12+50	25.00	21.93	28.04	3°07'30"	37°48'56"
14+69.18	19.18	16.82	21.53	2°23'51"	40°12'45"

DEFL./FT. = 7.50000 MIN.

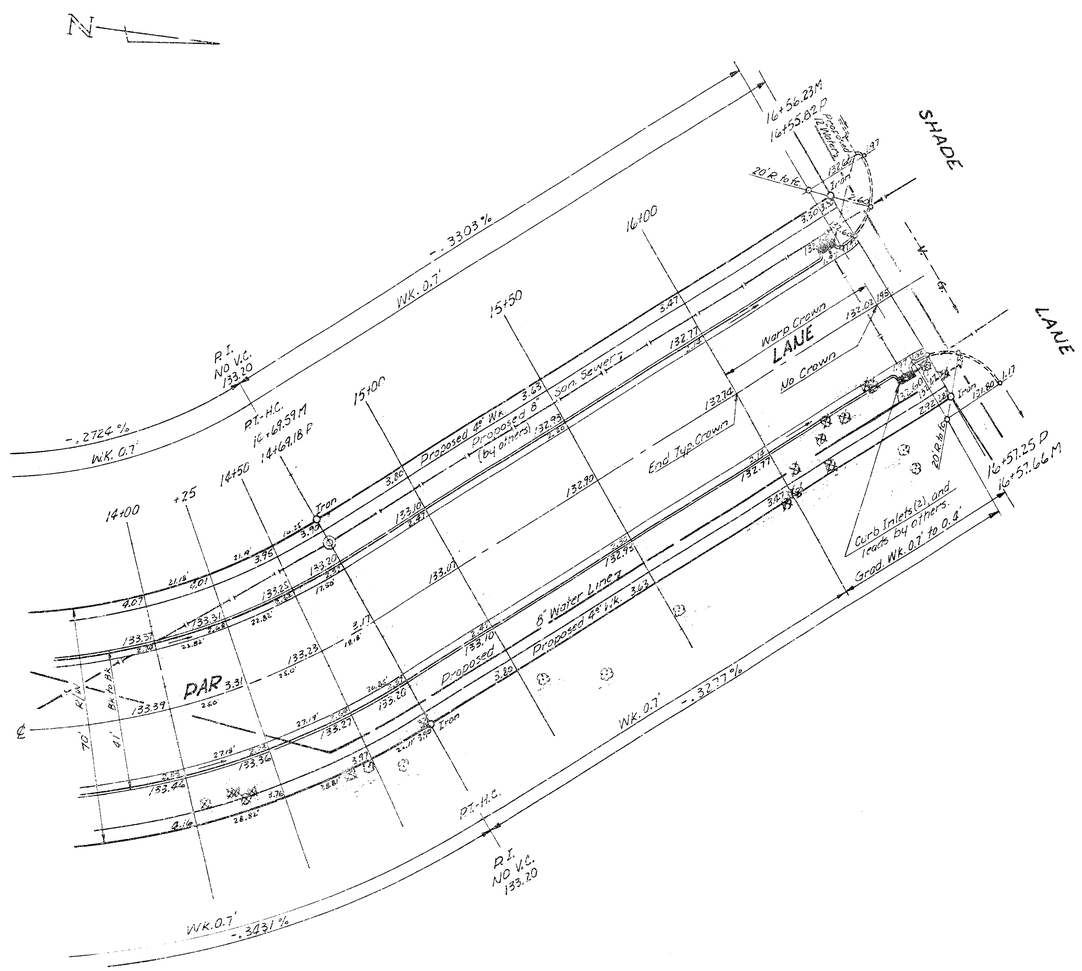
PAR LANE

S.L. SHADE LANE TO S.L. SHADE LANE

PROJ. NO. DAKS 575008

9/25

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PAR LANE

S.L. SHADE LANE TO S.L. SHADE LANE

PROJ. NO. DAKS 575008

10/25

FILMED FROM THE BEST AVAILABLE COPY