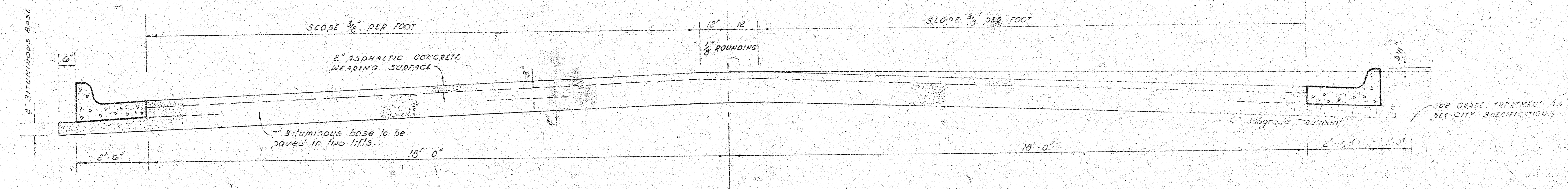


**SHADE LANE
E.L. RIDGE ROAD TO S.L. WAYSIDE LANE
AND
PAR LANE
S.L. SHADE LANE TO S.L. SHADE LANE**

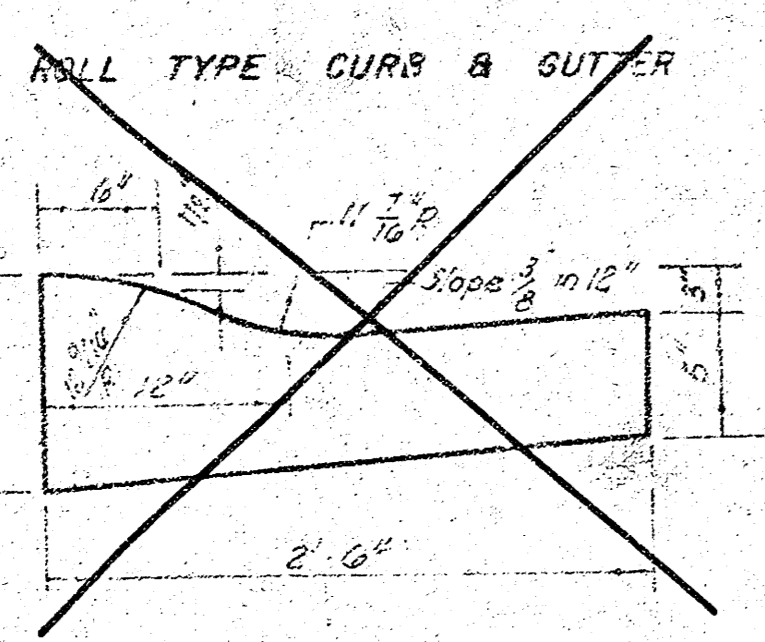
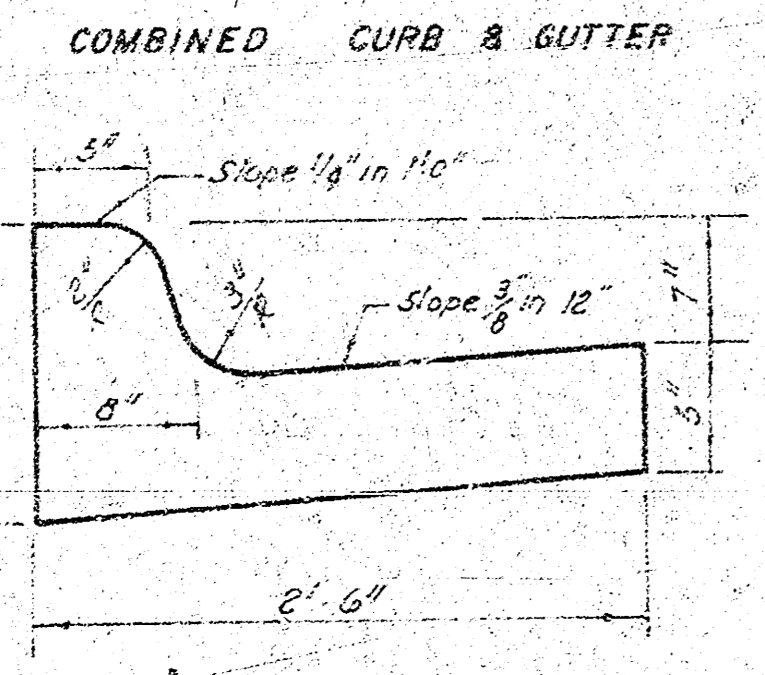


TYPICAL SECTION

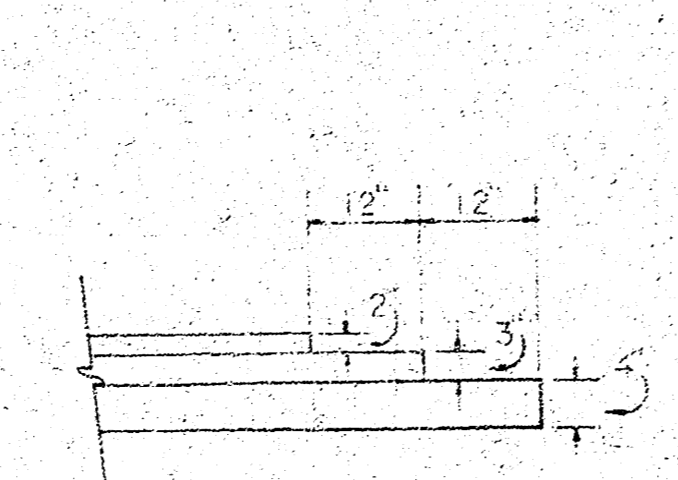
The a.c. pavement between the curb & gutter shall be paid as so yds of a.c. pavement. The bituminous base under the curb & gutter shall be paid as so yds of bituminous base.

4' 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.

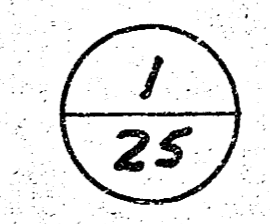
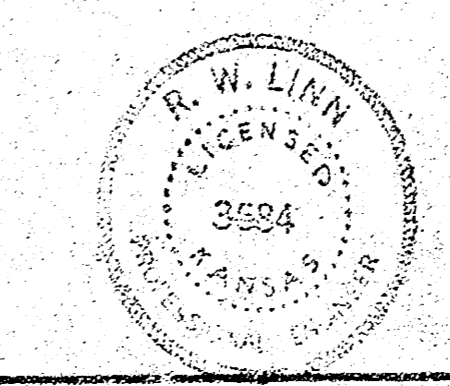


DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



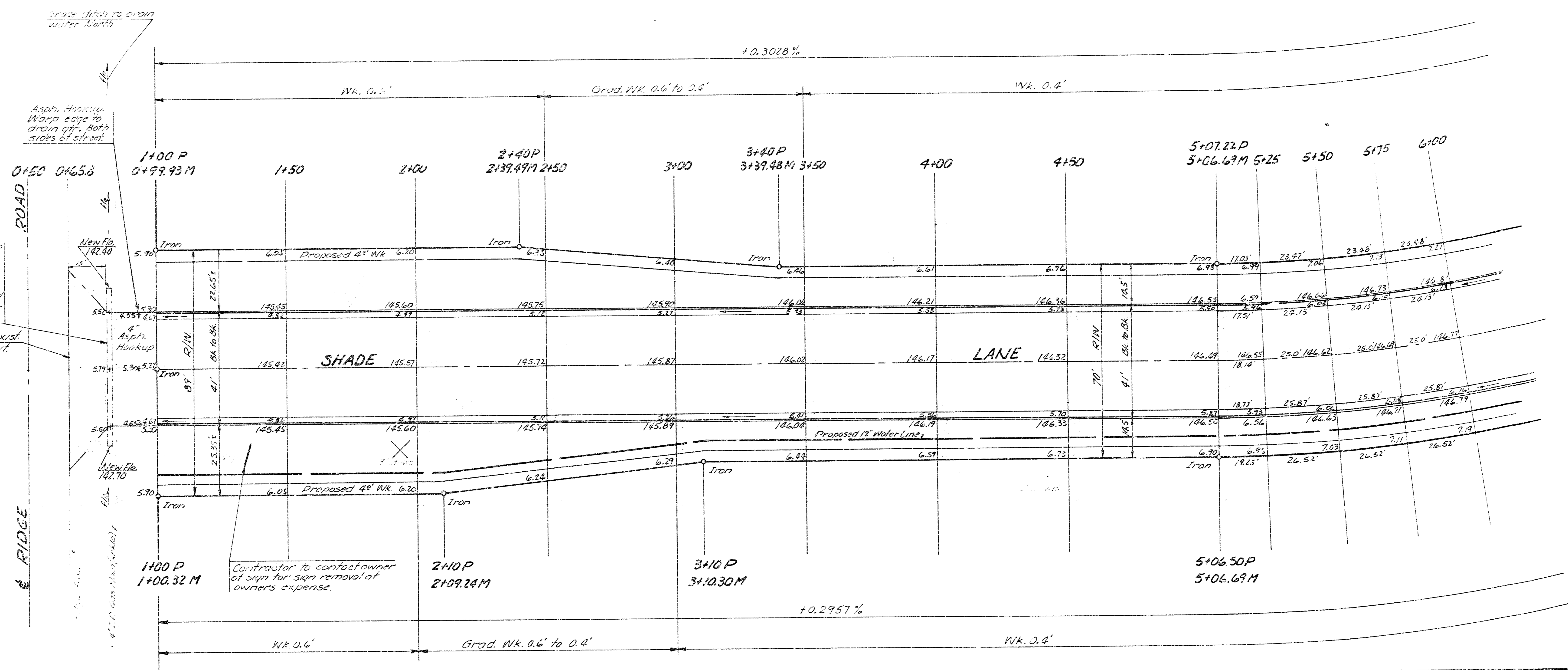
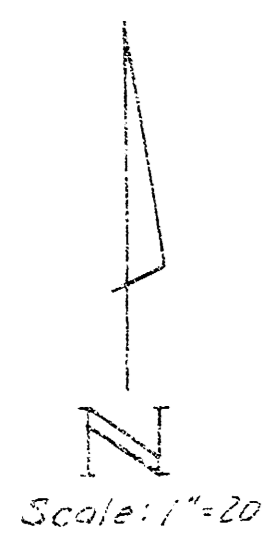
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE 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 MAY 1976 Proj No. DAKS 575008



3 M. 149.96 Dry Sta. N. of Sun Ridge Road f 2nd St. 39.5' U. f 48.0' M.
 B.M. 122.92 60' W. of N. face H.L.P. being West H.L.P. of 3, East of Winterset Lane f Wayside Lane

Stationing on E. of P.V.



Remove exist. 24" O.D. and replace to new elevs shown. Excav and compacted fill req'd to be incidental to removing and replacing pipe.

Match exist. Asphalt. Hookup.

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

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

NOTE TO FIELD ENGINEER & CONTRACTOR
 Grade posting and other right-of-way for proposed roadway. Current in the roadway area to be constructed by contractor.

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

EARTHWORK - TOTAL

PROPERTY	CITY
Excavation	Excavation
Shade 8077.7 Cu. Yd.	Shade 612.1 Cu. Yd.
Par 9778.1 Cu. Yd.	Par 0.0
17857.8 Cu. Yd.	612.1 Cu. Yd.
+10% 1785.8 Cu. Yd.	+10% 61.2 Cu. Yd.
Total 19643.6 Cu. Yd.	Total 673.3 Cu. Yd.
Compacted Fill	Compacted Fill
Shade 2007.6 Cu. Yd.	Shade 0.0
Par 11.5 Cu. Yd.	Par 0.0
2019.3 Cu. Yd.	0.0
+10% 201.9 Cu. Yd.	0.0
Total 2221.2 Cu. Yd.	0.0
Total Manipulation	
Shade 12380.8 + Par 7918.6 = 20299.4 Sq. Yd.	

SHADE LANE
 E. L. RIDGE ROAD TO S. L. WAYSIDE LANE
 36-2-40 ASPH. CONC.
 WITH COMB. CB. f GTR.
 CITY OF WICHITA, KANSAS
 R. WILLIAMS CITY ENGINEER
 DATE PROJ. NO. D.A.K.S 575008

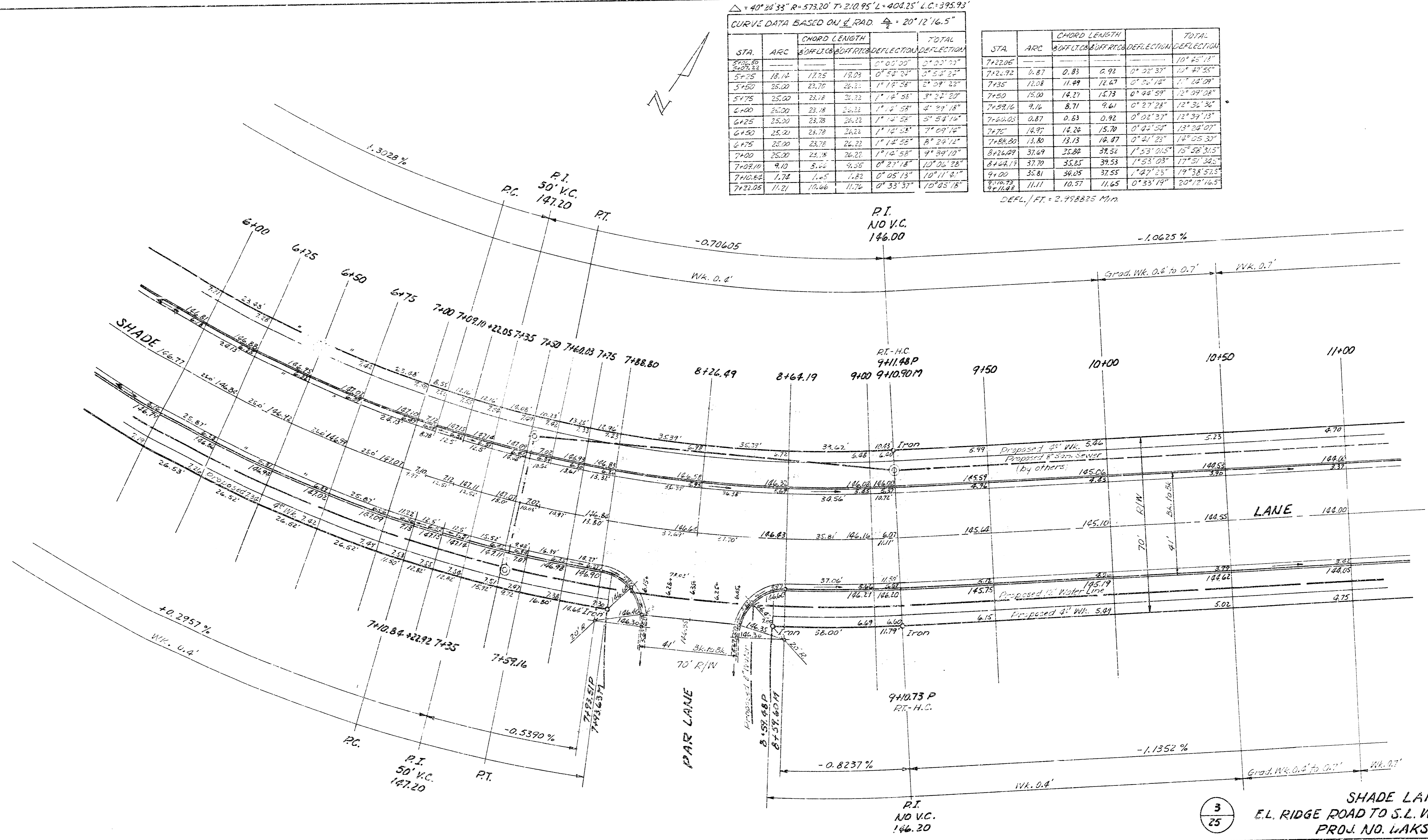
2/25

△ = 40° 20' 33" R = 573.20' T = 210.95' L = 404.25' L.C. = 395.93'
 CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\frac{1}{2}$ = 20° 12' 16.5"

STA.	ARC	CHORD LENGTH	BOFFL. CH.	BOFFL. RIC.	DEFLECTION	TOTAL DEFLECTION
5+00.00					0° 05' 00"	0° 05' 00"
5+25	18.14	18.15	18.09	18.09	0° 54' 24"	0° 59' 24"
5+50	35.00	35.70	35.31	35.31	1° 18' 58"	2° 18' 22"
5+75	35.00	35.70	35.31	35.31	1° 18' 58"	3° 37' 20"
6+00	25.00	25.18	25.21	25.21	1° 2' 58"	4° 40' 18"
6+25	25.00	25.18	25.21	25.21	1° 2' 58"	5° 53' 16"
6+50	25.00	25.18	25.21	25.21	1° 2' 58"	7° 06' 14"
6+75	25.00	25.18	25.21	25.21	1° 2' 58"	8° 19' 12"
7+00	35.00	35.70	35.31	35.31	1° 18' 58"	9° 38' 10"
7+25	35.00	35.70	35.31	35.31	1° 18' 58"	10° 57' 08"
7+50	35.00	35.70	35.31	35.31	1° 18' 58"	12° 16' 06"
7+75	35.00	35.70	35.31	35.31	1° 18' 58"	13° 35' 04"
8+00	25.00	25.18	25.21	25.21	1° 2' 58"	14° 54' 02"
8+25	25.00	25.18	25.21	25.21	1° 2' 58"	16° 13' 00"
8+50	25.00	25.18	25.21	25.21	1° 2' 58"	17° 32' 00"
8+75	25.00	25.18	25.21	25.21	1° 2' 58"	18° 51' 00"
9+00	35.00	35.70	35.31	35.31	1° 18' 58"	20° 10' 00"
9+25	35.00	35.70	35.31	35.31	1° 18' 58"	21° 29' 00"
9+50	35.00	35.70	35.31	35.31	1° 18' 58"	22° 48' 00"
9+75	35.00	35.70	35.31	35.31	1° 18' 58"	24° 07' 00"
10+00	25.00	25.18	25.21	25.21	1° 2' 58"	25° 26' 00"
10+25	25.00	25.18	25.21	25.21	1° 2' 58"	26° 45' 00"
10+50	25.00	25.18	25.21	25.21	1° 2' 58"	28° 04' 00"
10+75	25.00	25.18	25.21	25.21	1° 2' 58"	29° 23' 00"
11+00	35.00	35.70	35.31	35.31	1° 18' 58"	30° 42' 00"

STA.	ARC	CHORD LENGTH	BOFFL. CH.	BOFFL. RIC.	DEFLECTION	TOTAL DEFLECTION
7+22.06						10° 45' 11"
7+24.92	2.87	2.83	2.92	2.92	0° 22' 57"	10° 68' 08"
7+35	12.08	11.99	12.67	12.67	0° 36' 12"	11° 04' 20"
7+50	15.00	14.21	15.73	15.73	0° 48' 59"	11° 53' 19"
7+59.16	9.16	8.71	9.61	9.61	0° 27' 28"	12° 20' 47"
7+62.03	2.87	2.83	2.92	2.92	0° 22' 57"	12° 43' 44"
7+75	12.08	11.99	12.67	12.67	0° 36' 12"	13° 10' 56"
7+88.80	13.80	13.13	14.47	14.47	0° 41' 23"	13° 52' 19"
8+26.49	37.69	35.88	39.51	39.51	1° 53' 01"	15° 45' 20"
8+64.19	37.70	35.85	39.53	39.53	1° 53' 03"	17° 38' 23"
9+00	35.81	34.05	37.55	37.55	1° 47' 25"	19° 25' 48"
9+10.70	11.11	11.65	12.57	12.57	0° 33' 19"	20° 09' 07"

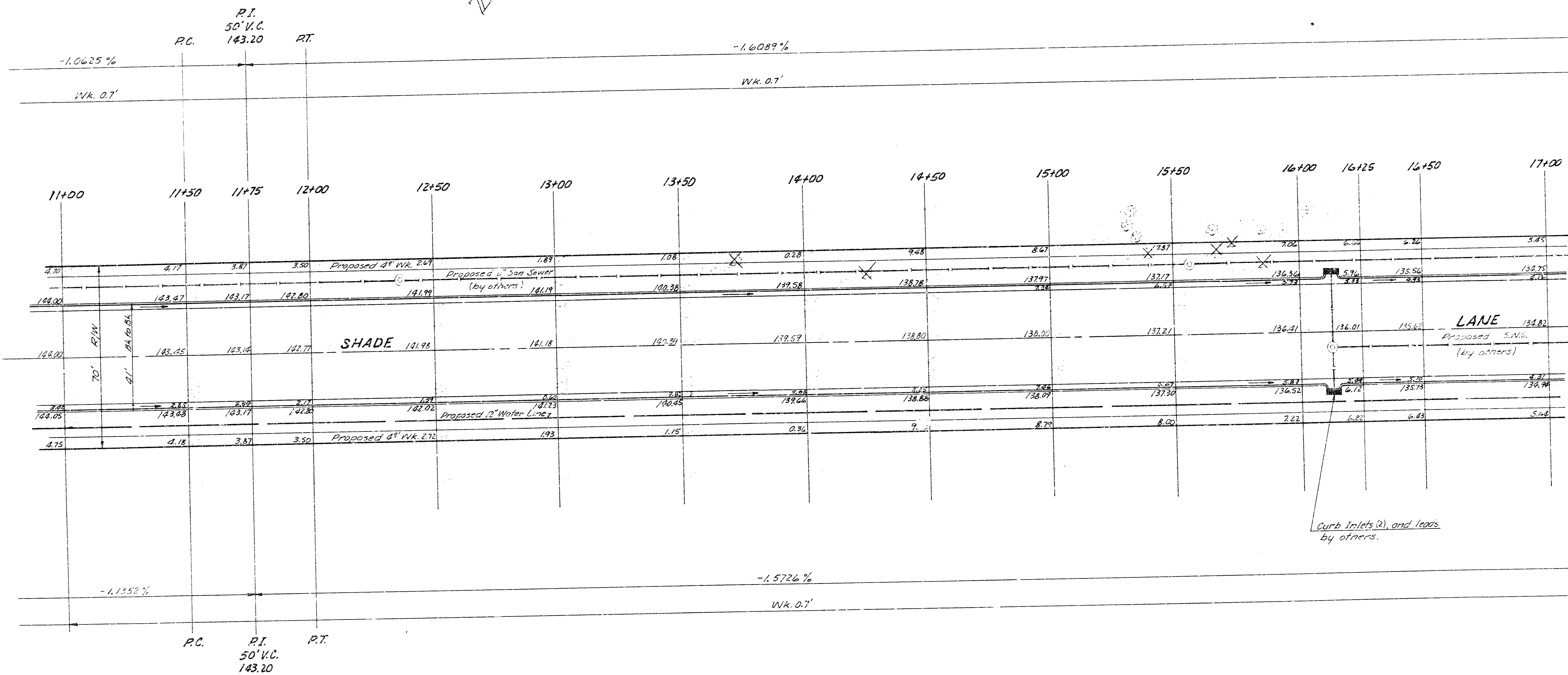
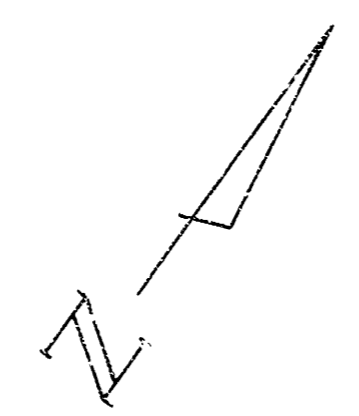
DEFL. / FT. = 2.998825 Min.



3
25

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

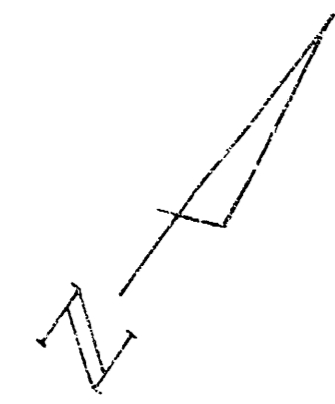
FILMED FROM THE BEST
 AVAILABLE COPY.....



9
25

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

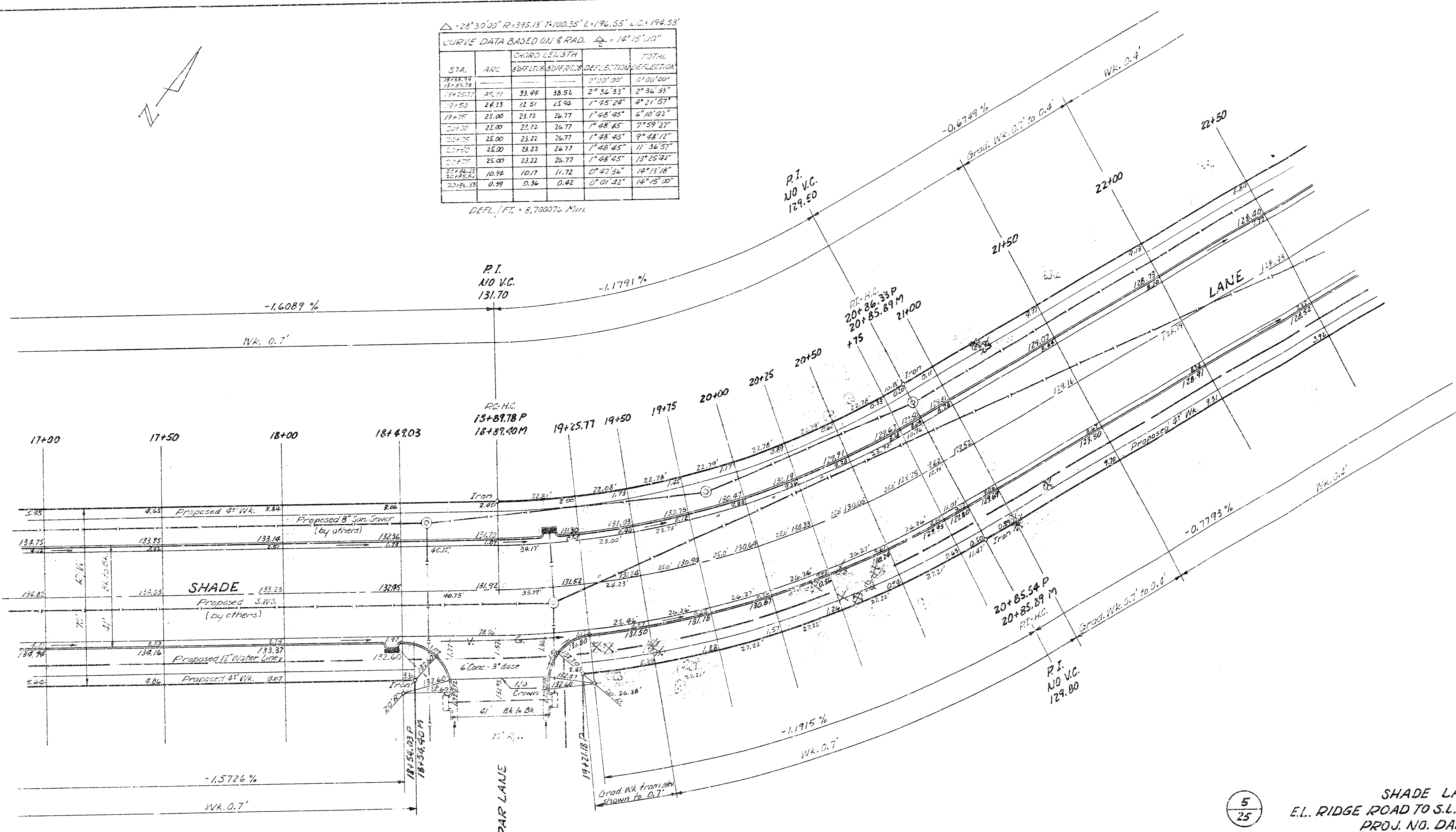
FILMED FROM THE BEST
AVAILABLE COPY



$\Delta = 28^{\circ}30'00''$ $R = 575.13'$ $T = 100.35'$ $L = 176.55'$ $C.C. = 196.53'$
 CURVE DATA BASED ON 6 RAD. $\Delta = 14^{\circ}15'00''$

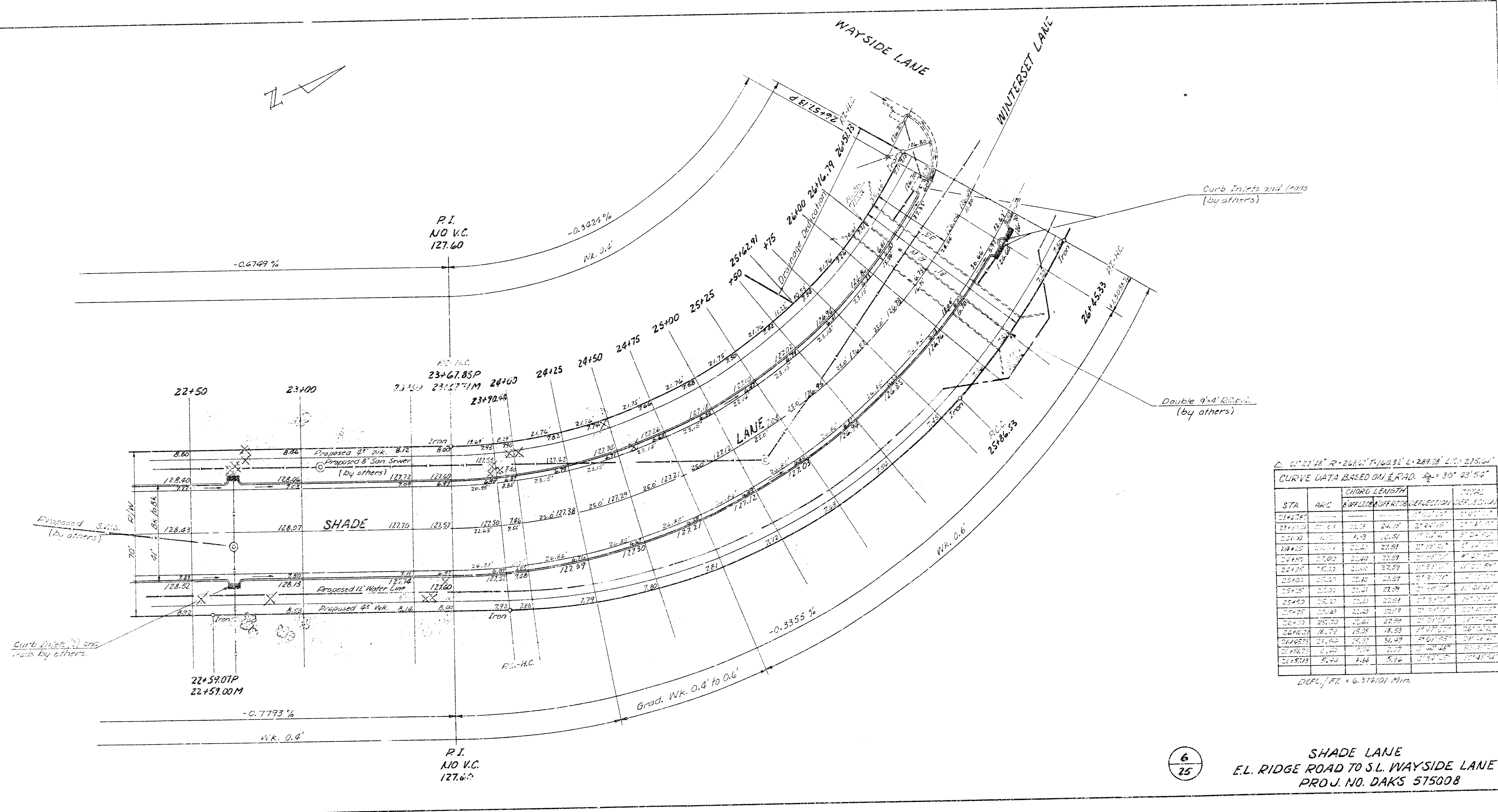
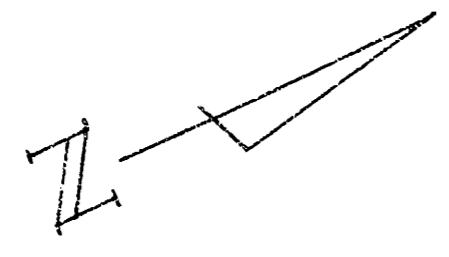
STA.	ARC	CHORD	DEFLECTION	TOTAL
18788.77			0°00'00"	0°00'00"
18788.77	25.00	33.99	2°36'33"	2°36'33"
18788.77	24.23	22.51	1°25'24"	4°21'57"
18788.77	25.00	22.72	1°48'45"	6°10'42"
20+00	25.00	22.72	1°48'45"	7°59'27"
20+25	25.00	22.72	1°48'45"	9°48'12"
20+50	25.00	22.72	1°48'45"	11°36'57"
20+75	25.00	22.72	1°48'45"	13°25'42"
20+85.54 P	10.96	10.17	0°47'36"	14°13'18"
20+85.54 P	0.39	0.36	0°01'42"	14°15'00"

DEFL. / FT. = 6.700076 Min.



5/25

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



$\Delta = 31^{\circ}21'48''$ $R = 26160'$ $T = 16036'$ $L = 28928'$ $A.C. = 275.64'$
 CURVE DATA BASED ON Δ RAD. $\frac{1}{2} = 30^{\circ} 23' 54''$

STA	ARC	CHORD LENGTH	CHORD BEARING	DEFLECTION	TOTAL DEFLECTION
23+22.5	10.0	9.95	24.15	0° 24' 15"	0° 24' 15"
23+32.5	20.0	19.8	48.30	0° 48' 30"	0° 48' 30"
23+42.5	30.0	29.7	72.45	0° 72' 45"	0° 72' 45"
23+52.5	40.0	39.6	96.60	0° 96' 30"	0° 96' 30"
23+62.5	50.0	49.5	120.75	0° 120' 15"	0° 120' 15"
23+72.5	60.0	59.4	144.90	0° 144' 30"	0° 144' 30"
23+82.5	70.0	69.3	169.05	0° 168' 45"	0° 168' 45"
23+92.5	80.0	79.2	193.20	0° 193' 00"	0° 193' 00"
24+02.5	90.0	89.1	217.35	0° 217' 15"	0° 217' 15"
24+12.5	100.0	99.0	241.50	0° 241' 30"	0° 241' 30"
24+22.5	110.0	108.9	265.65	0° 265' 45"	0° 265' 45"
24+32.5	120.0	118.8	289.80	0° 289' 30"	0° 289' 30"
24+42.5	130.0	128.7	313.95	0° 313' 45"	0° 313' 45"
24+52.5	140.0	138.6	338.10	0° 337' 30"	0° 337' 30"
24+62.5	150.0	148.5	362.25	0° 361' 45"	0° 361' 45"
24+72.5	160.0	158.4	386.40	0° 385' 30"	0° 385' 30"
24+82.5	170.0	168.3	410.55	0° 409' 15"	0° 409' 15"
24+92.5	180.0	178.2	434.70	0° 433' 00"	0° 433' 00"
25+02.5	190.0	188.1	458.85	0° 456' 45"	0° 456' 45"
25+12.5	200.0	198.0	483.00	0° 480' 30"	0° 480' 30"
25+22.5	210.0	207.9	507.15	0° 504' 15"	0° 504' 15"
25+32.5	220.0	217.8	531.30	0° 528' 00"	0° 528' 00"
25+42.5	230.0	227.7	555.45	0° 551' 45"	0° 551' 45"
25+52.5	240.0	237.6	579.60	0° 575' 30"	0° 575' 30"
25+62.5	250.0	247.5	603.75	0° 599' 15"	0° 599' 15"
25+72.5	260.0	257.4	627.90	0° 623' 00"	0° 623' 00"
25+82.5	270.0	267.3	652.05	0° 646' 45"	0° 646' 45"
25+92.5	280.0	277.2	676.20	0° 670' 30"	0° 670' 30"
26+02.5	290.0	287.1	700.35	0° 694' 15"	0° 694' 15"
26+12.5	300.0	297.0	724.50	0° 718' 00"	0° 718' 00"
26+22.5	310.0	306.9	748.65	0° 741' 45"	0° 741' 45"
26+32.5	320.0	316.8	772.80	0° 765' 30"	0° 765' 30"
26+42.5	330.0	326.7	796.95	0° 789' 15"	0° 789' 15"
26+52.5	340.0	336.6	821.10	0° 813' 00"	0° 813' 00"

DEF./FT. = 0.314101 Min.

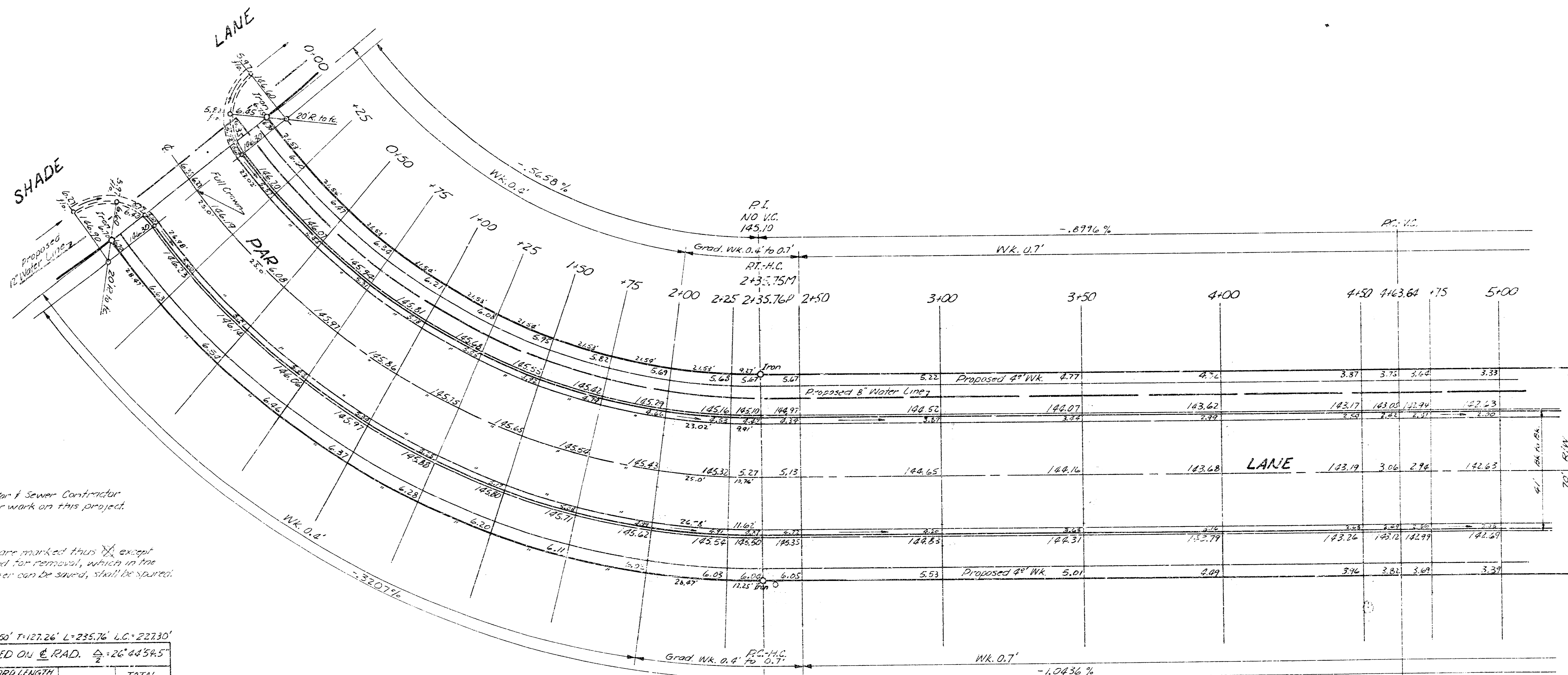
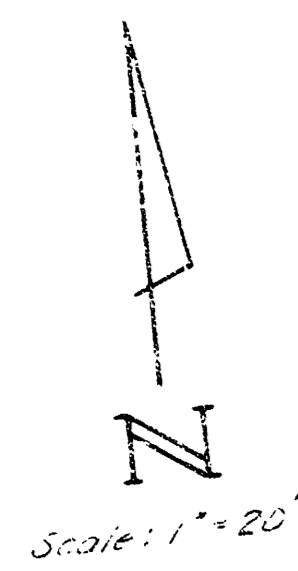
6
25

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

FILMED FROM THE BEST
 AVAILABLE COPY

B.M. 144.96 City Std. NW cor Ridge Road & 2nd St, 39.5' N, 48.0' W. of E. Ridge Rd & 2nd St
 B.M. 122.42 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 E. of Par Lane



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

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

$\Delta = 53^{\circ}29'49''$ $R = 252.50'$ $T = 127.26'$ $L = 235.76'$ $LC = 222.30'$
 CURVE DATA BASED ON C. RAD. $\frac{1}{2} \Delta = 26^{\circ}44'54.5''$

STA.	ARC	CHORD LENGTH		DEFLECTION	
		8" OFF	OFF R.C.	8" OFF	DEFLECTION
0+00				0° 00' 00"	0° 00' 00"
0+25	25.00	22.22	27.76	2° 50' 11"	2° 50' 11"
0+50	25.00	22.22	27.76	5° 40' 22"	5° 40' 22"
0+75	25.00	22.22	27.76	8° 30' 33"	8° 30' 33"
1+00	25.00	22.22	27.76	11° 20' 44"	11° 20' 44"
1+25	25.00	22.22	27.76	14° 10' 55"	14° 10' 55"
1+50	25.00	22.22	27.76	17° 01' 06"	17° 01' 06"
1+75	25.00	22.22	27.76	19° 51' 17"	19° 51' 17"
2+00	25.00	22.22	27.76	22° 41' 28"	22° 41' 28"
2+25	25.00	22.22	27.76	25° 31' 39"	25° 31' 39"
2+50	10.76	9.57	11.95	1° 13' 15"	24° 04' 54"

DEFL./FT. = 6.80134/MIN.

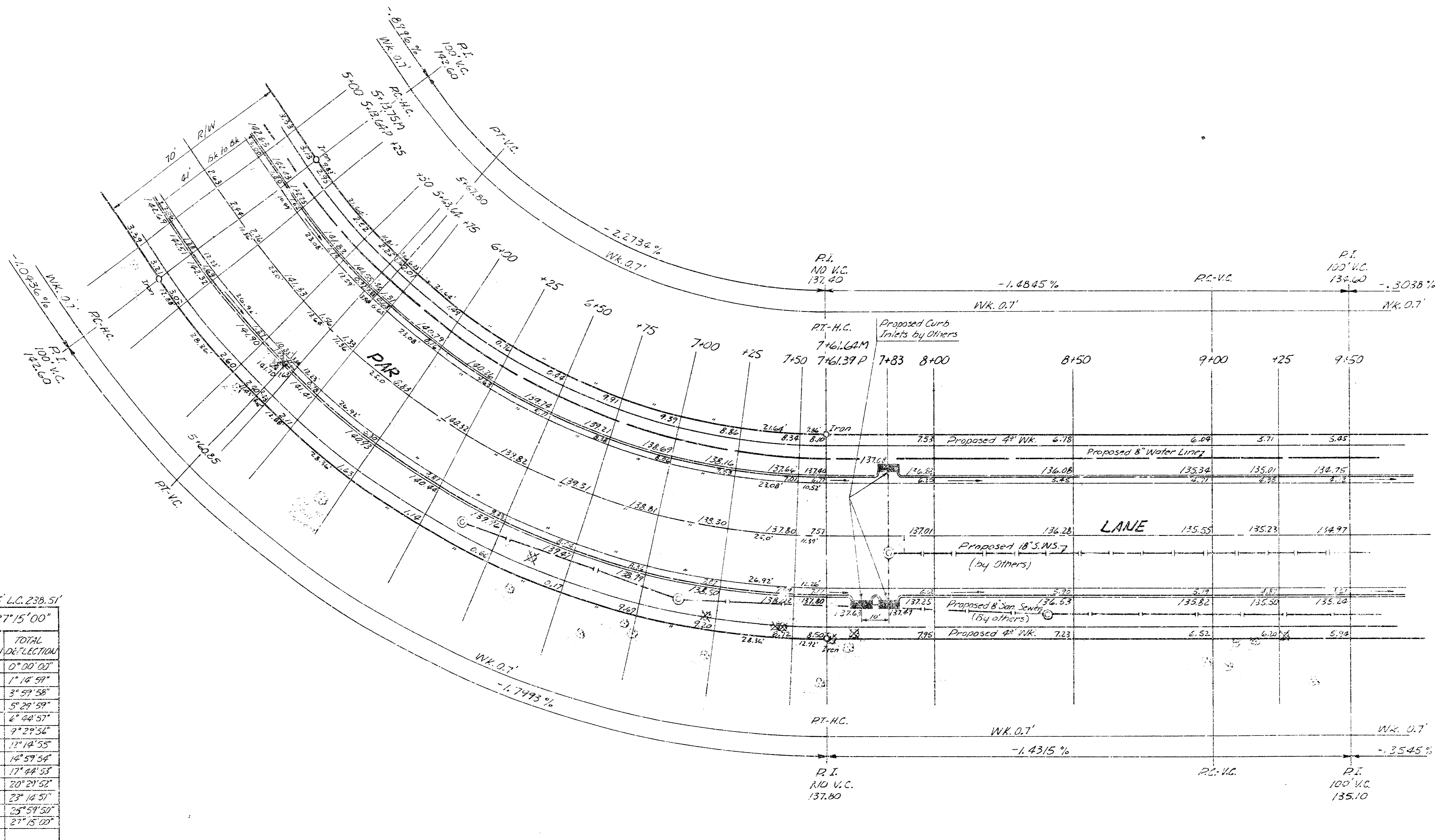
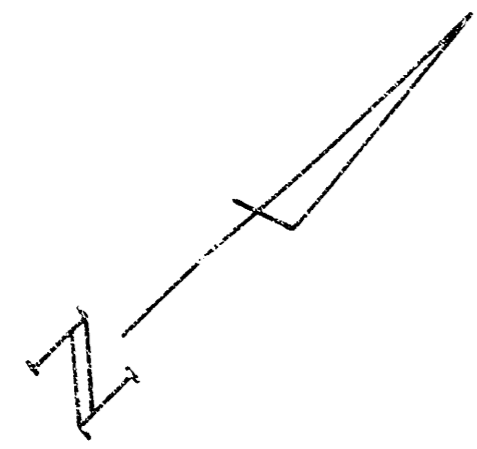
NOTE: All subgrade & construction shall be in accordance with the City of Wichita Specifications for Roadways, 1976 Edition, unless otherwise noted.

SUBGRADE
 TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE ENGINEER. IT MAY BE CEMENT TREATMENT, SUBGRADE STABILIZATION, 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 11/27/76 PROJ. NO. DAKS 575001

7
25

FILMED FROM THE BEST AVAILABLE COPY



$\Delta = 54^\circ 30' 00''$ $R = 260.85'$ $T = 134.14'$ $L = 245.75'$ $L.C. = 238.51'$
 CURVE DATA BASED ON $\frac{1}{4}$ RAD. $\frac{1}{2} = 27^\circ 15' 00''$

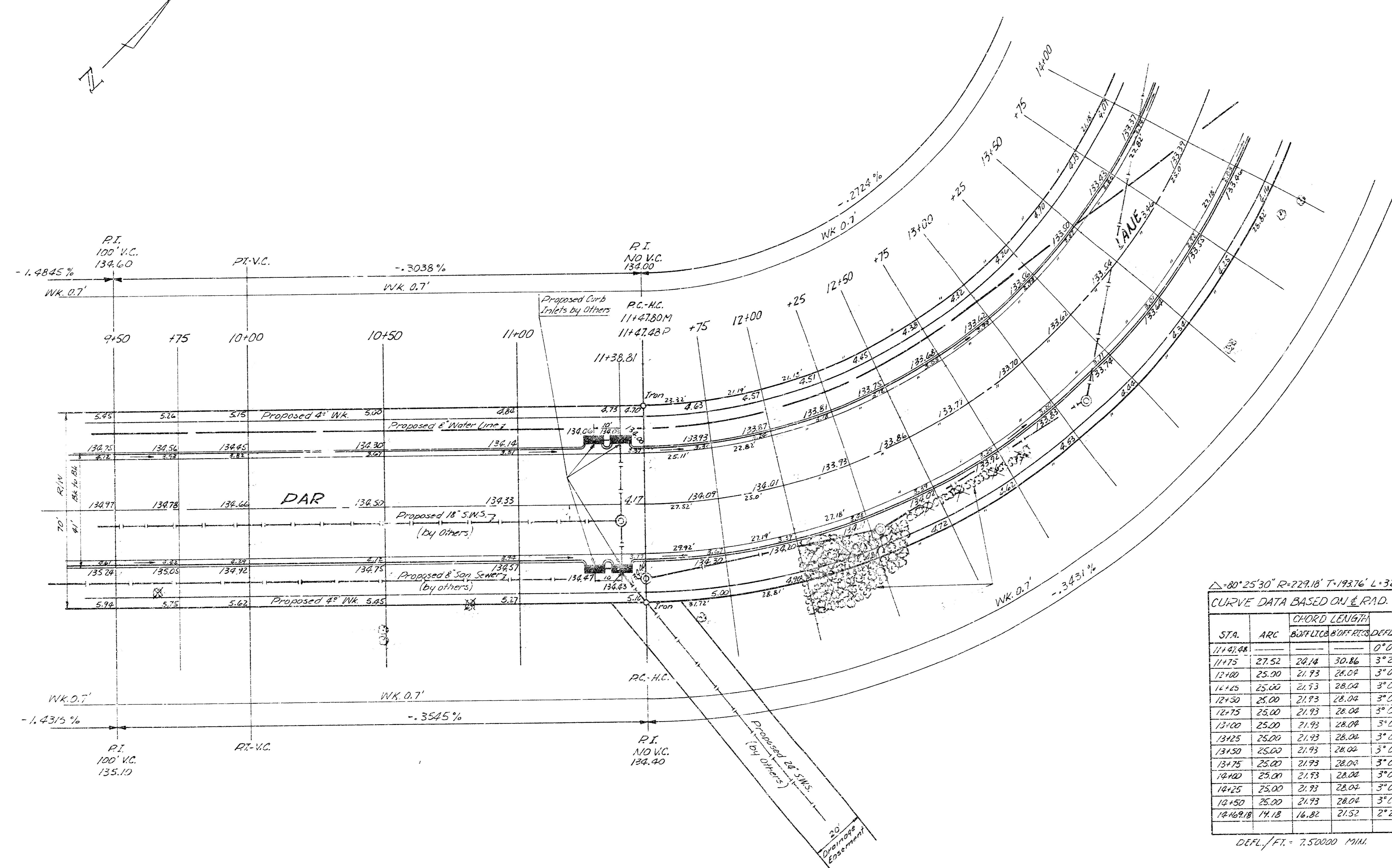
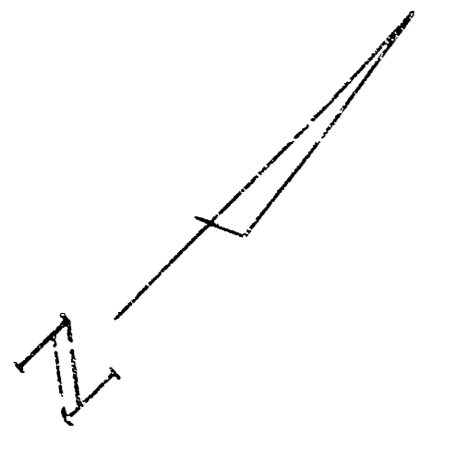
STA.	ARC	CHORD	BOFF	FL	AB	OFF	PLUG	CON	DEFLECTION	TOTAL
										DEFLECTION
5+12.64									0° 02' 00"	0° 00' 00"
5+25	11.36	10.14	12.58						1° 14' 59"	1° 14' 59"
5+50	25.00	22.30	27.67						2° 44' 59"	3° 59' 58"
5+63.64	13.64	12.17	15.10						1° 30' 01"	5° 29' 59"
5+75	11.36	10.14	12.58						1° 14' 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+63.64	11.36	10.14	12.58						1° 14' 58"	27° 15' 00"

DEFL./FT. = 0.653103 MIN.

8/25

PAR LANE
 S.L. SHADE LANE TO S.L. SHADE LANE
 PROJ. NO. DAKS 515008

FILMED FROM THE BEST AVAILABLE COPY



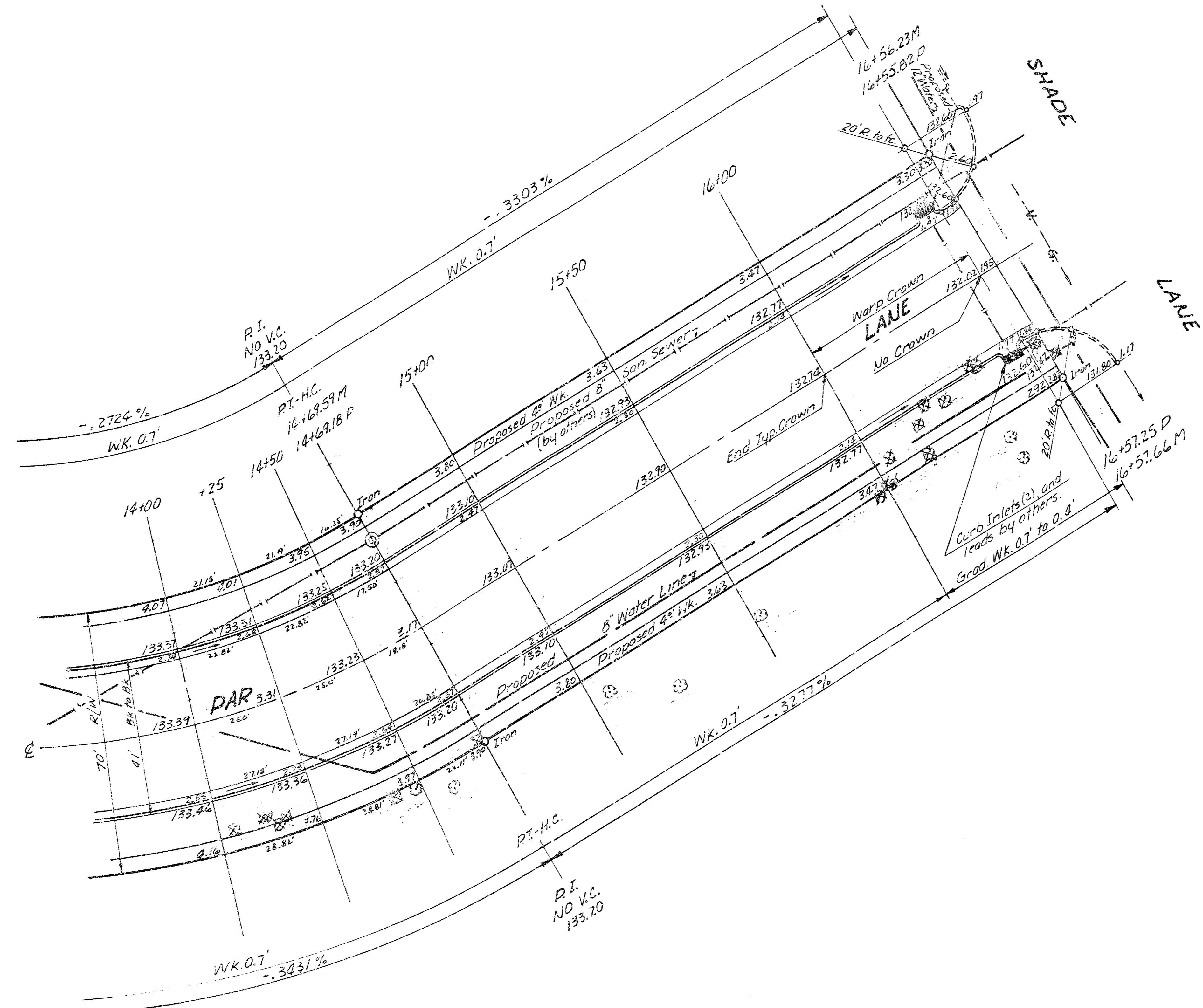
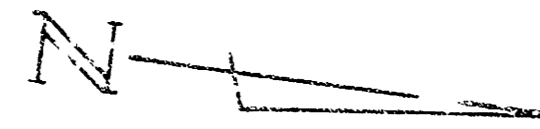
$\Delta = 20^\circ 25' 30''$ $R = 229.16'$ $T = 193.76'$ $L = 321.70'$ $L.C. 295.93'$
 CURVE DATA BASED ON $\frac{1}{2}$ RAD. $\frac{1}{2} = 10^\circ 12' 45''$

STA.	ARC	CHORD LENGTH	DIFF. FROM TANGENT	DEFLECTION	TOTAL DEFLECTION
11+41.08				0° 00' 00"	0° 00' 00"
11+75	27.52	20.14	30.86	3° 26' 24"	3° 26' 24"
12+00	25.00	21.93	28.04	3° 07' 30"	6° 33' 54"
12+25	25.00	21.93	28.04	3° 07' 30"	9° 41' 24"
12+50	25.00	21.93	28.04	3° 07' 30"	12° 48' 54"
12+75	25.00	21.93	28.04	3° 07' 30"	15° 56' 24"
13+00	25.00	21.93	28.04	3° 07' 30"	19° 03' 54"
13+25	25.00	21.93	28.04	3° 07' 30"	22° 11' 24"
13+50	25.00	21.93	28.04	3° 07' 30"	25° 18' 54"
13+75	25.00	21.93	28.04	3° 07' 30"	28° 26' 24"
14+00	25.00	21.93	28.04	3° 07' 30"	31° 33' 54"
14+25	25.00	21.93	28.04	3° 07' 30"	34° 41' 24"
14+50	25.00	21.93	28.04	3° 07' 30"	37° 48' 54"
14+69.18	14.18	16.82	21.52	2° 23' 51"	40° 12' 45"

DEFL./FT. = 7.50000 MIN.

9
25

PAR LANE
 S.L. SHADE LANE TO S.L. SHADE LANE
 PROJ. NO. DAKS 575008



10
25

PAR LANE
S.L. SHADE LANE TO S.L. SHADE LANE
PROJ. NO. DAK'S 575008