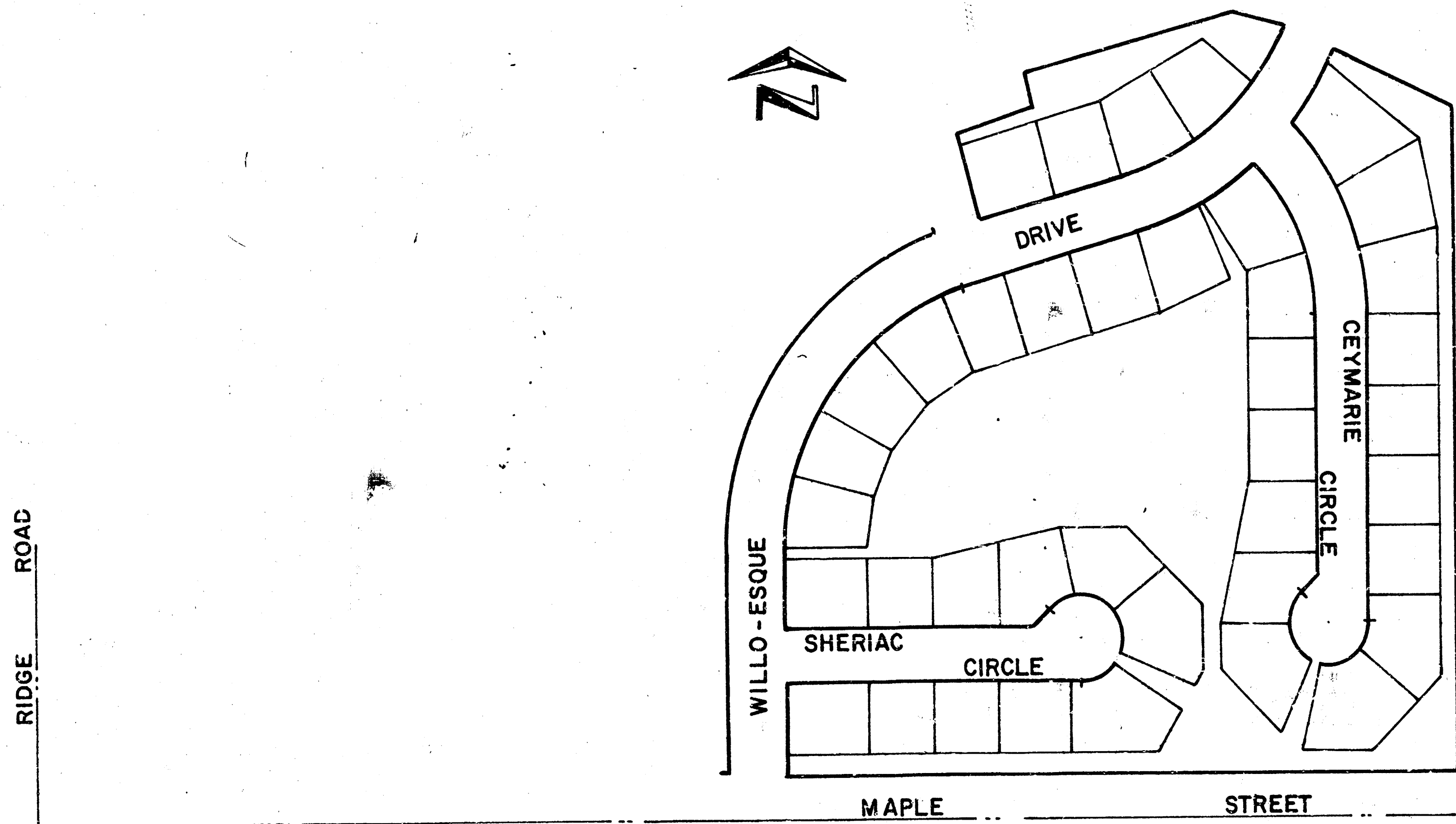


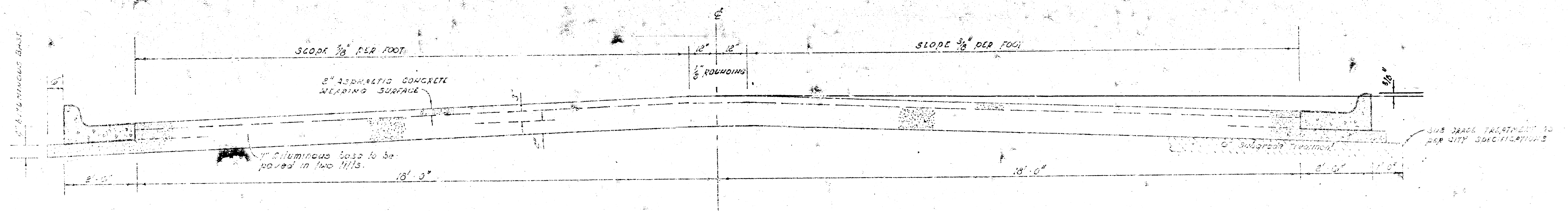
STREETS IN WILLO-ESQUE FIRST ADDITION

WILLO-ESQUE DRIVE - N.L. Maple St to N.L. Willo-Esque First Addn.
 SHERIAC CIRCLE - E.L. Willo-Esque Dr to and incl Cul-de-Sac.
 CEYMARIE CIRCLE - E.L. Willo-Esque Dr to and incl Cul-de-Sac.

CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER
 PROJECT No. DAKC 572003





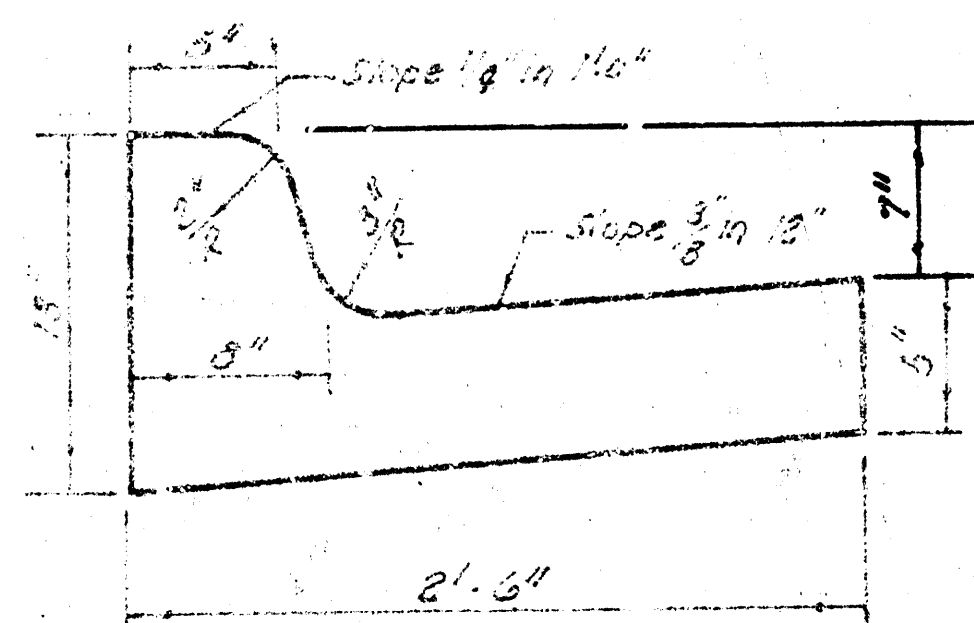
The A.C. pavement between the curb and gutter shall be paid as 2\" A.C. pavement. The Bituminous base under the curb and gutter shall be paid as 2\" Bituminous base.

TYPICAL SECTION

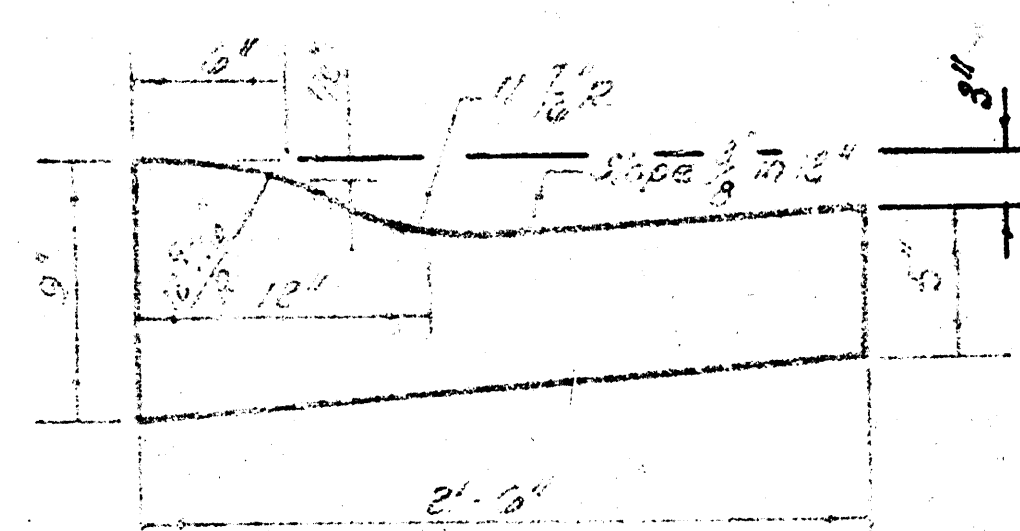
4' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER 100 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



CITY OF WICHITA, KANSAS

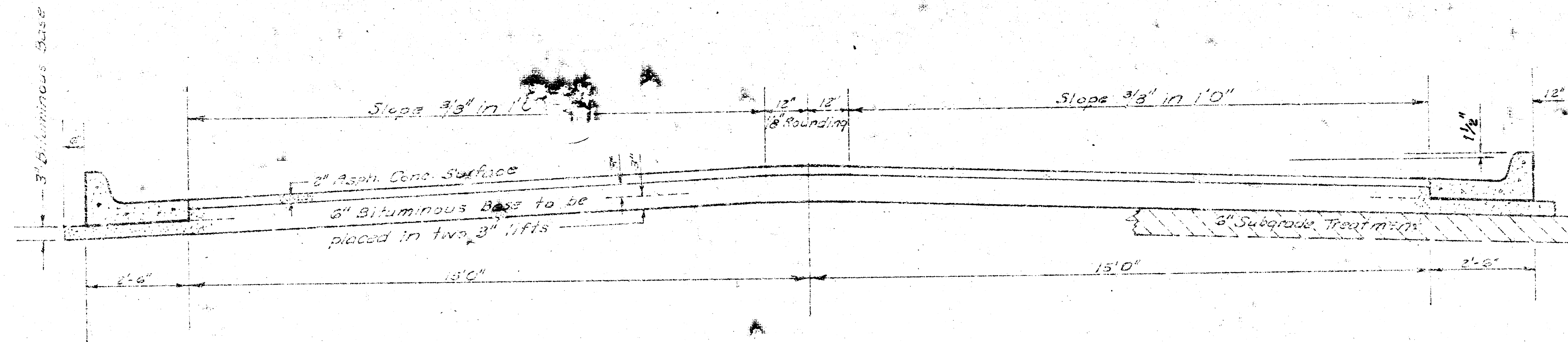
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION

R. W. LINN CITY ENGINEER

DATE _____ Proj. No.

DAKC 572003

2/13



TYPICAL SECTION

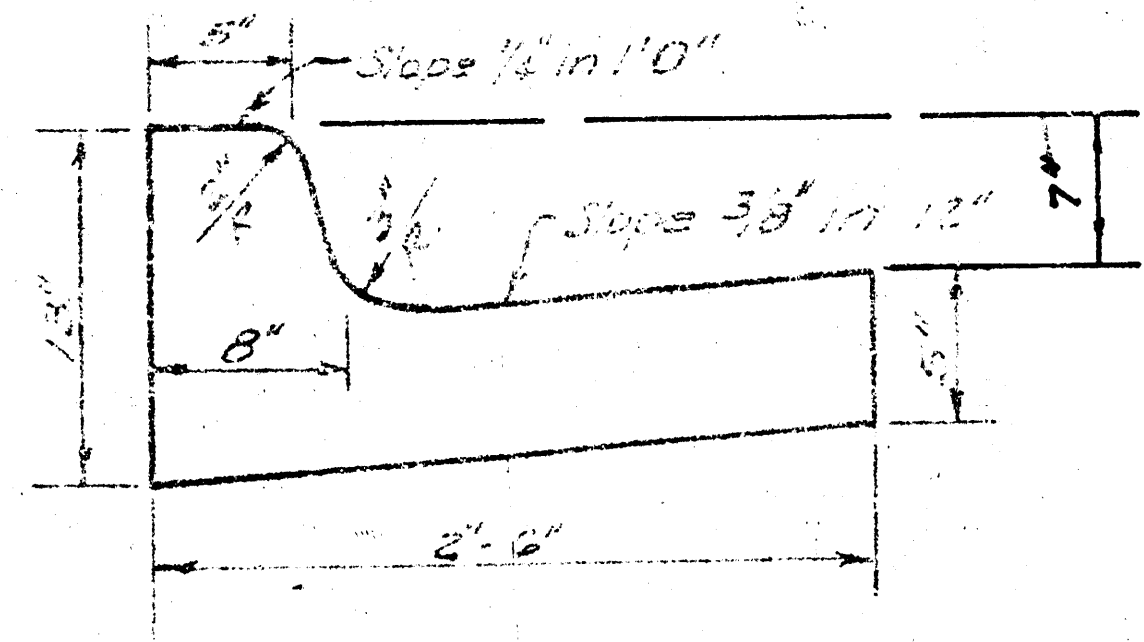
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

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.

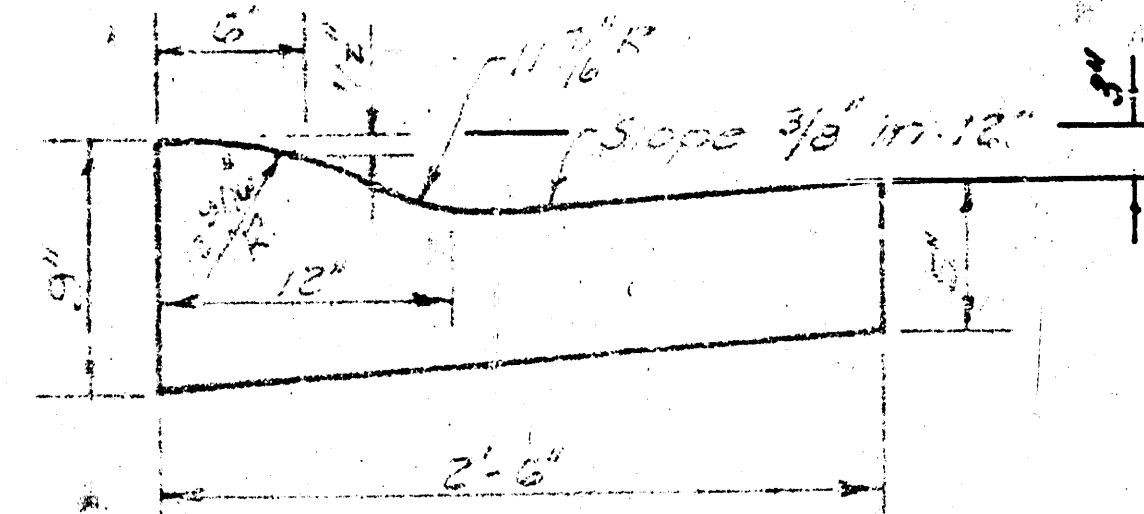
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED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

The A.C. Pavement between the curb & gutter shall be paid as Sq. Yds. 8" A.C. Pavement (6" Bituminous Base).
The Bituminous Base under the curb & gutter shall be paid as Sq. Yds. 3" Bituminous Base.

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER

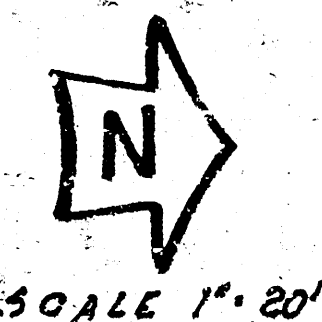


CITY OF WICHITA KANSAS

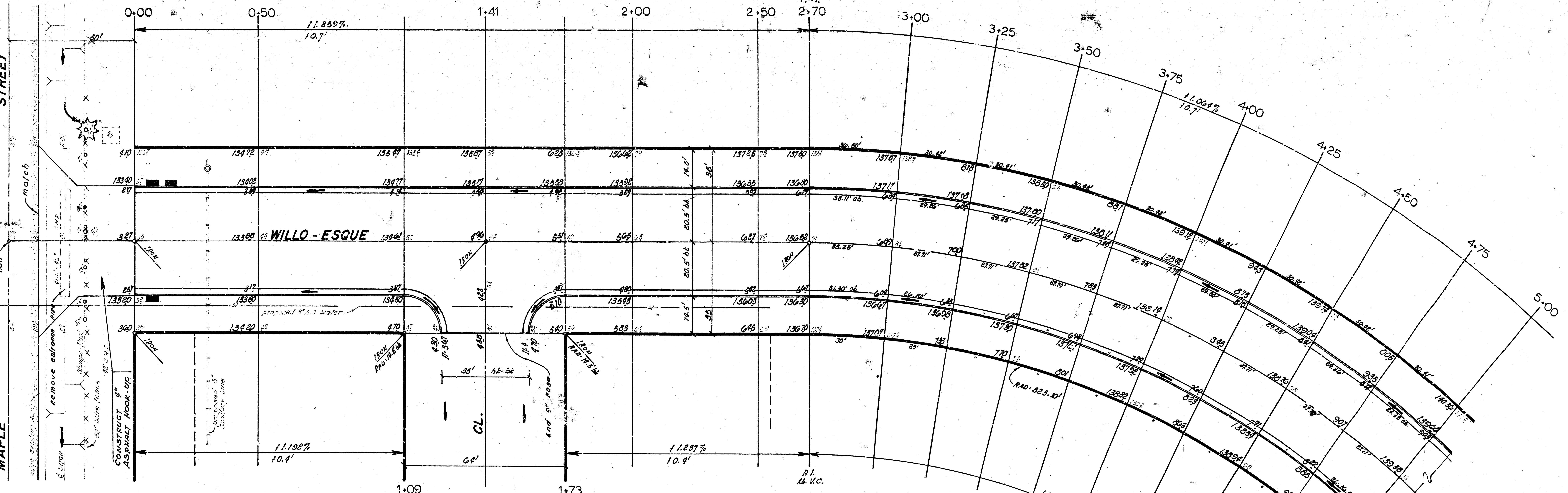
DEPARTMENT OF PUBLIC WORKS - Engineering Division

R.W. LINH CITY ENGINEER
DATE _____ Proj. No. DAKC 572003

A.M. 191.66 CITY ST. RIDGE ROAD and MAPLE 34' E and 92' S. of both.
 B.M. 132.34 R.R. Spike N. face power pole 3. Side MAPLE 45' E. of E.L. WILLO ESQUE DRIVE
 B.M. 121.85 CITY ST. DUGAN and MAPLE STREET 33.7' W. and 34.3' S. of both
 B.M. 125.61 R.R. Spike N. face power pole 3. Side MAPLE 10' E. of E.L. CECILIE GIROLE.



SCALE 1" = 20'



NOTE: Remove existing 92" C.M. entrance pipe and compact fill in ditch section thru Asphalt Hook-up area. cost of compacted fill thru ditch section to be incidental to the project.

SHERIAC

CURVE DATA IS BASED ON EAST B. RAD. 323.10'
 0.74° 00' 00" 05.31994 MIN/FT. ARC.

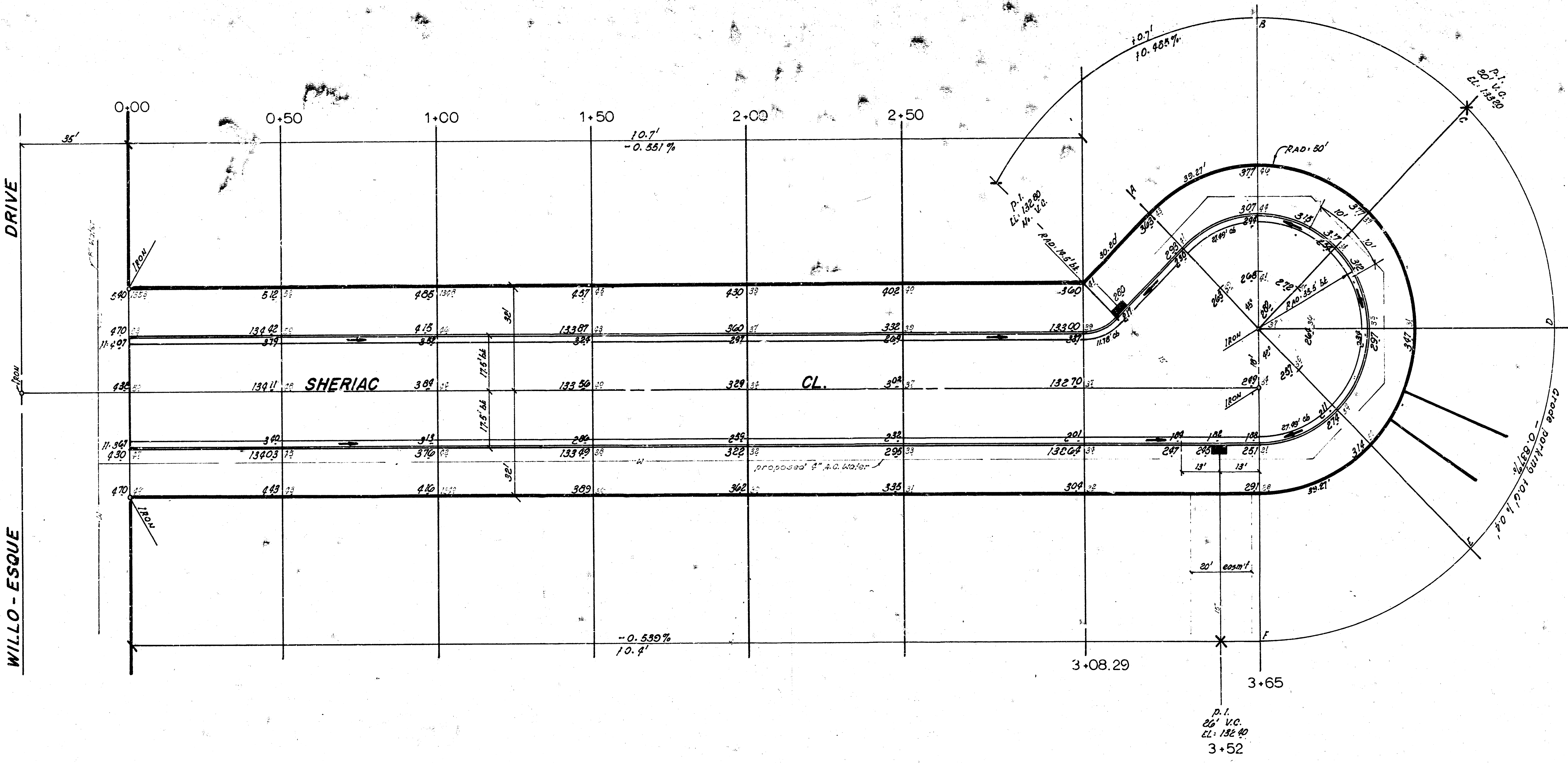
STATION	ARC	CHORD LENGTHS		DEFLECTION	TOTAL DEFLECTION
		8' on to E. of	8' on to W. of		
P.C. 2170					0° 00' 00"
3100	30.00'	30.68'	35.84'	2° 39' 36"	2° 39' 36"
125	25.00'	25.54'	29.87'	2° 13' 00"	4° 52' 36"
150	"	"	"	"	7° 05' 36"
175	"	"	"	"	9° 18' 36"
4100	"	"	"	"	11° 31' 36"
125	"	"	"	"	13° 44' 36"
150	"	"	"	"	15° 57' 36"
175	"	"	"	"	18° 10' 36"
5100	"	"	"	"	20° 23' 36"
125	"	"	"	"	22° 36' 36"
150	"	"	"	"	24° 49' 36"
175	"	"	"	"	27° 02' 36"
6100	"	"	"	"	29° 15' 36"
125	"	"	"	"	31° 28' 36"
150	25.00'	25.54'	29.87'	2° 13' 00"	33° 41' 36"
175	11.00'	11.23'	13.14'	0° 58' 31"	34° 40' 07"
P.T. 6130	26.30'	26.80'	31.42'	2° 19' 55"	37° 00' 02"

PROPERTY		CITY	
EXCAVATION	COMP. FILL	EXCAVATION	COMP. FILL
3,464.8 cu yds	59.1 cu yds	1,022.9 cu yds	
110% 346.5	110% 3.9	110% 102.3	
3,811.3 cu yds	65.0 cu yds	1,125.2 cu yds	

NOTE: Standard compacted fill or sub-grade treatment to be determined by the field engineer.

WILLO-ESQUE DRIVE
 N.L. MAPLE STREET To N.L. WILLO-ESQUE FIRST ADDITION.
 41'-Curb & Gutter - Asphaltic Conc
CITY of WICHITA, KANSAS
 (7" Bituminous Base - 2" Asph Conc Wearing Surface.)
 R.W. LINN CITY ENGINEER
 DATE _____ Proj No. DAKC 572003

B.M. 13230 R.R. Spike N. p. pole. S. Side MAPLE 95' E. of E.L. WILLO-ESQUE DR.

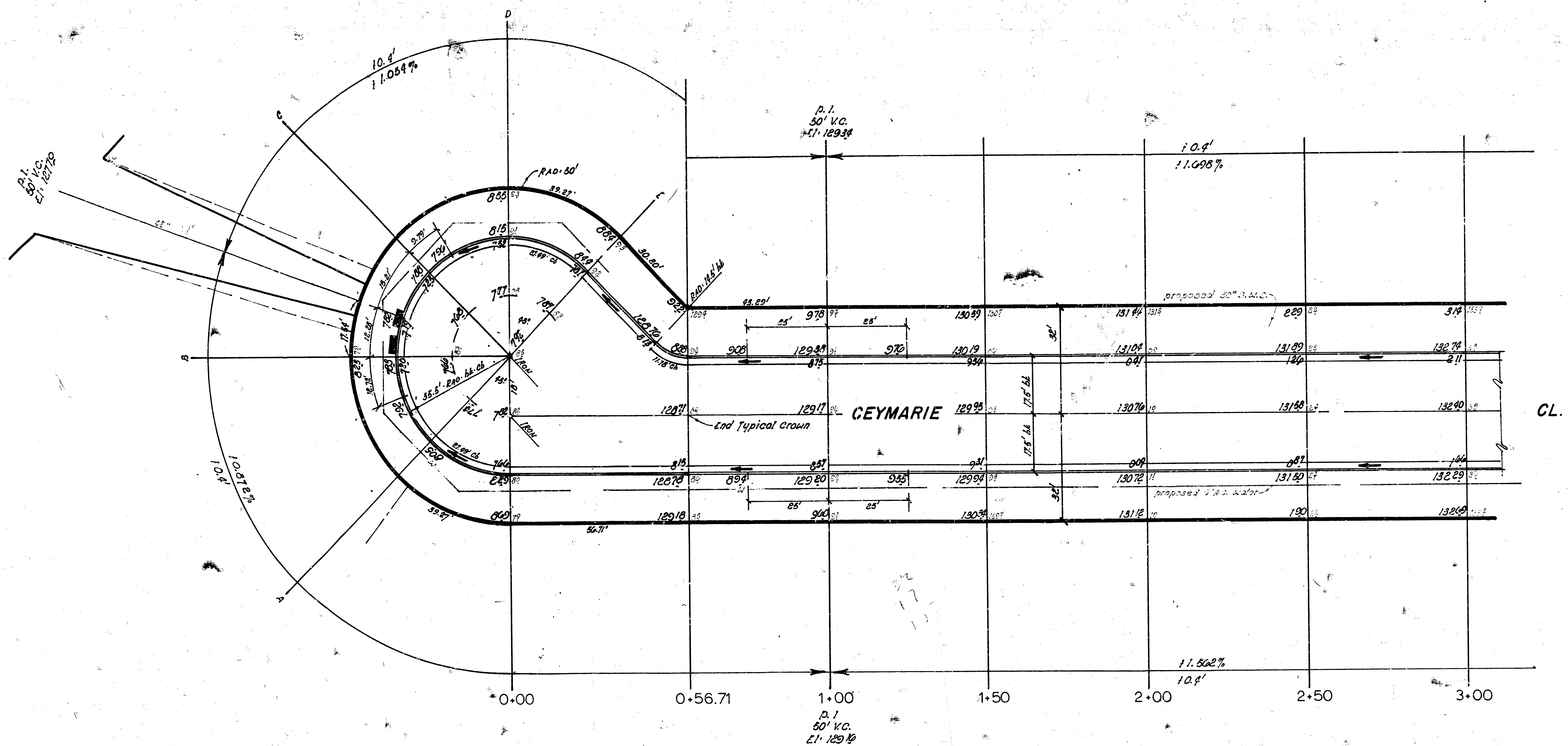
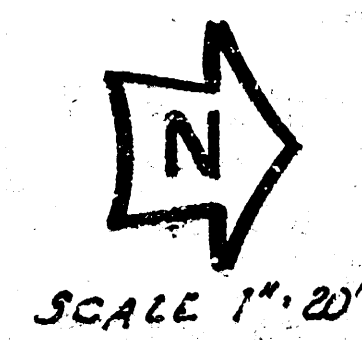


PROPERTY

EXCAVATION	COMP. FILL
1,008.8 cu yds	3.0 cu yds
100% 100.9	110% .3
1,109.7 cu yds	3.3 cu yds

SHERIAC CIRCLE
 E.L. WILLO-ESQUE DRIVE To and
 incl Cul-De-Sac.
 35'-Curb & Gutter- Asphaltic Con
CITY of WICHITA, KAN.
 (6" Bituminous Base- 2" Asph Concre
 Wearing Surface.)
 R.W. LINN CITY ENGINEER
 DATE _____ Proj No. DAKC57

7/13



PROPERTY

EXCAVATION	COMP FILL
1307.8 cu yds	18.0 cu yds
10% 130.8	110% 1.9
1438.6 cu yds	20.5 cu yds

CEYMARIE CIRCLE
 E.L. WILLO-ESQUE DRIVE To and
 incl Cul-De-Sac.
 35'- Curb & Gutter - Asphaltic Conc
CITY of WICHITA, KANSAS
 (6" Bituminous Base - 2" Asph Concrete
 Wearing Surface.)
 R.W. LINN CITY ENGINEER
 DATE _____ Proj No. DAKC 572003



CEYMARIE

CURVE DATA IS BASED ON EAST 12. RADIUS: 315.84'
 Δ: 95° 00' 00" OS. 44222 MIN/H. AIC.

STATION	ARC	CHORD	LENGTHS	DEFLECTION	TOTAL DEFLECTION
		8' 0" 16' 4" 6'	8' 0" 16' 4" 6'		
P.O. 3103.57					0' 00' 00"
175	11.16'	9.14'	10.91'	1° 00' 48"	1° 00' 48"
4100	25.00'	20.48'	24.44'	2° 16' 08"	3° 16' 48"
125	"	"	"	2° 16' 03"	5° 32' 51"
150	"	"	"	2° 16' 04"	7° 48' 55"
175	"	"	"	2° 16' 03"	10° 04' 58"
5100	"	"	"	2° 16' 04"	12° 21' 02"
125	"	"	"	2° 16' 03"	14° 37' 05"
150	"	"	"	2° 16' 03"	16° 53' 08"
175	"	"	"	2° 16' 03"	19° 09' 11"
6100	25.00'	20.48'	24.44'	2° 16' 03"	21° 25' 14"
P.T. 6111.09	11.90'	9.75'	11.63'	1° 04' 46"	22° 30' 00"

