

WILLO-ESQUE DRIVE N.L. Willo-Esque First Addn To N.L. Douglas Circle.

DOUGLAS CIRCLE E.L. Willo-Esque Drive To E.L. Willo-Esque 2nd Addn.

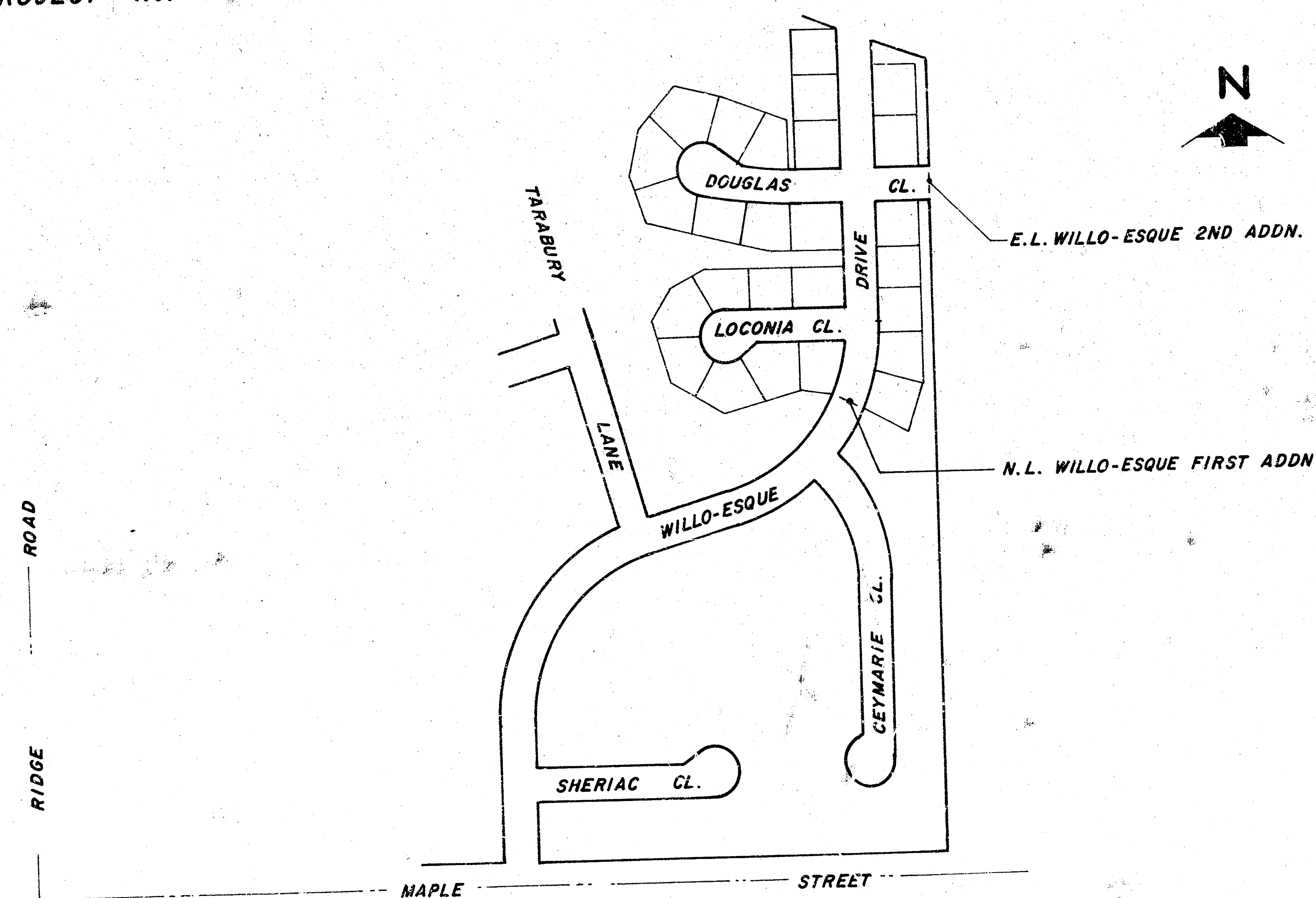
DOUGLAS CIRCLE W.L. Willo-Esque Drive To and including Cul-De-Sac.

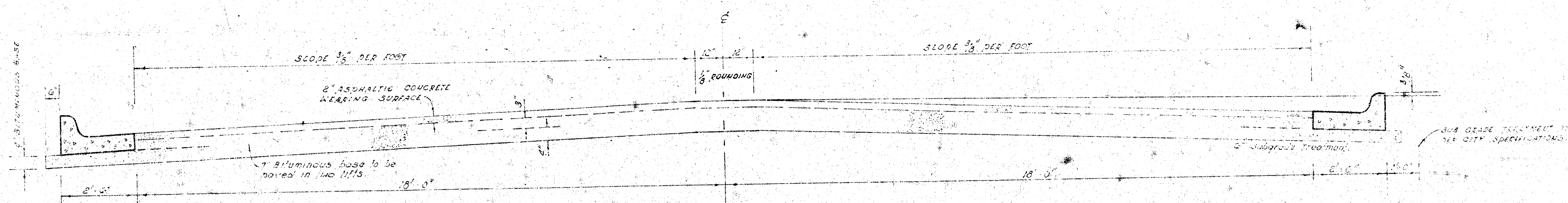
LOCONIA CIRCLE W.L. Willo-Esque Drive To and including Cul-De-Sac.

CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

PROJECT No. DAKC573028





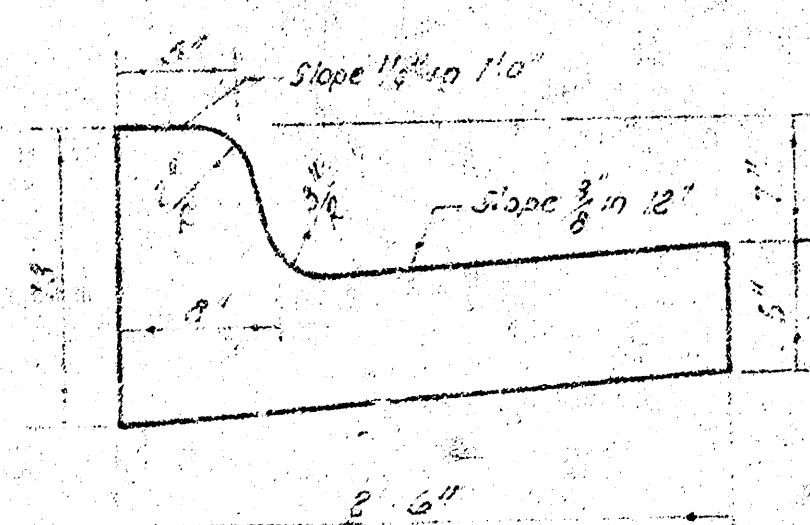
TYPICAL SECTION

4' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

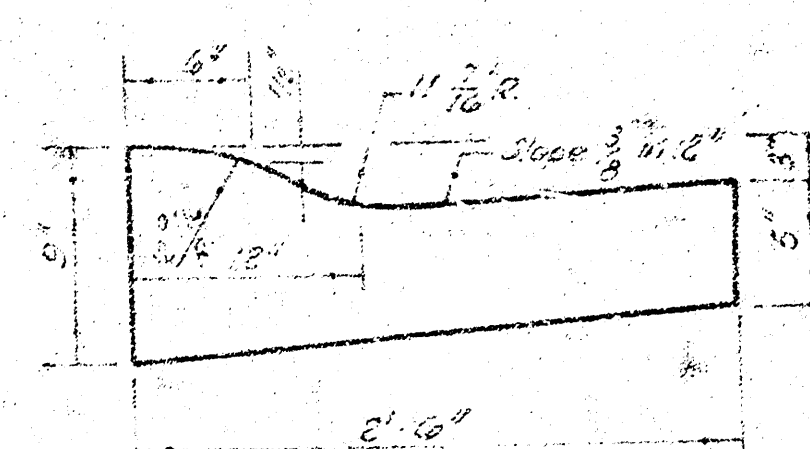
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.35 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

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.

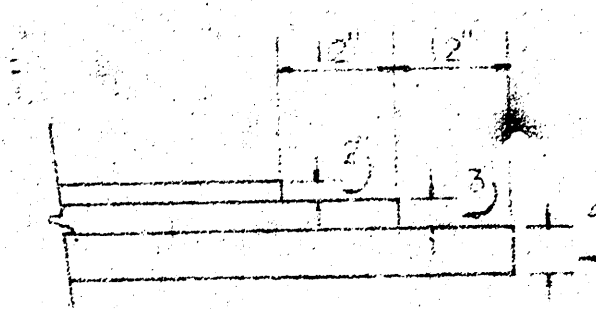
COMBINED CURB & GUTTER



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 curb and gutter shall be paid as 30 yds 9" A.C. pavement. The bituminous base under the curb and gutter shall be paid as 30 yds 4" bituminous base.



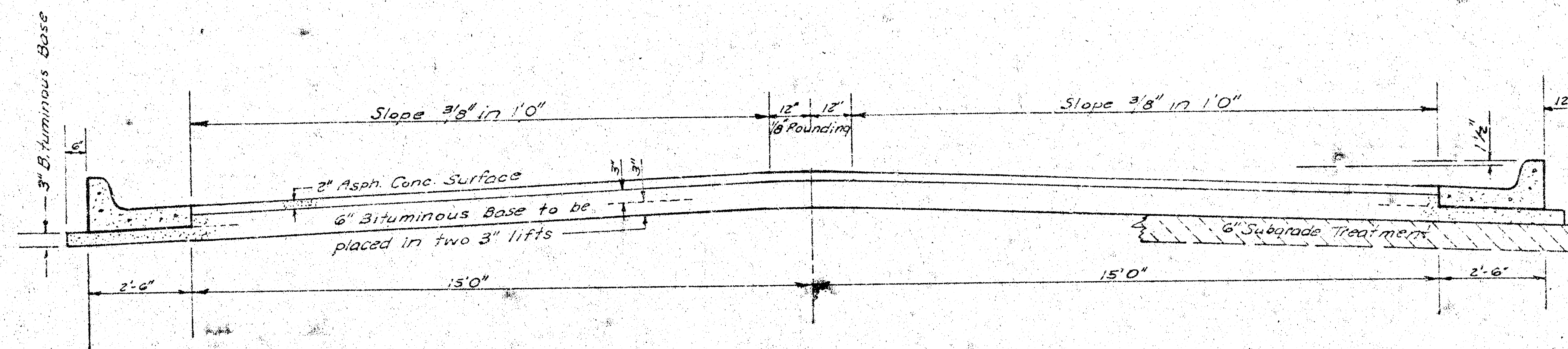
CITY OF WICHITA, KANSAS

DEPARTMENT of PUBLIC WORKS - Engineering Division

R. W. LINN CITY ENGINEER

DATE May 1976 Proj. No.

27



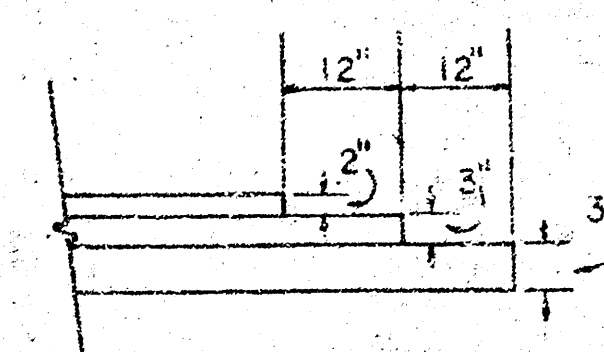
TYPICAL SECTION

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.

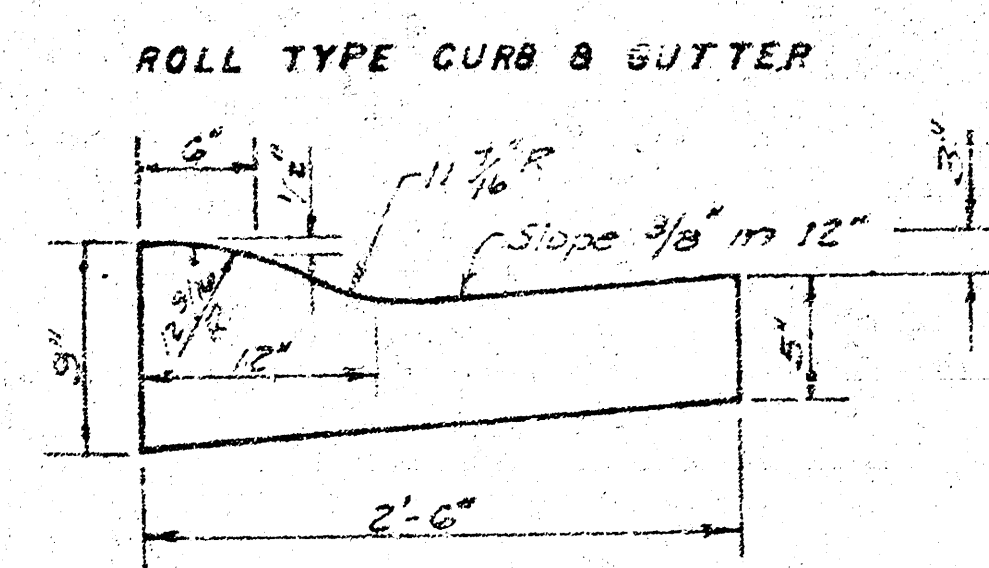
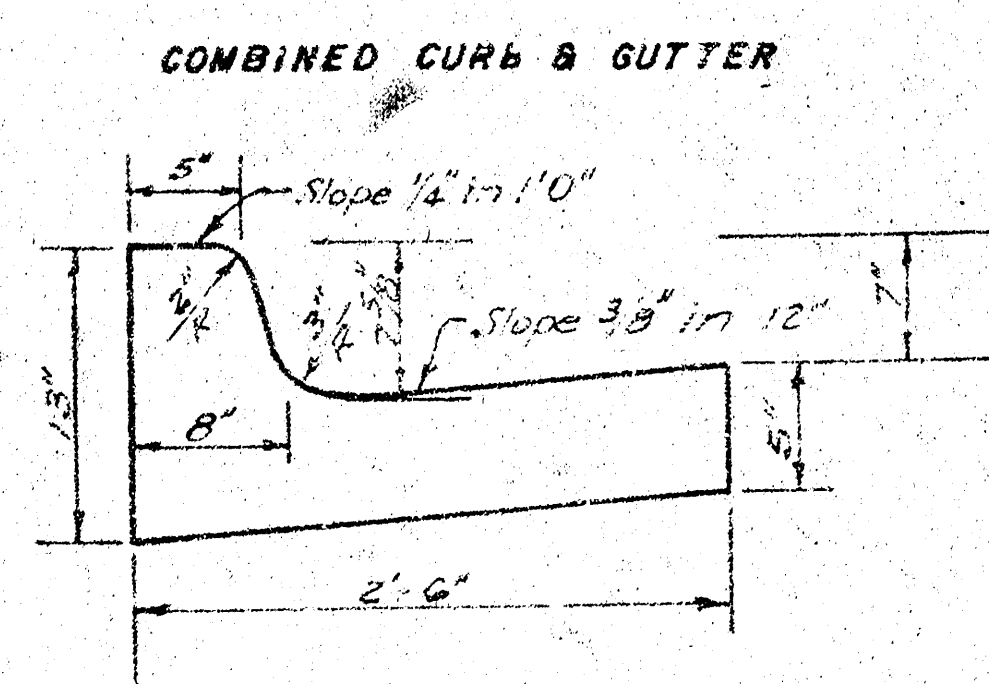
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED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

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



CITY OF WICHITA KANSAS

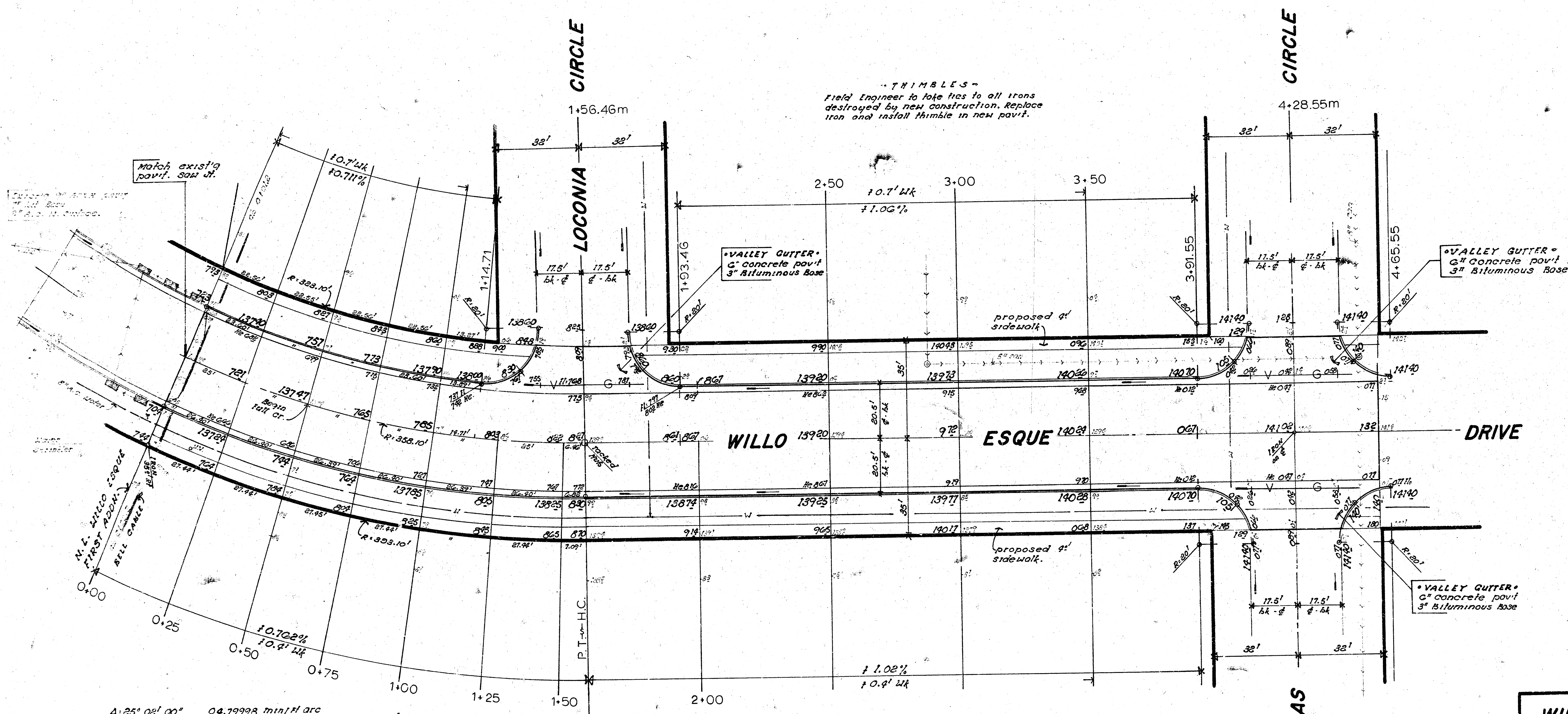
DEPARTMENT of PUBLIC WORKS - Engineering Division

R.W. LINN CITY ENGINEER

DATE May - 76 Proj. No.

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B.M. 13234 R.R. Spike N. to p. pole S. Side MAPLE 95' E.E.L. WILLO ESQUE DRIVE
B.M. 13195 "D" Top curb S. Return S.W. Cor WILLO ESQUE DR & GEYMARIE.



$\Delta = 25^{\circ} 02' 00''$ 04.79998 min/H arc
CURVE DATA Based on $\phi = 353.10'$ TAN: 79.50'

STATION	ARC	chord length	chord length	DEFLECTION	TOTAL DEFLECTION
		of 0.5 to 1.0	of 0.5 to 1.0		
0+00				0° 00' 00"	0° 00' 00"
0+25	23.00'	23.04'	24.95'	2° 00' 00"	2° 00' 00"
0+50				4° 00' 00"	4° 00' 00"
0+75				6° 00' 00"	6° 00' 00"
1+00	23.00'	23.04'	24.95'	2° 00' 00"	8° 00' 00"
1+25	14.71'	14.71'	15.82'	1° 10' 32"	9° 10' 32"
1+50	10.29'	9.98'	11.09'	0° 29' 24"	10° 00' 00"
1+75	25.00'	25.04'	26.95'	2° 00' 00"	12° 00' 00"
PT. 1+86.92	6.92'	5.95'	6.96'	0° 31' 00"	12° 31' 00"

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

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area to be constructed by "OTHERS".

"EARTHWORK" - "PROPERTY"				"EARTHWORK" - "CITY"			
EXCAVATION	COMP. FILL	EXCAVATION	COMP. FILL	EXCAVATION	COMP. FILL	EXCAVATION	COMP. FILL
560.3 cu yds	86.4 cu yds	950.0 cu yds	4.1 cu yds	110% 56.0	110% 5.0	110% 95.0	110% 4.5
782.3 cu yds	85.0 cu yds	495.0 cu yds	4.5 cu yds				

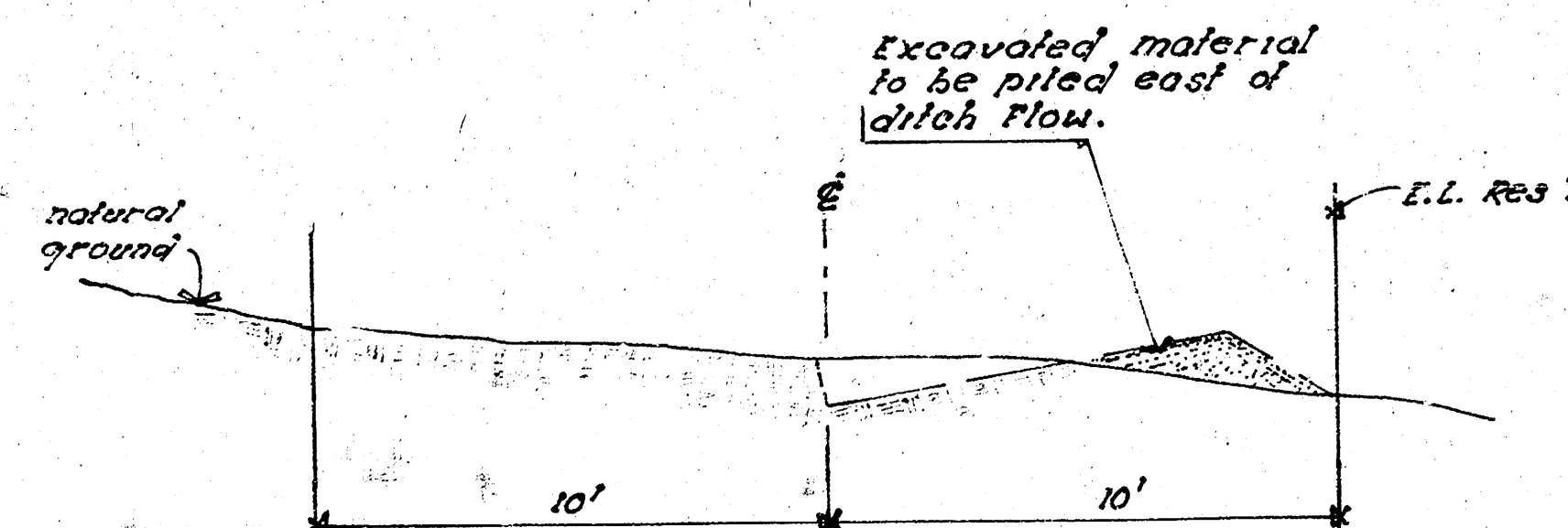
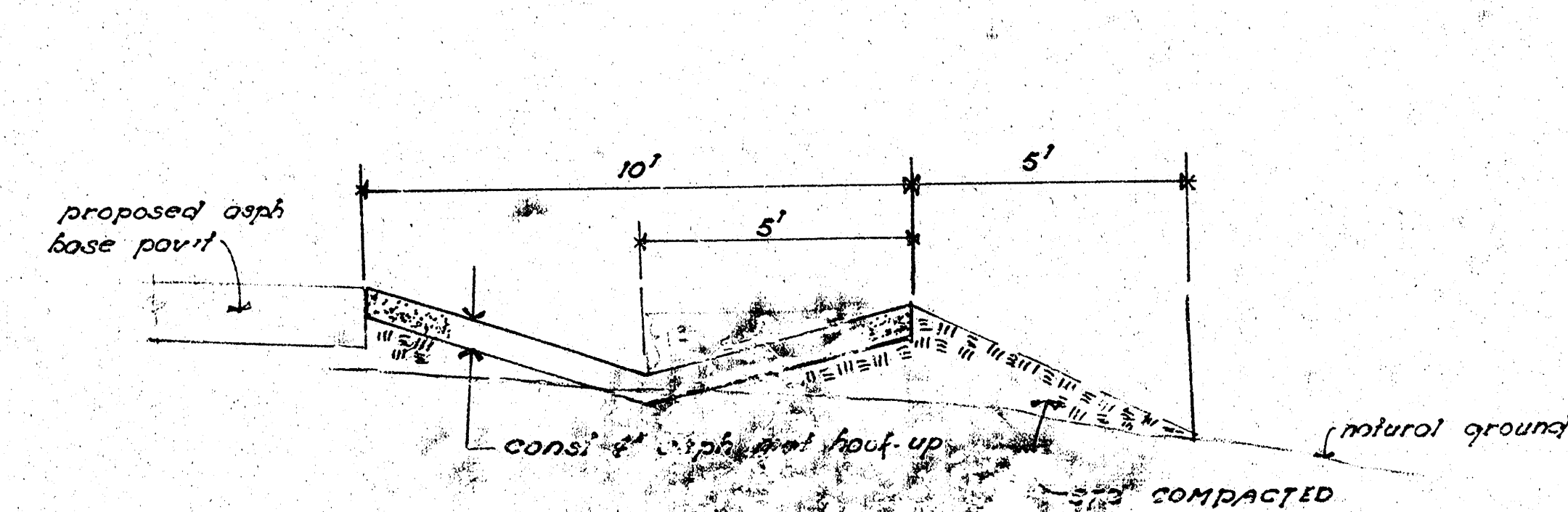
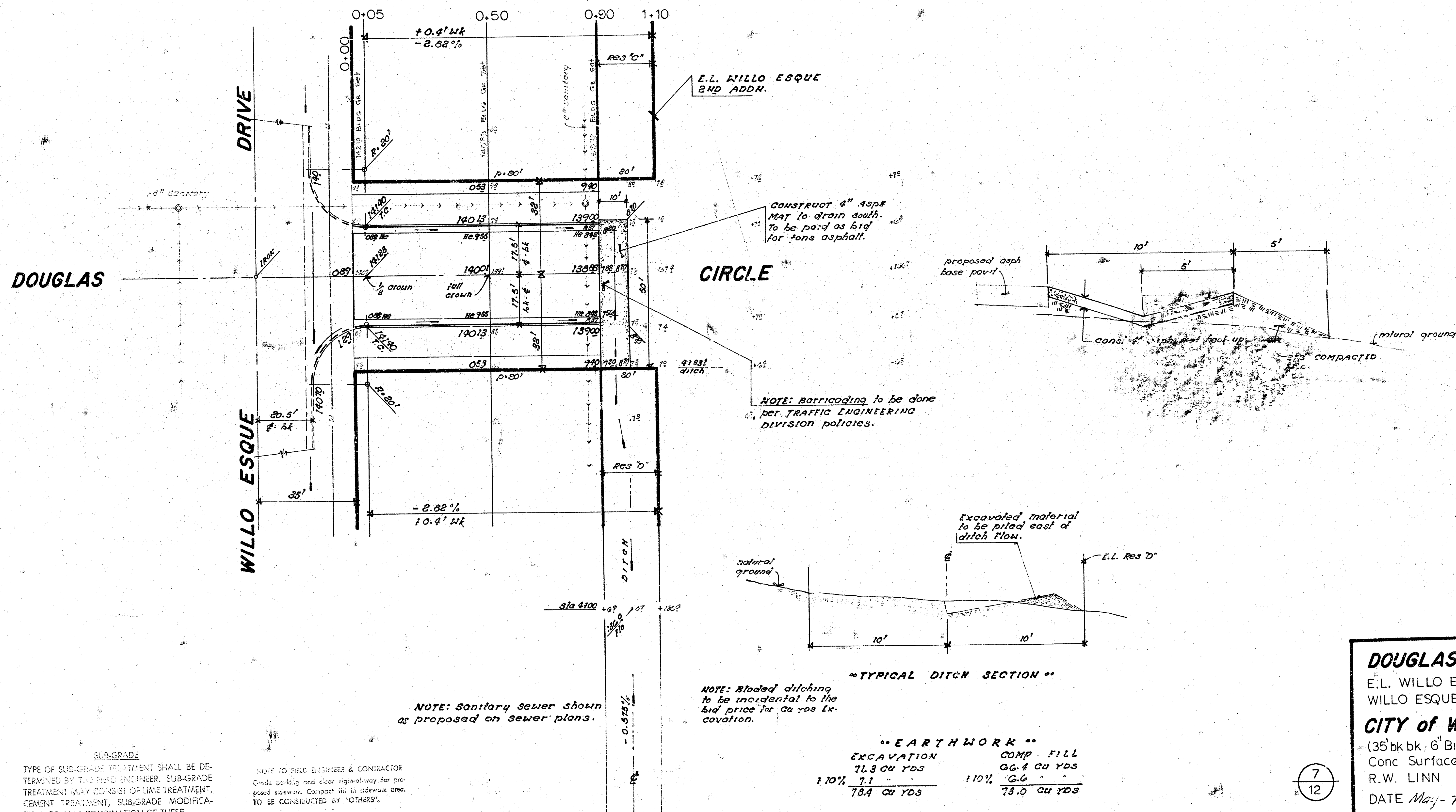
CAUTION
UNDERGROUND UTILITIES
Please call 311 for a list of utilities.
Telephone 311 for location.

WILLO-ESQUE DRIVE
N.L. WILLO-ESQUE FIRST ADDN
TO N.L. DOUGLAS CIRCLE.
CITY OF WICHITA, KANSAS
(41' B-B) 2" Asph Conc wearing surface
7" Bituminous Base w/ Comb Cb & Gt.
R.W. LINN CITY ENGINEER
DATE: May 76 Proj No. DAKC573028

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FILMED FROM THE BEST
AVAILABLE COPY

B.M. = 137.75' Top curb S. Ref. S.W. Cor WILLO-ESQUE DRIVE
and GELMARIE.



NOTE: Sanitary sewer shown
as proposed on sewer plans.

NOTE: Bladed ditching
to be incidental to the
bid price for cut and ex-
cavation.

"EARTHWORK"

EXCAVATION	COMP. FILL
11.3 cu yds	66.4 cu yds
1.1	6.6
78.4 cu yds	73.0 cu yds

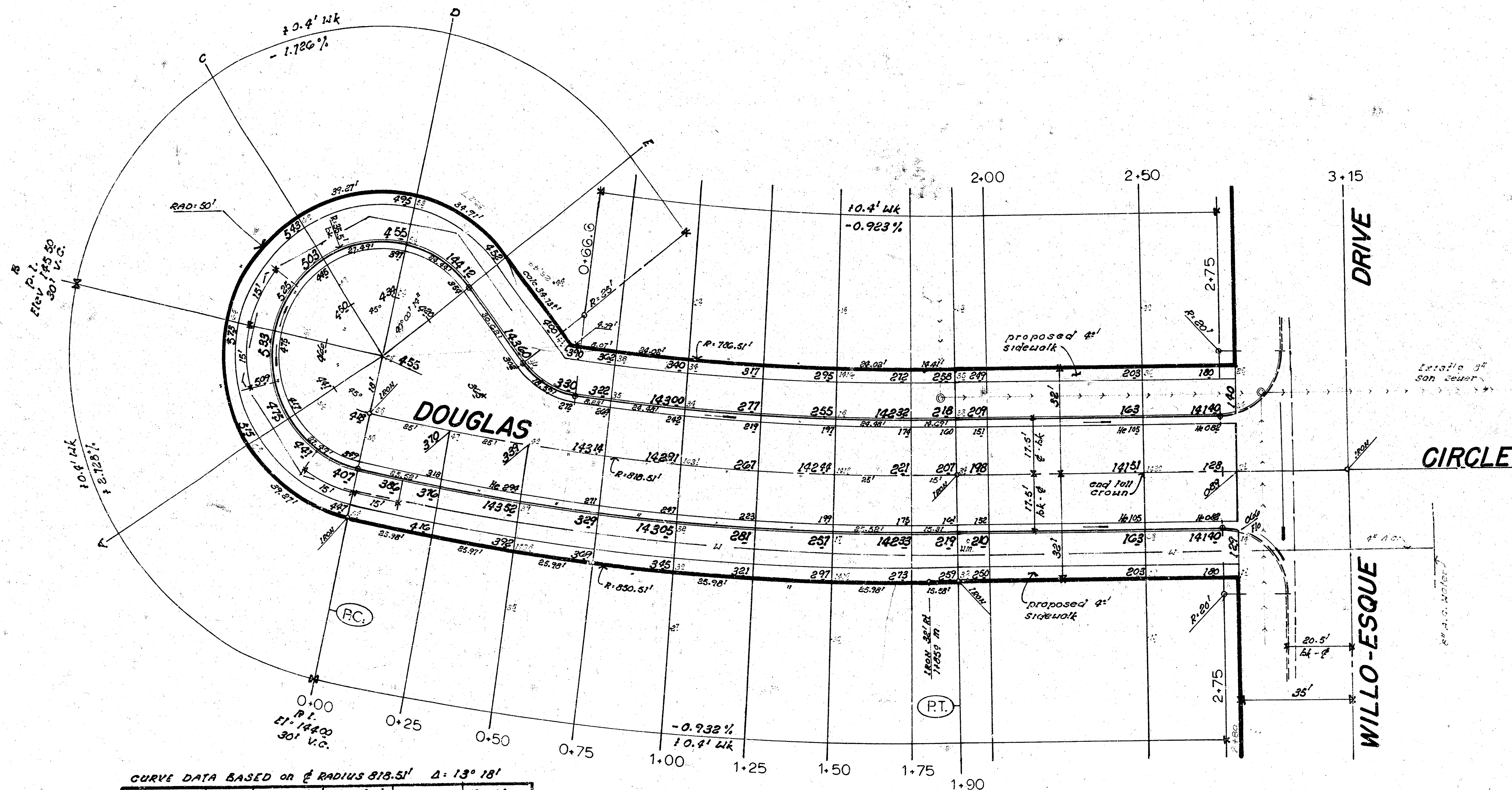
SUBGRADE
TYPE OF SUBGRADE TREATMENT SHALL BE DE-
TERMINED BY THE FIELD ENGINEER. SUBGRADE
TREATMENT MAY CONSIST OF LIME TREATMENT,
CEMENT TREATMENT, SUBGRADE MODIFICA-
TION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for pro-
posed sidewalk. Compact fill to sidewalk area
TO BE CONSTRUCTED BY "OTHERS".

DOUGLAS CIRCLE
E.L. WILLO ESQUE DRIVE To E.L.
WILLO ESQUE 2ND ADDITION.
CITY of WICHITA, KANSAS
(35' bk bk - 6" Bituminous Base - 2" Asph
Conc Surface w/ Comb Curb & Gtr.
R.W. LINN CITY ENGINEER
DATE May - 76 Proj No DAKC573028

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B.M. 137.95 "D" Top Curb S.W. Cor WILLO-ESQUE DRIVE
and CRYMARIE.



CURVE DATA BASED ON $\frac{1}{2}$ RADIUS 818.51' $\Delta = 13^\circ 18'$

STATION	ARC	chord 8' to 10' to 12' to 14' to 16' to 18' to 20'	chord 8' to 10' to 12' to 14' to 16' to 18' to 20'	DEFL	TOTAL DEFL
0+00	—	—	—	—	0° 00' 00"
0+25	25.00'	24.24'	25.76'	0° 52' 30"	0° 52' 30"
0+50	25.00'	24.23'	25.76'	0° 52' 30"	1° 45' 00"
0+75	16.6'	16.09'	17.11'	0° 34' 52"	2° 19' 52"
0+100	8.4'	8.14'	8.65'	0° 17' 38"	2° 37' 30"
1+00	25.00'	24.24'	25.76'	0° 52' 30"	3° 30' 00"
1+25	—	24.24'	—	—	4° 22' 30"
1+50	—	24.24'	—	—	5° 15' 00"
1+75	25.00'	24.23'	25.76'	0° 52' 30"	6° 07' 30"
1+90 P.T.	13.00'	12.54'	13.45'	0° 31' 30"	6° 39' 00"

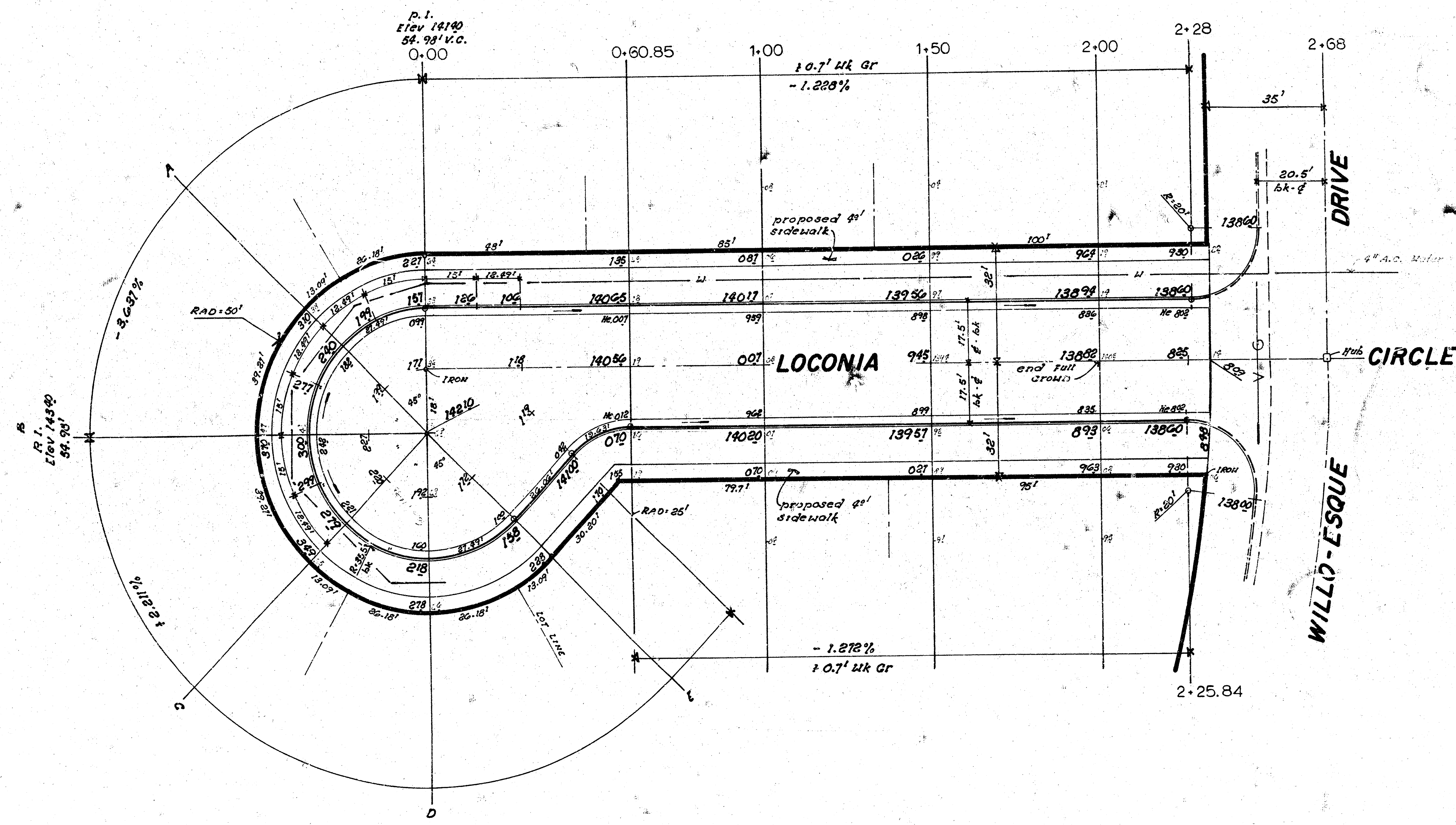
SUBGRADE
TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE ENGINEER. SUBGRADE TREATMENT MAY CONSIST OF GRAVEL TREATMENT, CEMENT TREATMENT, OR ANY COMBINATION OF THESE.

NOTE TO BIDDER ENGINEER & CONTRACTOR
Check stationing and clear right-of-way for all proposed work. Do not construct any "cutback" to be constructed as "outlet".

"EARTH WORK"
EXCAVATION 981.1 cu yds
+ 10% 98.1 " " 1079.1 cu yds
COMP. FILL 32.0 cu yds
+ 10% 3.2 " " 35.2 cu yds

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DOUGLAS CIRCLE
W.L. WILLO-ESQUE DRIVE TO &
INCLUDING CUL-DE-SAC.
CITY OF WICHITA, KANSAS
(35" Bituminous Base - 2" Asph.
Conc Surface w Comb Curb & Gtr.)
R.W. LINN CITY ENGINEER
DATE MAY 74 Proj No. DAKC573028



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

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade, paving and clear right-of-way for proposed sidewalk. Compact 4" thick subgrade area to be constructed by "OTHERS".

EARTHWORK			
EXCAVATION		COMP. FILL	
1043.6 cu yds		15.8 cu yds	
110%	1154.0 cu yds	10%	17.4 cu yds

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LOCONIA CIRCLE
W.L. WILLO-ESQUE DRIVE TO & INCLUDING CUL-DE-SAC.
CITY of WICHITA, KANSAS
(35 bk-bk 6" Bituminous Base - 2" Asph Conc Surface w/ Comb Curb & Gtr.)
R.W. LINN CITY ENGINEER
DATE MAY-74 Proj No. DAKC573028