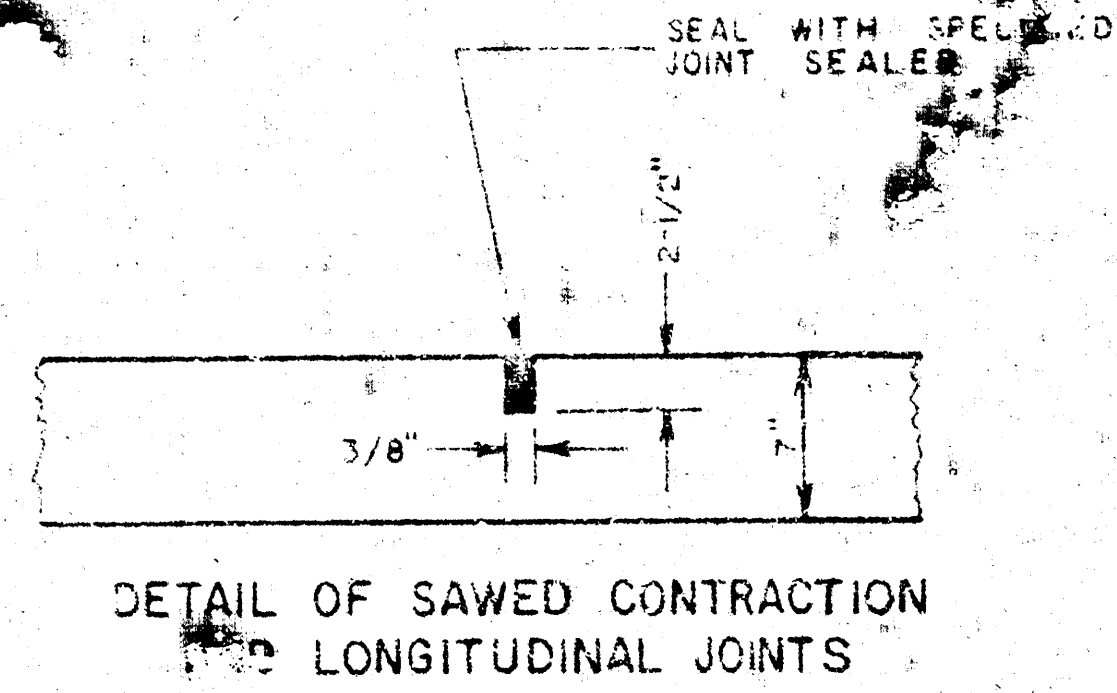
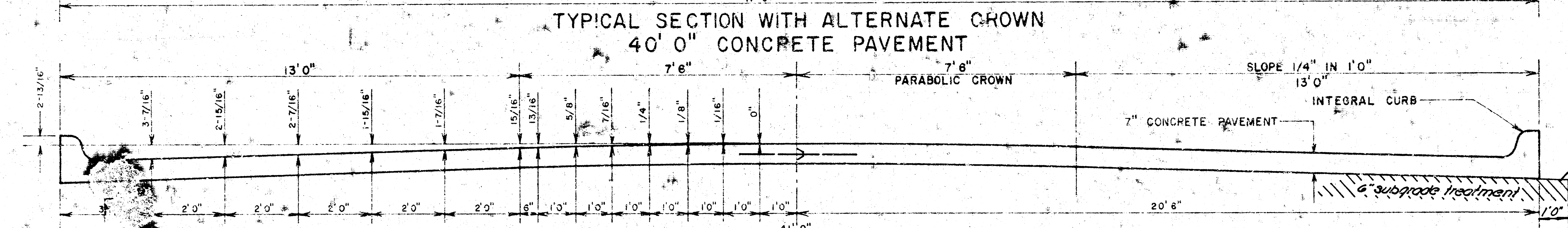
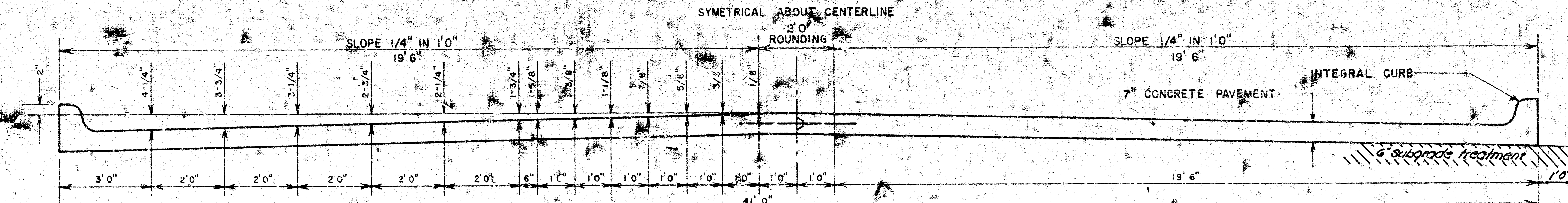
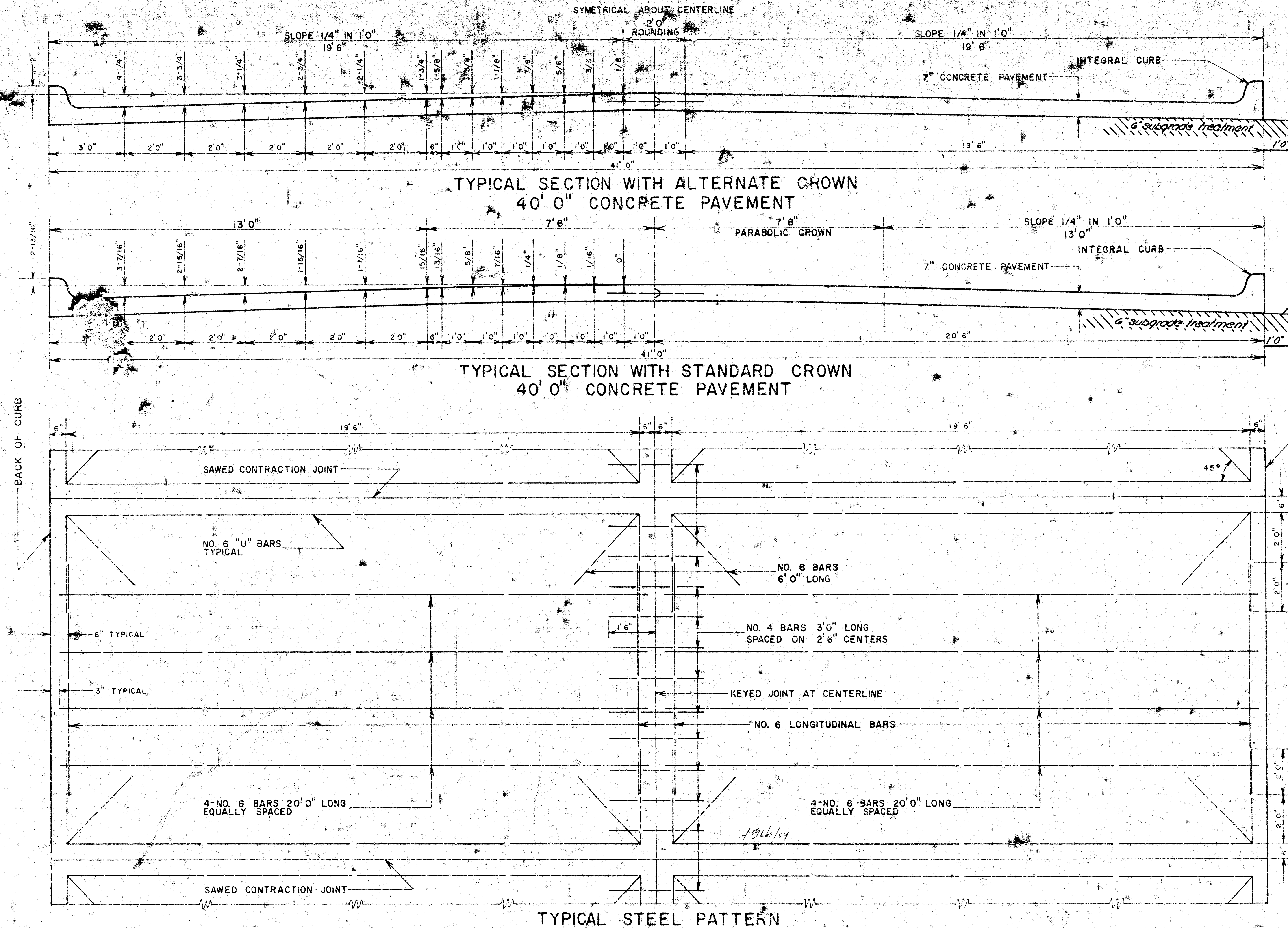
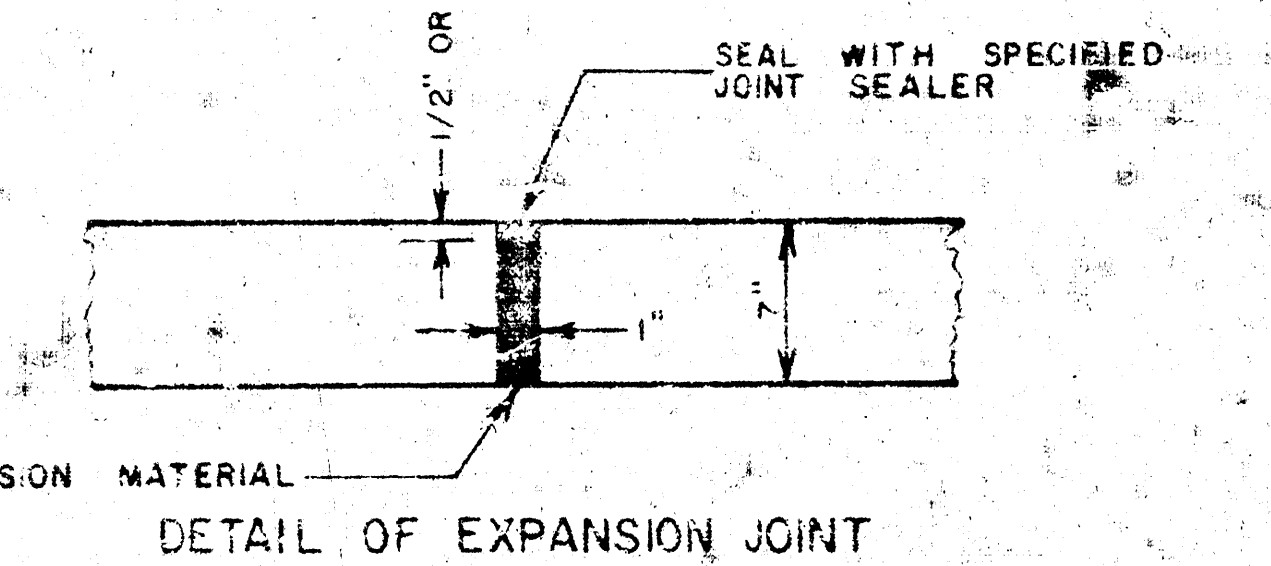


33rd St. So. Circle
W.L. WEST ST. TO & INC. CUL-DE-SAC
PROJ. NO. DAKS574078
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

SAWED CONTRACTION JOINTS ARE TO BE CONSTRUCTED AT 30' 0" INTERVALS EXCEPT WHERE AN EXPANSION JOINT IS USED.

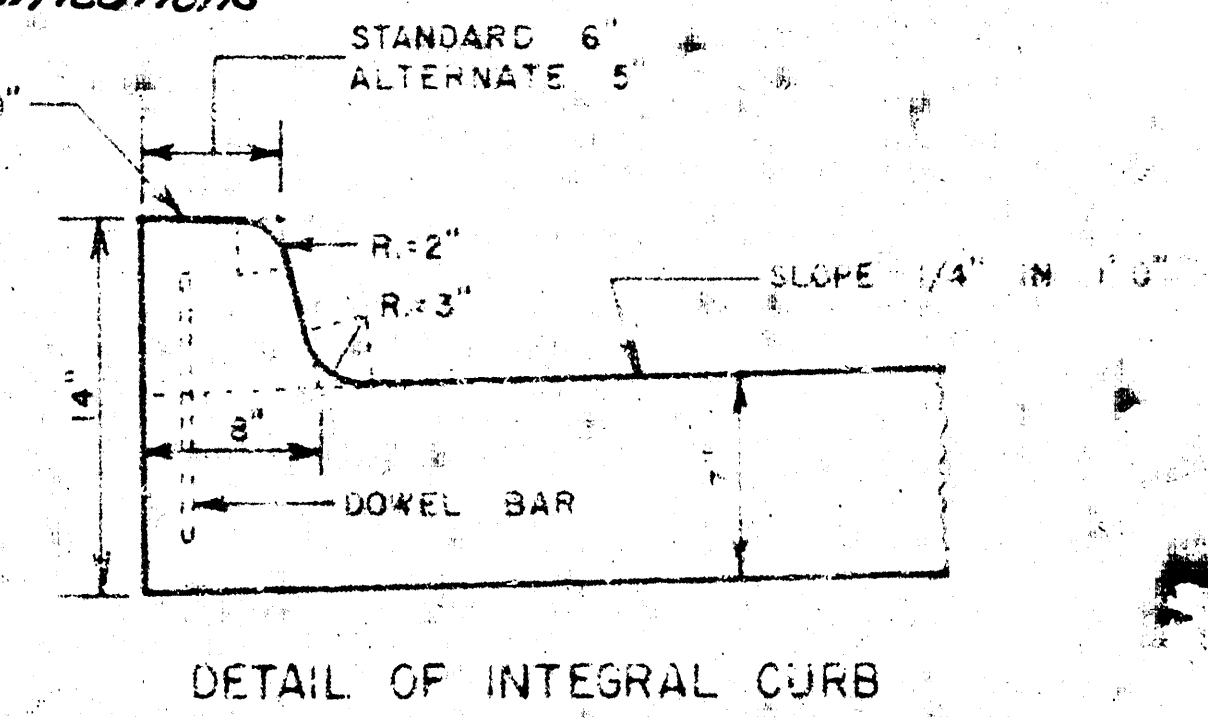


EXPANSION JOINTS ARE TO BE CONSTRUCTED AT 120' 0" INTERVALS.



sub grade treatment as per City specifications

sub grade treatment as per City specifications



INTEGRAL CURB SHALL BE CUT THROUGH TO THE PAVEMENT IN UNIFORM LENGTHS OF NOT MORE THAN TEN FOOT INTERVALS BETWEEN EXPANSION JOINTS. EXPANSION JOINTS HAVING THE SAME THICKNESS AS THE EXPANSION JOINTS IN THE PAVEMENT SHALL BE CONSTRUCTED IN THE INTEGRAL CURB AT THE SPECIFIED LOCATIONS. NUMBER 4 OR NUMBER 6 DOWELS SHALL BE INSTALLED IN THE INTEGRAL CURB AS SHOWN ON APPROXIMATELY 2' 6" CENTERS. PAVEMENT GRADES SHOWN ON PLANS ARE FOR STANDARD CROWN.

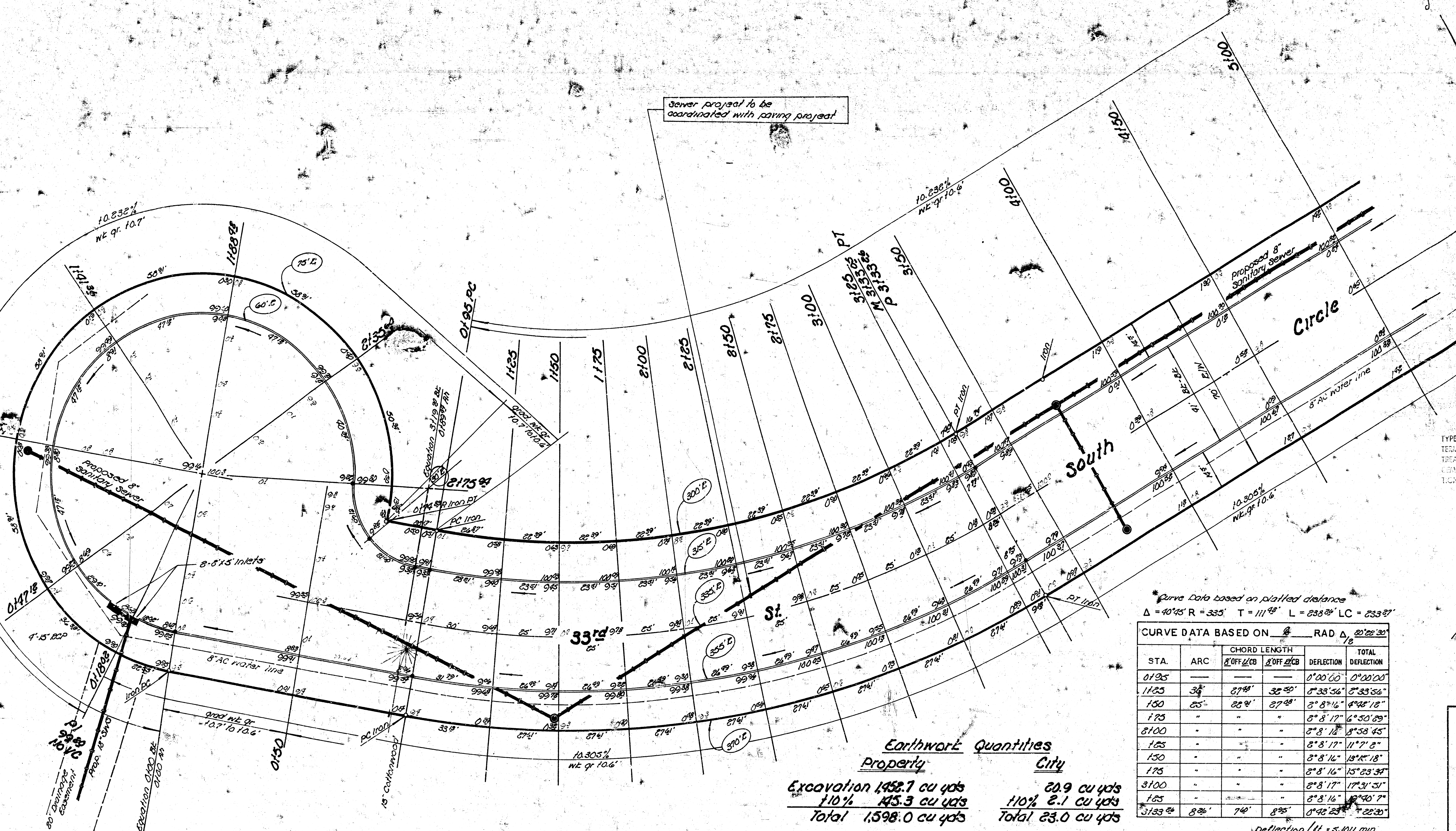


1/6

5033/103 - E/W

BM 1037 City St. @ 31st St. and West St. 53' 5" ± 74' 30" at E. 1011
 BM 1007 E. 1011 @ 31st St. and West St. 103' 10" at N. 39° 51' 30" Circle
 BM 1037 City St. @ 31st St. and West St. 53' 5" ± 74' 30"

Sewer project to be coordinated with paving project



SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY BE ANY OF THE FOLLOWING: GROUTING, FILLING, OR ANY COMBINATION OF THESE.

*Curve Data based on plotted distance
 Δ = 40° 45' R = 335' T = 111' 48" L = 238' 28" LC = 233' 27"

CURVE DATA BASED ON Δ RAD Δ					
STA.	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		CHORD	CHORD		
0+195	-	-	-	0° 00' 00"	0° 00' 00"
1+125	34'	27' 48"	35' 30"	8° 33' 56"	8° 33' 56"
1+150	25'	20' 9"	27' 48"	8° 8' 16"	17° 42' 12"
2+100	-	-	-	8° 8' 16"	26° 30' 28"
2+125	-	-	-	8° 8' 16"	35° 18' 44"
2+150	-	-	-	8° 8' 16"	44° 07' 00"
3+100	-	-	-	8° 8' 16"	52° 55' 16"
3+125	-	-	-	8° 8' 16"	61° 43' 32"
3+150	-	-	-	8° 8' 16"	70° 31' 48"

Deflection/Ht. = 5.1011 min.

Earthwork Quantities	
Property	City
Excavation 1452.7 cu yds	20.9 cu yds
110% 145.3 cu yds	110% 2.1 cu yds
Total 1,598.0 cu yds	Total 23.0 cu yds

33rd Street South Circle
 NL West Street
 to 1st Ina. Cul-de-sac
 40' conc. pavt. & curb
 City of Wichita, Kansas
 R.W. Linn City Engineer
 Date 2/1/78 Proj. DAK5574078

