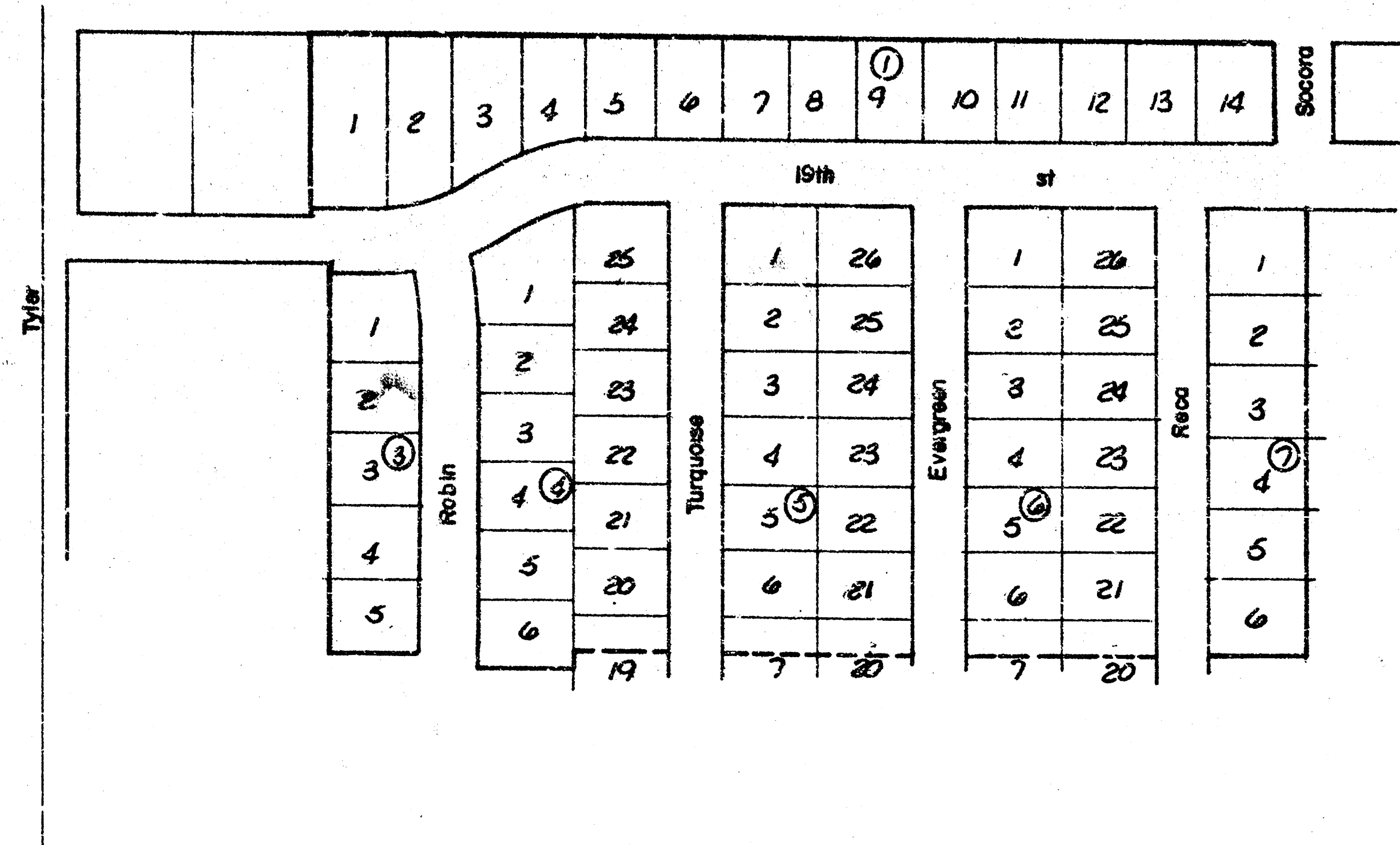
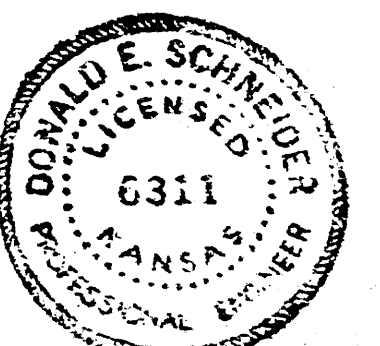


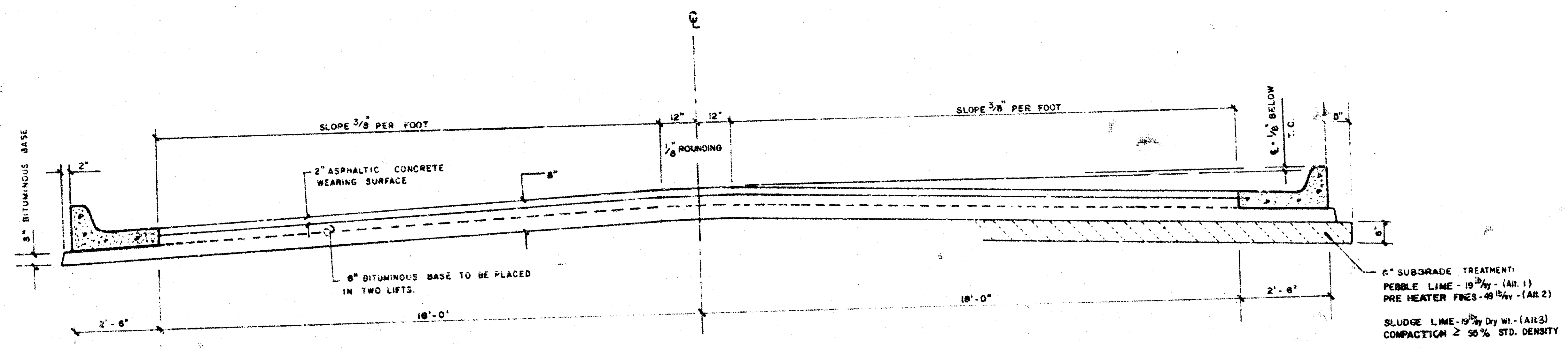
19th st North
from WL blks 1&3 to EL lot1 blk 7
Westlink Village 16th Addition

NOTE: THE FIRST ITEM OF WORK TO BE COMPLETED ON THIS PROJECT WILL BE THE CONSTRUCTION OF INLET HOOKUPS WHERE REQUIRED TO PERMIT PROPER DRAINAGE FROM EXISTING PAVEMENT TO EXISTING INLETS.



Department of Engineering
City of Wichita, Kansas
R. W. Bruggeman Director Engineering / City Engineer
Proj. no. 472-76-245-80745-000-000-00!
Date _____



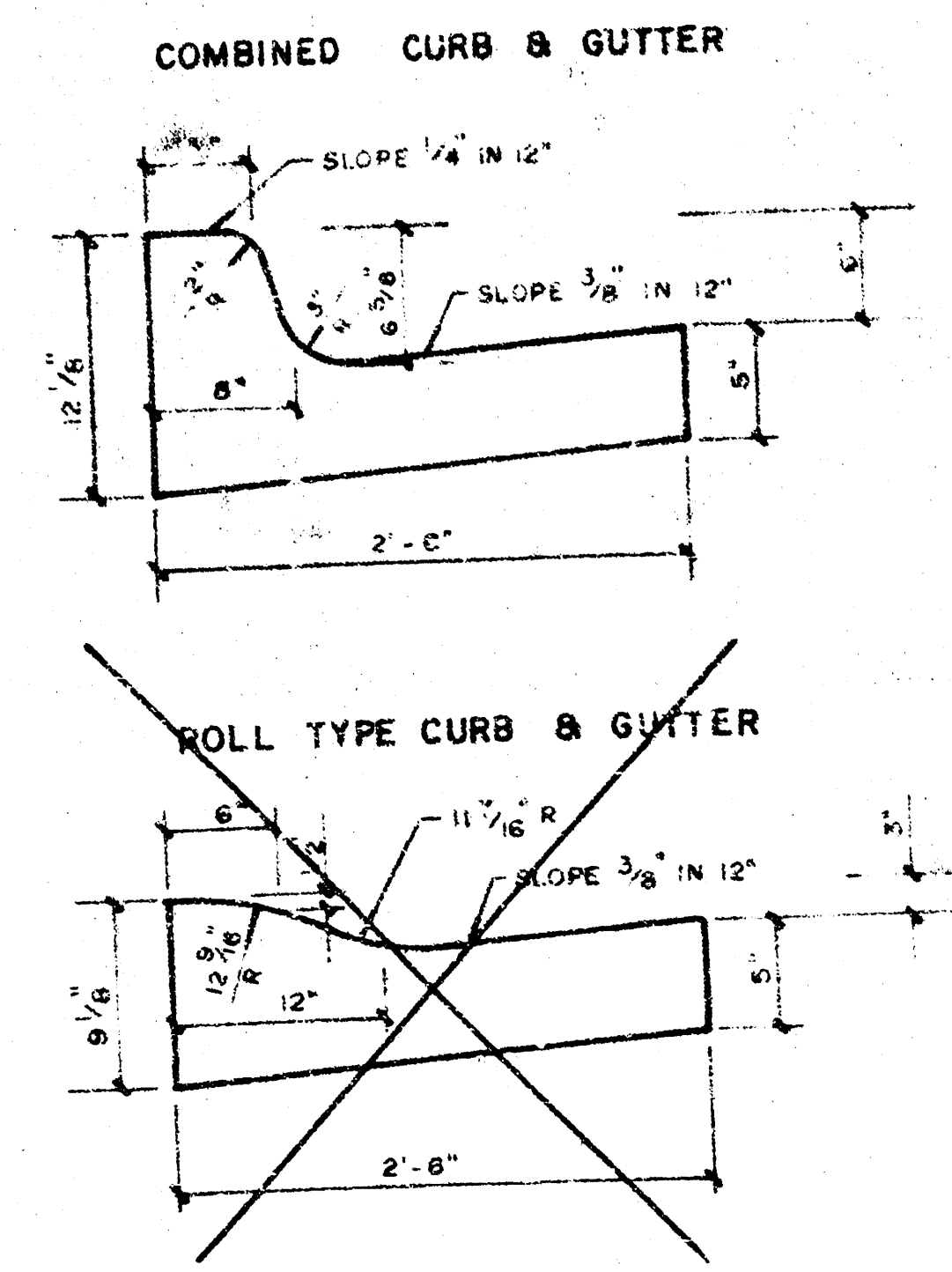


TYPICAL SECTION

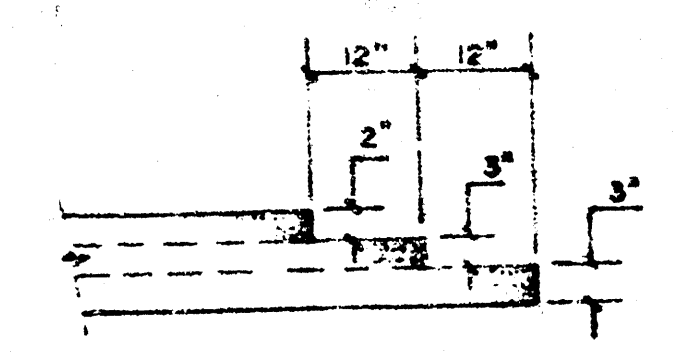
37' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPH(55-1H or CSS-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 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 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 COMBINED CURB AND GUTTER SHALL BE PAID AS SQ YDS 8" A.C. PAVEMENT 16" BITUMINOUS BASE 1. THE BITUMINOUS BASE UNDER THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQ YDS 3" BITUMINOUS BASE.

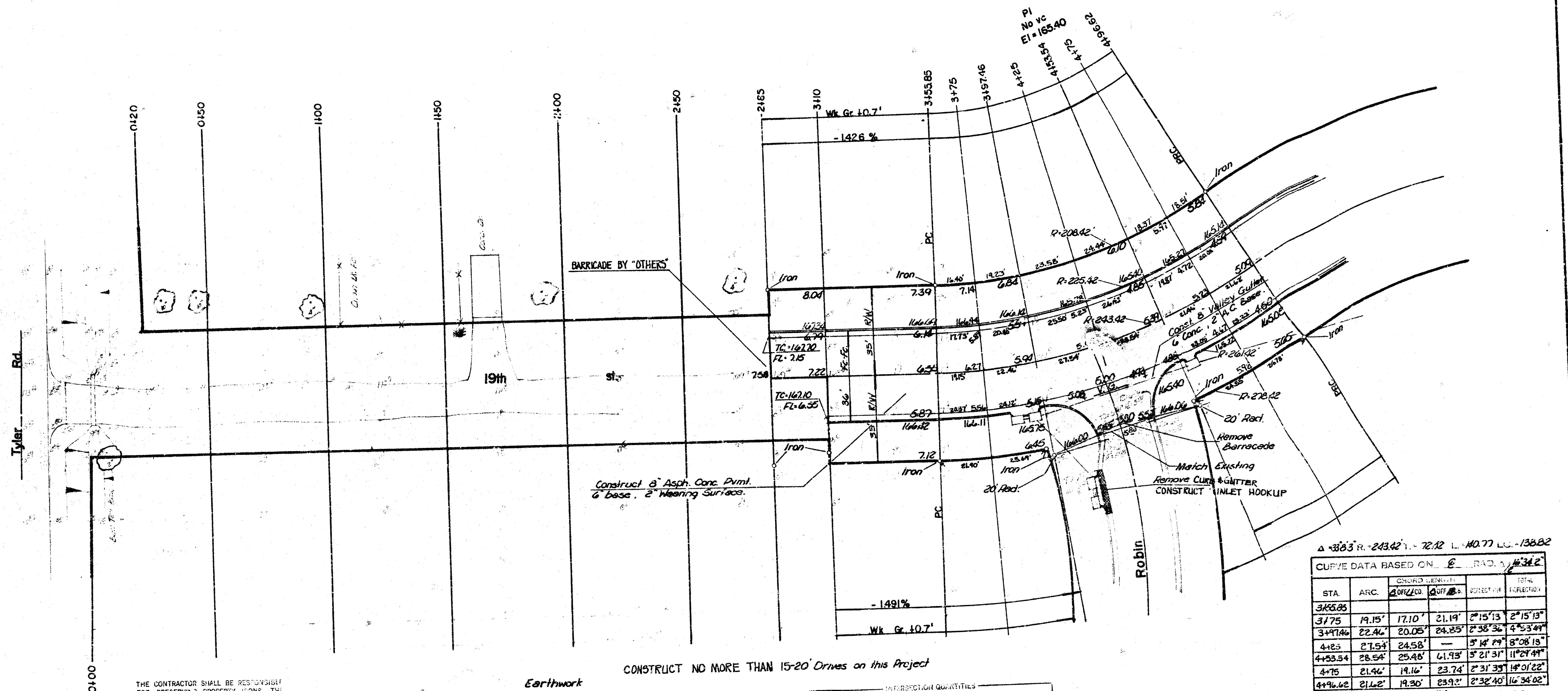


DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



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 A.C. PAVEMENT.

CITY OF WICHITA, KANSAS



THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY LINES. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY LINES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH LINES SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

CONSTRUCT NO MORE THAN 15-20' Drives on this Project

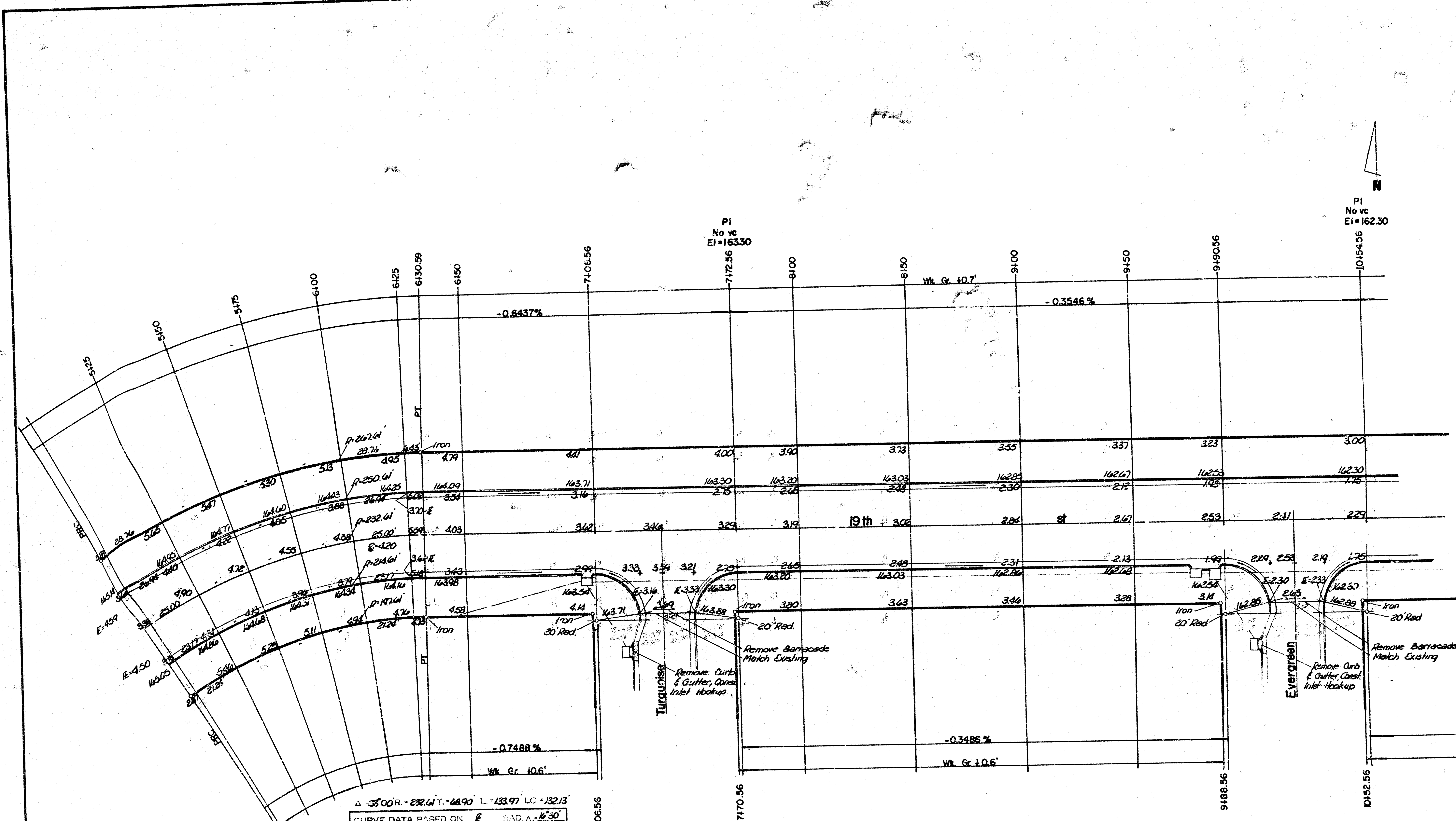
	Property	Earthwork City
Excavation	2239.2 CY	616.8 CY
+10%	2239 CY	61.7 CY
Total	2463.1 CY	678.5 CY
Manipulation	51434SY	

CONTRACTOR TO BID ONLY 1 ALTERNATE FOR SURGRADE TREATMENT.
ALTERNATE CHOSEN BY SUCCESSFUL BIDDER SHALL BE USED
TO CONSTRUCT THIS PROJECT.

INTERSECTION QUANTITIES

S.Y. _____	Concrete C/ement	
<u>103</u> S.Y. <u>8</u>	Asphalitic Conc. Pavement (6") Bituminous Base	
<u>26</u> S.Y. <u>3</u>	Gravel & Stone	
<u>221</u> L.F. Concrete Curb & Gutter		
<u>567</u> L.F. Int. _____		
<u>2</u> EA Int. Hookups		
<u>1</u> EA Remove Barricade		
<u>103.8</u> S.Y. _____	ALT #1 PEBBLE LINE	1.8 TOT
S.Y. _____	ALT #2 PPE HEATER FINES	4.4 TOT
S.Y. _____	ALT #3 SLUDGE LINE (DRY)	1.8 TOT
<u>20</u> LF Curb & Gutter Removal		
<u>1870</u> S.Y. Manipulation		
TOTAL _____		
<u>777</u> S.Y. <u>6</u>	Concrete @ 2" Asphalitic Concrete Base	

19th st. North
from WL Blocks 1 & 3, Westlink Village 16th Addition
to EL lot 1, Block 7, Westlink Village 16th Addition



Δ 35°00' R = 232.61' T = 48.90' L = 133.97' LC = 132.13'

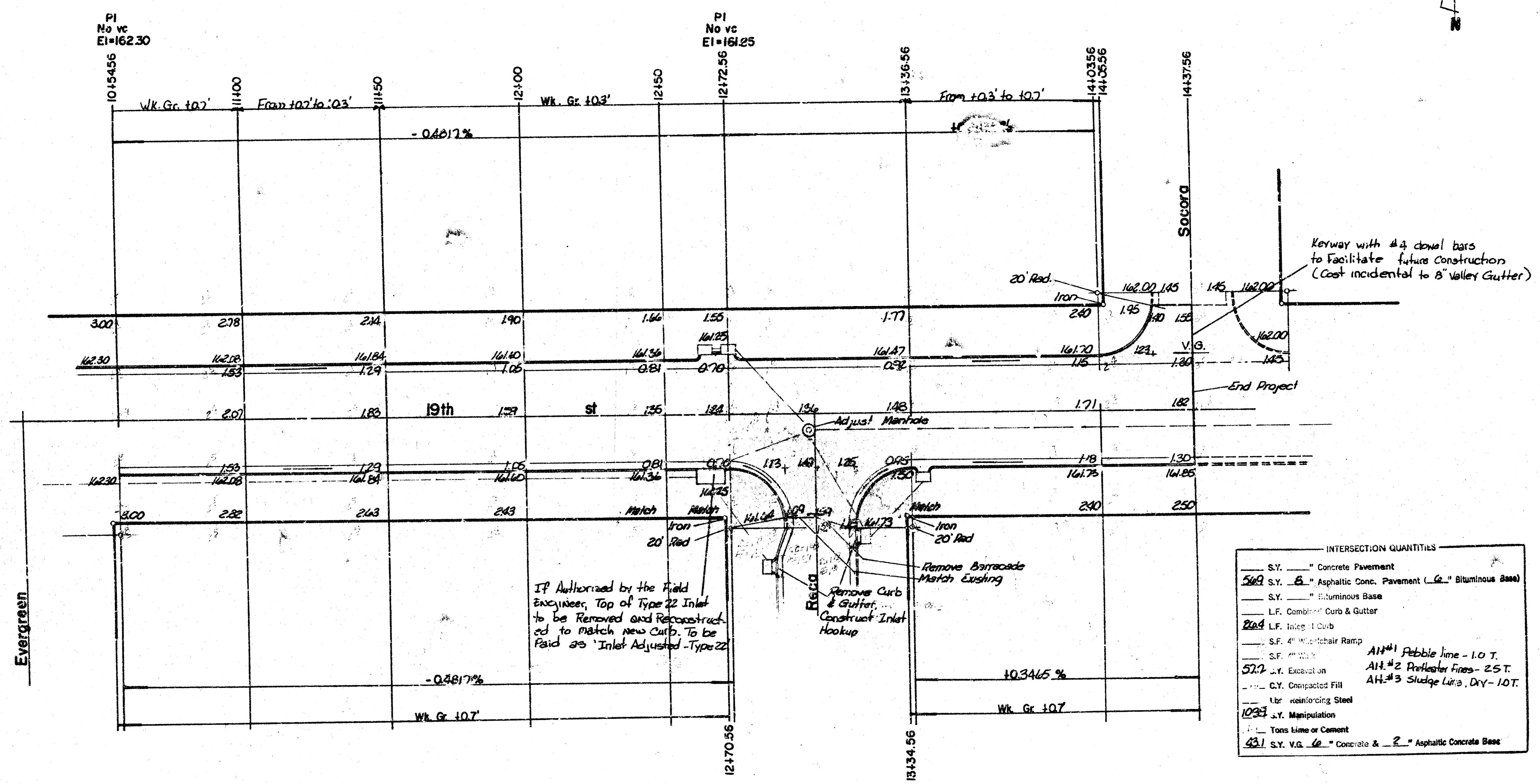
CURVE DATA BASED ON $\frac{1}{2}$ ROAD Δ 30°

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
4196.62				
5100	338	376	9.00	0°24'57"
125	25	2728	22.19	3°04'45"
160				6°34'27"
175				9°39'12"
6100				12°48'34"
125	25	2728	22.19	15°48'40"
13059	559	622	4.97	0°41'18"

Defl. $\frac{1}{2}$ Δ = 7.38° (0.12747)

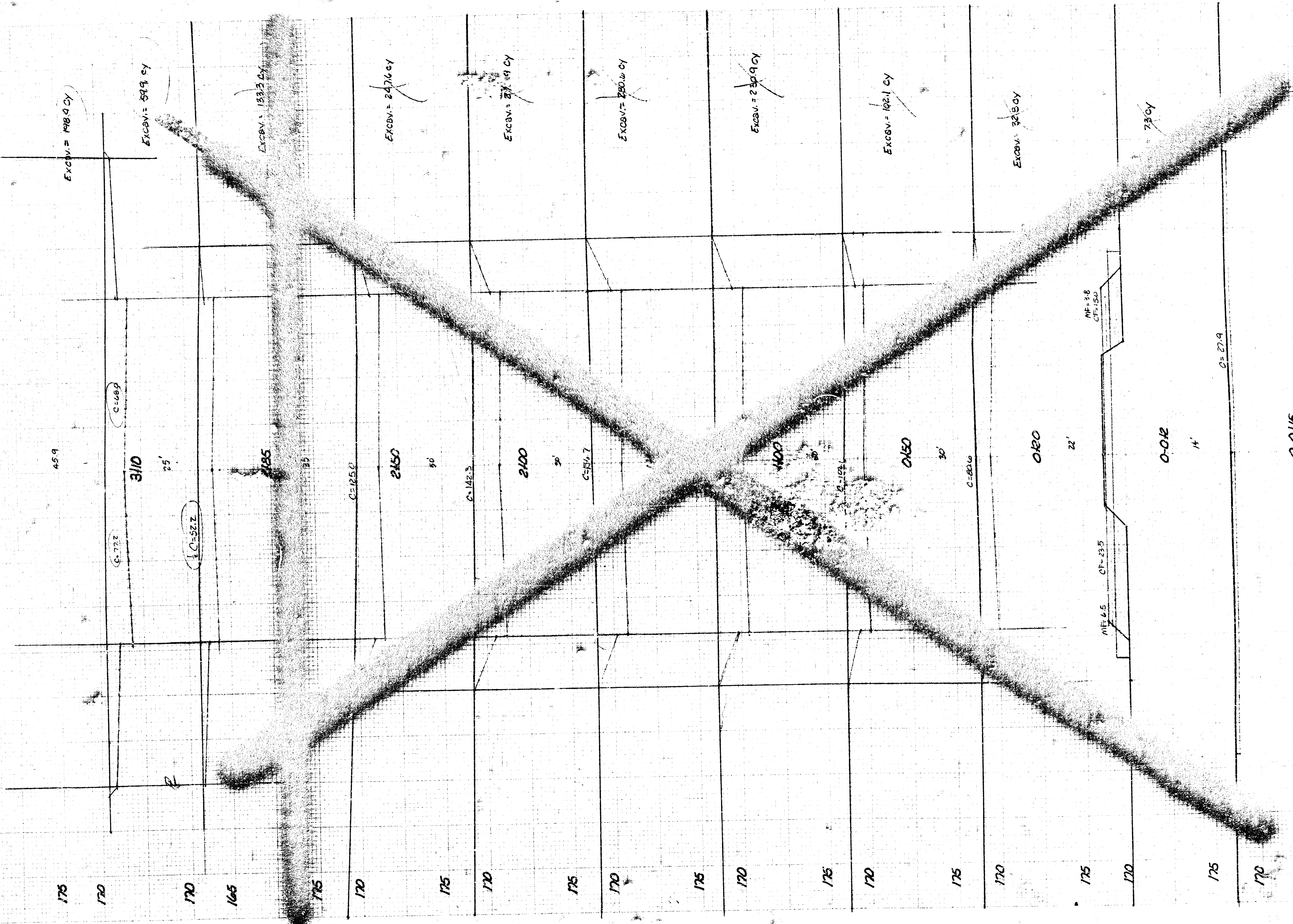
- INTERSECTION QUANTITIES
- 179 S.Y. Concrete Pavement
 - 179 S.Y. Bituminous Conc. Pavement (6" Bituminous Base)
 - 179 S.Y. Bituminous Base
 - 468 L.F. Concrete Curb & Gutter
 - 10 L.F. Curb & Gutter Removal
 - 1 EA Inlet Hookup
 - 1 EA Barricade Removal
 - 110.8 C.Y. Excavation
 - 110.8 C.Y. Compacted Fill
 - 110.8 Lbs. Reinforcing Steel
 - 110.8 Y. Manipulation
 - 110.8 Tons Lime or Cement
 - S.Y. V.G. Concrete & Asphalt Concrete Base
- Alt #1: Pebble Lime - 1.9
Alt #2: Preheated Fines - 4.9
Alt #3: Sludge Lime, Dry - 1.9

- INTERSECTION QUANTITIES
- 1780 S.Y. Concrete Pavement
 - 1780 S.Y. Bituminous Conc. Pavement (6" Bituminous Base)
 - 1780 S.Y. Bituminous Base
 - 668 L.F. Concrete Curb & Gutter
 - 10 L.F. Curb & Gutter Removal
 - 1 EA Inlet Hookup
 - 1 EA Barricade Removal
 - 110.8 Y. Excavation
 - 110.8 C.Y. Compacted Fill
 - 110.8 Lbs. Reinforcing Steel
 - 110.8 Y. Manipulation
 - 110.8 Tons Lime or Cement
 - S.Y. V.G. Concrete & Asphalt Concrete Base
- Alt #1: Pebble Lime - 1.9
Alt #2: Preheated Fines - 4.9
Alt #3: Sludge Lime, Dry - 1.9

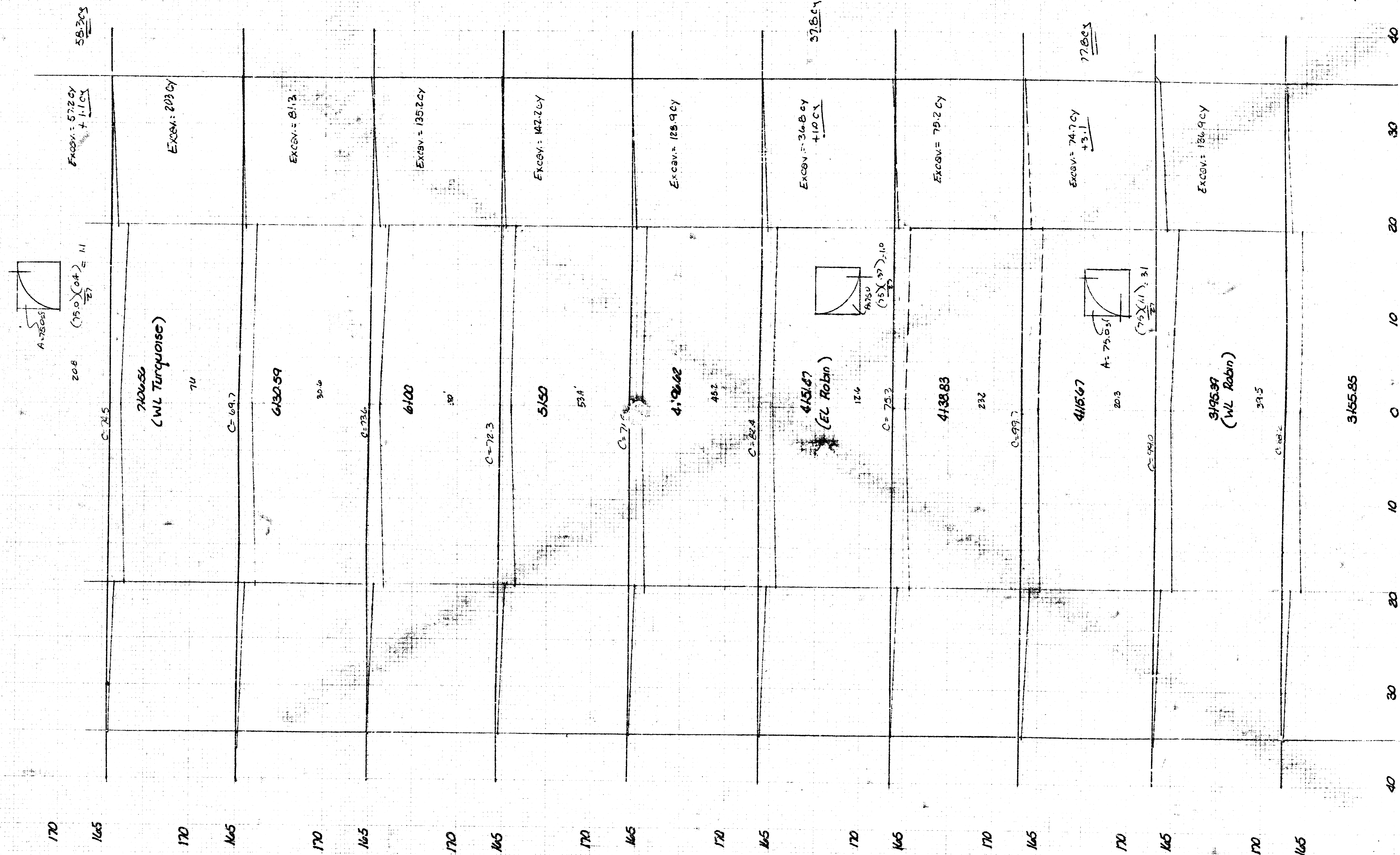


INTERSECTION QUANTITIES	
S.Y.	Concrete Pavement
569 S.Y.	Asphaltic Conc. Pavement (1.6\"/>
S.Y.	Bituminous Base
L.F.	Combined Curb & Gutter
224	L.F. Inlet Curb
S.F.	Manhole Ramp
S.F.	Manhole
57.7	C.Y. Excavation
C.Y.	Compacted Fill
Lbs.	Reinforcing Steel
1093	S.Y. Manipulation
Tons	Line or Cement
431 S.Y.	V.G. 1.6\"/>

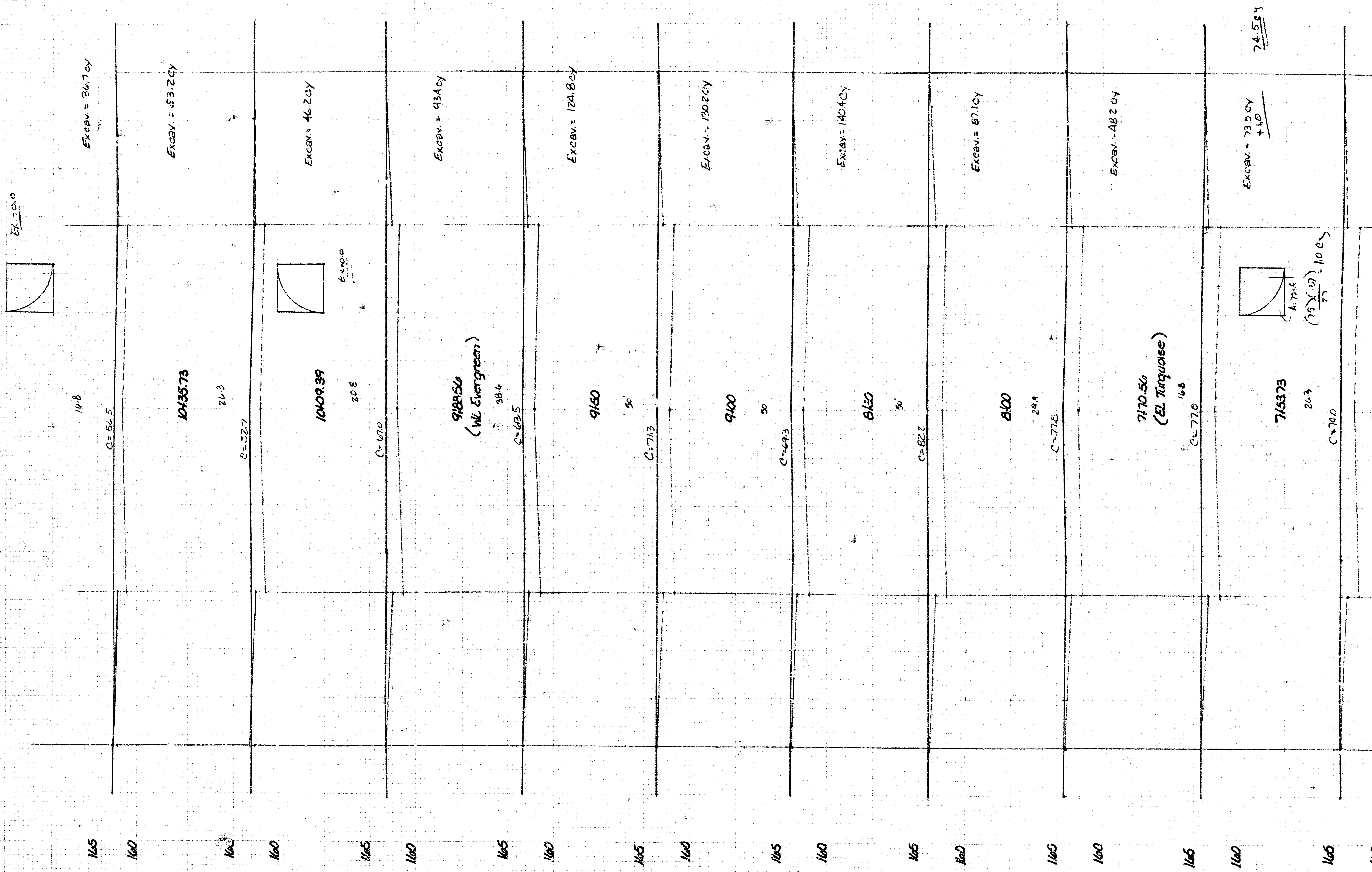
INTERSECTION QUANTITIES	
S.Y.	Concrete Pavement
4790 S.Y.	Asphaltic Conc. Pavement (1.6\"/>
174	S.Y. Bituminous Base
268	L.F. Combined Curb & Gutter
20	L.F. Curb & Gutter Removal
1	EA Adjust Manhole
1	EA Barricade Removal
1108	C.Y. Excavation
44	C.Y. Compacted Fill
2	EA Inlet Hookup
1895	S.Y. Manipulation
Tons	Line or Cement
S.Y.	V.G. 1.6\"/>



Station	Excavation (This Sheet)	Excavation (Total)
0+00	188.9 CY	188.9 CY
0+10	58.9 CY	247.8 CY
0+20	133.3 CY	381.1 CY
0+30	24.6 CY	405.7 CY
0+40	27.9 CY	433.6 CY
0+50	280.6 CY	714.2 CY
0+60	230.9 CY	945.1 CY
0+70	102.1 CY	1047.2 CY
0+80	32.8 CY	1080.0 CY
0+90	7.3 CY	1087.3 CY
0+100		1087.3 CY



Earthwork (This Sheet)
Excavation 10766cy



Earthwork (This sheet)
Excavation 834.7 cy

$$\frac{10}{10}$$
