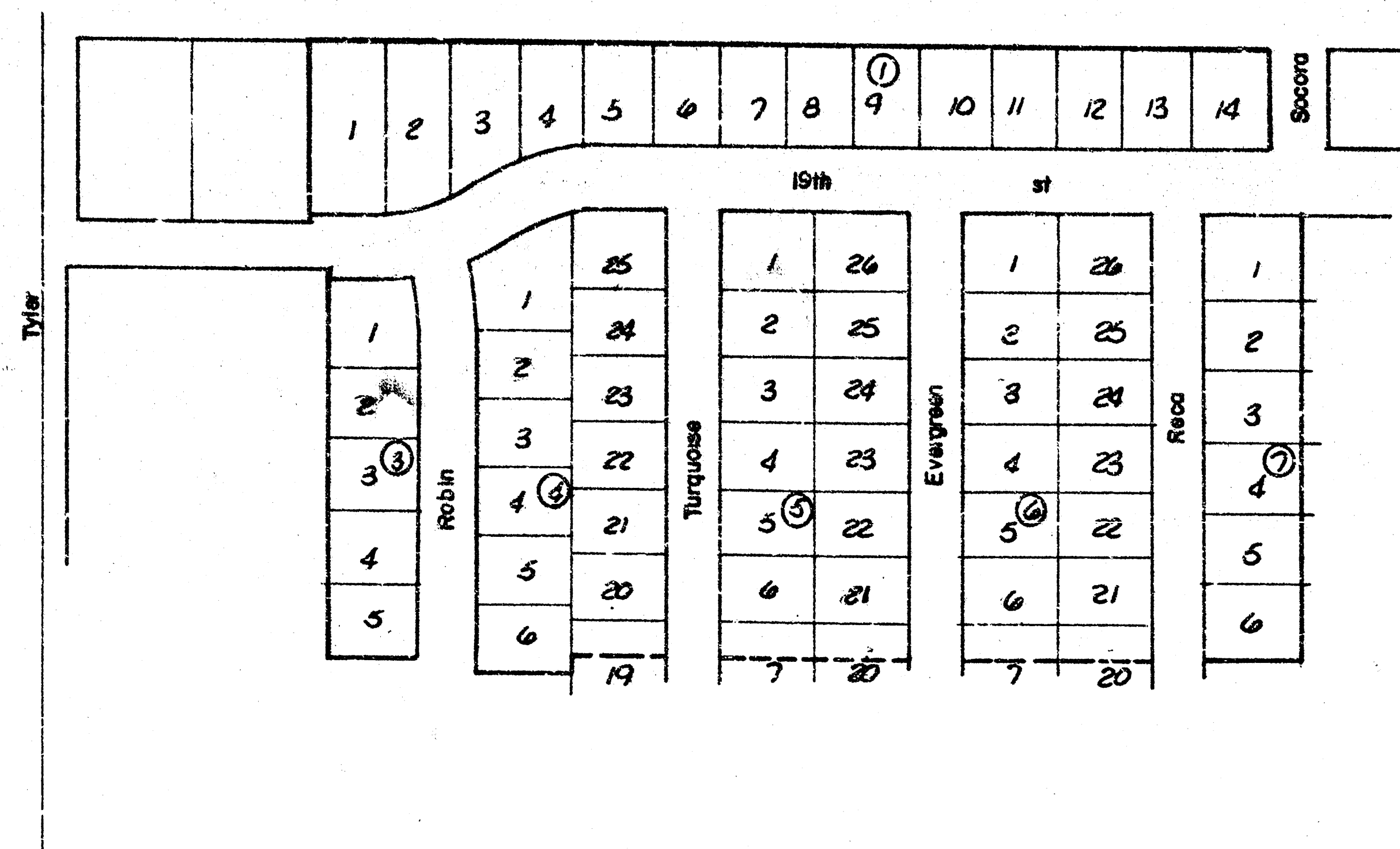
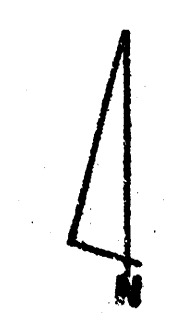
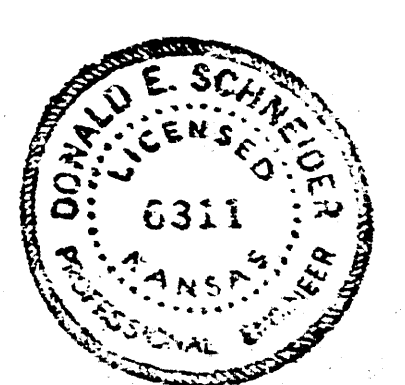


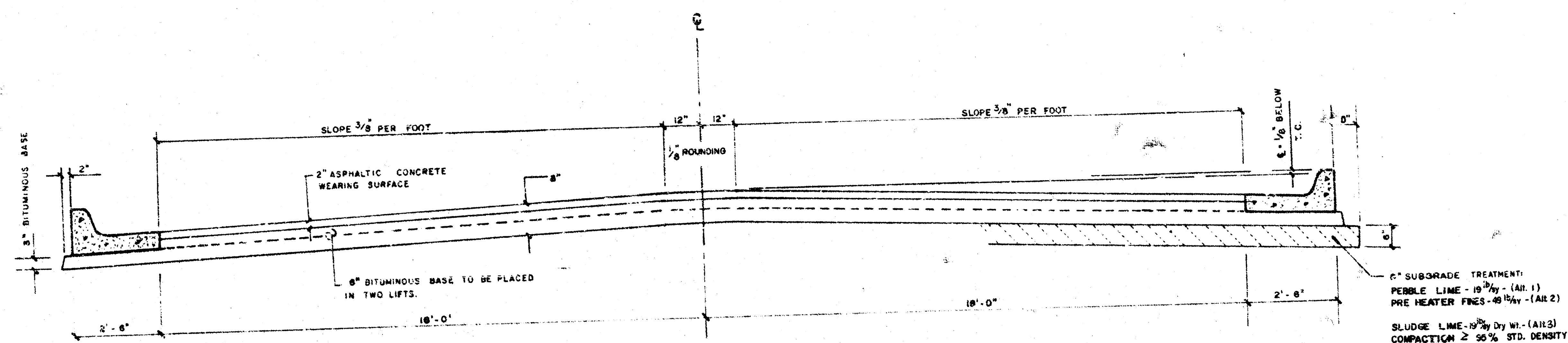
19th st North
from WL blks 1&3 to EL lot1 blk 7
Westlink Village 16th Addition

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.

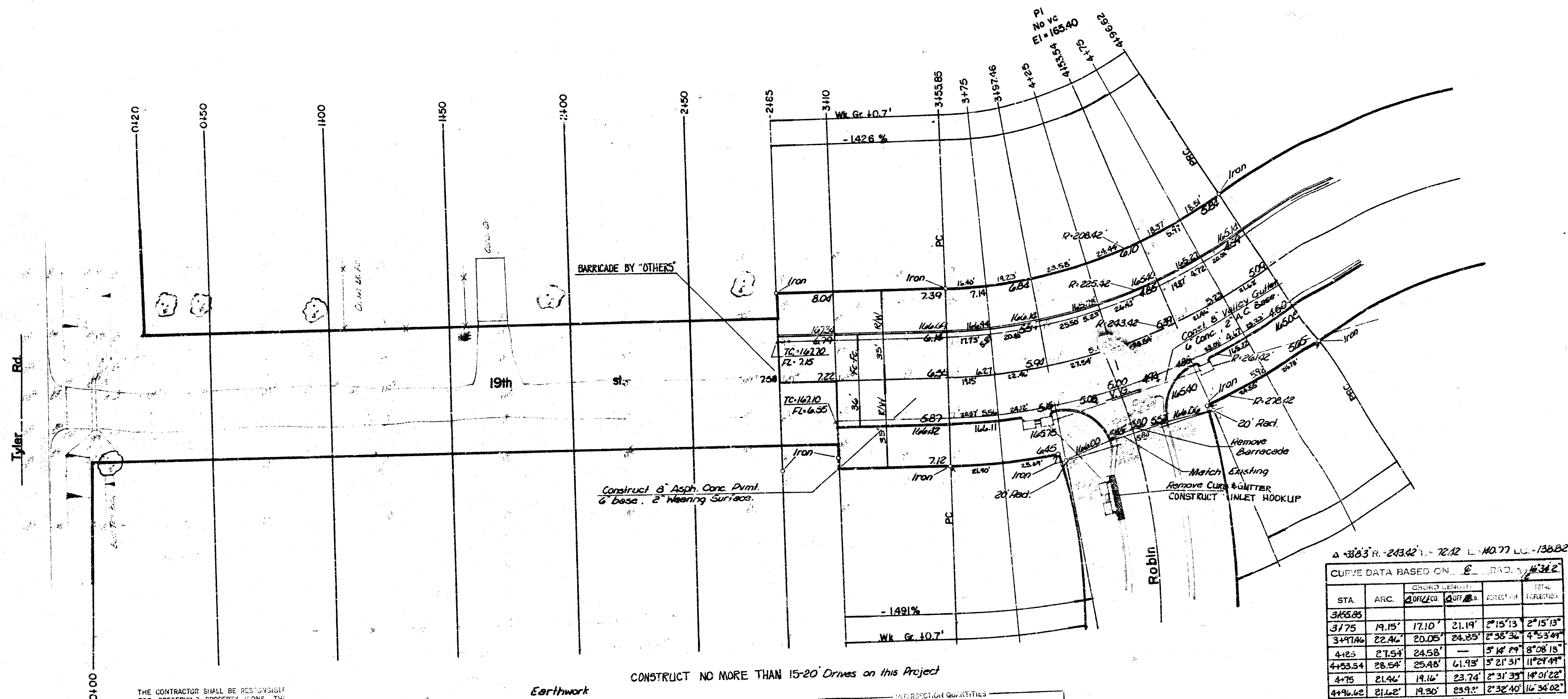
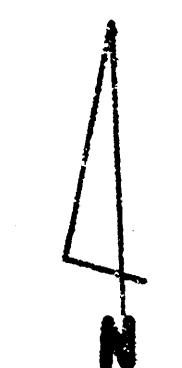


Department of Engineering
City of Wichita, Kansas
R. W. Bruggeman Director Engineering / City Engineer
Proj. no. 472-76-245-80745-000-000-00!
Date _____





BM 174.69 SW cor. conc. porch, house no. 1956 N. Tyler
BM 172.43 City Std. 31' S. and 36' E. of 1/4 Sec. Cor. Tyler Rd. & 17th St N.
BL is C.R.O.W.



Δ = 33.3° R = 243.42' L = 72.12' L = 40.77' L = 138.82'

CURVE DATA BASED ON E. RAD. A. 434.2'

STA.	ARC.	CHORD LENGTH		CORRECTED	TOTAL
		20' OFF	20' ON		
3+55.85					
3+75	19.15'	17.10'	21.19'	2°15'13"	2°15'13"
3+97.46	22.46'	20.05'	24.25'	2°38'36"	4°53'49"
4+25	27.54'	24.58'		3°18'29"	8°08'18"
4+53.54	28.54'	25.48'	41.93'	3°21'31"	11°29'49"
4+75	21.46'	19.16'	23.74'	2°31'39"	14°01'22"
4+96.62	21.62'	19.30'	23.92'	2°32'40"	16°34'02"

DEFL. $\frac{1}{100} = 7.061348227$

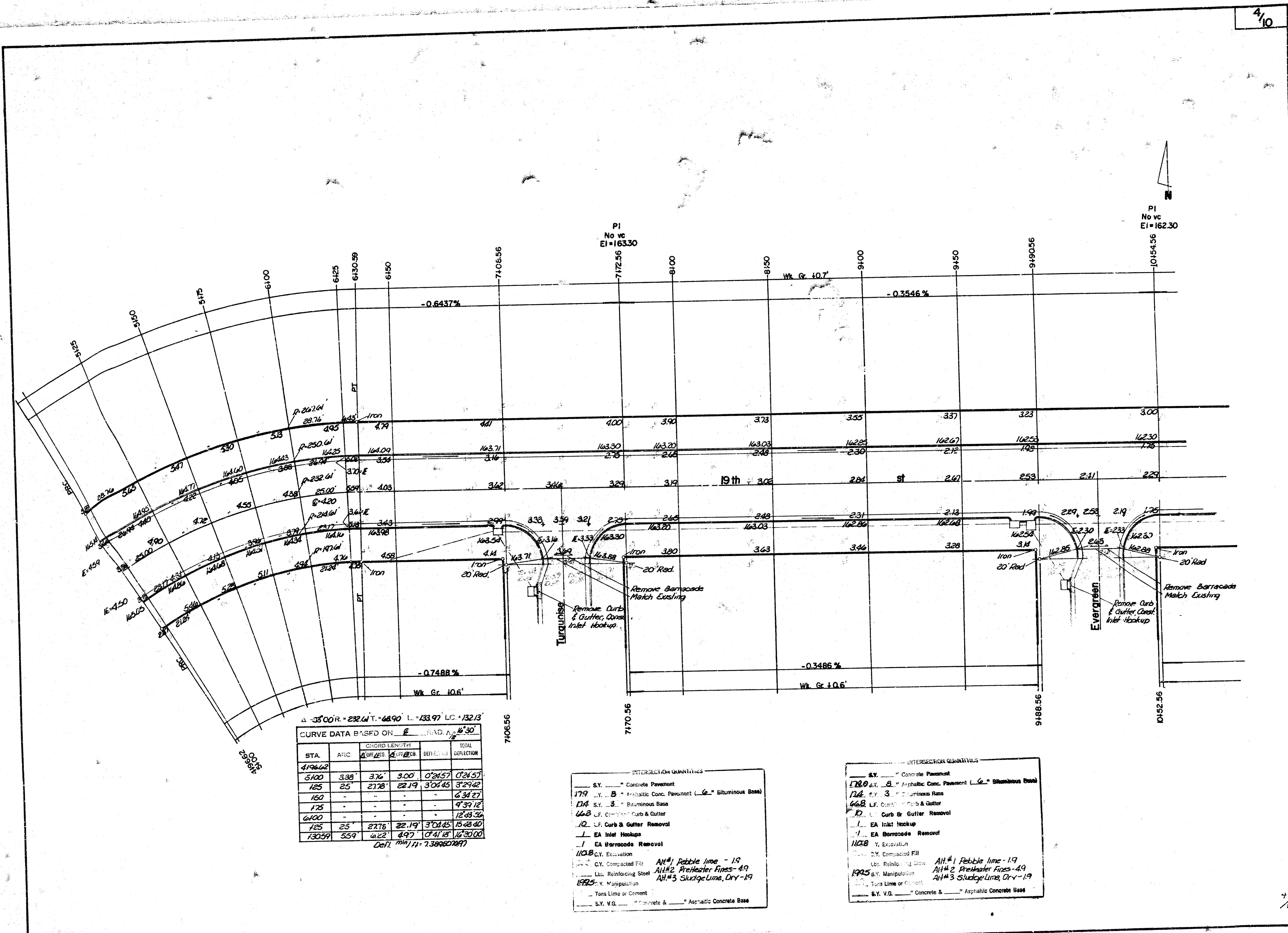
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE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

Earthwork			
	Property	City	
Excavation	2239.2 CY	616.8 CY	
110%	2259 CY	617 CY	
Total	2463.1 CY	678.5 CY	
Manipulation	5143.4 SY		

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

INTERSECTION QUANTITIES	
103 S.V.	8" Asphaltic Concrete Pavement (6" Bituminous Base)
206 S.V.	3" Asphaltic Concrete Pavement (6" Bituminous Base)
221 S.V.	1" Asphaltic Concrete Pavement (6" Bituminous Base)
567 S.V.	1" Asphaltic Concrete Pavement (6" Bituminous Base)
2 EA	EA Inlet Hookups
1 EA	EA Remove Barricade
103.3 CY	ALT #1 PEBBLE LINE 1.5 TONS
	ALT #2 PPE HEATER FIBES 4.4 TONS
	ALT #3 SLUDGE LINE (DRY) 1.5 TONS
20 LF	LF Curb & Gutter Removal
1870 S.V.	S.V. Manipulation
772 S.V.	6" Concrete & 2" Asphaltic Concrete Base

19th St. North
from WL Blocks 183, 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'

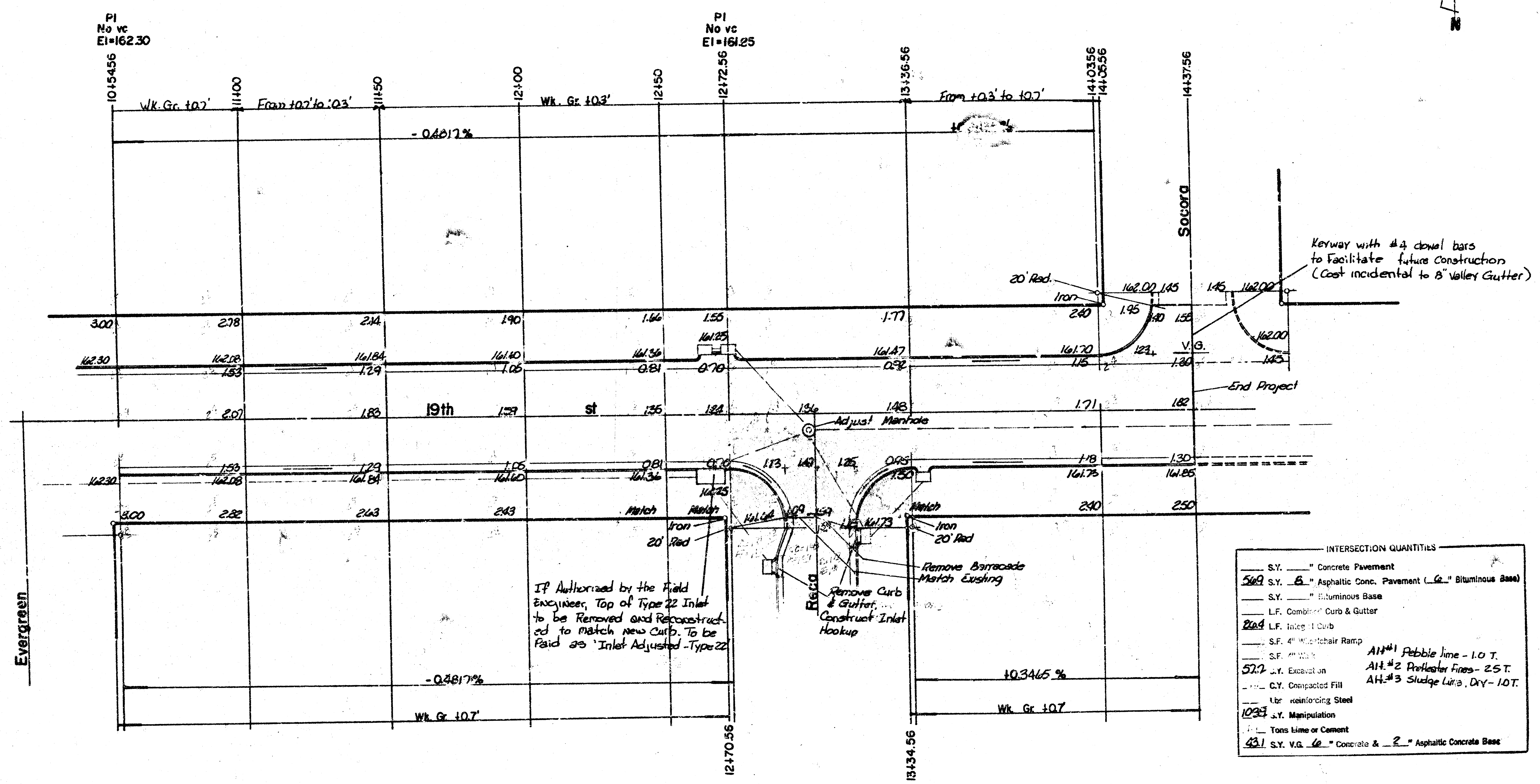
CURVE DATA BASED ON $\frac{1}{2}$ IN. RAD. Δ = 30°

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
4196.62				
5100	338'	376'	9.00°	0°24'57"
125	25'	27.78'	22.19°	3°04'45"
160				6°34'27"
175				9°31'12"
6100				12°48'34"
125	25'	27.78'	22.19°	15°48'40"
13059	559'	622'	49.7°	0°41'18"
				16°30'00"

Defl. $\frac{1}{1000}$ ft = 7.38962777

- INTERSECTION QUANTITIES
- S.Y. Concrete Pavement
 - 179 S.Y. Asphaltic Conc. Pavement (6" Bituminous Base)
 - 114 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
 - 100 C.Y. Compacted Fill
 - 100 Lbs. Reinforcing Steel
 - 1995 Y. Manipulation
 - Tons Lime or Cement
 - S.Y. V.G. Concrete & Asphaltic Concrete Base
- AH#1 Pebble Lime - 1.9
 AH#2 Preheated Fines - 4.9
 AH#3 Sludge Lime, Dry - 1.9

- INTERSECTION QUANTITIES
- S.Y. Concrete Pavement
 - 1780 S.Y. Asphaltic Conc. Pavement (6" Bituminous Base)
 - 114 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 Y. Excavation
 - 100 C.Y. Compacted Fill
 - 100 Lbs. Reinforcing Steel
 - 1995 S.Y. Manipulation
 - Tons Lime or Cement
 - S.Y. V.G. Concrete & Asphaltic Concrete Base
- AH#1 Pebble Lime - 1.9
 AH#2 Preheated Fines - 4.9
 AH#3 Sludge Lime, Dry - 1.9



Evergreen

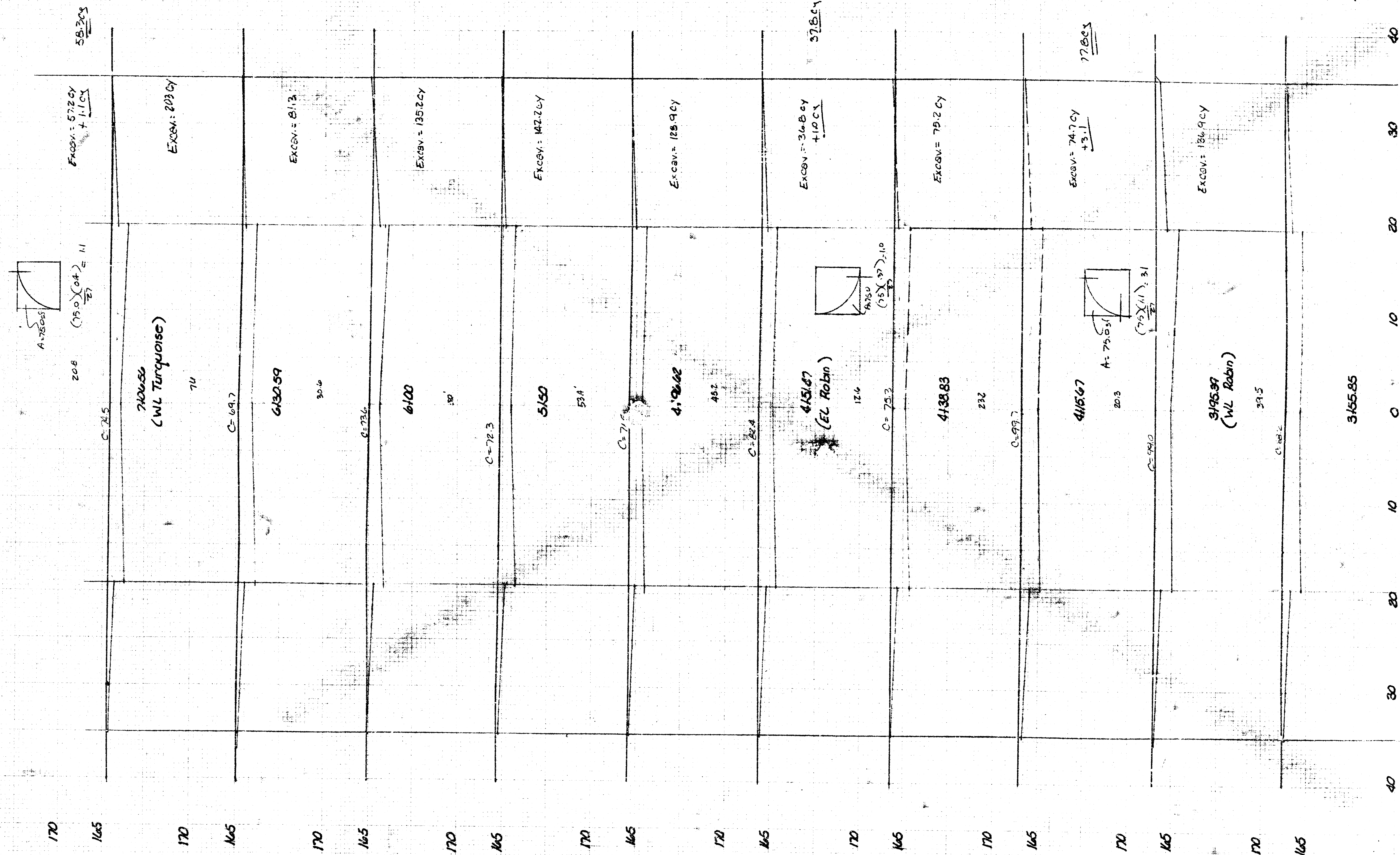
IP Authorized by the Field Engineer, Top of Type 22 Inlet to be Removed and Reconstructed to Match new Curb. To be Paid as 'Inlet Adjusted - Type 22'

Keyway with #4 dowel bars to facilitate future construction (Cost incidental to 8" Valley Gutter)

INTERSECTION QUANTITIES	
S.Y.	Concrete Pavement
569 S.Y.	Asphaltic Conc. Pavement (1.6" Bituminous Base)
S.Y.	Bituminous Base
L.F.	Combined Curb & Gutter
20.4	L.F. Inlet Curb
S.F.	Wheelchair Ramp
S.F.	Adjust. 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. 6" Concrete & 2" Asphaltic Concrete Base

INTERSECTION QUANTITIES	
S.Y.	Concrete Pavement
4790 S.Y.	Asphaltic Conc. Pavement (1.6" Bituminous Base)
134 S.Y.	Bituminous Base
26.8	L.F. Combined Curb & Gutter
20	L.F. Curb & Gutter Removal
1	EA Adjust Manhole
1	EA Barricade Removal
1108	C.Y. Excavation
4.4	C.Y. Compacted Fill
2	EA Inlet Hookup
1895	S.Y. Manipulation
Tons	Line or Cement
S.Y.	V.G. 6" Concrete & 2" Asphaltic Concrete Base

AH #1 Pebble Lime - 1.9 T.
AH #2 Pebble Lime - 4.9 T.
AH #3 Sludge Lime, Dry - 1.9 T.



Earthwork (This Sheet)
Excavation 107,66cy



Earthwork (This sheet)
Excavation 834.7 cy

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