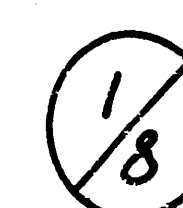
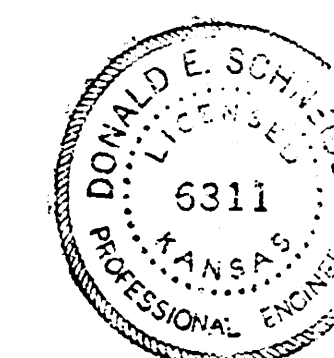
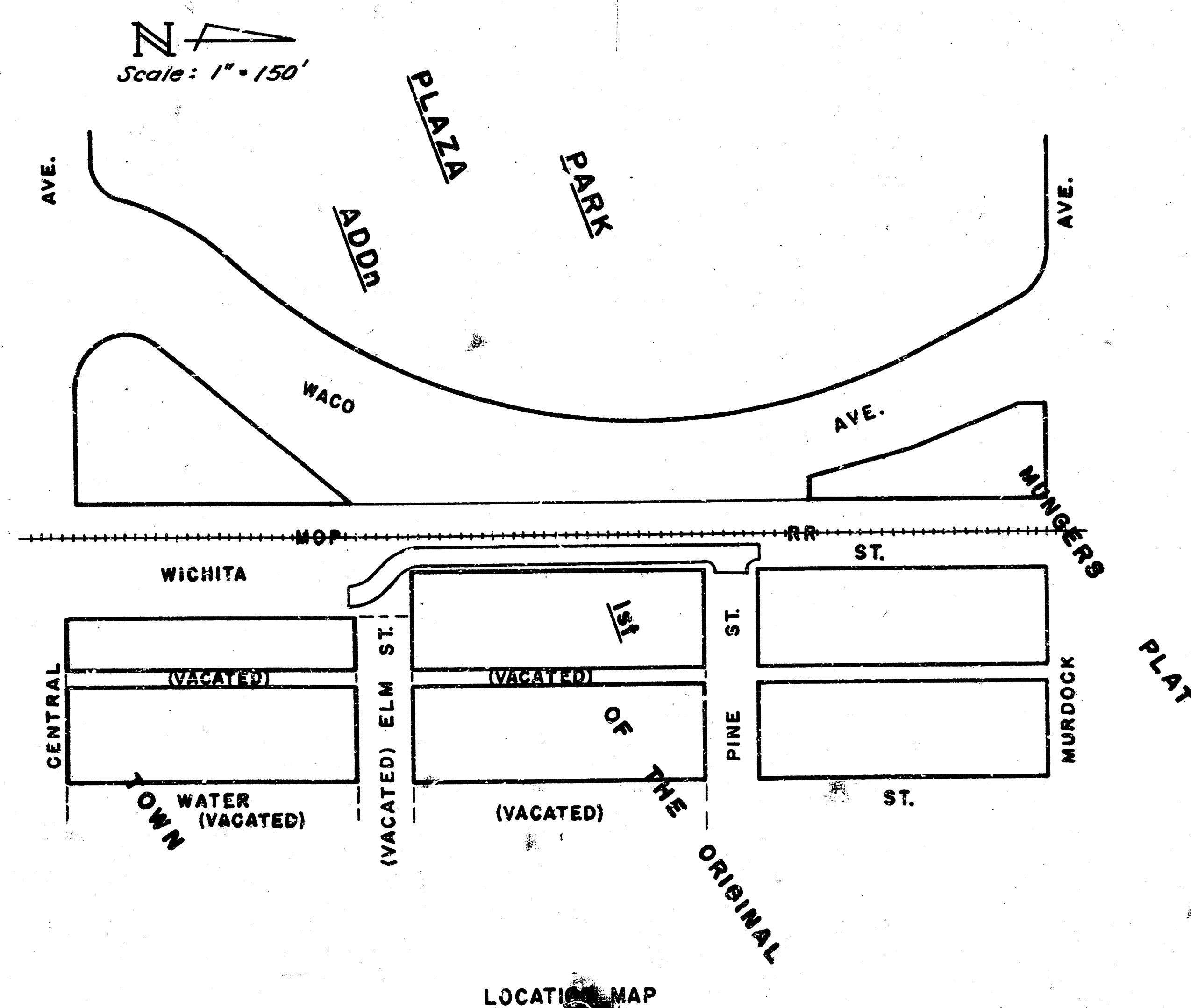


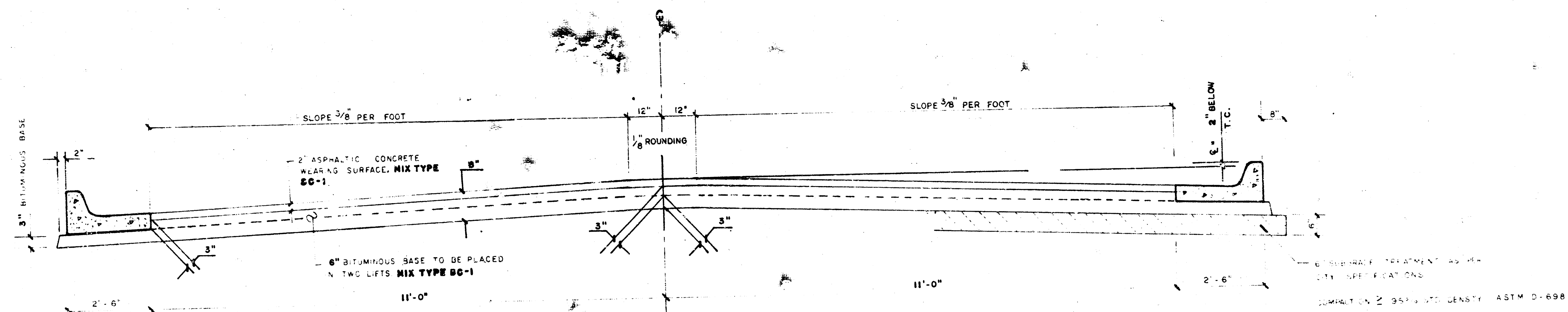
10' S. OF S.L. ELM ST. TO N.L. PINE ST.
PARK PLAZA 1st ADDn

R.W. BRUGGEMAN DIRECTOR OF ENGINEERING / CITY ENGINEER

PROJ. NO. 472 76 245 81183 000 000 001



PROJECT DESCRIPTION			
WICHITA STREET			
10' S. OF S.L. ELM ST. TO N.L. PINE ST.			
PARK PLAZA 1st ADDn			
PROJECT NUMBER			
472 76 245 81183 000 000 001			
BOOK NO. <i>DCD 266</i>	APPROVED BY		DATE
DRAWN BY <i>DEC</i>			REVISED
CITY OF WICHITA DEPARTMENT OF ENGINEERING			
DIRECTOR OF ENG./CITY ENGINEER			SCALE
R. W. BRUGGEMAN			



TYPICAL SECTION

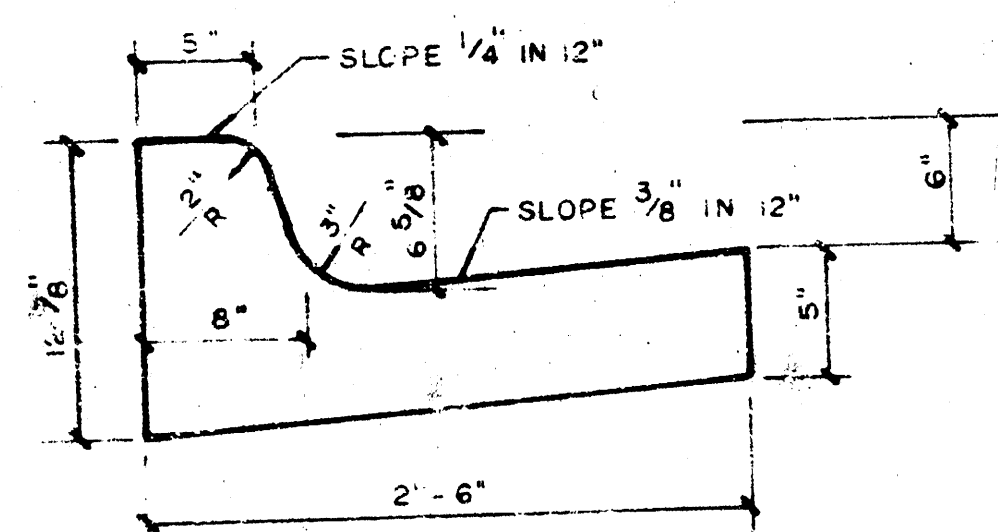
27' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPH(SS-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.

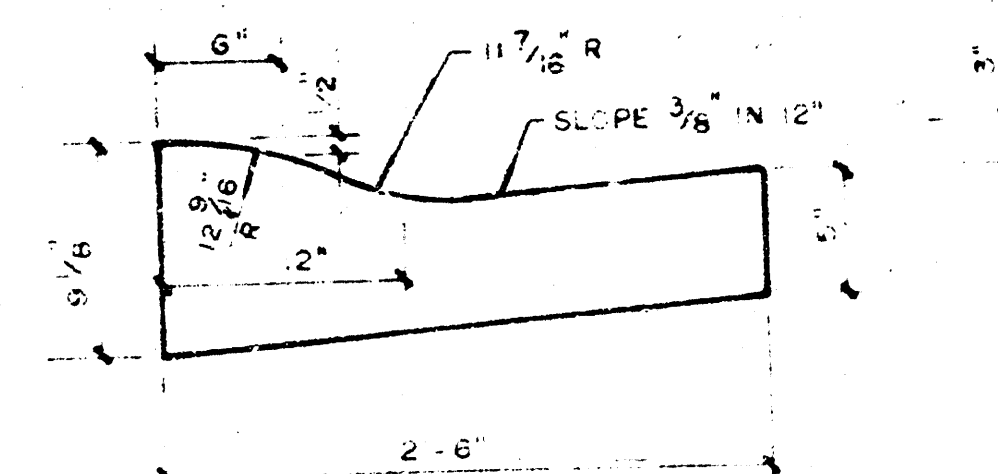
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 10' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON 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 (6" BITUMINOUS BASE). THE BITUMINOUS BASE UNDER THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQ YDS 3" BITUMINOUS BASE.

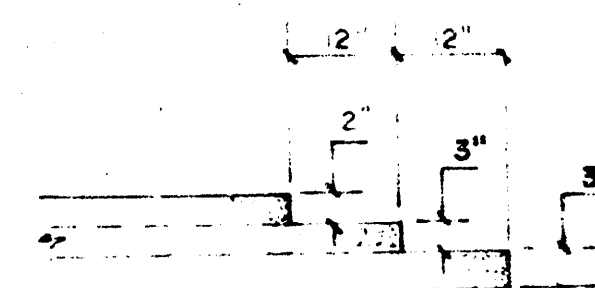
COMBINED CURB & GUTTER



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 A.C. PAVEMENT.

CITY OF WICHITA, KANSAS

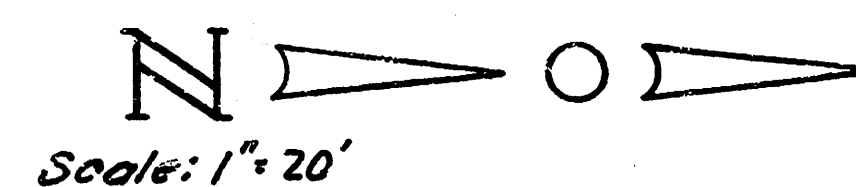
WICHITA STREET
10' S. OF S.L. ELM ST. TO N.L. PINE ST.
PARK PLAZA 1st ADDN

472 76 245 81183 000 000 001

B.M. 118.82 Std. in N. end sidewalk @ N.W. Cor. Arkansas River Bridge @ Murbok (Stamped 1306.22)
 B.M. 116.47 " on top curb @ S. end Median @ N. Side Murbok on Waco
 B.M. 113.36 Top curb @ N. end, E. side Wichita @ N. end Pine curb

$\Delta = 58'28" R = 6086' T = 30.00' L = 55.75' LC = 53.82'$

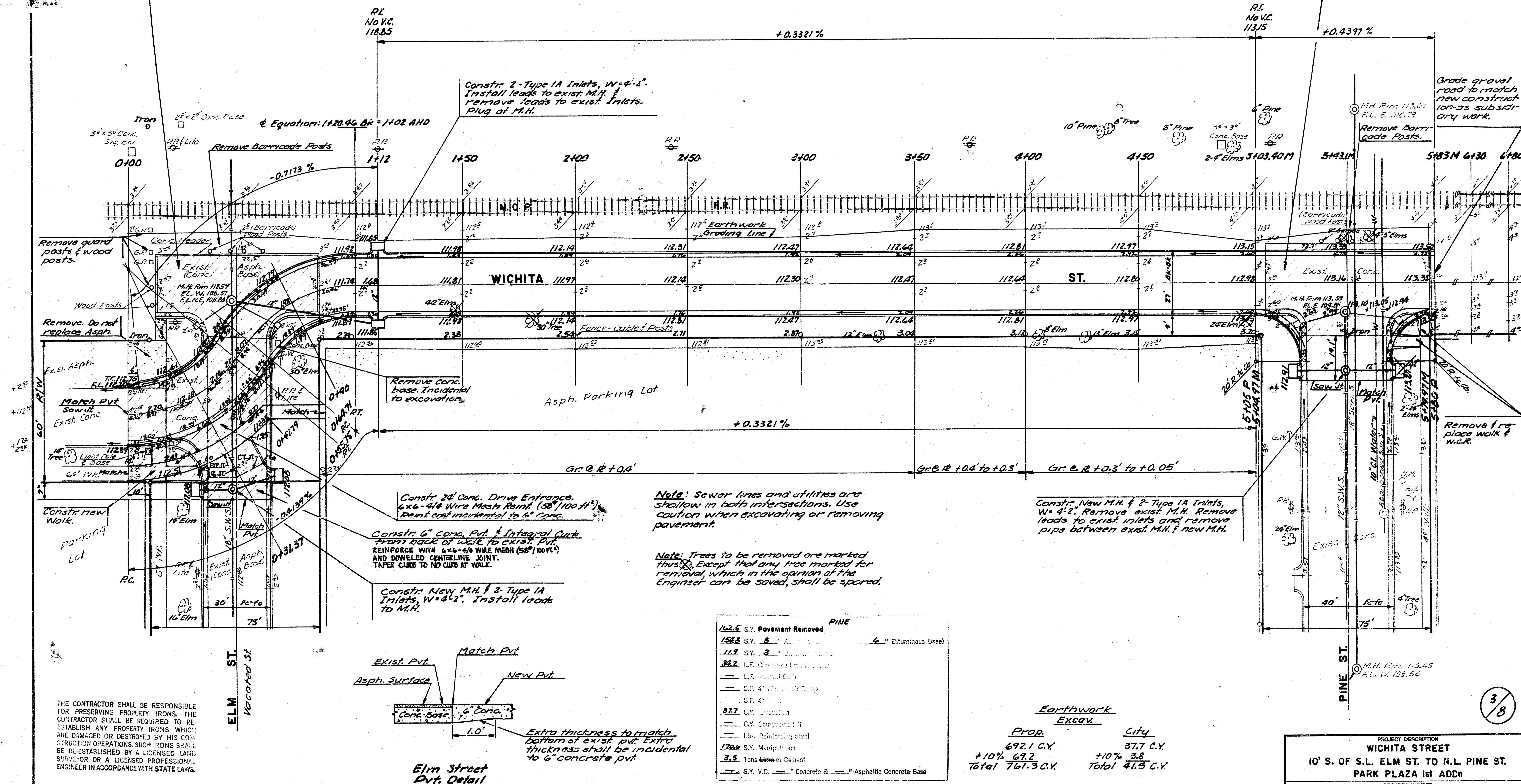
CURVE DATA BASED ON Δ RAD $\Delta = 26.182'$					
STA.	ARC.	CHORD LENGTH	CHORD BEARING	DEFLECTION	TOTAL DEFLECTION
0+00				0°00'00"	0°00'00"
0+06.36	6.36	6.16	8.55	2°59'37"	2°59'37"
0+16.07	9.71	6.35	13.03	4°34'16"	7°33'53"
0+31.37	15.30	9.93	20.52	7°12'05"	14°45'58"
0+47.79	16.42	10.72	22.02	7°43'44"	22°29'42"
0+55.75	7.96	5.21	10.70	3°44'43"	26°14'25"
0+64.71				0°00'00"	0°00'00"
0+90	25.79	33.77	16.44	11°54'16"	11°54'16"
1+20.46	30.46	40.53	19.74	14°20'14"	26°14'28"



Scale: 1" = 20'

Remove exist. pvt & walk as shown, and replace to new intersection configuration. (New 8" Asph. Pvt. & Comb. Curb & Gtr.)

Remove exist. pvt as shown, and replace to new intersection configuration. (New 8" Asph. Pvt. & Comb. Curb & Gtr.)



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.

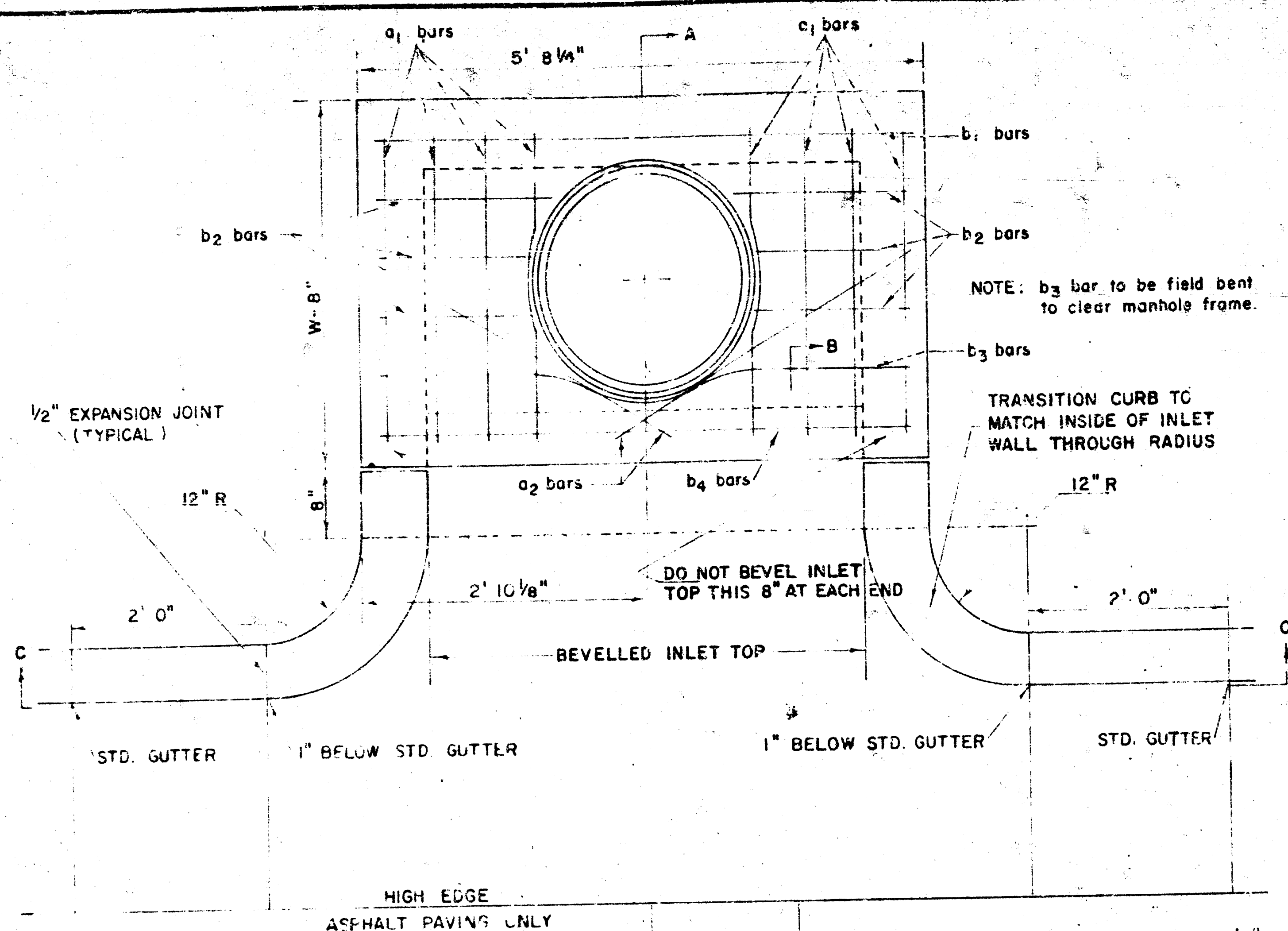
Note: Sewer lines and utilities are shallow in both intersections. Use caution when excavating or removing pavement.

Note: Trees to be removed are marked thus. Except that any tree marked for removal, which in the opinion of the Engineer can be saved, shall be spared.

PINE	
162.5	S.Y. Pavement Removed
158.8	S.Y. 8" Asphalt (4" Bituminous Base)
11.9	S.Y. 3" Asphalt
34.2	L.F. Combined Conc. & Reinf.
	— L.F. Integral Curb
	— C.R. 4" Wire Mesh Reinf.
	— S.F. 4" Wire Mesh
37.7	C.Y. Excavation
	— C.Y. Compacted Fill
	— Lbs. Reinforcing Steel
178.6	S.Y. Manipulation
3.5	Tons lime or Cement
	— S.Y. V.G. — " Concrete & — " Asphaltic Concrete Base

Earthwork	
Prop.	City
692.1 C.Y.	37.7 C.Y.
+10% 692.2	+10% 38.8
Total 761.3 C.Y.	Total 41.5 C.Y.

PROJECT DESCRIPTION
 WICHITA STREET
 10' S. OF S.L. ELM ST. TO N.L. PINE ST.
 PARK PLAZA 1st ADDN
 PROJECT NUMBER
 472 76 245 81183 000 000 001



PLAN (SCALE 1" = 1' 0")

STEEL SCHEDULE

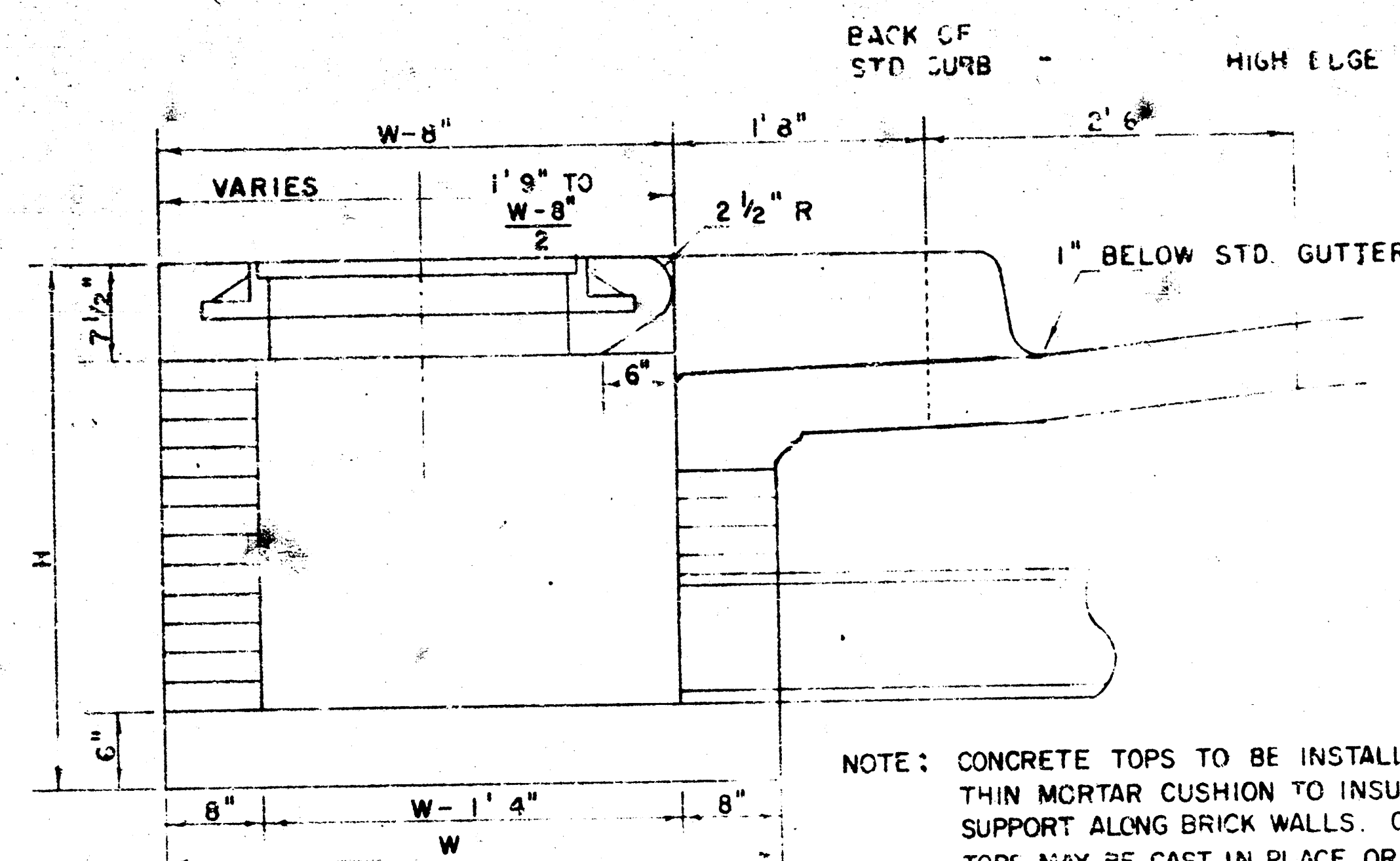
BAR	a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	8	2	1	3	5	7	
SIZE	#4	#4	#4	#4	#4	#4	
W=4'2"	6'5"	3'4"	5'5"	-	-	-	60*
W=5'0"	8'1"	4'4"	5'5"	-	-	-	77*
W=6'0"	10'1"	5'4"	5'5"	-	-	-	97*
W=7'0"	11'1"	6'4"	5'5"	-	-	-	111*
W=8'0"	12'1"	7'4"	5'5"	-	-	-	124*

* NOTE: a₂ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

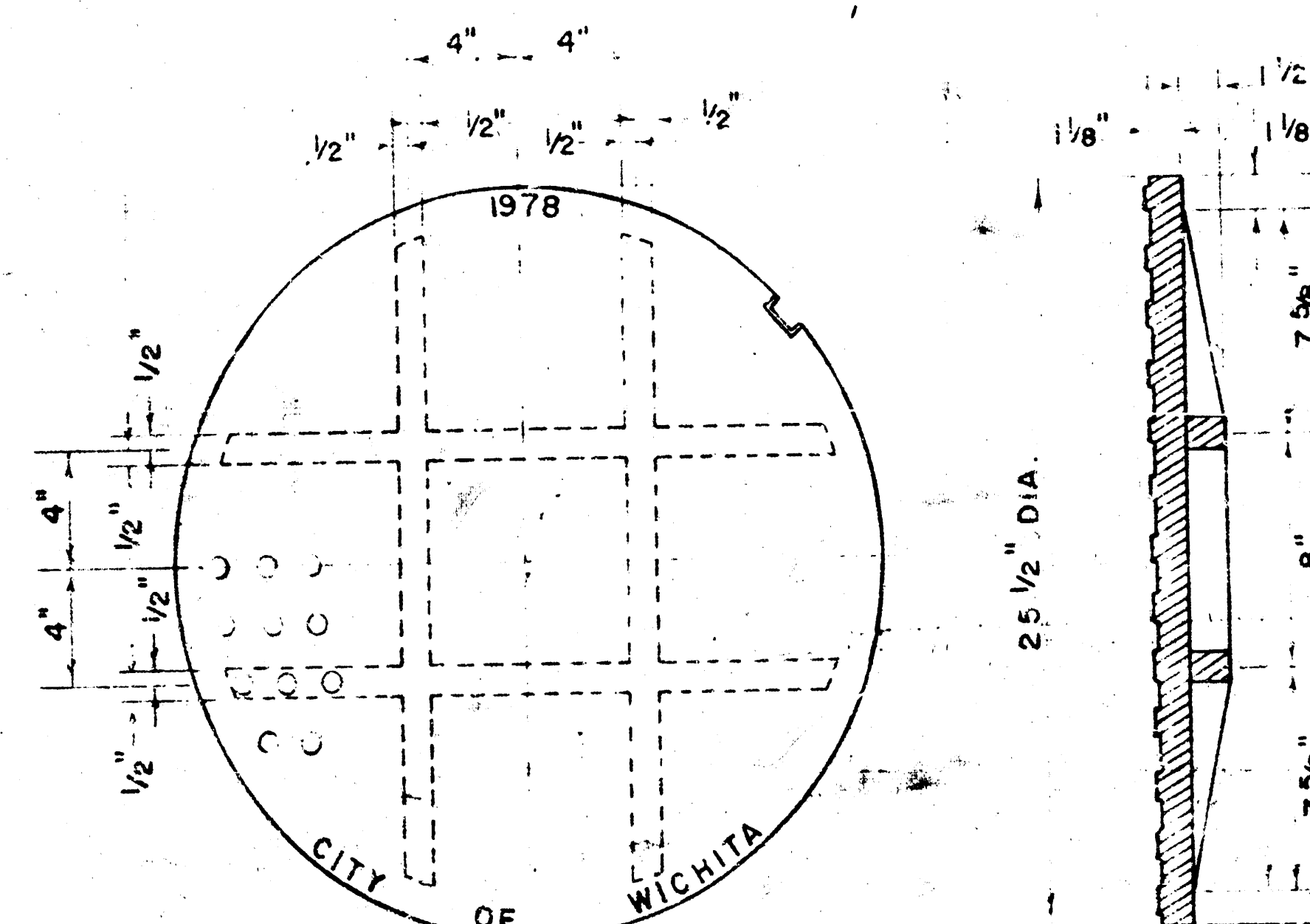
BEND DIAGRAM

W	PRECAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	36"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	44"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	54"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	64"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	74"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

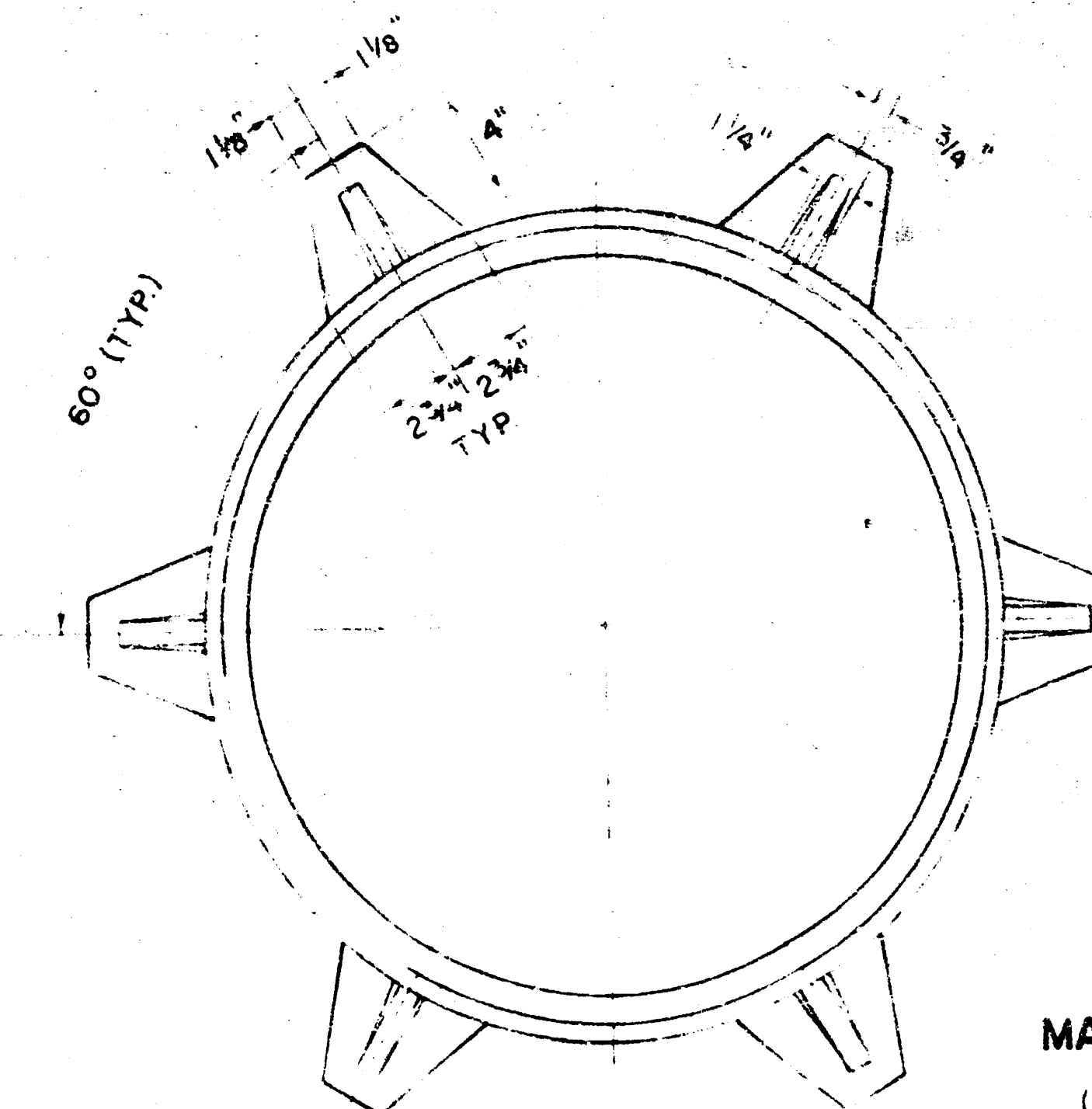
* GROSS VOLUME



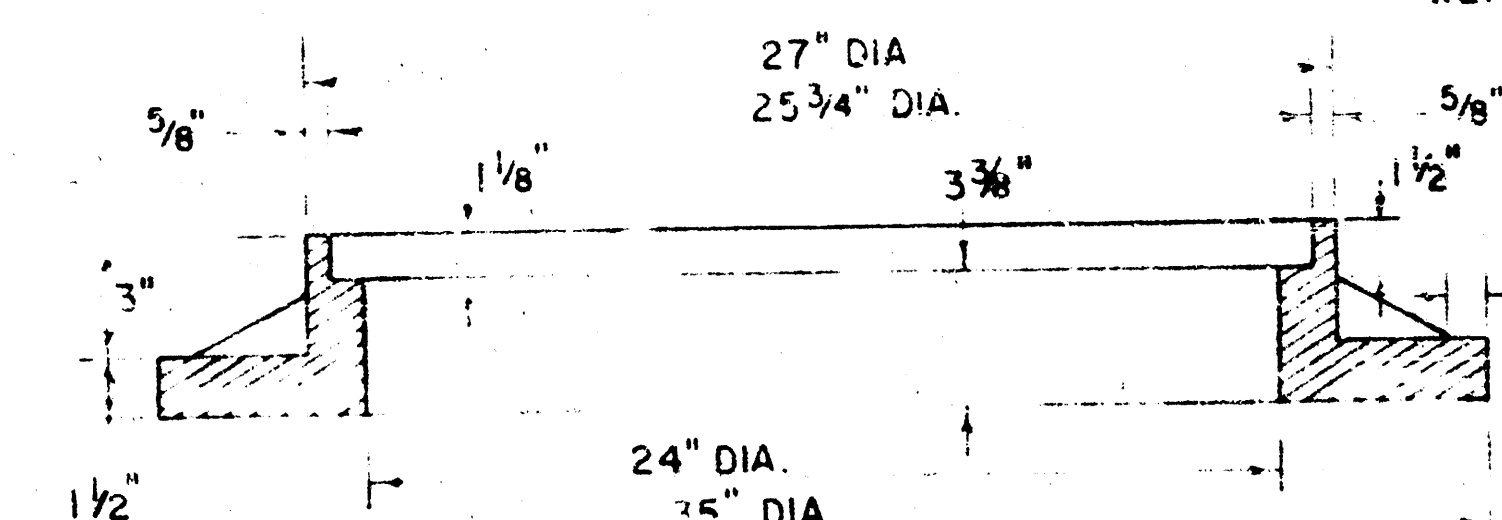
SECTION A-A
(SCALE 1" = 1' 0")



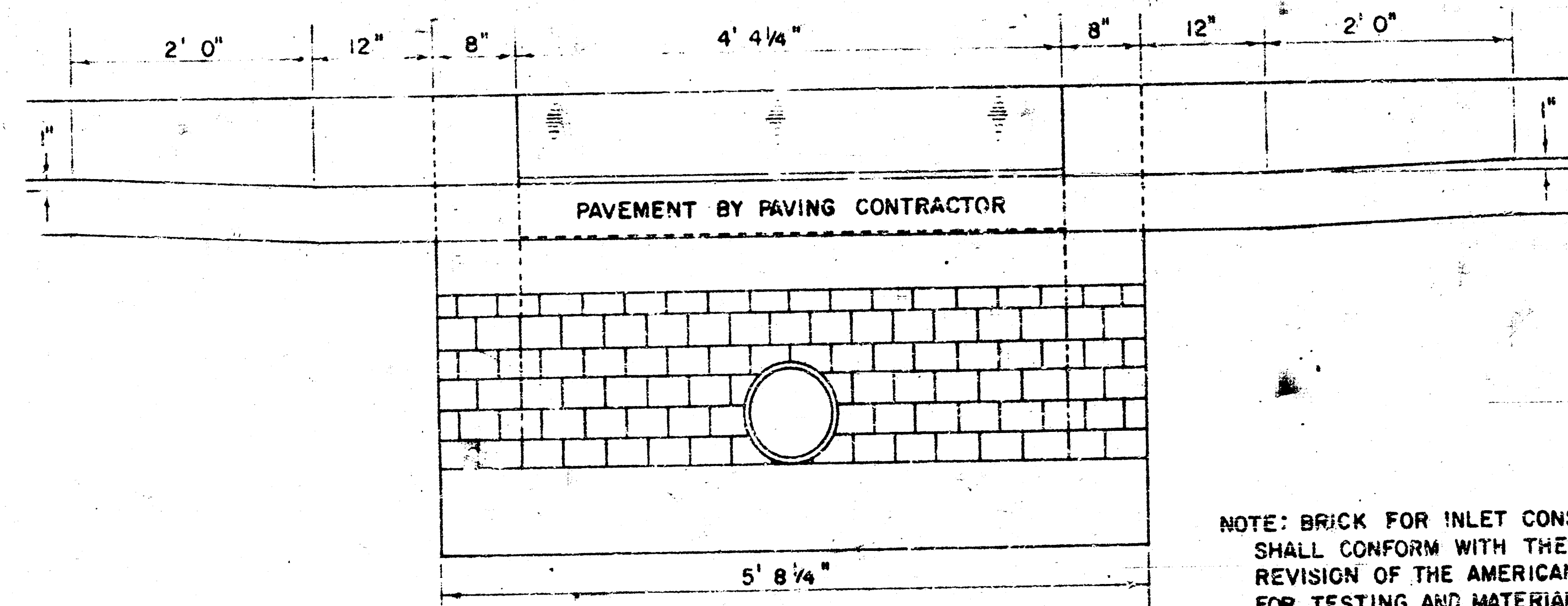
MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.

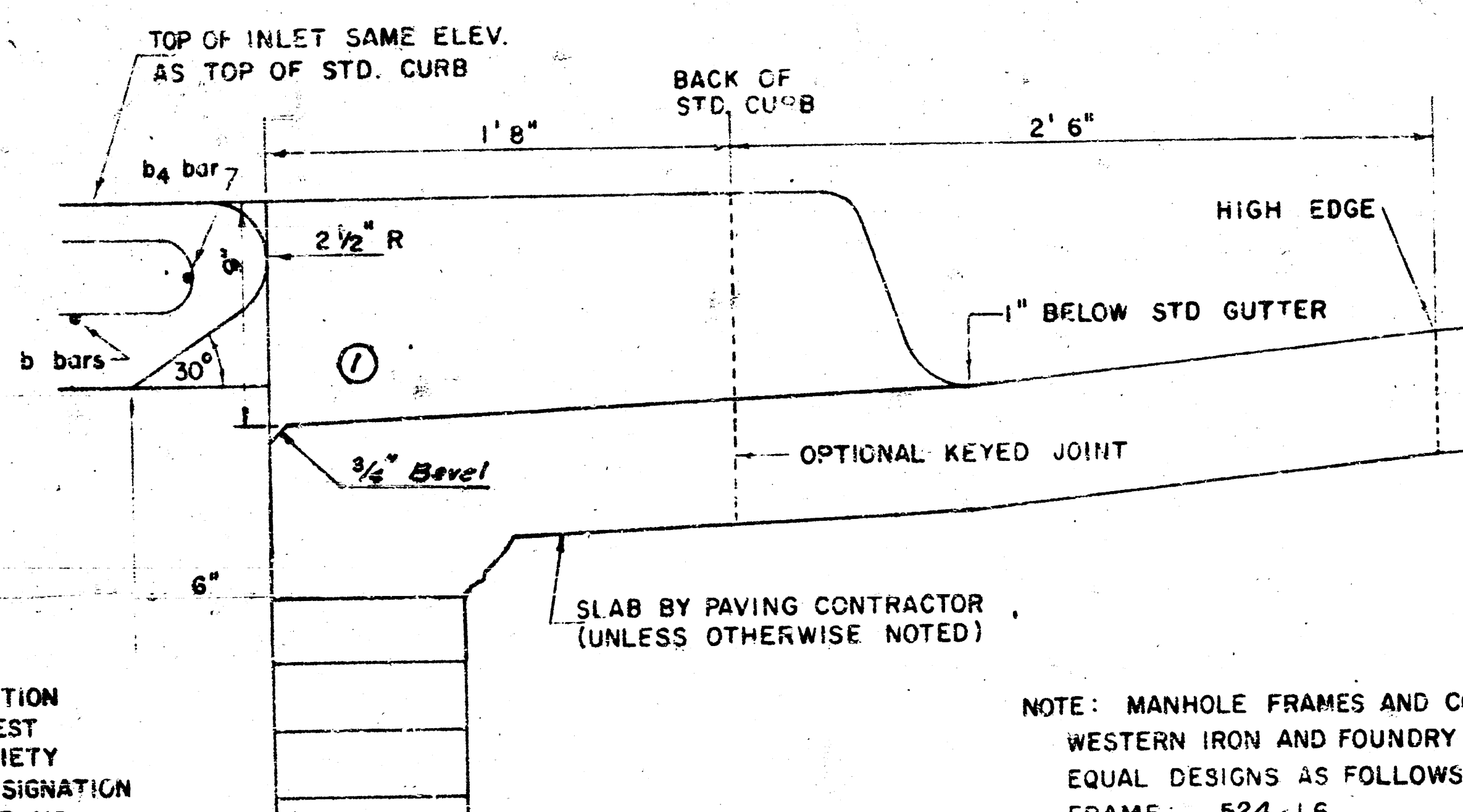


MANHOLE FRAME
(ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.



SECTION C-C
(SCALE 1" = 1' 0")

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.



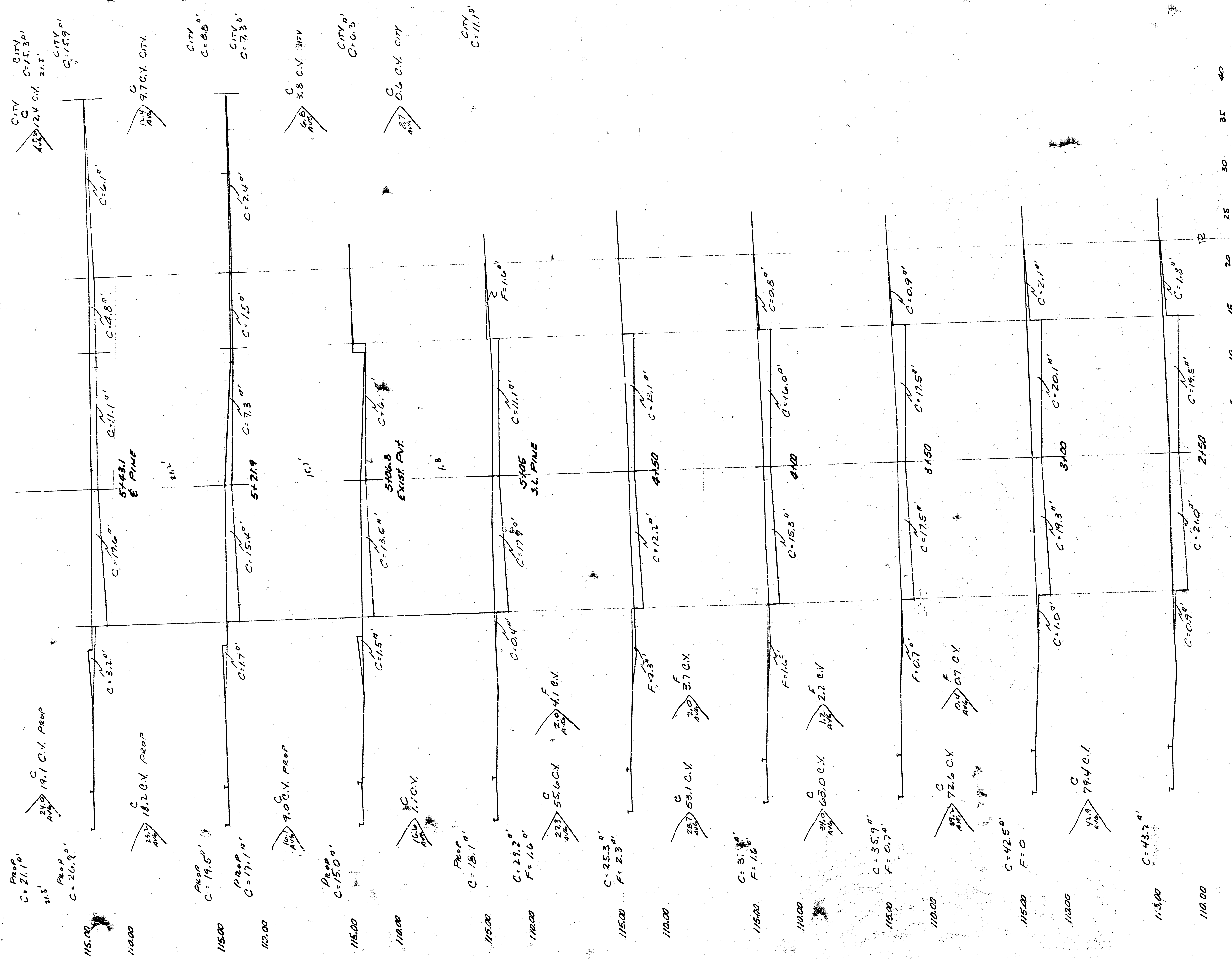
SECTION B-B
(SCALE 1" = 6")

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 524-L6
FRAME (ALTERNATE): 500-A4
COVER: 222-S4 "NOBBY"

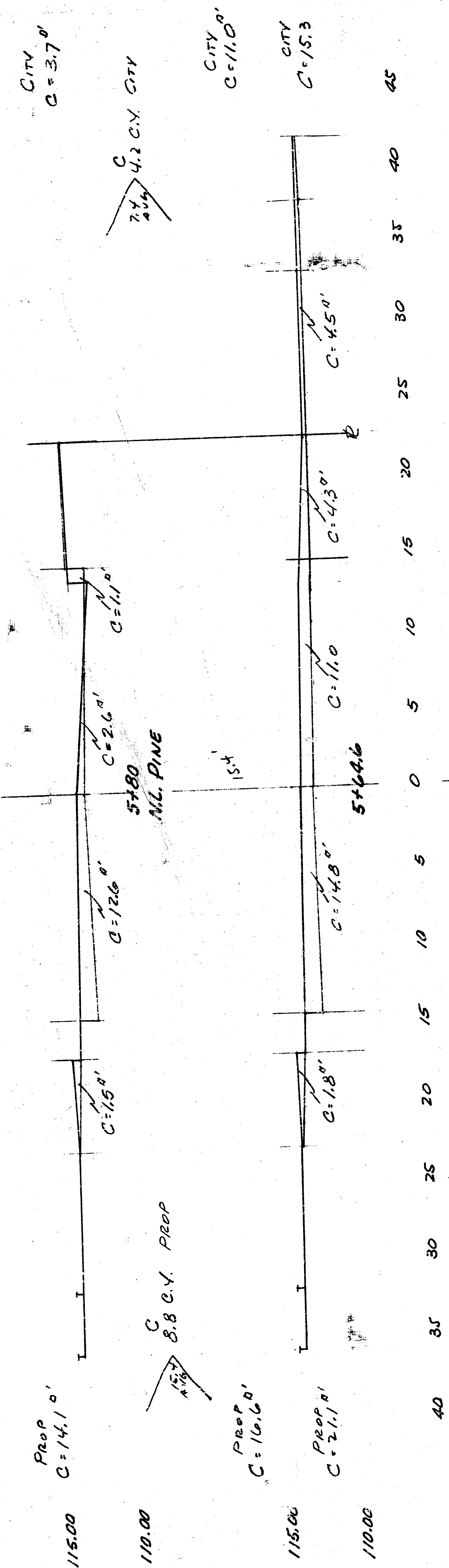
DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/
CITY ENGINEER

JUNE, 1981
472 76 245 81183 000 000 001

5/8



EARTHWORK - THIS SHEET
 EXCAV. 371.1 CY
 FILL 10.7 CY
 CITY 26.5 CY
 CITY 0



EARTHWORK - THIS SHEET

<u>EXCAV.</u>	<u>PROP</u>	<u>FILE</u>
8.8 C.Y.	09.9 C.Y.	0
<u>CITY</u>	<u>CITY</u>	
11.2 C.Y.		

10 3 1 10

$$\frac{8}{8}$$
 $\frac{1}{10}$