

DRAINAGE IN CONNECTION WITH STREETS IN COMOTARA INDUSTRIAL PARK

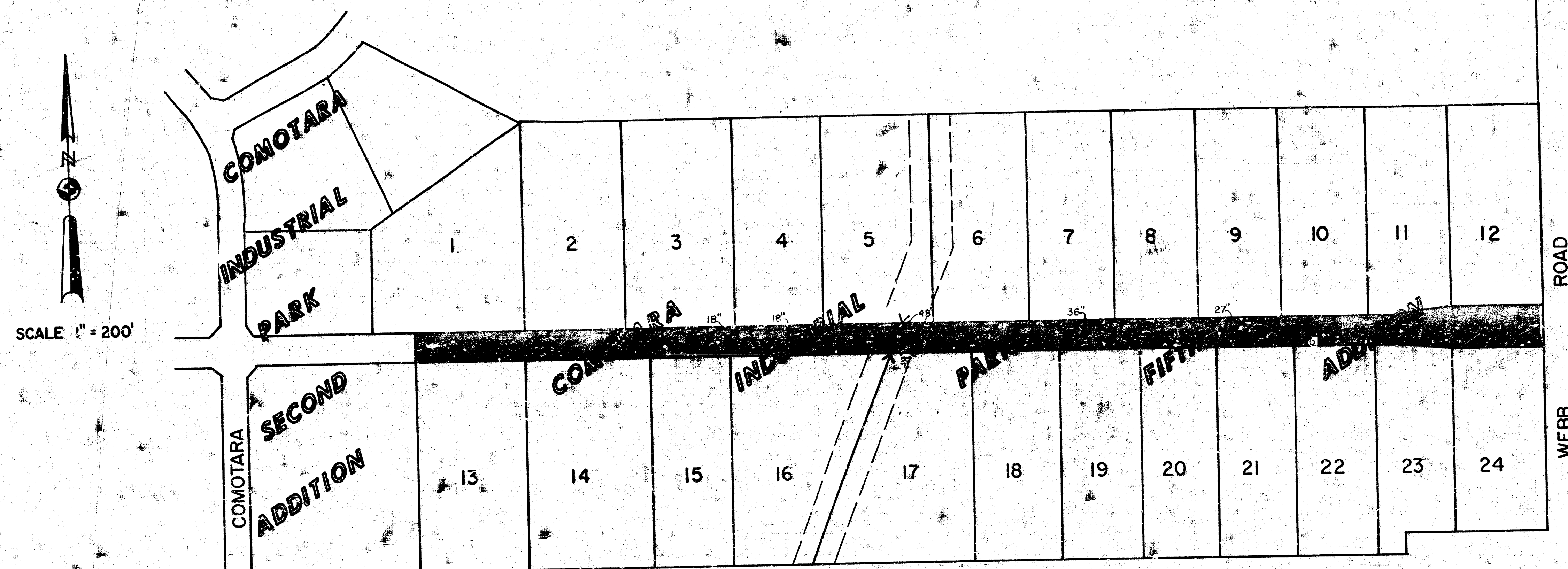
FIFTH ADDITION

PROJECT NO.

472-76-245-80786-000-000-002

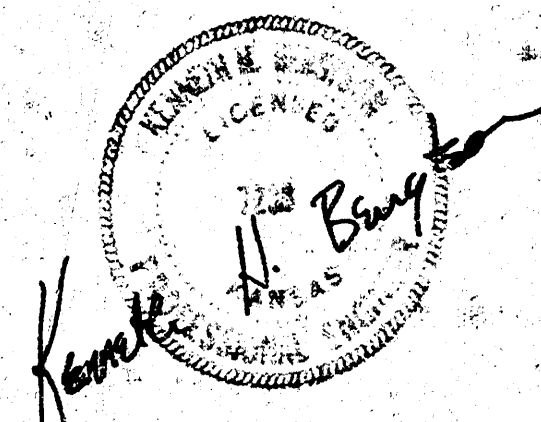
CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER



INDEX TO DRAWINGS

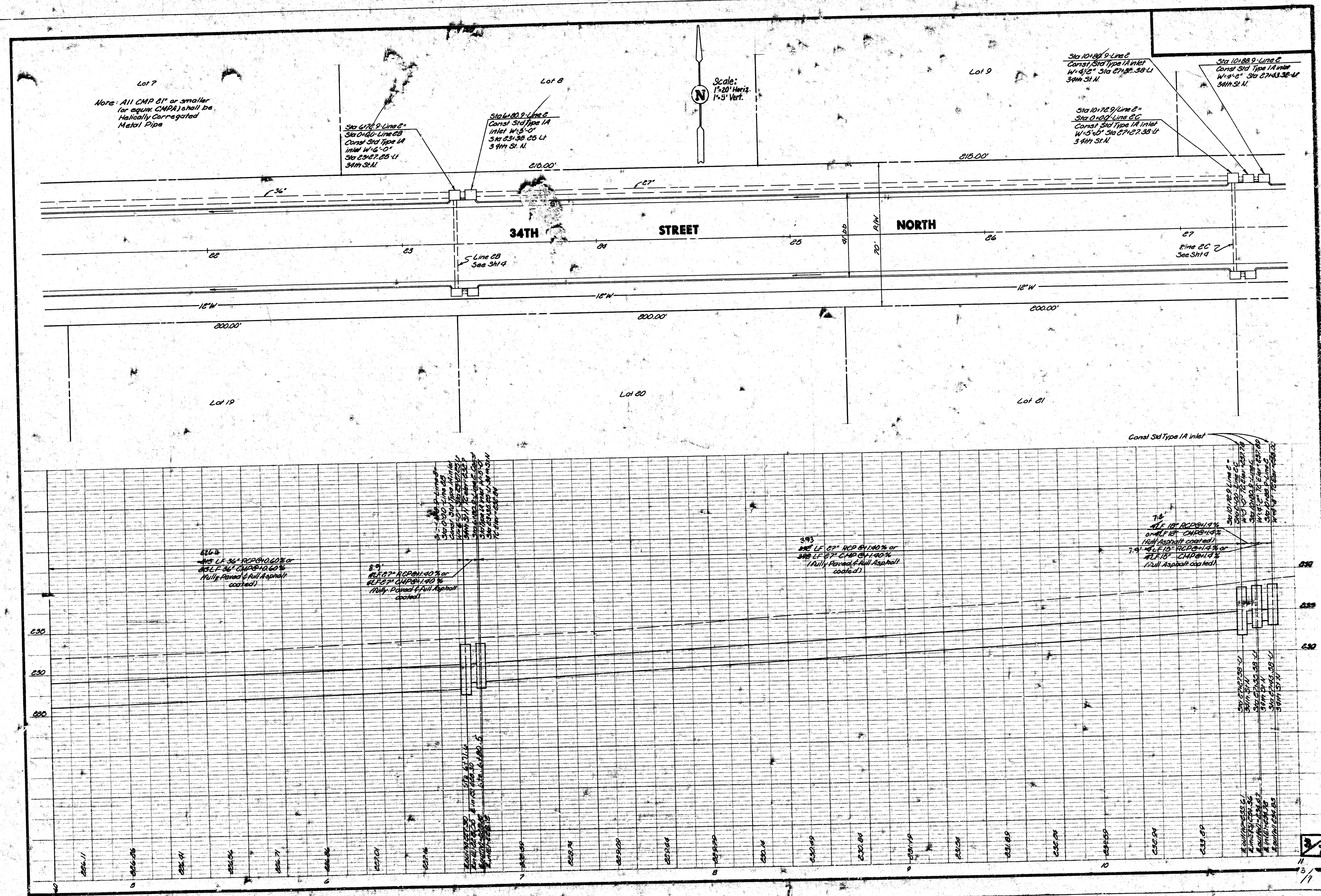
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	PLAN PROFILE
6	TYPE IA INLET
7	CULVERT DETAIL

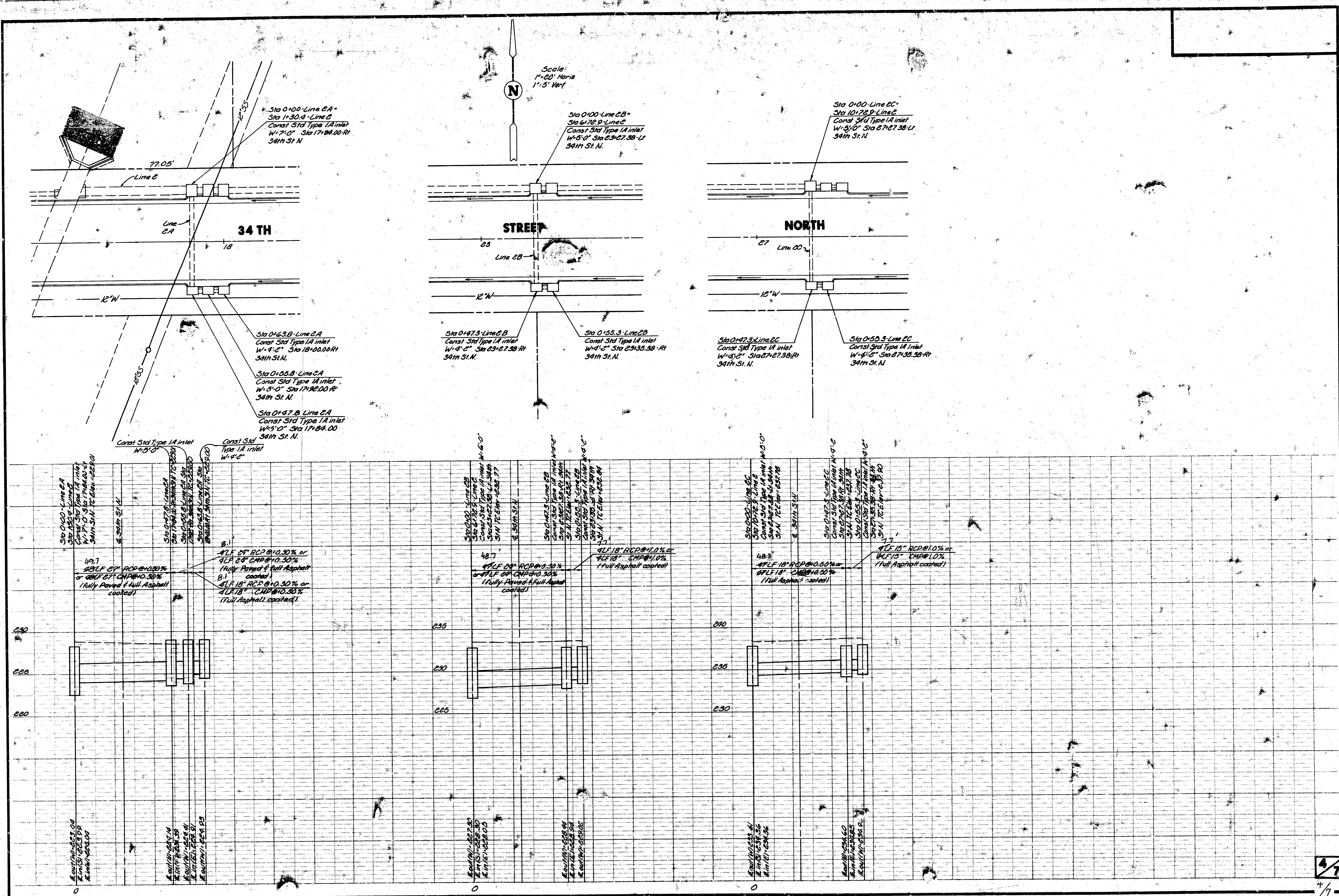


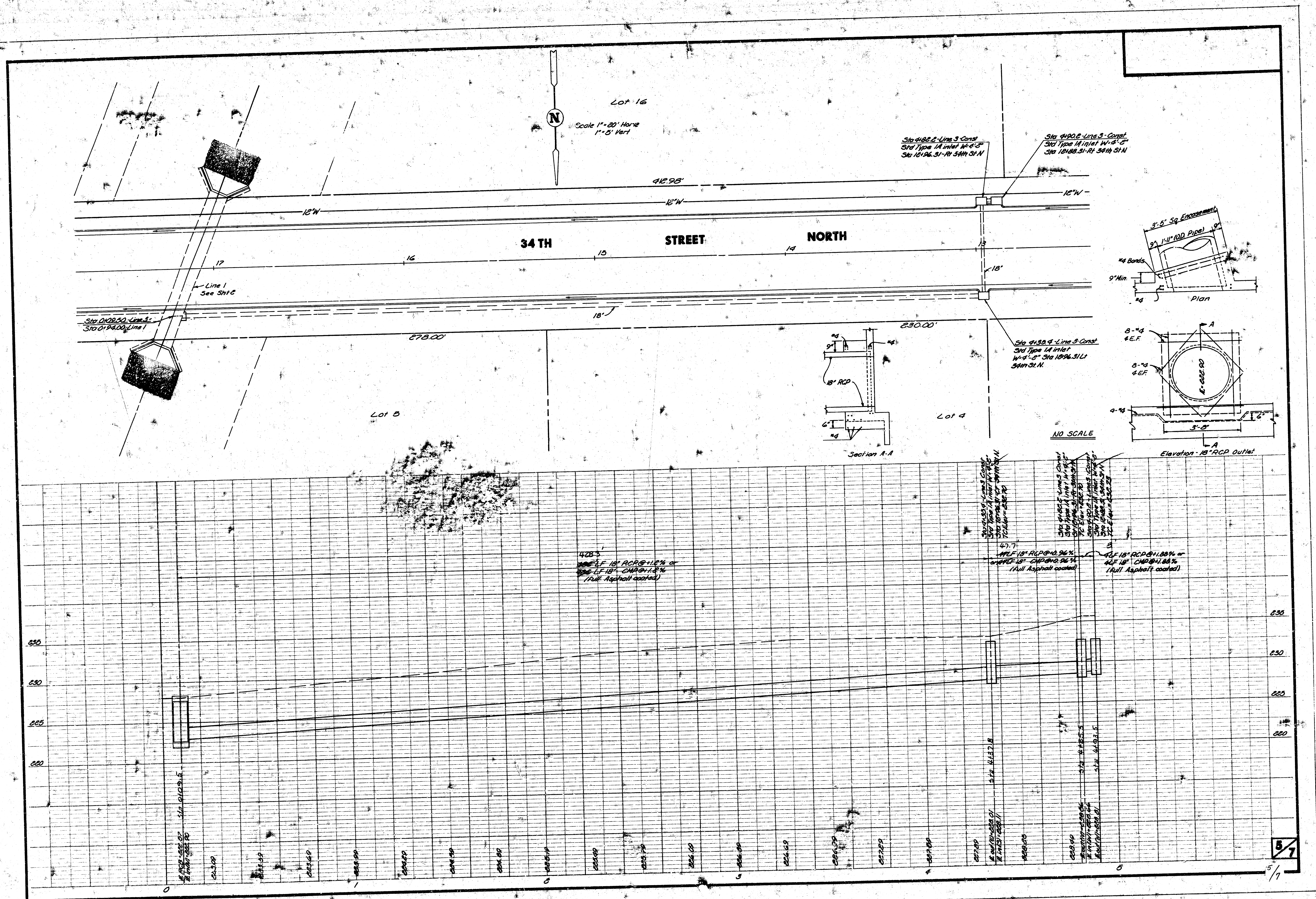
As Built 2/21/30

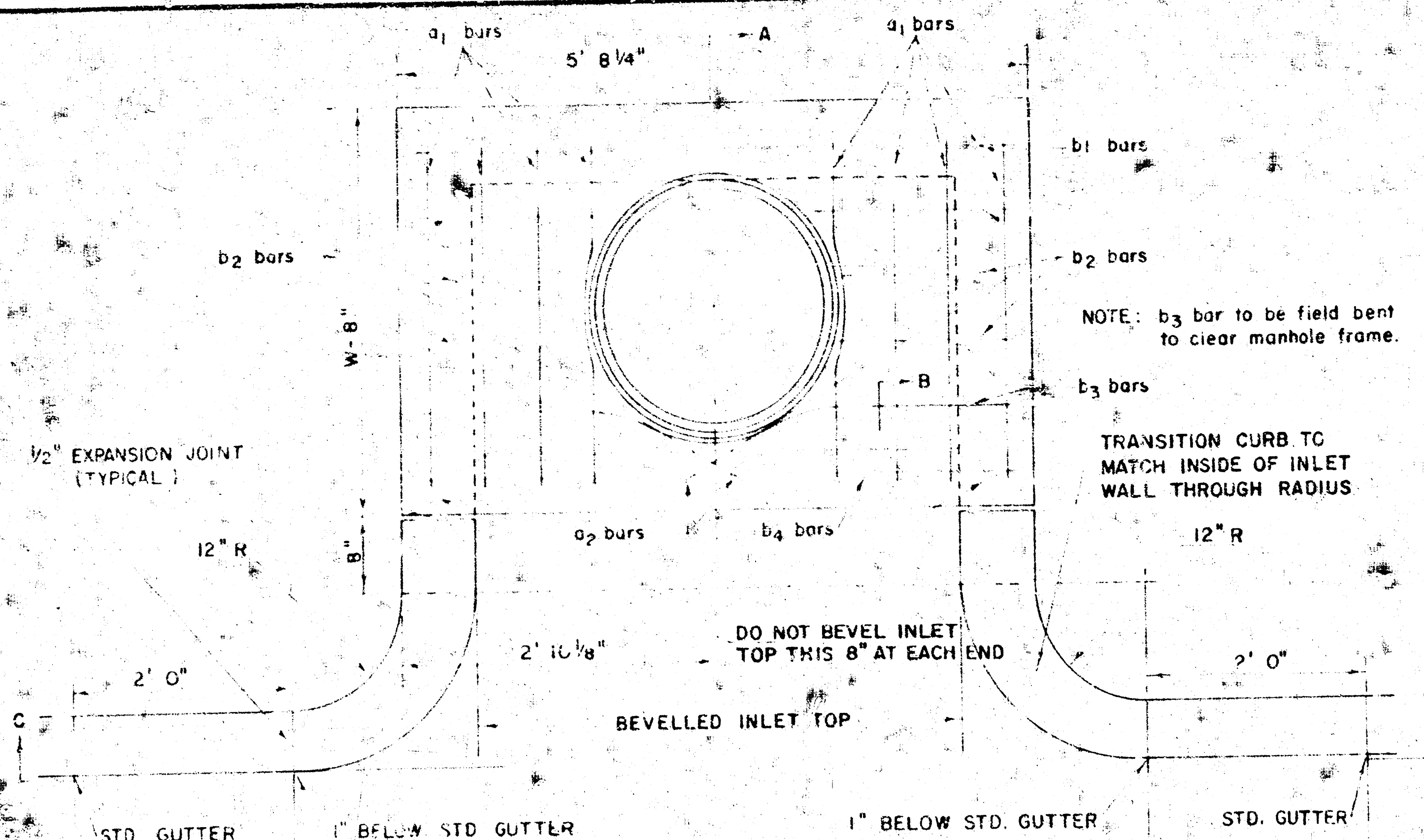
VAN DOREN - HAZARD - STALLINGS
ARCHITECTS - ENGINEERS - PLANNERS
WICHITA, KANSAS

SHEET
1
OF
7









STEEL SCHEDULE

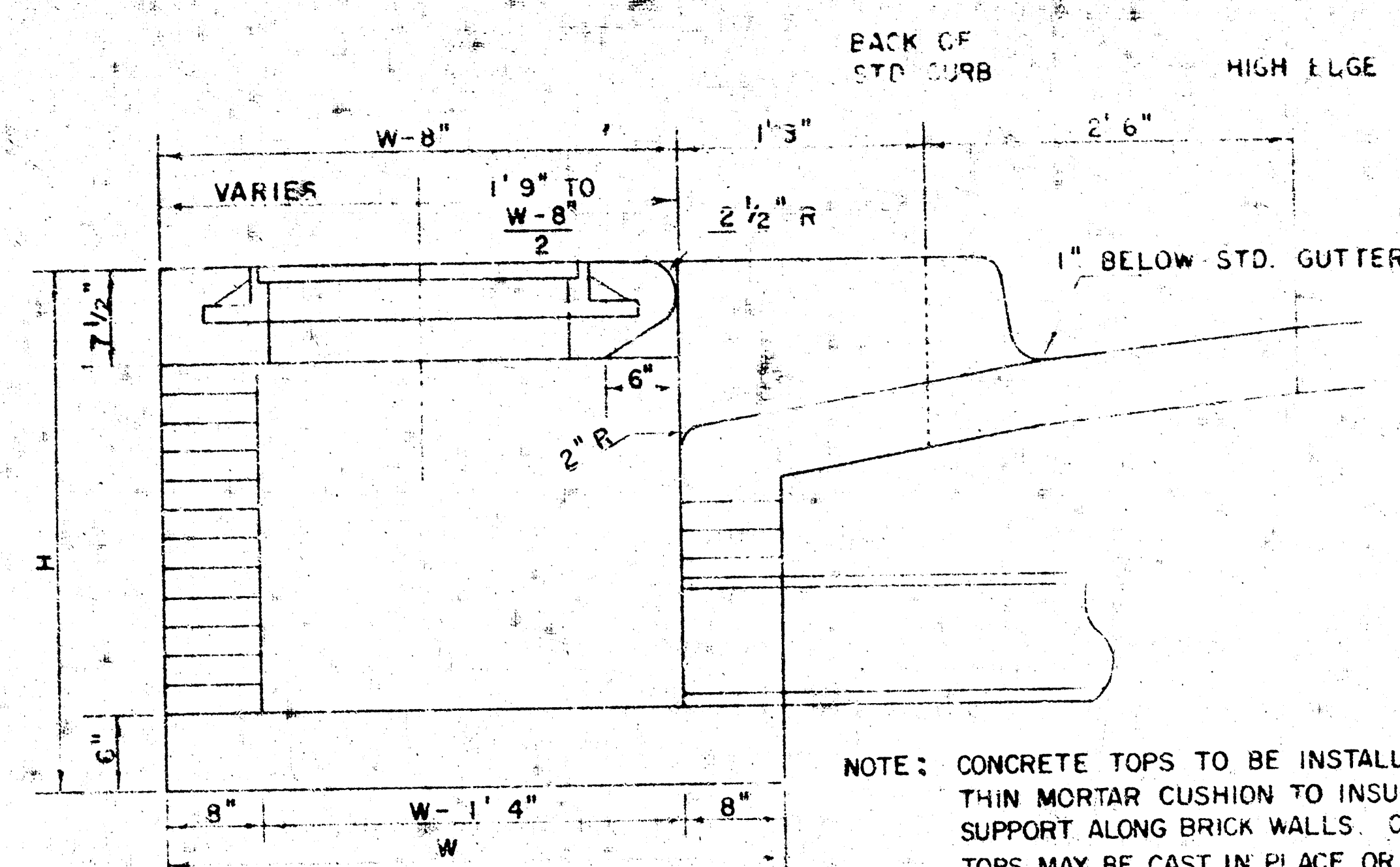
BAR	a1	a2	b1	b2	b3	b4	WT. LBS.
NUMBER	8	2	1	3	5	7	9
SIZE	4"	4"	4"	4"	4"	4"	6"
W=4'2"	6'5"	3'4"	5'5"	-	-	-	60"
W=5'0"	8'1"	4'4"	-	5'5"	-	-	77"
W=6'0"	10'1"	5'4"	-	5'5"	-	-	97"
W=7'0"	11'1"	6'3"	-	5'5"	-	-	111"
W=8'0"	12'1"	7'4"	-	5'5"	-	-	124"

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

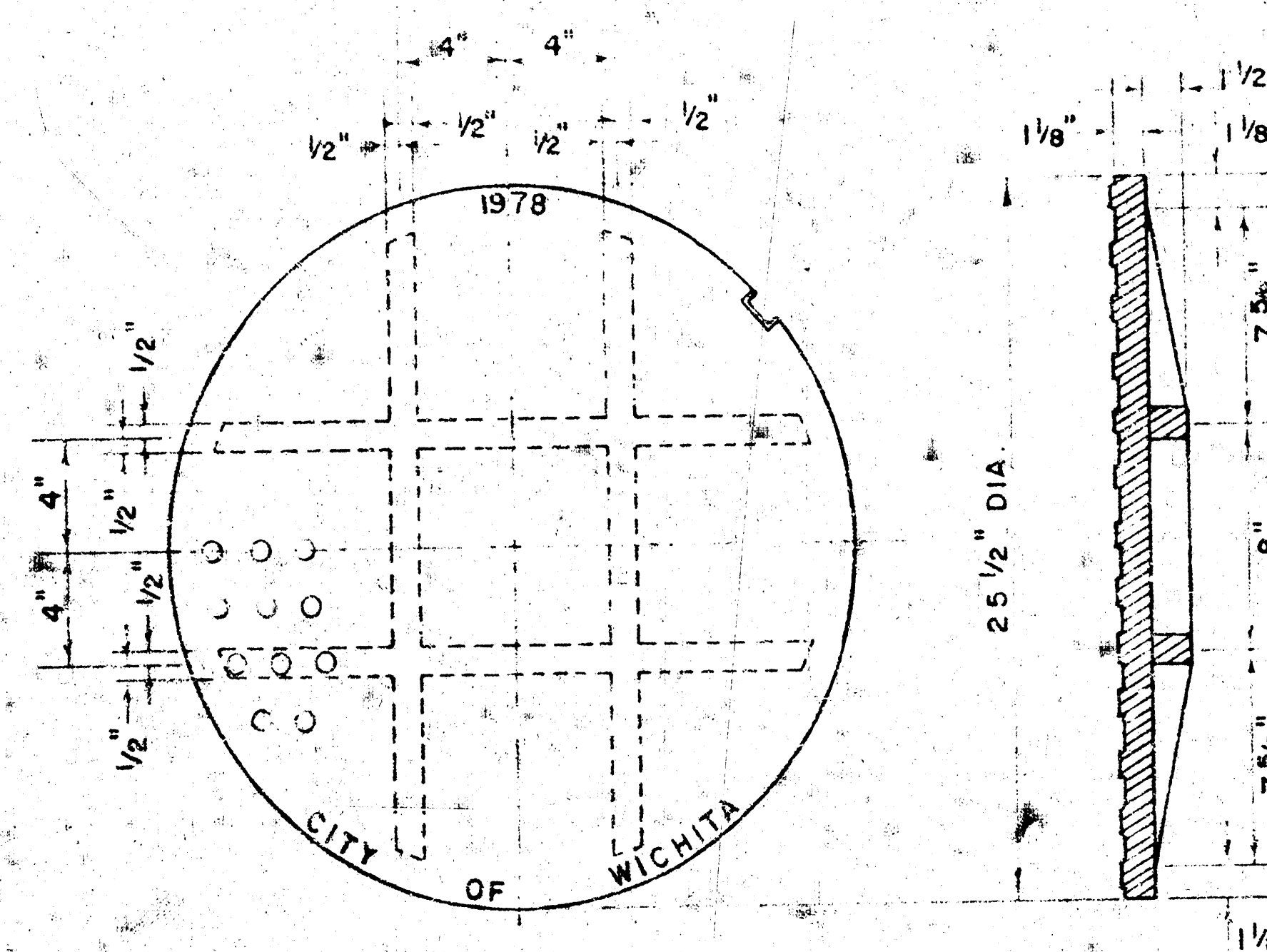
BENDING DIAGRAM

W	PRE-CAST 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"x5'3 1/4"x7 1/2"	60" & 66"	0.97 *

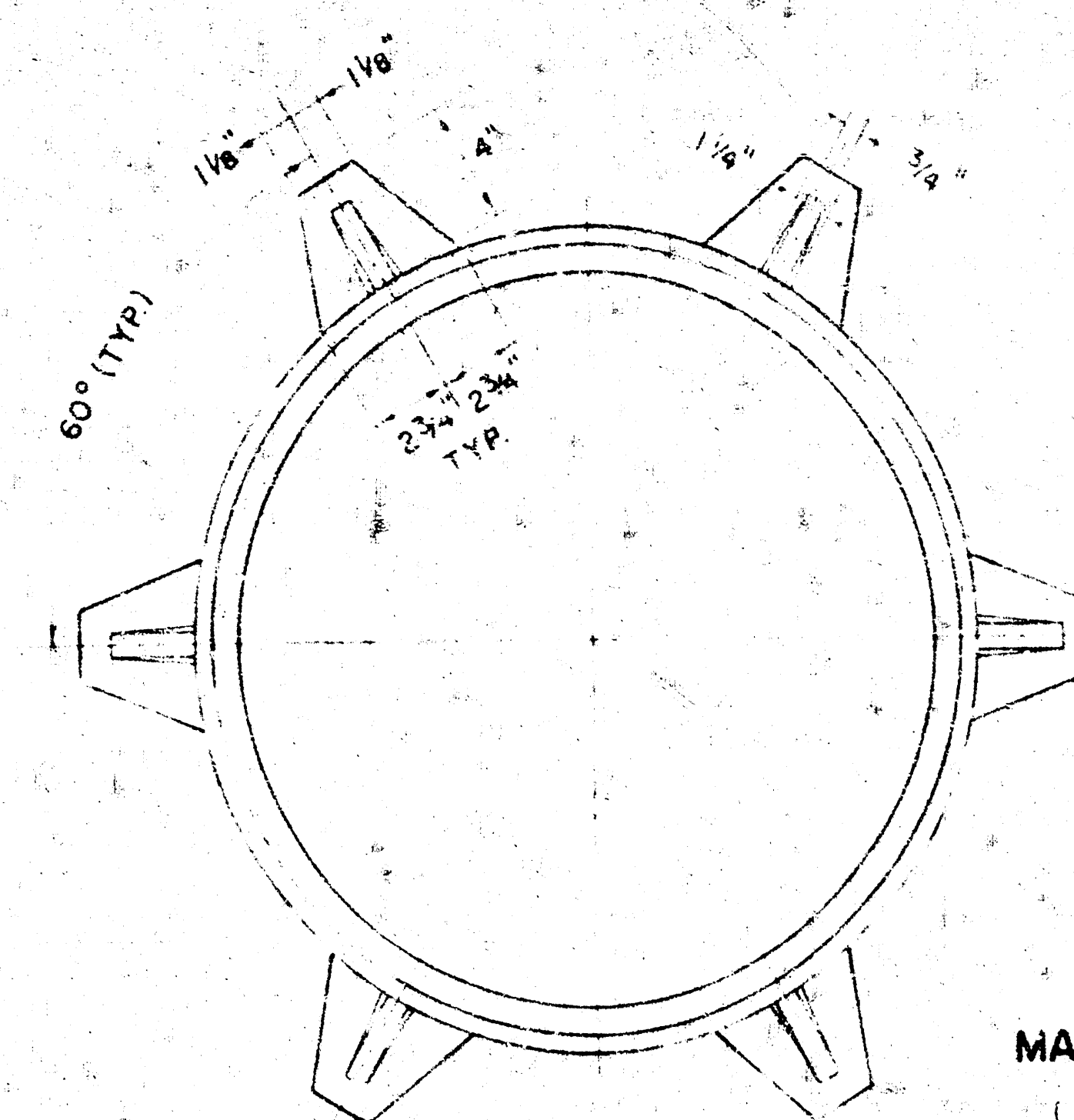
* GROSS VOLUME



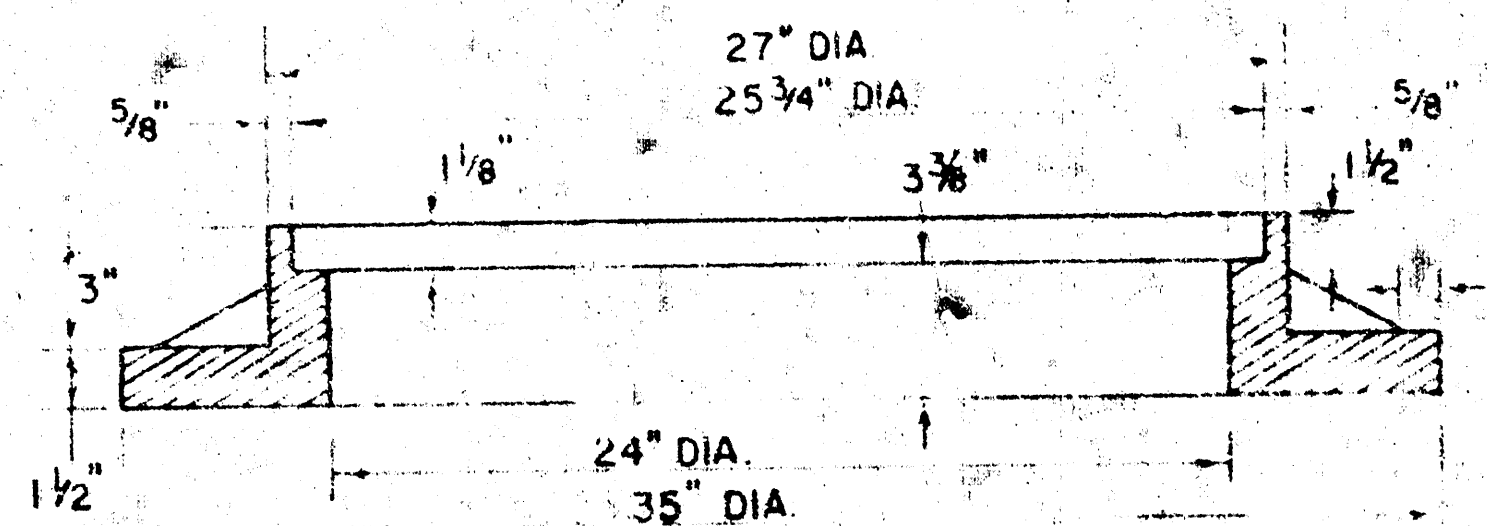
SECTION A-A
(SCALE 1" = 1'0")



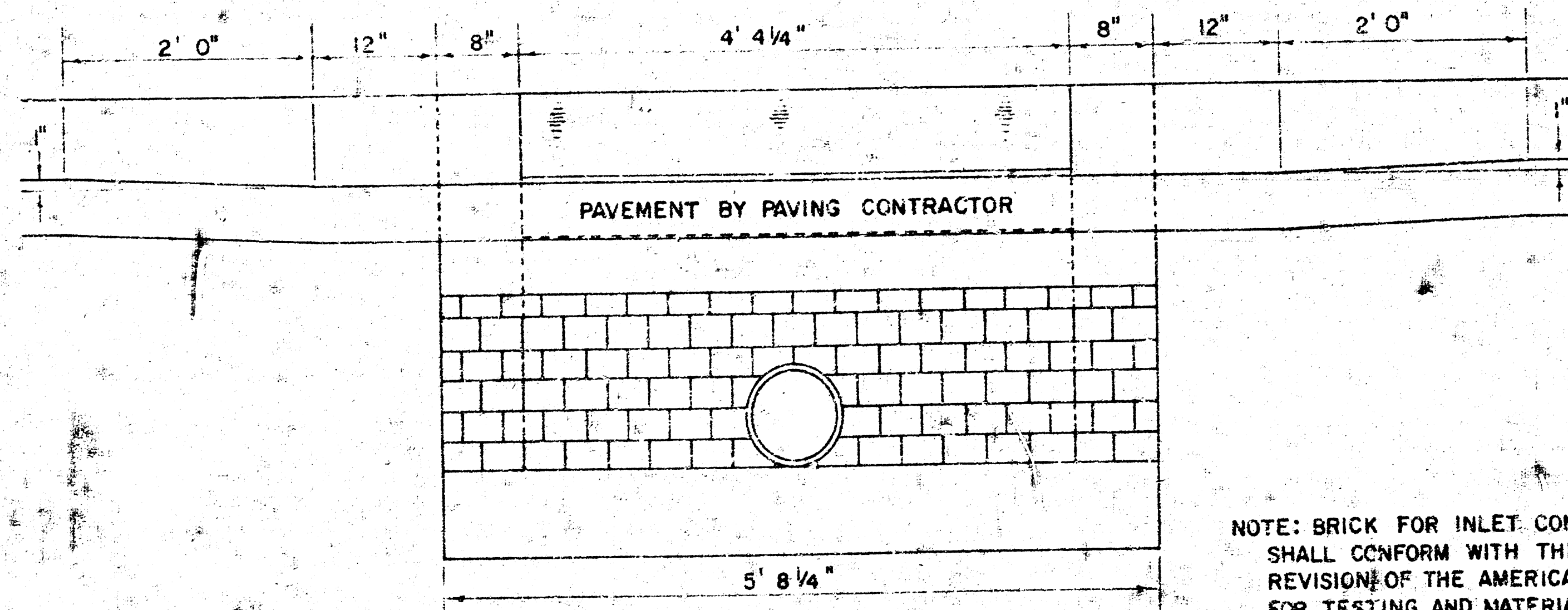
MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



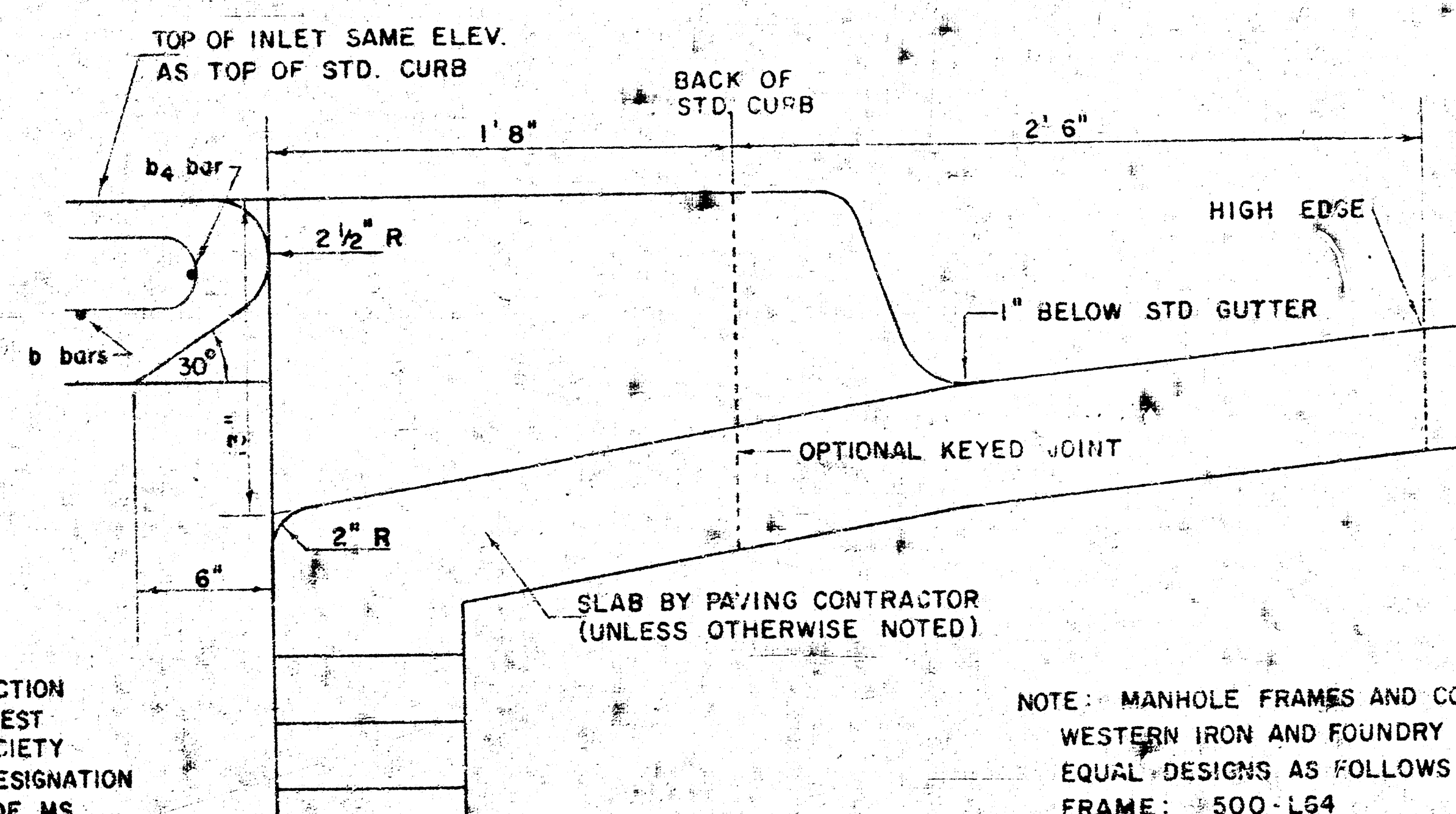
MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



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



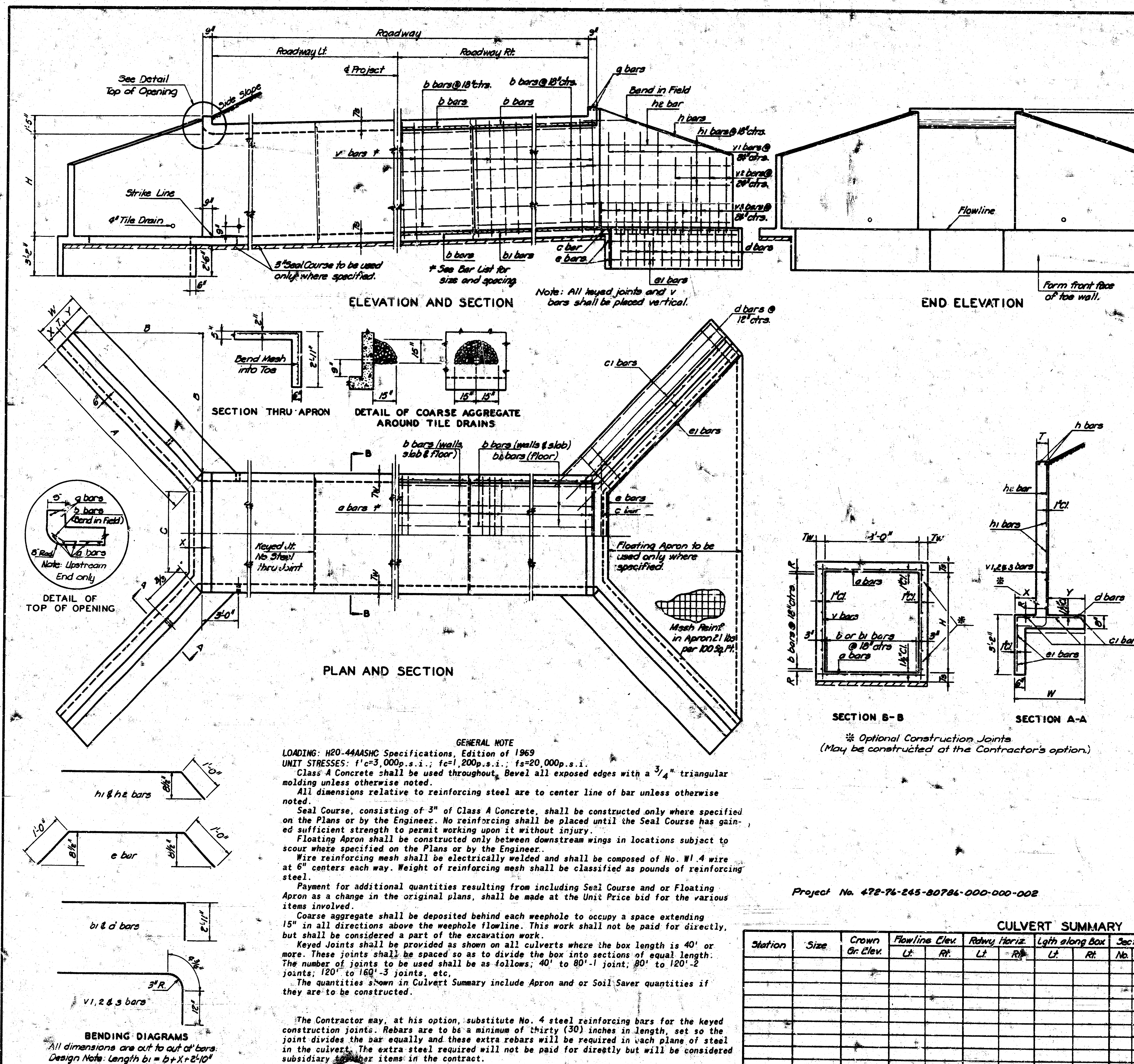
SECTION C-C
(SCALE 1" = 1'0")



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

DETAIL STANDARD TYPE 1A CURB INLET
CITY OF WICHITA, KANSAS
R. W. LINN - CITY ENGINEER
OCTOBER 1978

CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____



LIST OF BARS AND DIMENSIONS

Apron Steel(One)		32 Lbs Seal Course		CY Wtbl. Concrete (Two)		9.11 CY	
Apron Concrete(One)		CY Apron Seal Course		CY Concrete Per Ft. of Box		C	
Letter	A B C H R T T ₈ T ₁₀ W X Y	Bar	a v	Bar	a v	Bar	a v
Dimension	10'-3" 7'-3" 5'-3" 4'-7" 6'-0" 6'-1" 6'-1" 2'-6" 1'-0" 1'-0"	Space		Space		Space	
Bar	a b b ₁ c c ₁ d e e ₁ g h h ₁ h ₂	v	v ₁ v ₂				
Number	12 2 12 4 4 8 4 8	10	12				
Size	#4 #4 #4 #4 #4 #4 #5 #5 #4 #4	#4	#4 #4				
Length	11'-0" 12'-3" 5'-2" 9'-0" 10'-3" 8'-0" 11'-3" 11'-6" 6'-8"	5'-11"	4'-8"				

Apron Steel(One)		40 Lbs Seal Course		CY Wtbl. Concrete (Two)		11.67 CY	
Apron Concrete(One)		3.181 CY Apron Seal Course		CY Concrete Per Ft. of Box		0.630 CY	
Letter	A B C H R T T ₈ T ₁₀ W X Y	Bar	a v	Bar	a v	Bar	a v
Dimension	12'-3" 8'-3" 6'-3" 5'-0" 6'-1" 6'-1" 6'-1" 2'-6" 1'-0" 1'-0"	Space	6'-6" 10"				
Bar	a b b ₁ c c ₁ d e e ₁ g h h ₁ h ₂	v	v ₁ v ₂				
Number	320 48 12 2 12 52 4 8 4 8 12 4	110	16 12				
Size	#6 #6 #6 #4 #4 #4 #4 #5 #5 #4 #4	#4	#4 #4				
Length	8'-0" 26'-0" 22'-5" 11'-0" 14'-3" 3'-9" 9'-0" 12'-3" 8'-3" 2'-3" 13'-6" 7'-6"	6'-1" 6'-5" 5'-9"					

Apron Steel(One)		50 Lbs Seal Course		CY Wtbl. Concrete (Two)		15.079 CY	
Apron Concrete(One)		3.618 CY Apron Seal Course		CY Concrete Per Ft. of Box		CY	
Letter	A B C H R T T ₈ T ₁₀ W X Y	Bar	a v	Bar	a v	Bar	a v
Dimension	12'-3" 10'-3" 8'-3" 5'-0" 6'-1" 6'-1" 6'-1" 3'-0" 1'-0" 1'-0"	Space		Space		Space	
Bar	a b b ₁ c c ₁ d e e ₁ g h h ₁ h ₂	v	v ₁ v ₂ v ₃				
Number	12 2 12 60 4 8 4 8 12 6	20	16 20				
Size	#4 #4 #4 #4 #4 #4 #4 #5 #5 #4 #4	#4	#4 #4 #4				
Length	11'-0" 17'-5" 5'-8" 9'-0" 14'-3" 6'-0" 12'-3" 15'-6" 10'-0"	7'-0" 5'-10" 3'-6"					

Apron Steel(One)		60 Lbs Seal Course		CY Wtbl. Concrete (Two)		19.439 CY	
Apron Concrete(One)		4.693 CY Apron Seal Course		CY Concrete Per Ft. of Box		CY	
Letter	A B C H R T T ₈ T ₁₀ W X Y	Bar	a v	Bar	a v	Bar	a v
Dimension	12'-3" 10'-3" 8'-3" 5'-0" 6'-1" 6'-1" 6'-1" 3'-0" 1'-0" 1'-0"	Space		Space		Space	
Bar	a b b ₁ c c ₁ d e e ₁ g h h ₁ h ₂	v	v ₁ v ₂ v ₃				
Number	12 2 12 60 4 8 4 8 16 6	20	16 32				
Size	#4 #4 #4 #4 #4 #4 #4 #5 #5 #4 #4	#4	#4 #4 #4				
Length	11'-0" 15'-6" 6'-4" 8'-0" 10'-3" 6'-0" 12'-3" 15'-0" 17'-7" 8'-10"	8'-1" 6'-5" 3'-5"					

Apron Steel(One)		70 Lbs Seal Course		CY Wtbl. Concrete (Two)		24.589 CY	
Apron Concrete(One)		5.442 CY Apron Seal Course		CY Concrete Per Ft. of Box		CY	
Letter	A B C H R T T ₈ T ₁₀ W X Y	Bar	a v	Bar	a v	Bar	a v
Dimension	12'-3" 12'-3" 10'-3" 5'-0" 6'-1" 6'-1" 6'-1" 3'-0" 1'-0" 1'-0"	Space		Space		Space	
Bar	a b b ₁ c c ₁ d e e ₁ g h h ₁ h ₂	v	v ₁ v ₂ v ₃				
Number	12 2 12 76 4 8 4 8 16 6	20	20 36				
Size	#4 #4 #4 #4 #4 #4 #4 #5 #5 #4 #4	#4	#4 #4 #4				
Length	11'-0" 12'-5" 8'-0" 8'-0" 10'-3" 9'-0" 20'-0" 15'-8" 16'-3"	8'-1" 7'-0" 6'-0"					

Apron Steel(One)		Lbs Seal Course		CY Wtbl. Concrete (Two)		CY	
Apron Concrete(One)		CY Apron Seal Course		CY Concrete Per Ft. of Box		CY	
Letter	A B C H R T T ₈ T ₁₀ W X Y	Bar	a v	Bar	a v	Bar	a v
Dimension		Space		Space		Space	
Bar	a b b ₁ c c ₁ d e e ₁ g h h ₁ h ₂	v	v ₁ v ₂ v ₃				
Number	12 2 12	4 8 4 8					
Size	#4 #4 #4 #4 #4 #4 #5 #5 #4 #4	#4	#4 #4				
Length	11'-0"						