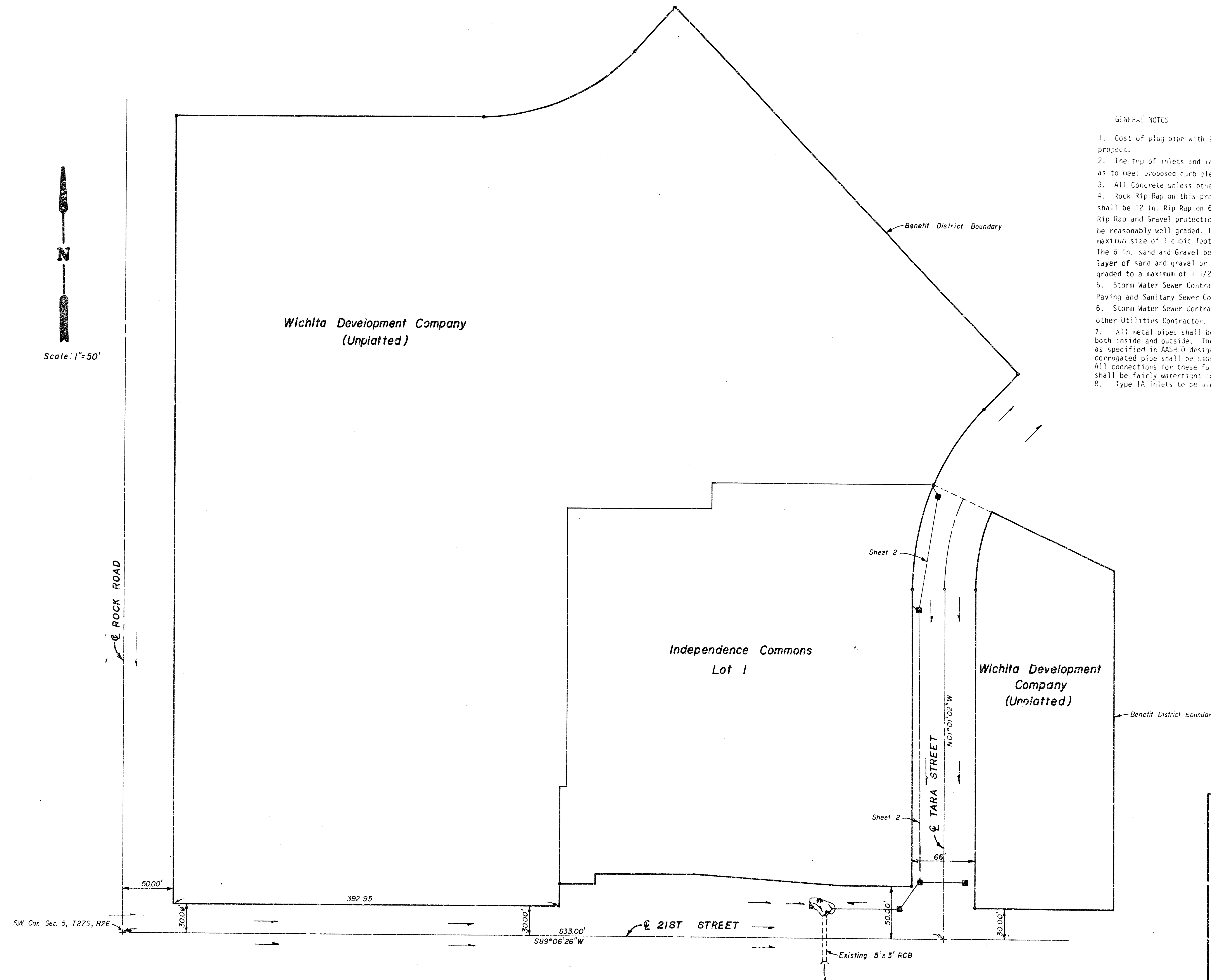


STORM WATER SEWER NO. 168

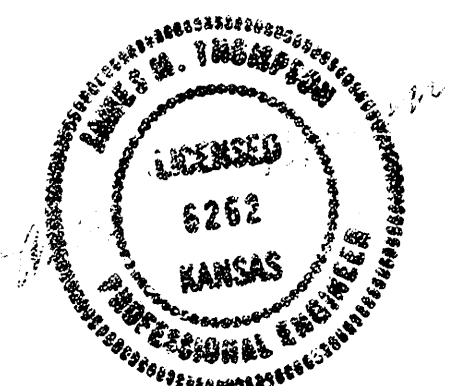


GENERAL NOTES

1. Cost of plug pipe with 2" wooden Bulkhead shall be incidental to project.
2. The trip of inlets and manholes as noted on the plans may vary so as to meet proposed curb elevations or pavement elevations.
3. All Concrete unless otherwise noted shall be "6 Sack Concrete".
4. Rock Rip Rap on this project shall be type 3. The type 3 Rip Rap shall be 12 in. Rip Rap on 6 in. sand and Gravel bedding. The Rock Rip Rap and Gravel protection shall be hard, dense, durable, and shall be reasonably well graded. The size range of rock used shall have a maximum size of 1 cubic foot, and a minimum size of 1 1/2 inches. The 6 in. sand and Gravel bedding for Rip Rap shall be a continuous layer of sand and gravel or sand and crushed rock, reasonably well graded to a maximum of 1 1/2 in. in size.
5. Storm Water Sewer Contractor to Coordinate Construction with Paving and Sanitary Sewer Contractor.
6. Storm Water Sewer Contractor to Coordinate Construction with all other Utilities Contractor.
7. All metal pipes shall be heli ally corrugated pipe fully coated both inside and outside. The coating may be bituminous or polymeric as specified in AASHTO designation M246-70, Type B. All such coated corrugated pipe shall be smooth flow pipes for sizes 24" Diameter or larger. All connections for these fully coated or fully paved and full coated pipe shall be fairly watertight constructed using rubber type coupler or equal.
8. Type 1A Inlets to be used at all locations unless otherwise noted.

INDEX

1. Title page
2. Plan View
3. Type 1A Inlet
4. Miscellaneous drainage details



As B-1-37480

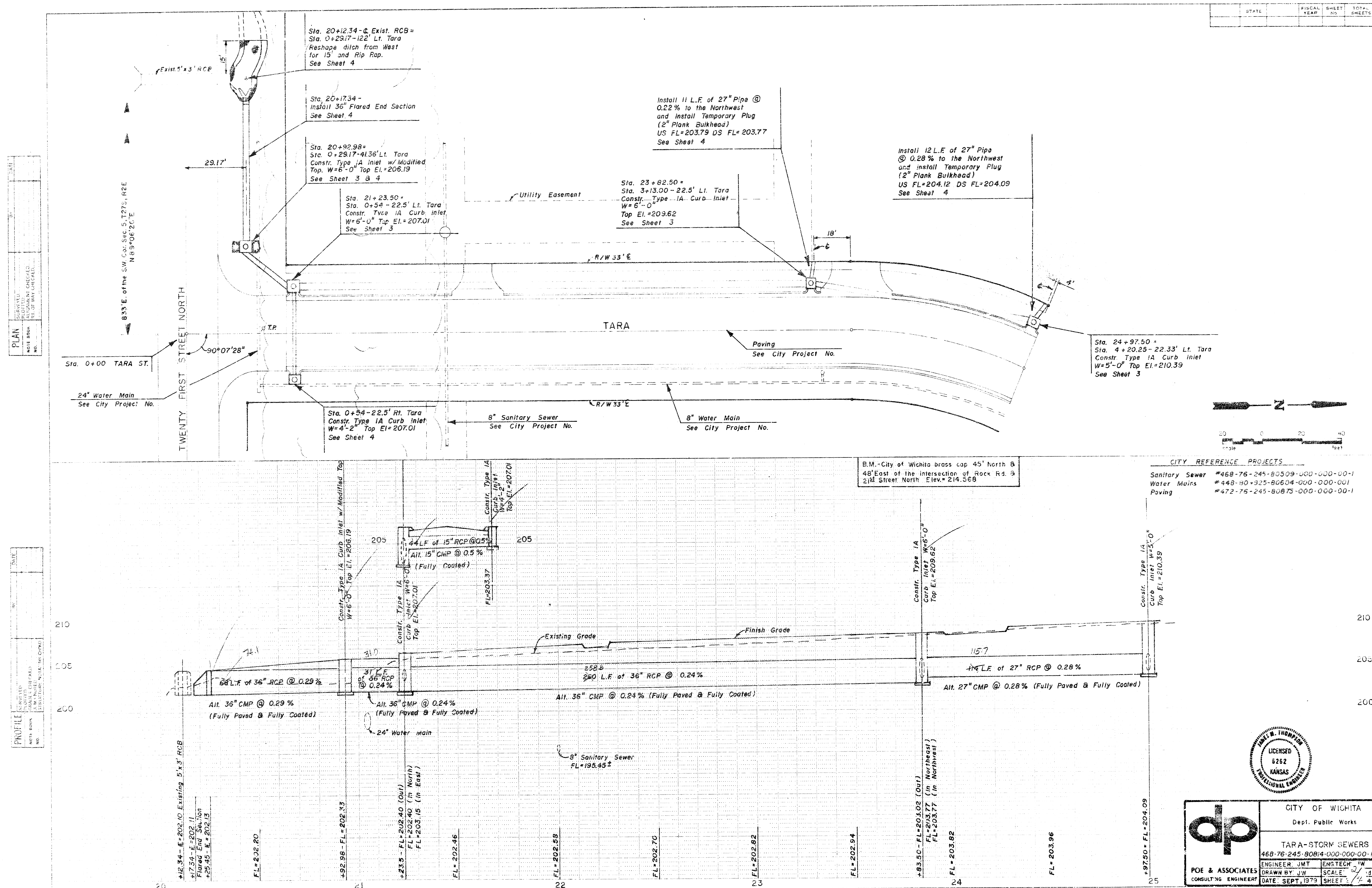
STORM WATER SEWER NO. 168 INDEPENDENCE COMMONS

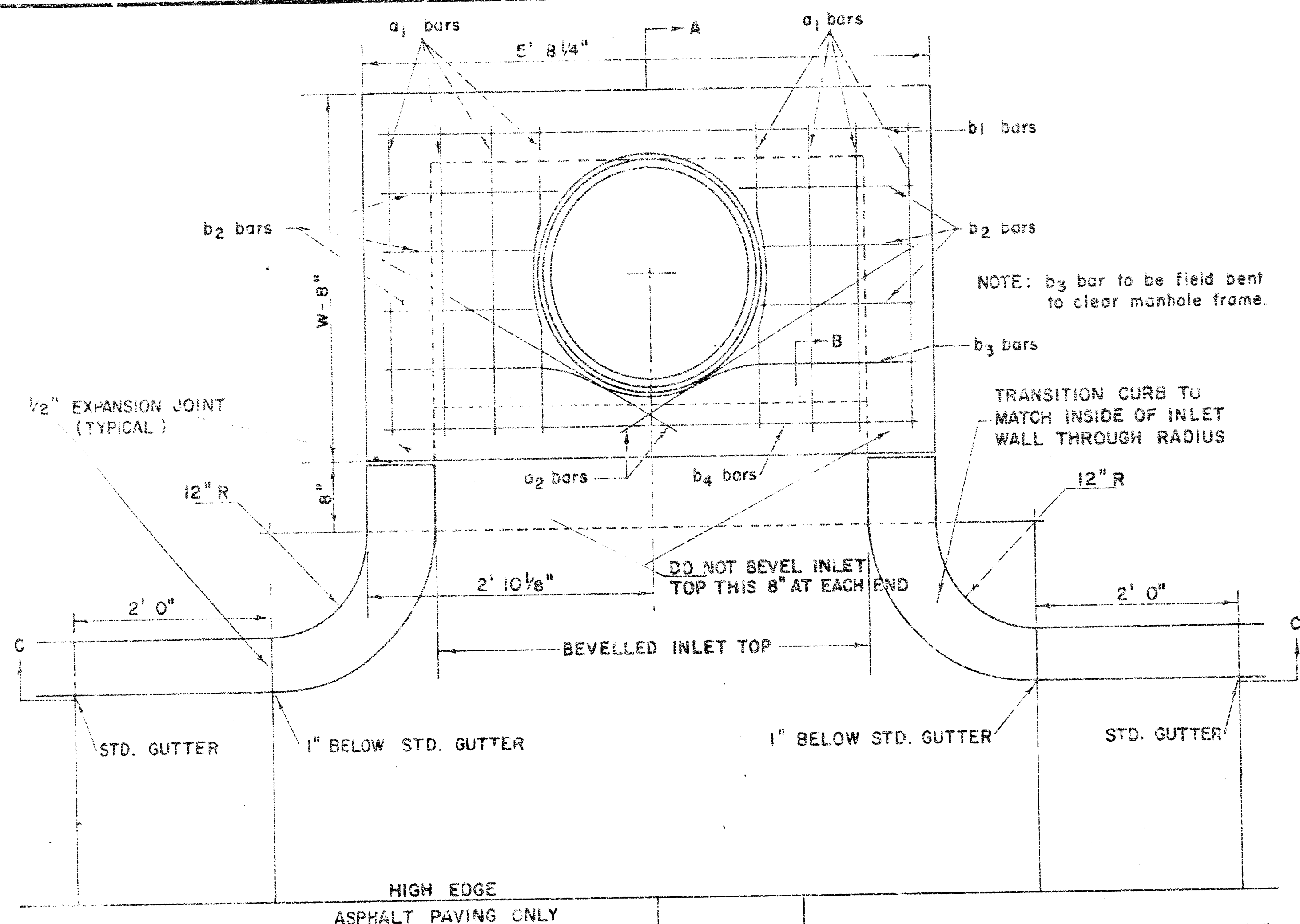
City of Wichita, Kansas
Dean Sellers-Acting City Engineer
Date

Proj. No. 468-76-245-80914-000-000-001

dp POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS 1/4

20 0 20
scale feet





PLAN (SCALE 1" = 1' 0")

STEEL SCHEDULE

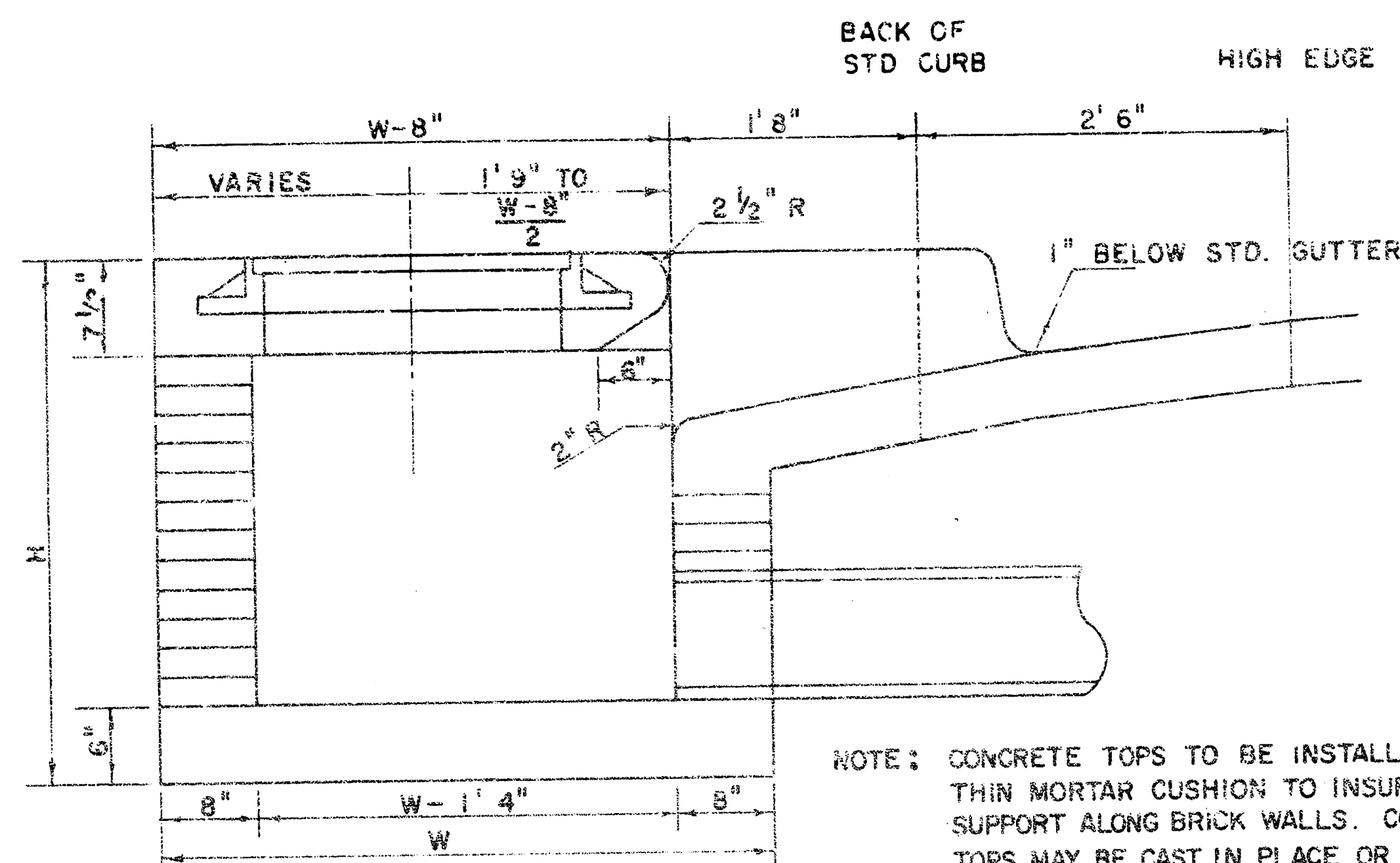
BAR	a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	8	2	1	3	5	7	9
SIZE	#4	#4	#4	#4	#4	#4	#6
W=4'2"	6'5"	3'4"	5'5"	-	-	-	60*
W=5'0"	8'1"	4'4"	-	5'5"	-	-	77*
W=6'0"	10'1"	5'4"	-	-	5'5"	-	97*
W=7'0"	11'1"	6'4"	-	-	-	5'5"	111*
W=8'0"	12'1"	7'4"	-	-	-	-	124*

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

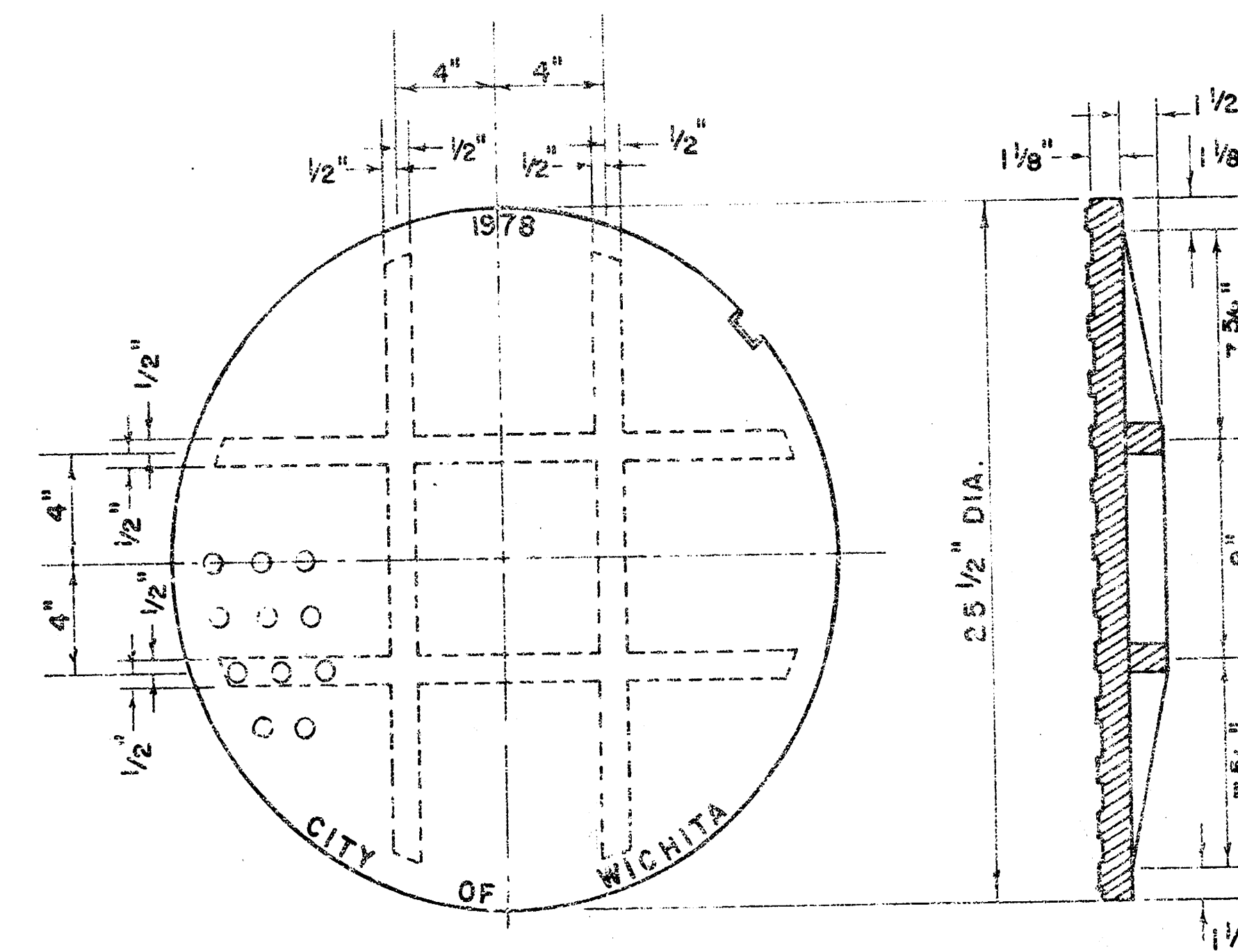
BENDING DIAGRAM

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	3'6"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	4'4"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	5'4"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	6'4"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

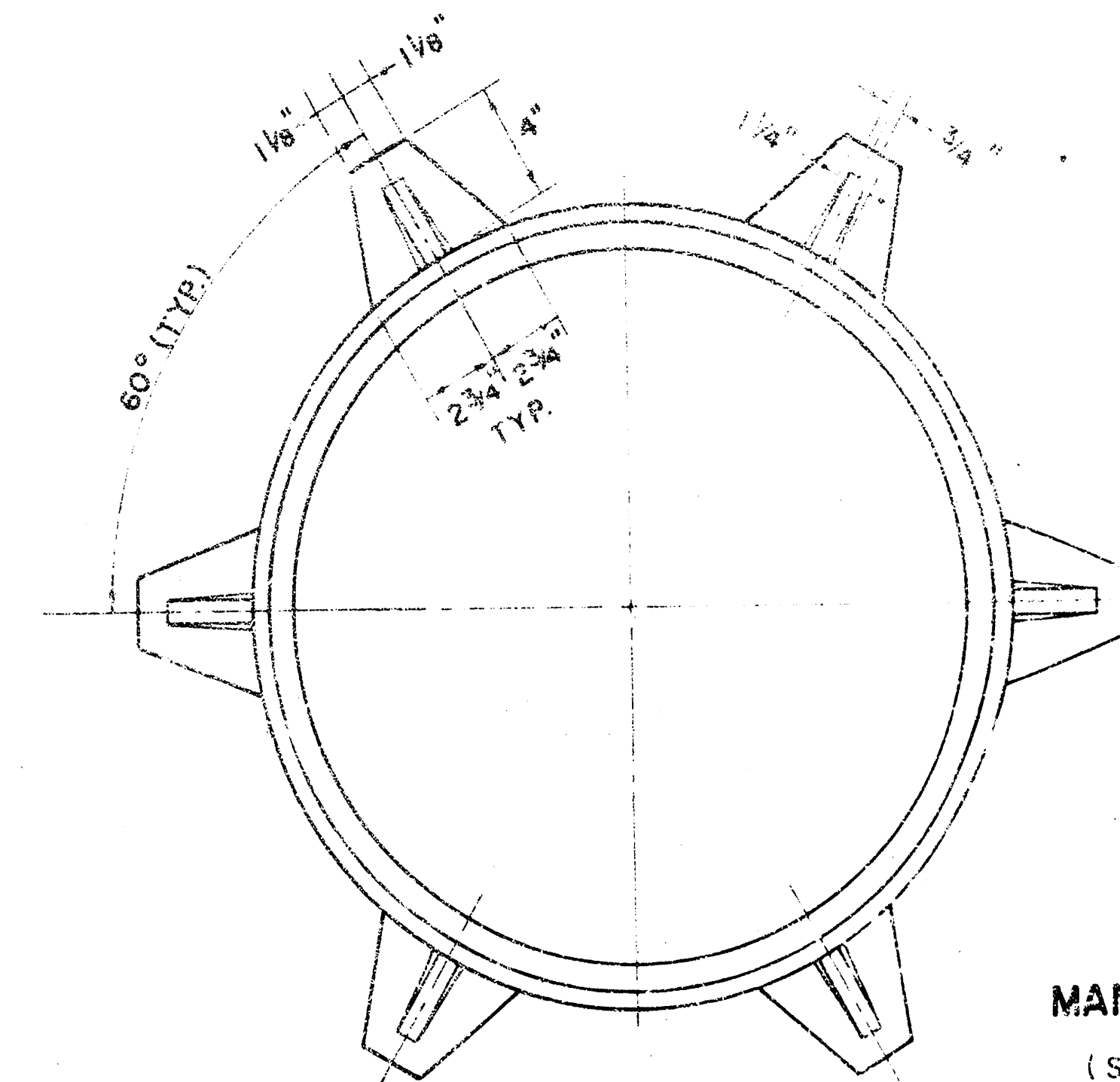


SECTION A-A
(SCALE 1" = 1' 0")

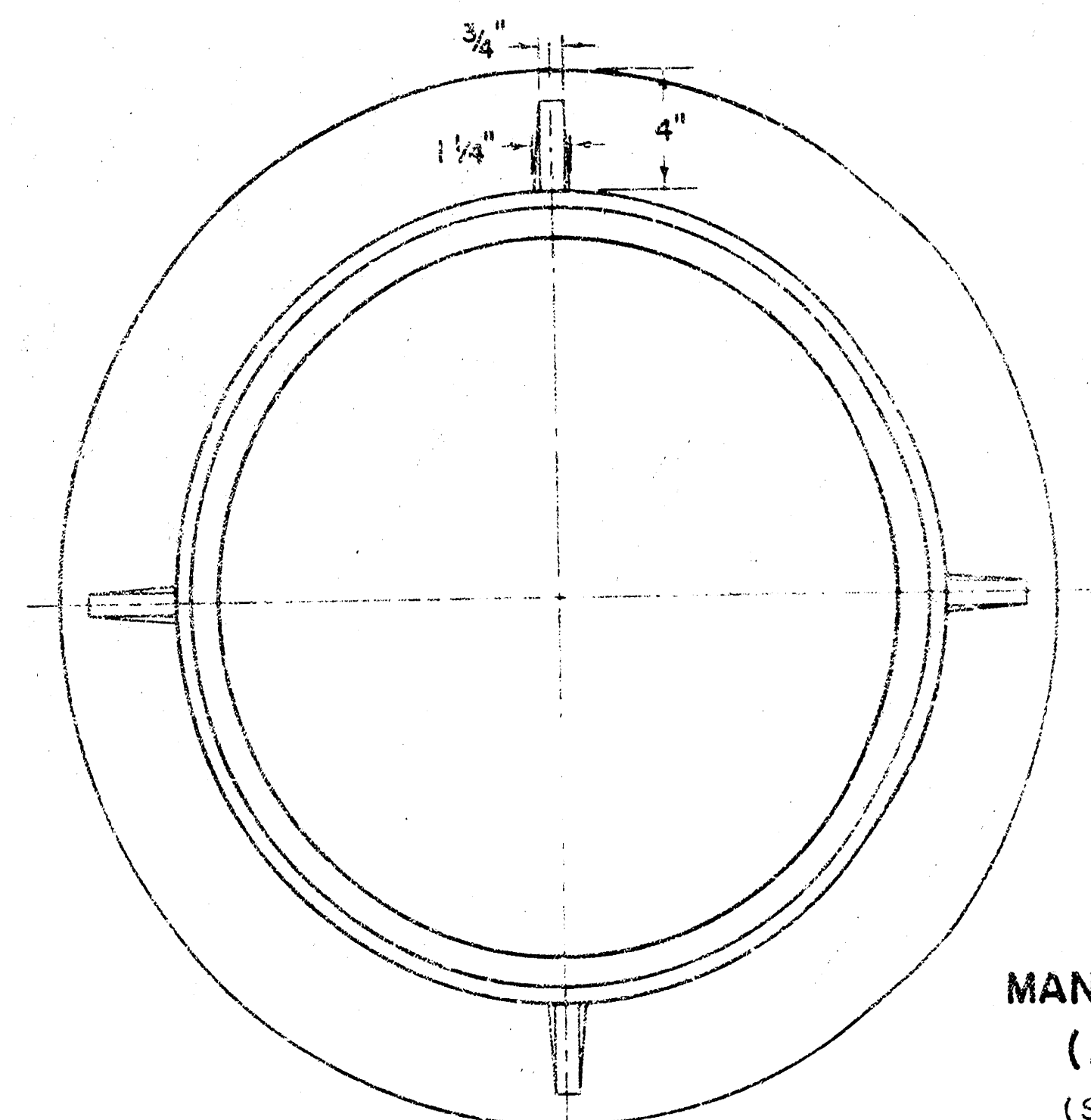
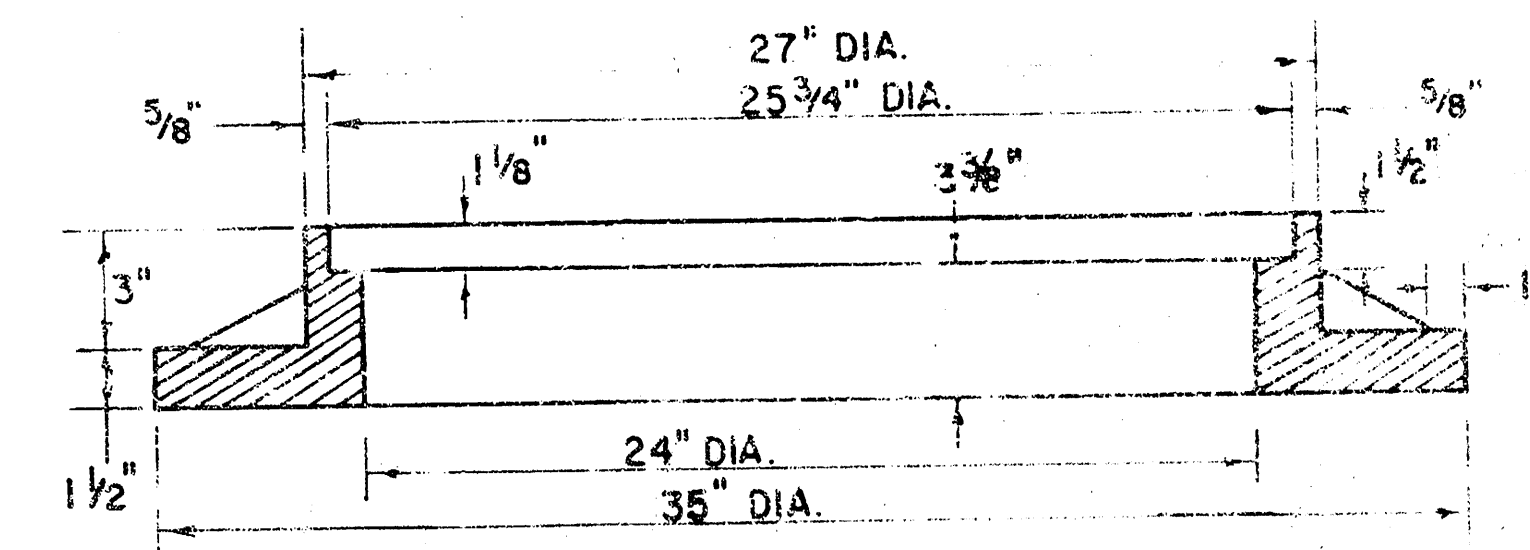


MANHOLE COVER

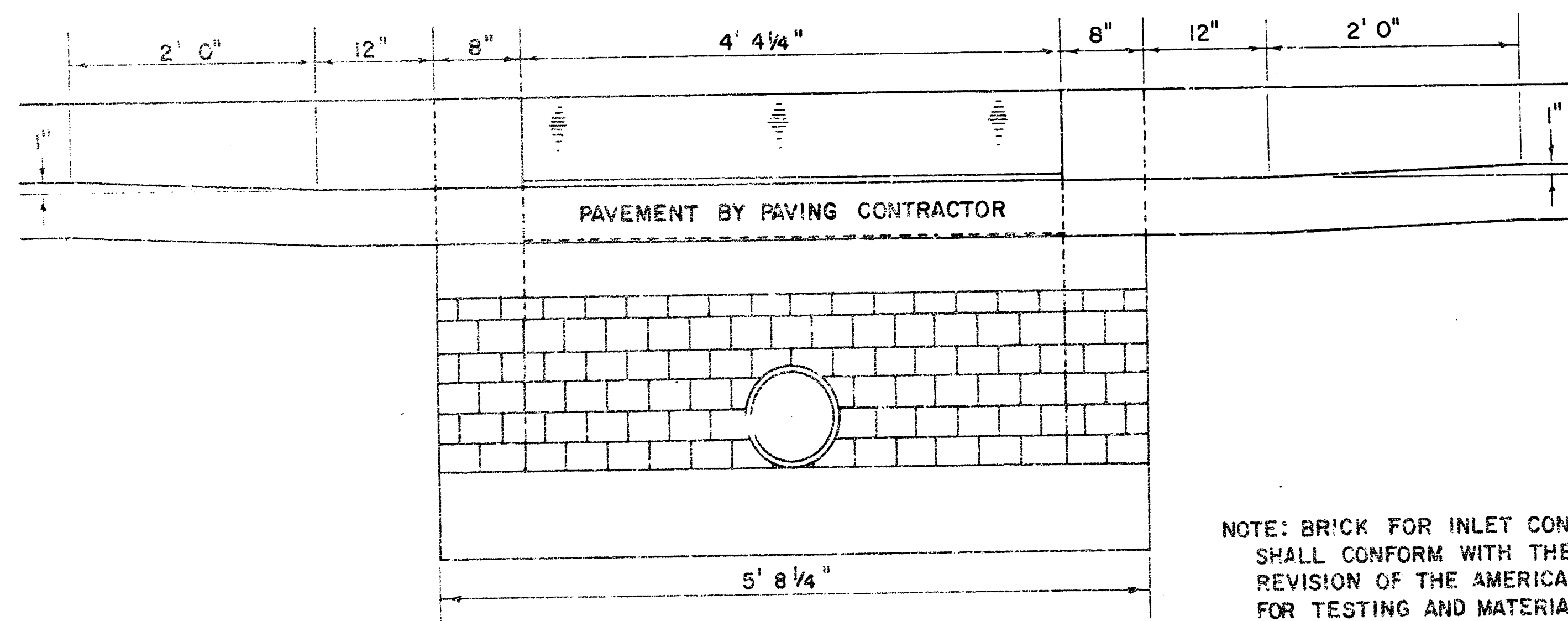
(SCALE 1" = 6")
WEIGHT = 170 LBS.



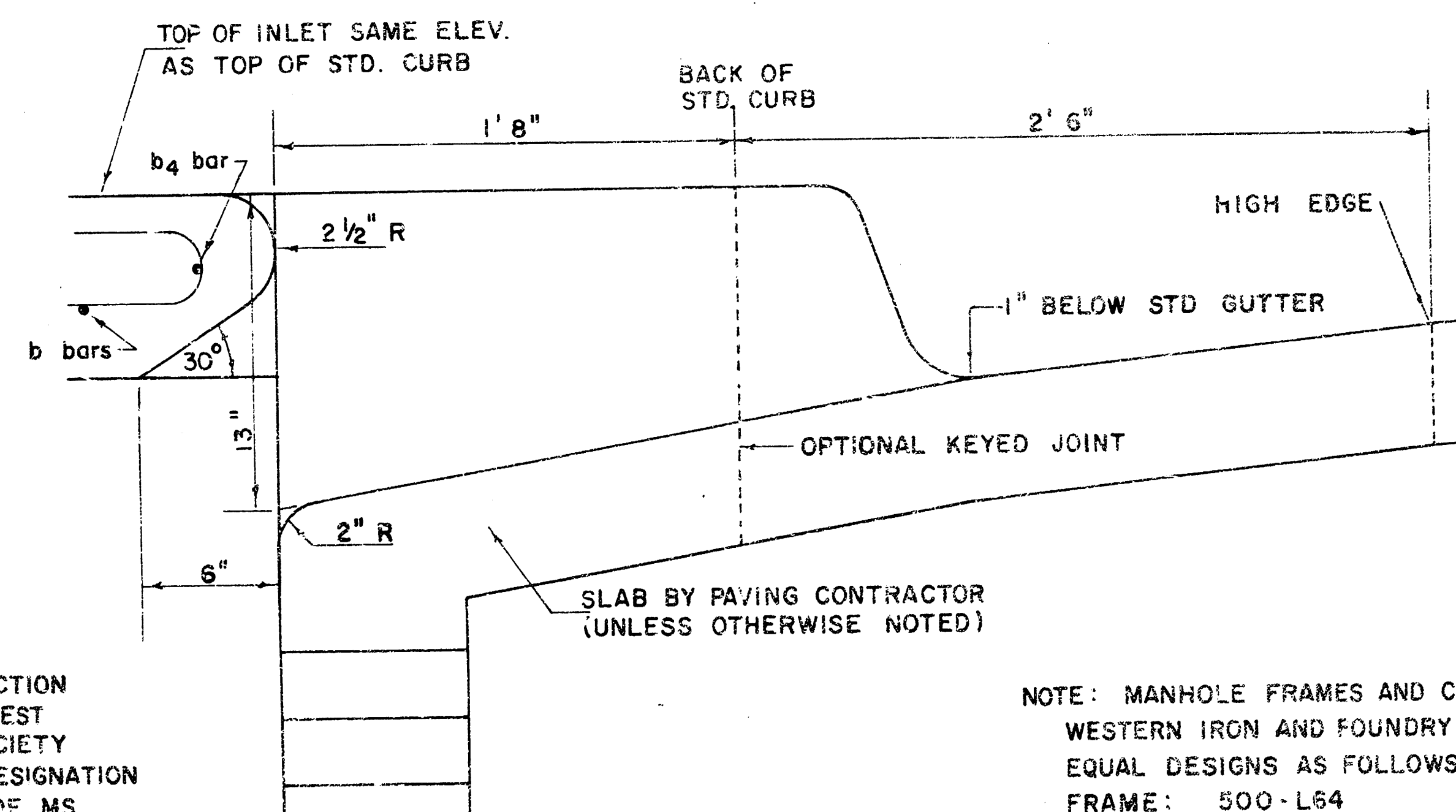
MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



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



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



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

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.

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 500-L64
FRAME (ALTERNATE): 500 A4
COVER: 222 54 "NOBBY"

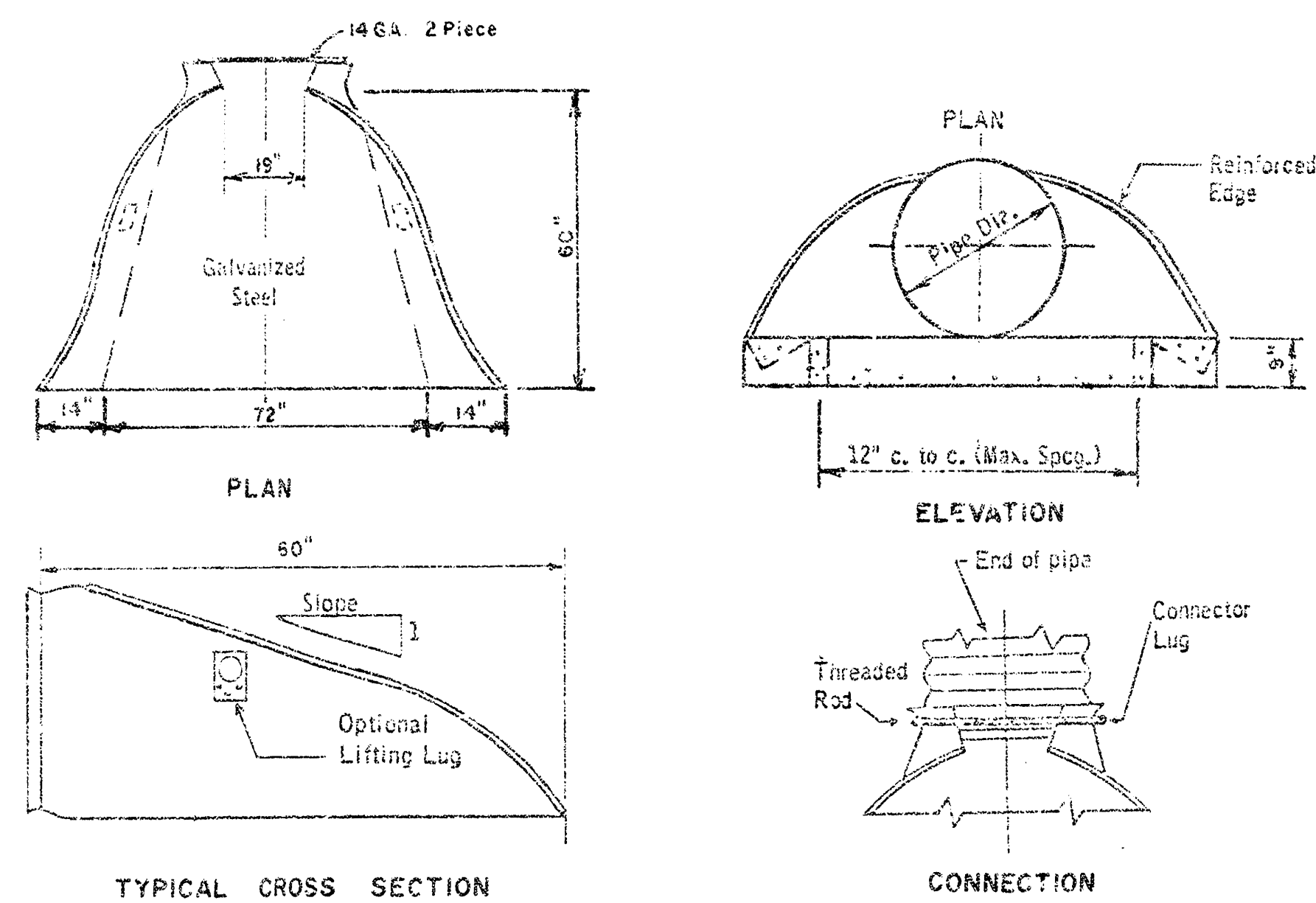
DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

R. W. LINN - CITY ENGINEER

OCTOBER 1978

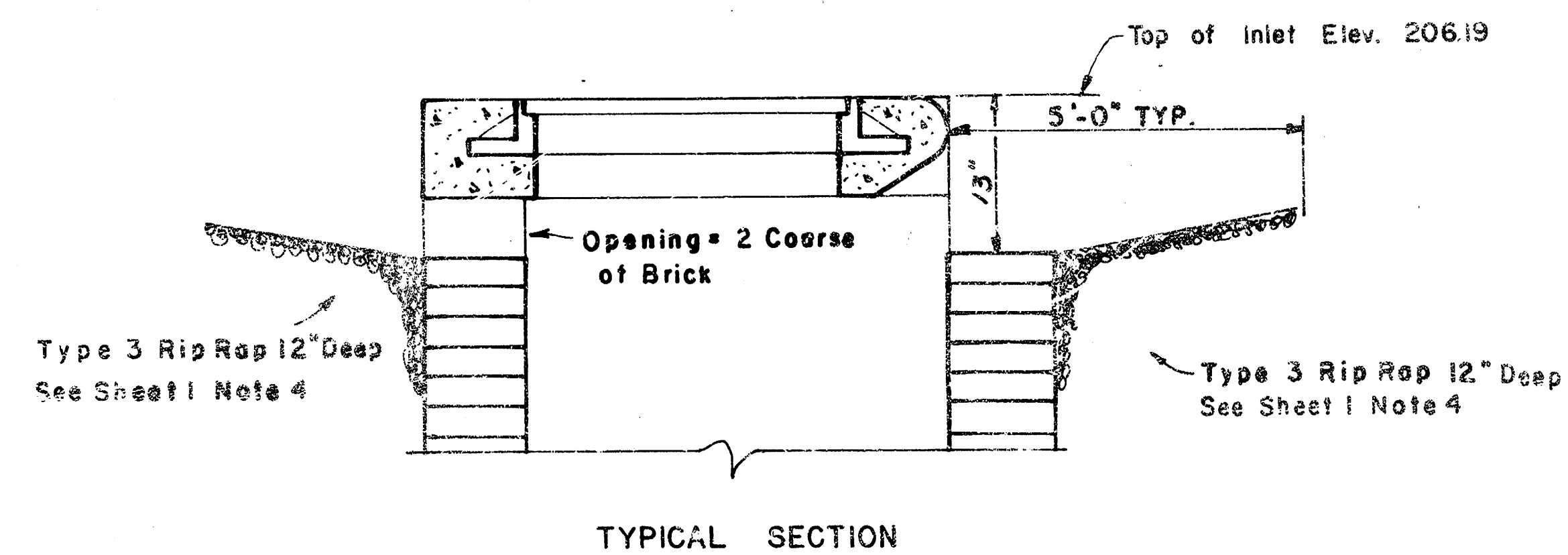
Sht 3 of 4 Shts



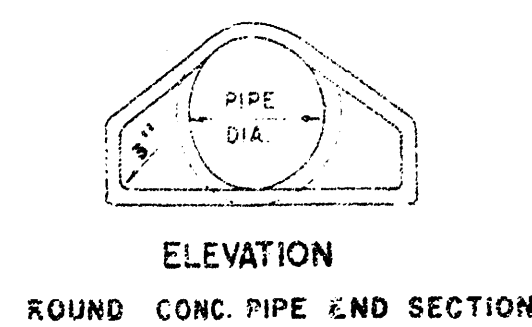
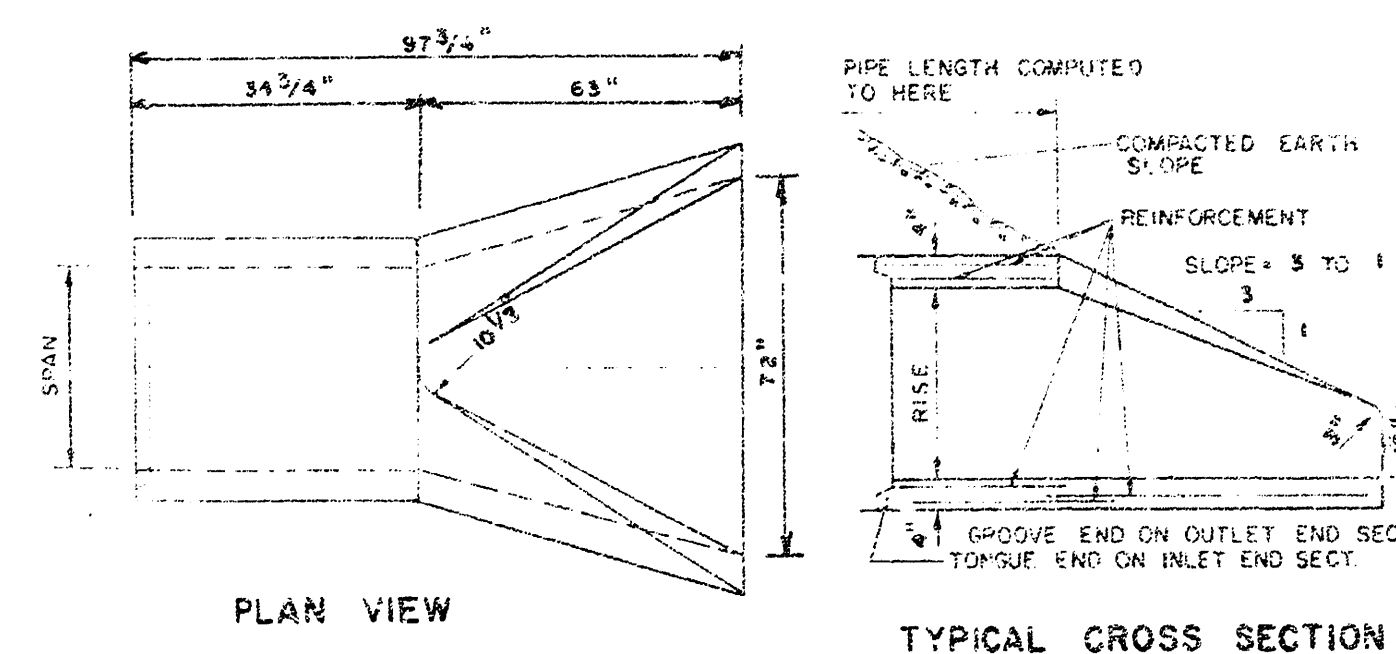
36" STEEL FLARED END SECTION

NOTE: Steel Flared End Section shall be used when steel pipe is selected and shall comply with the City of Wichita Standard Specifications.

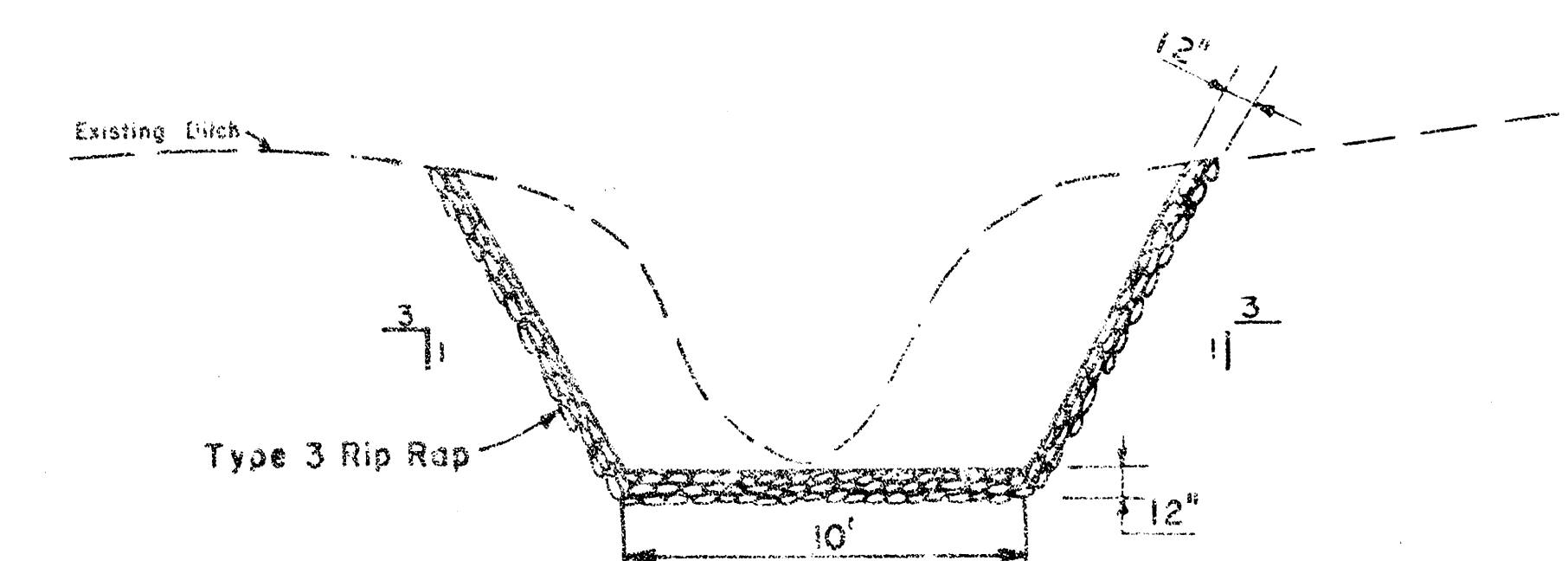
NOTE: All Construction requirements shall comply with methods for Type IA Curb Inlet See Sheet 3



MODIFIED TOP FOR A TYPE IA CURB INLET

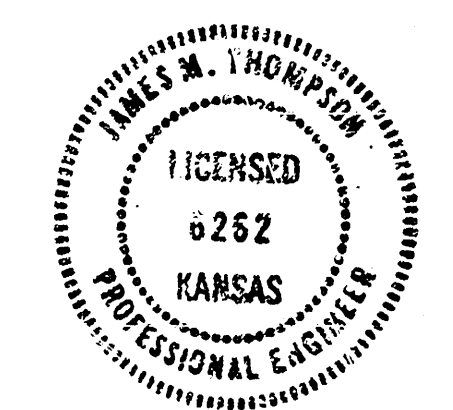
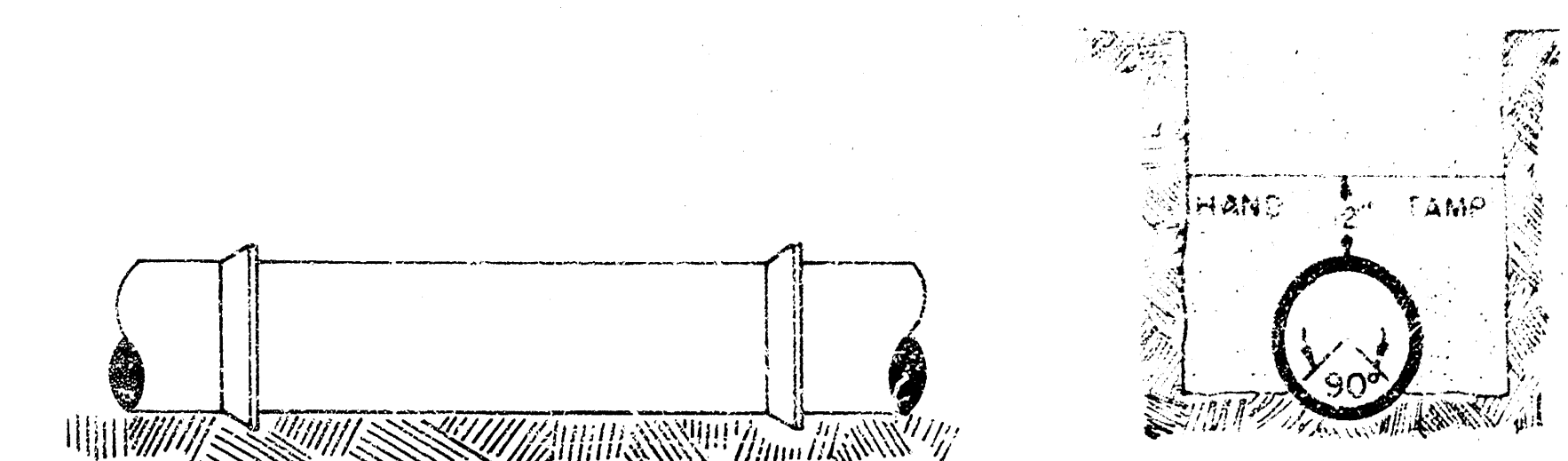


36" R.C. FLARED END SECTION



TYPICAL DRAINAGE DITCH

See Sheet 1 Note 4



	CITY OF WICHITA	
	Dept. Public Works	
	MISC. DRAINAGE DETAILS	
	458-76-80814-000-000-00-1	
POE & ASSOCIATES CONSULTING ENGINEERS	ENGINEER JMT	ENG. TECH. JMW
	DRAWN BY JLW	SCALE 1/4" = 1'-0"
DATE: SEPT. 1979		SHEET 4 OF 4