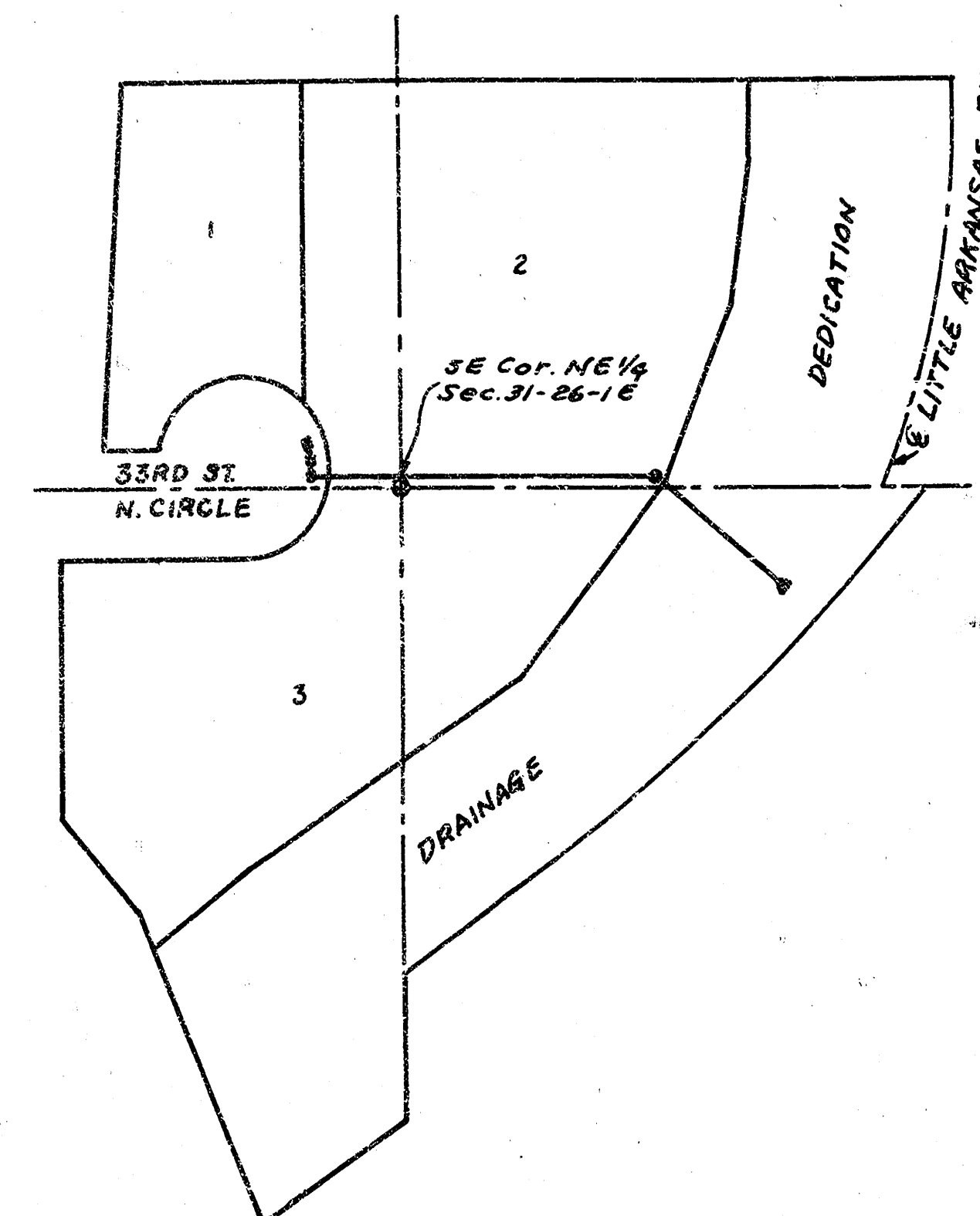


STORM WATER SEWER NO. 177

RACETTE - RIVEREND ADDITION

GENERAL NOTES

- 1.) CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT.
- 2.) THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
- 3.) THE CONTRACTOR SHALL AVOID REMOVING ANY TREES UNLESS IT IS ABSOLUTELY NECESSARY. CONTRACTOR IS TO TAKE WHATEVER PRECAUTION THE ENGINEER DEEMS NECESSARY (SHORING, SHIELDING, ETC.) TO INSURE THAT THE TREES IN THE VICINITY OF CONSTRUCTION ARE PROTECTED FROM INJURY (COST INCIDENTAL TO PROJECT).
- 4.) CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.
- 5.) CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRE-CAST TYPE 1A CURB INLET IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRE-CAST TYPE 1A CURB INLET DATED AUGUST, 1979.



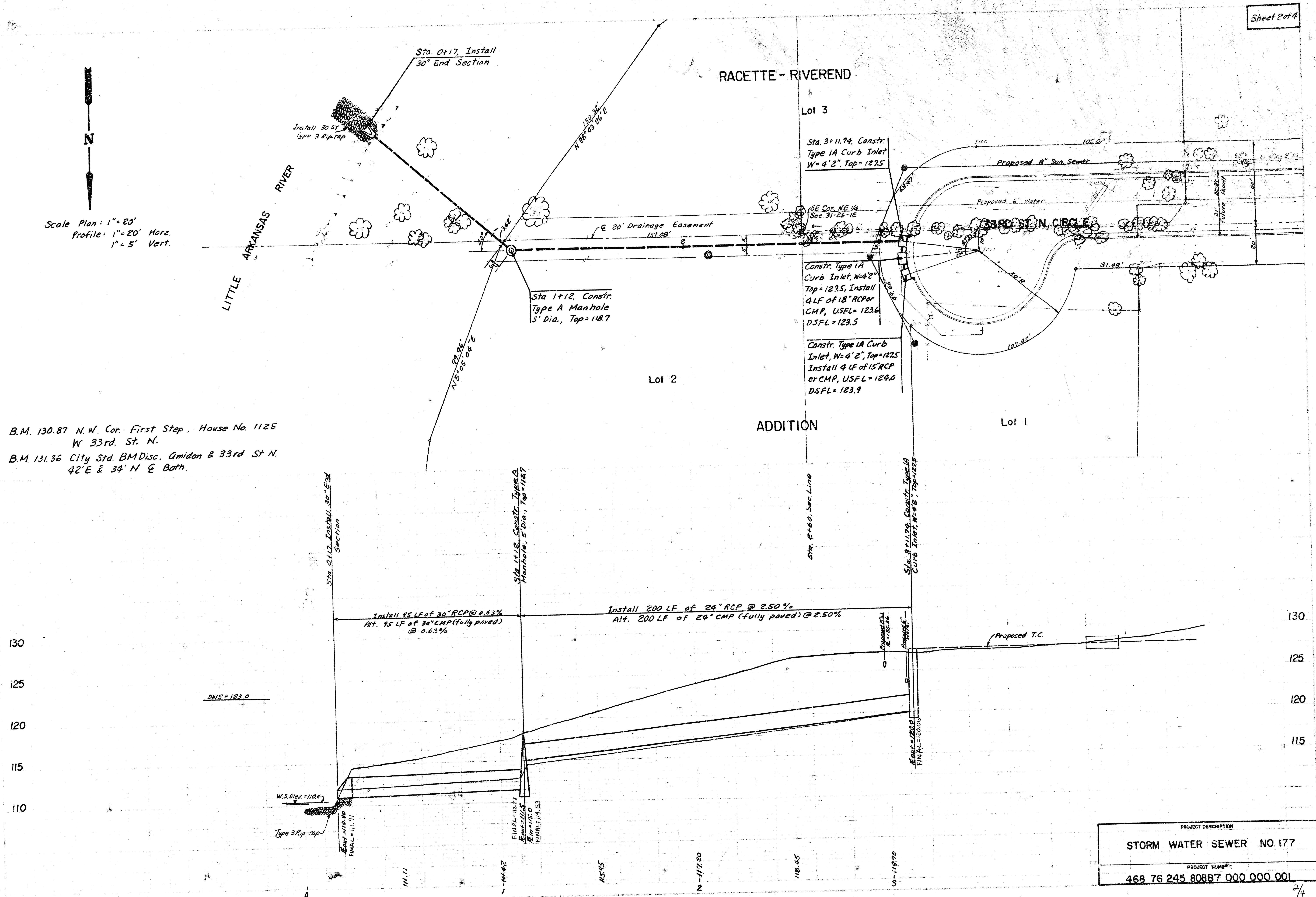
Sheet	Index
1	Cover Sheet
2	Plan & Profile
3	Type 1A Inlet
4	Type A Manhole

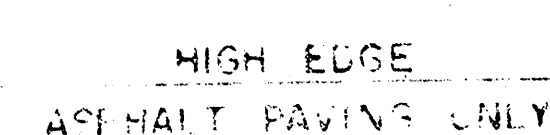
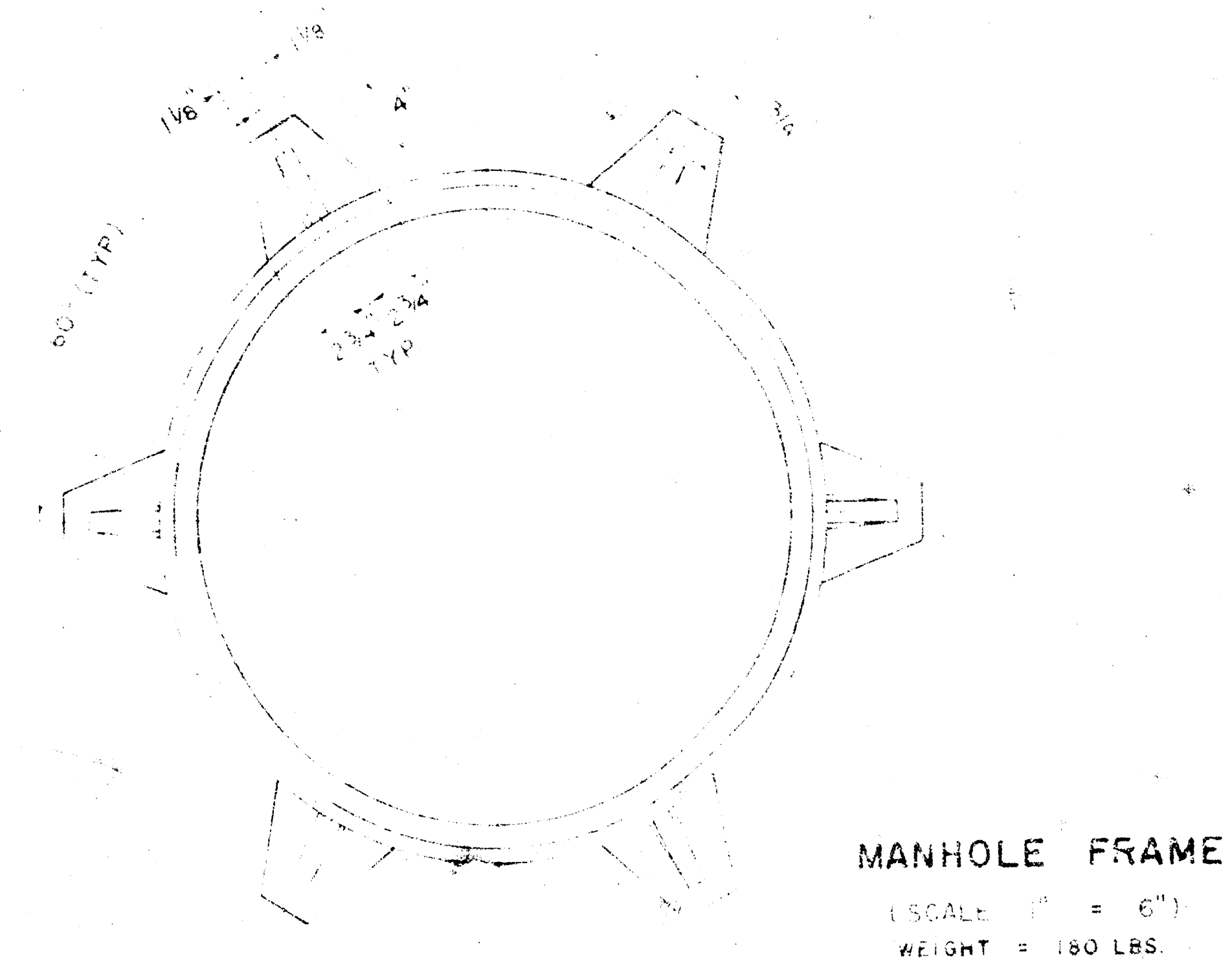
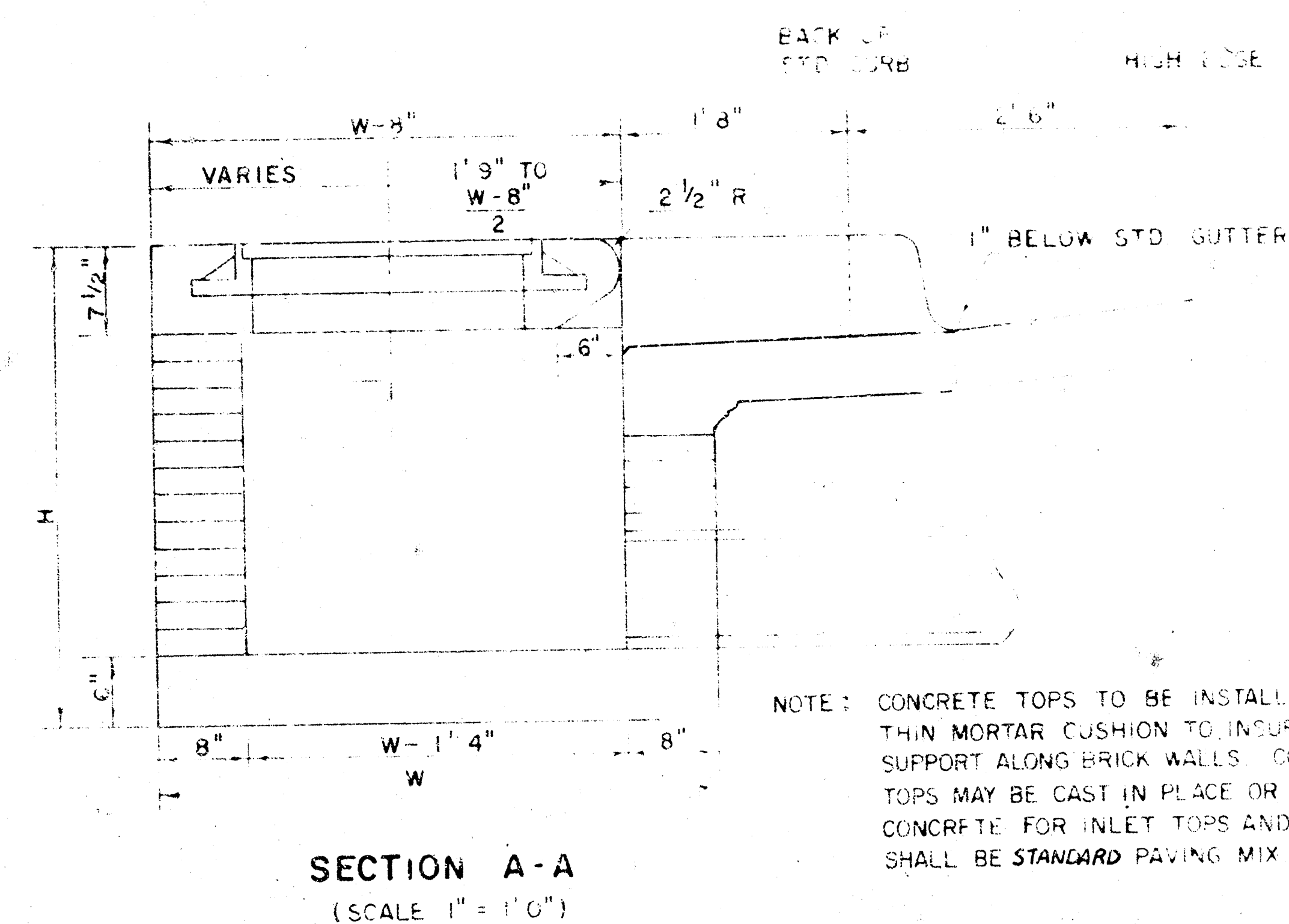
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY FROM THE PROJECTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY LINES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH LINES SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE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

R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/
CITY ENGINEER

CITY OF WICHITA, KANSAS
PROJECT NO. 468 76 245 80887 000 000 001

DATE: _____





PLAN (SCALE 1" = 1' 0")

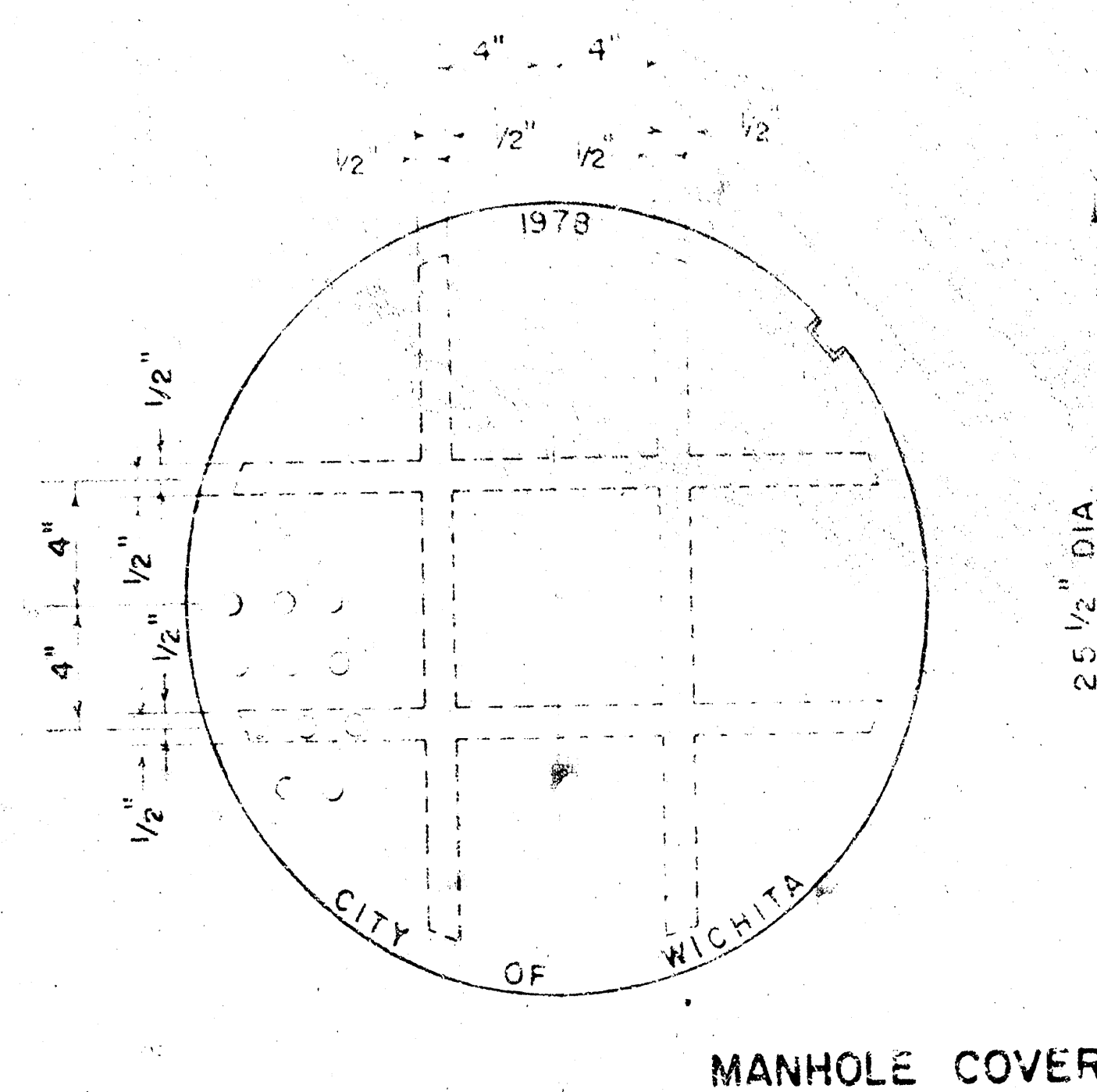
STEEL SCHEDULE												
BAR	a ₁	a ₂	b ₁				b ₂	b ₃	b ₄	WT. LBS.		
			W=4"2"	W=5"0"	W=6"0"	W=7"0"	W=8"0"					
NUMBER	1	2	1	3	5	7	3	6	1	1		
SIZE	"	"	"	"	"	"	"	"	"	"		
	W=4"2"	6"5"	3"4"	5"5"	-	-	-	1"5"	5"6"	5"5"	60 ¹	
	W=5"0"	8"1"	4"4"	-	5"5"	-	-	1"5"	5"6"	5"5"	77 ¹	
	W=6"0"	10"1"	5"4"	-	-	5"5"	-	1"5"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

* NOTE : 6₂ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

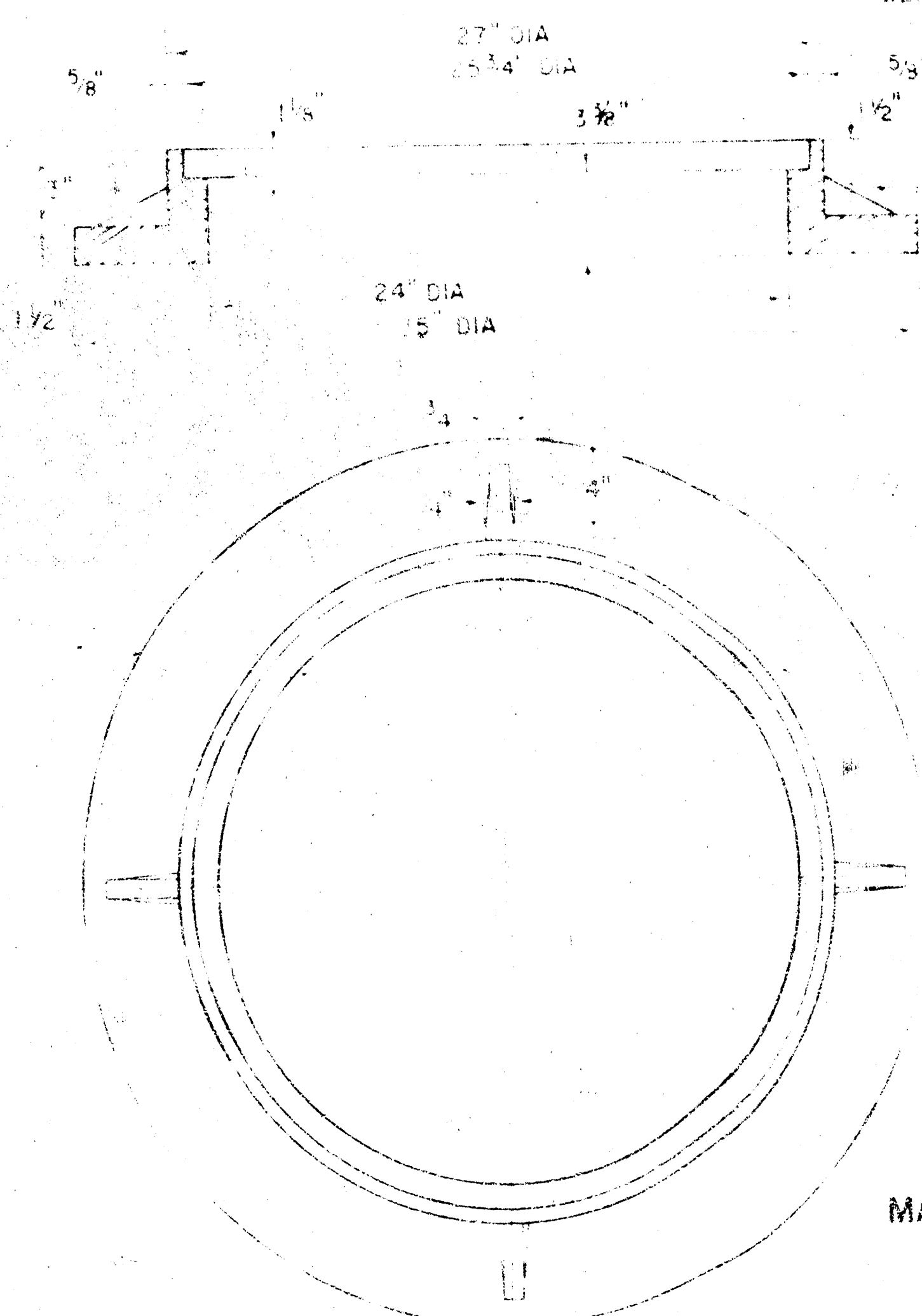
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	36" x 5' 8 1/4" x 7' 1/2"	21" & SMALLER	0.46 *
5' 0"	44" x 5' 8 1/4" x 7' 1/2"	24" & 30"	0.57 *
6' 0"	54" x 5' 8 1/4" x 7' 1/2"	36" & 42"	0.71 *
7' 0"	64" x 5' 8 1/4" x 7' 1/2"	48" & 54"	0.84 *
8' 0"	74" x 5' 8 1/4"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

* GROSS VOLUME



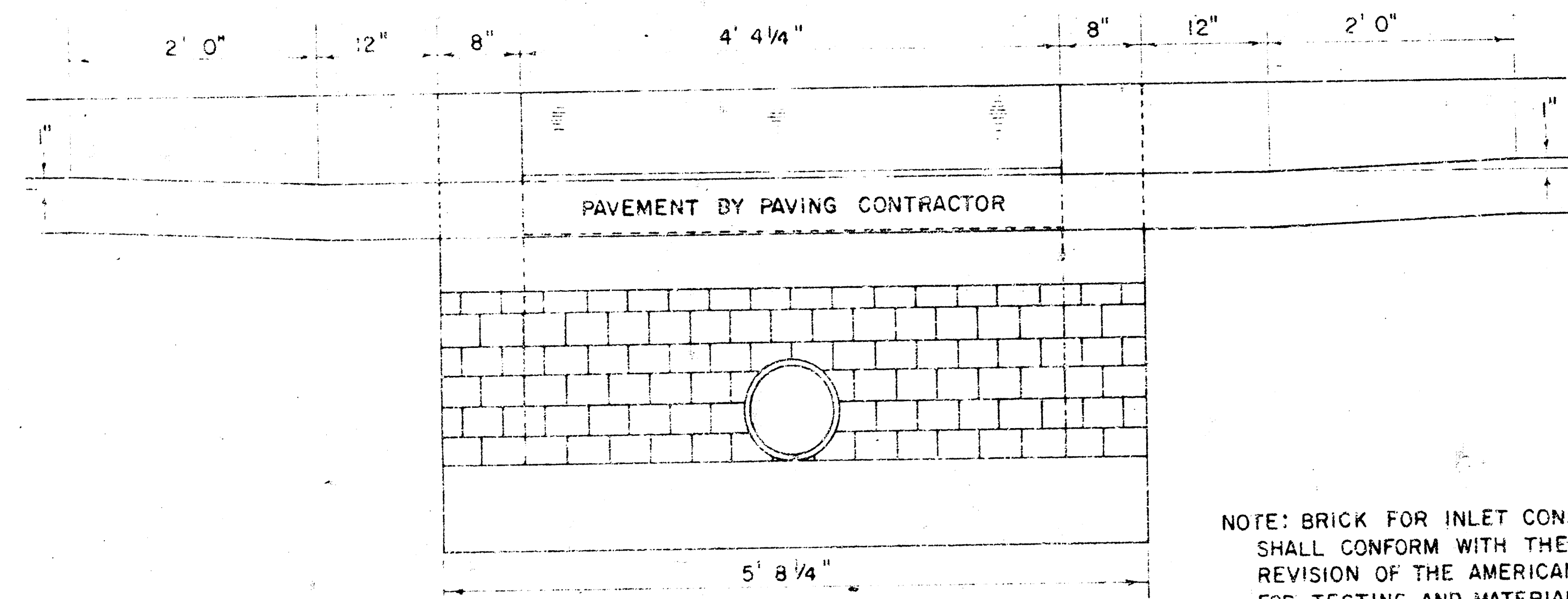
MANHOLE COVER

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

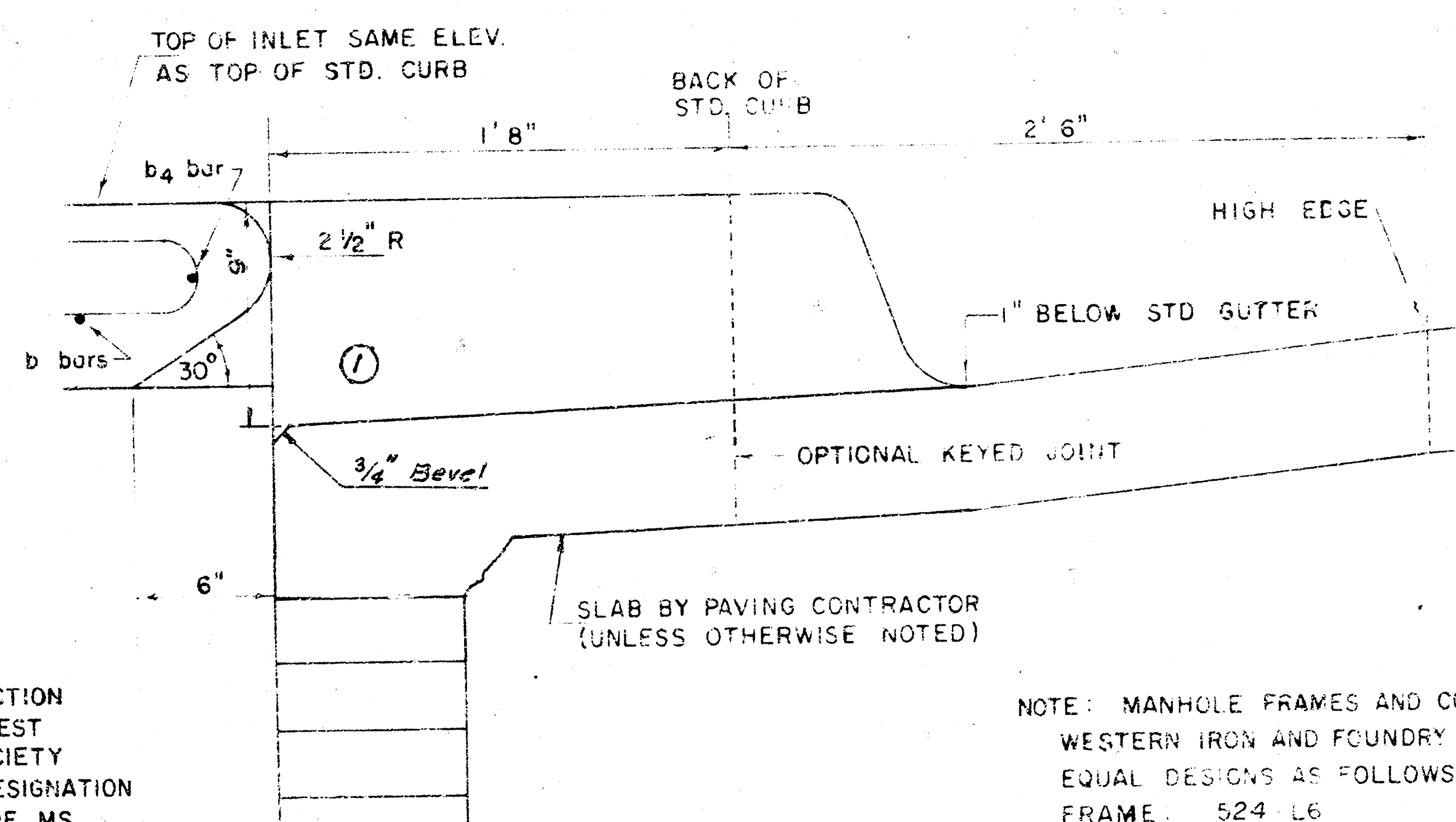


MANHOLE FRAME
(ALTERNATE)

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



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



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 1A CURB INLET

CITY OF WICHITA, KANSAS
R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/
CITY ENGINEER

JUNE, 1981

Sheet 2 of 4

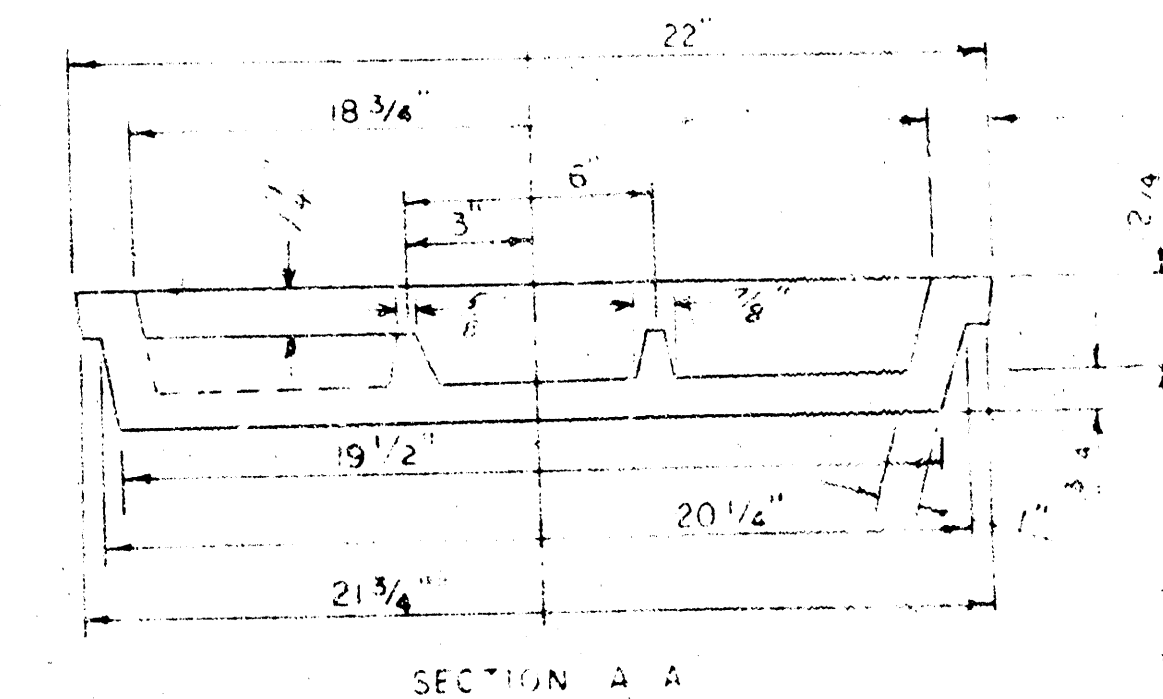
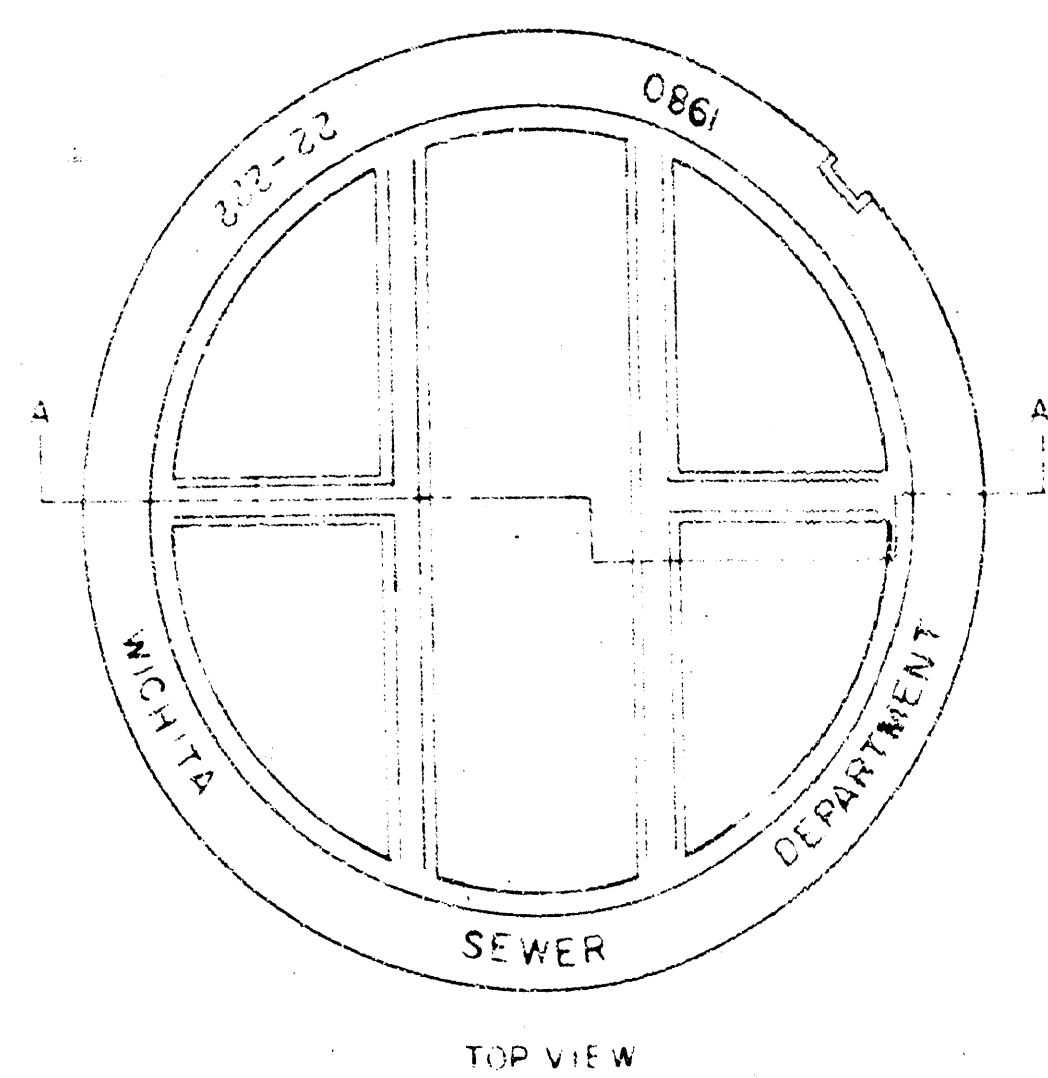
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AVAILABLE COPY

SEWER APPURTENANCES DETAILS

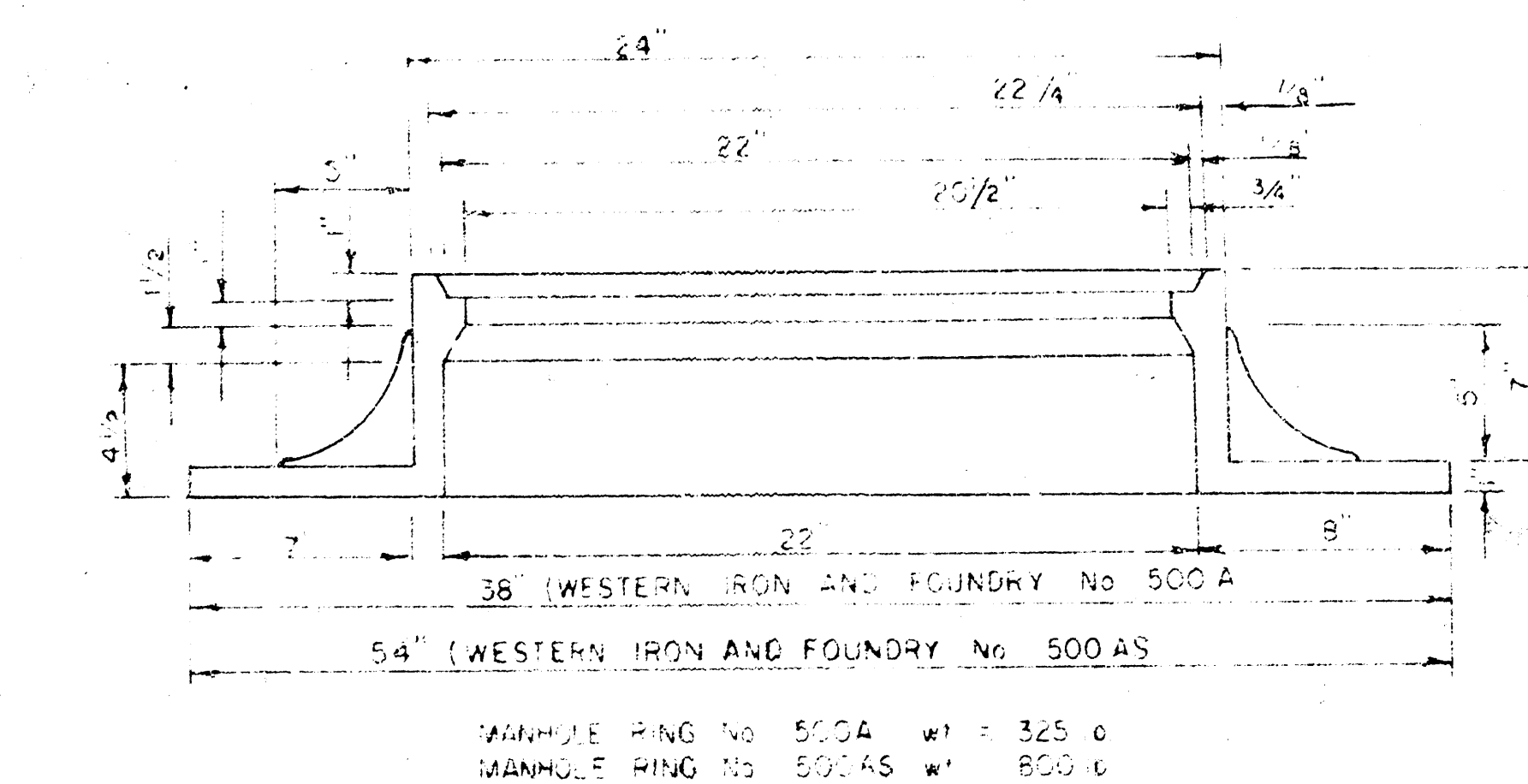
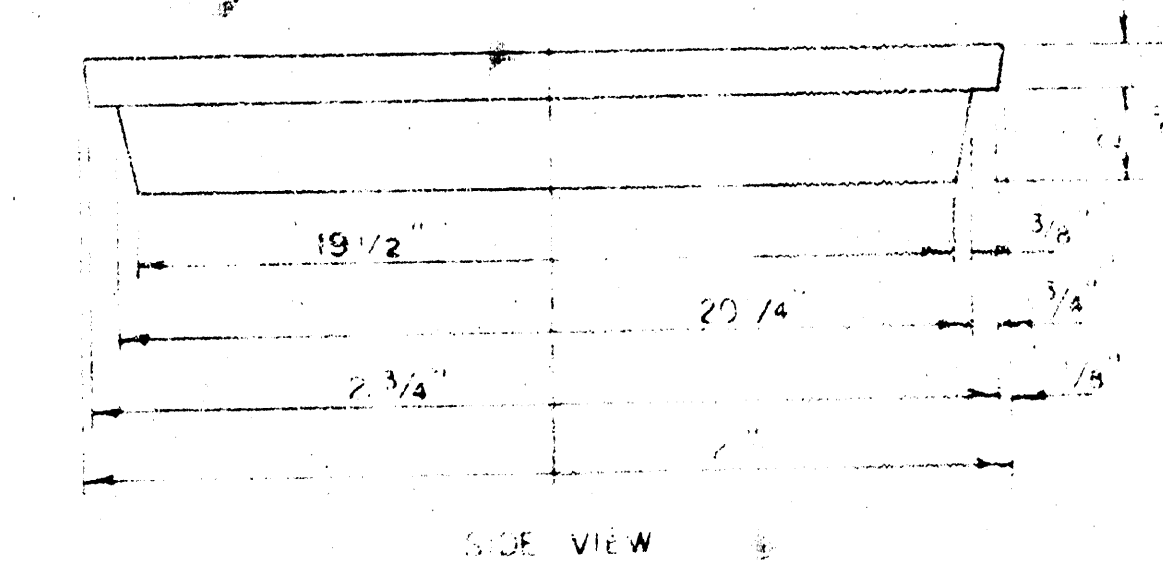
ADOPTED AS STANDARD DESIGN
BY

CITY of WICHITA, KANSAS

REVISED SEPTEMBER 1980



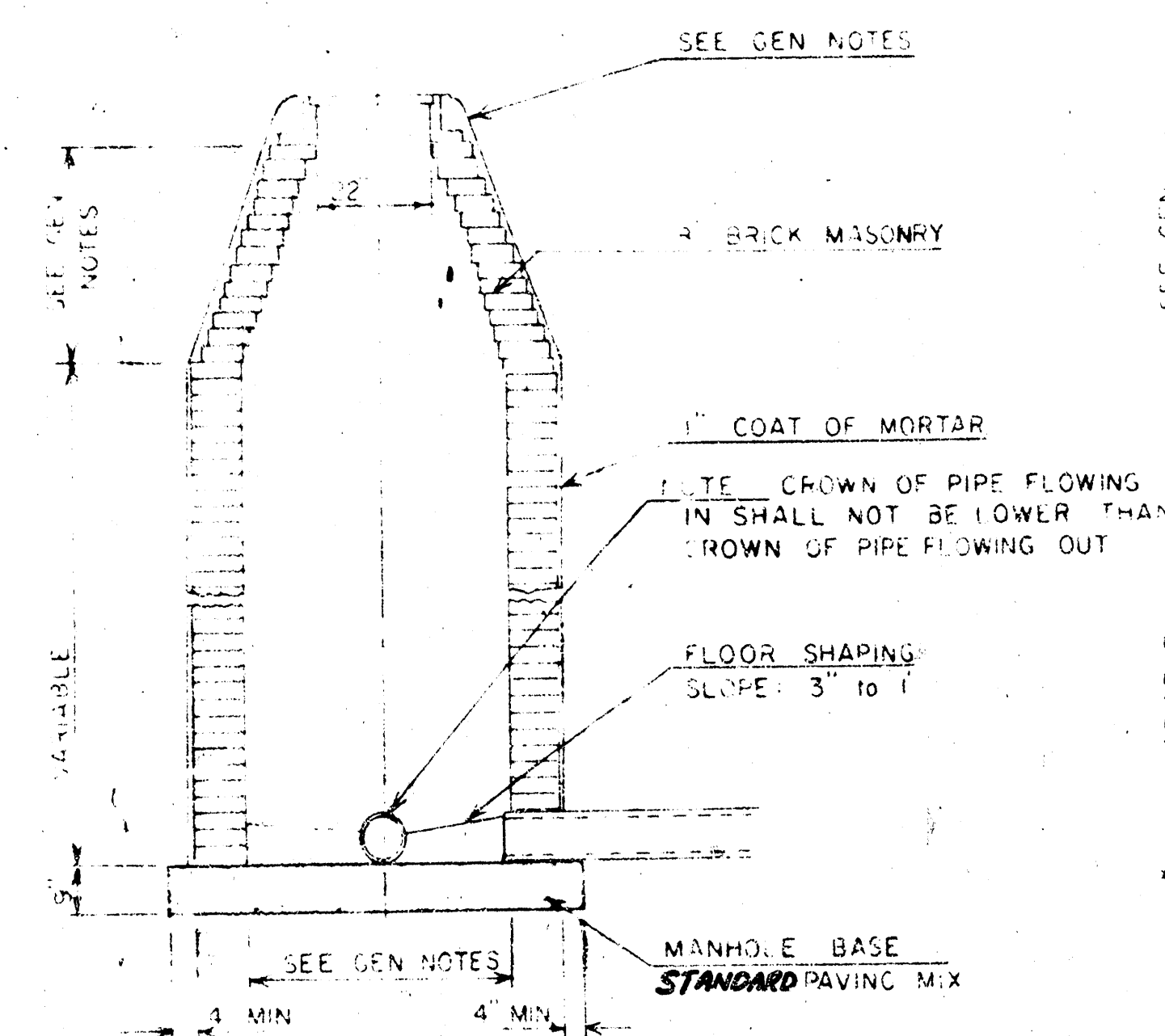
MANHOLE COVER
STANDARD



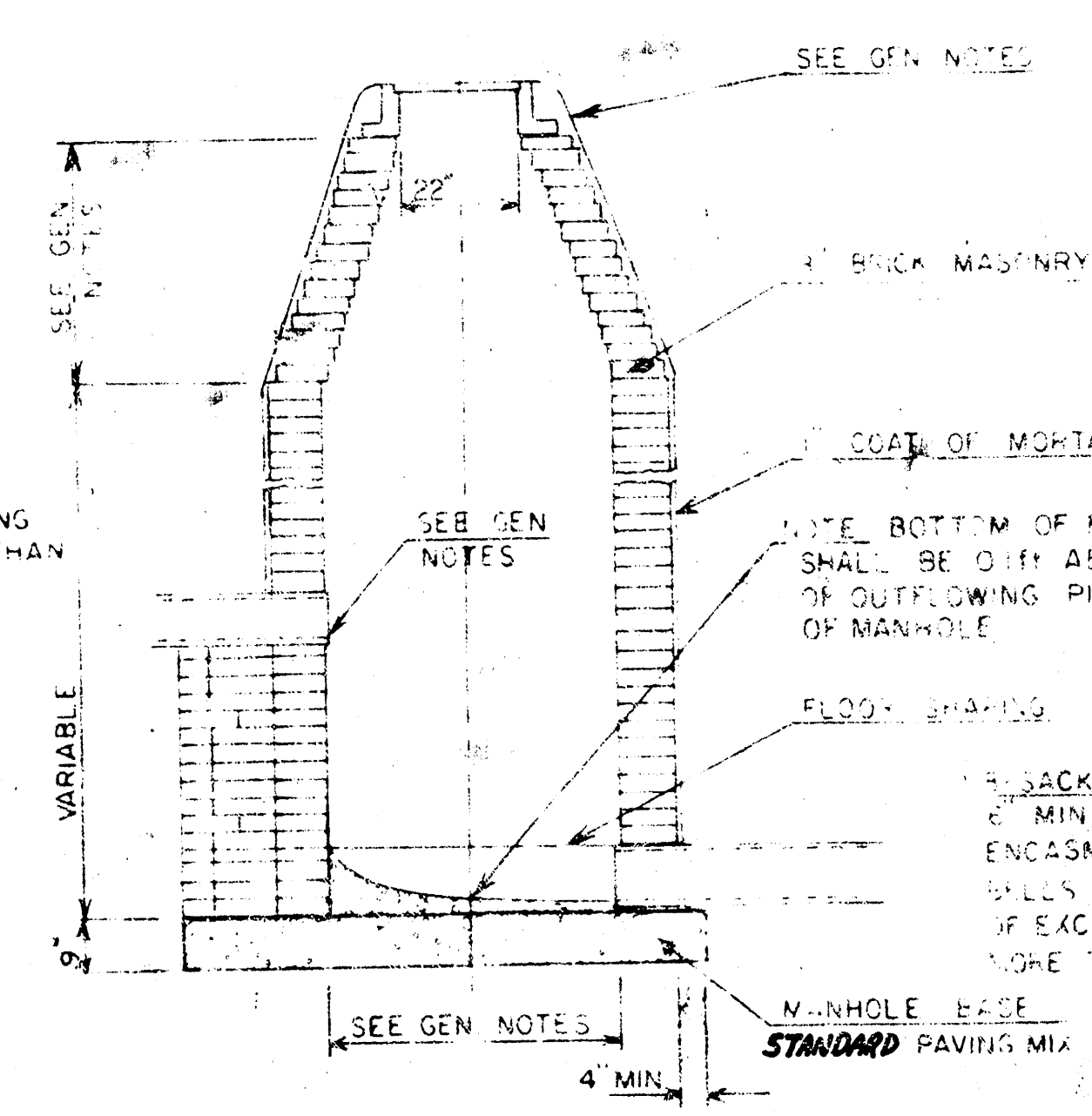
MANHOLE RING NO. 5004 WT. 325 LBS.
MANHOLE RING NO. 5004S WT. 800 LBS.

MANHOLE RING

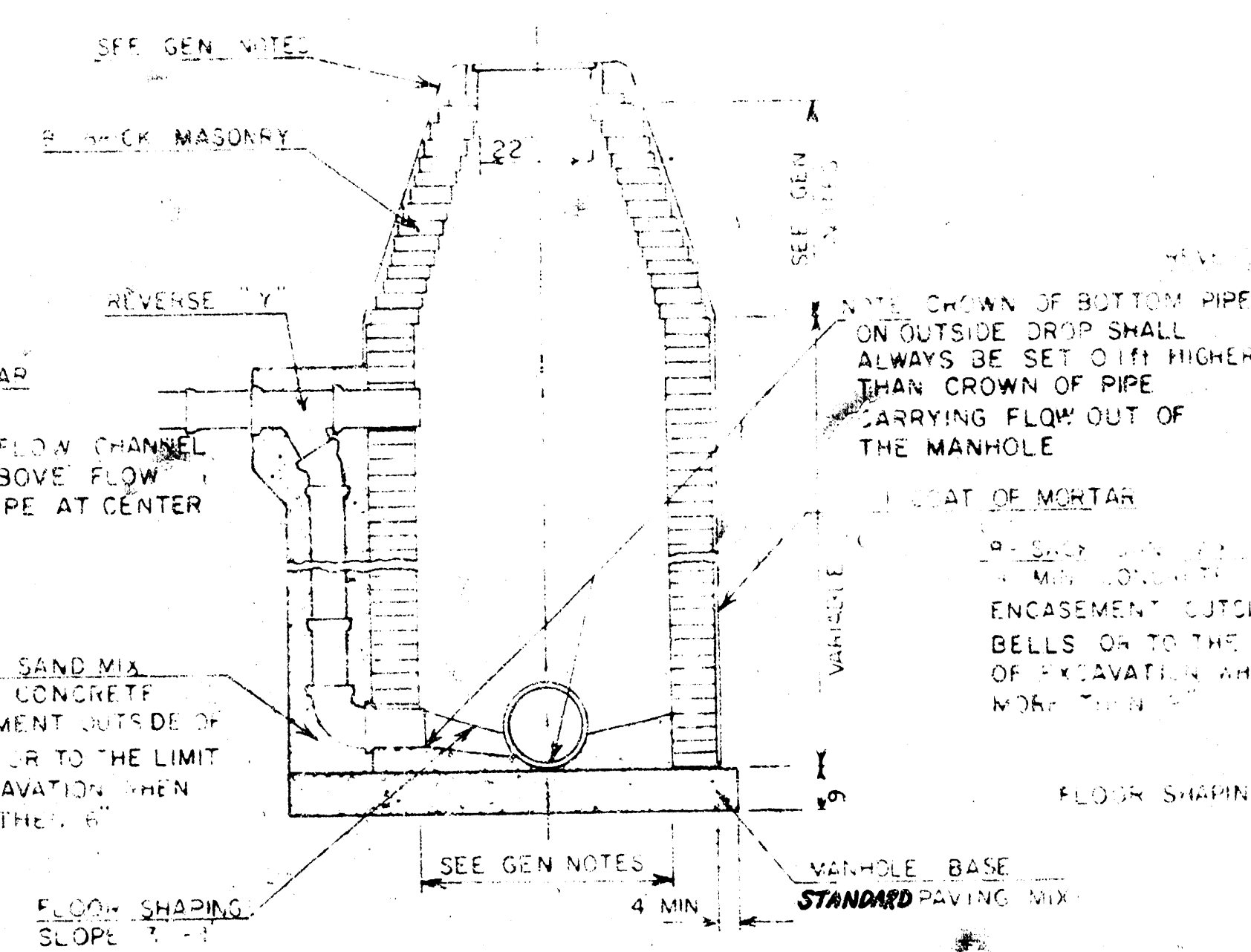
TYPE "A" MANHOLE



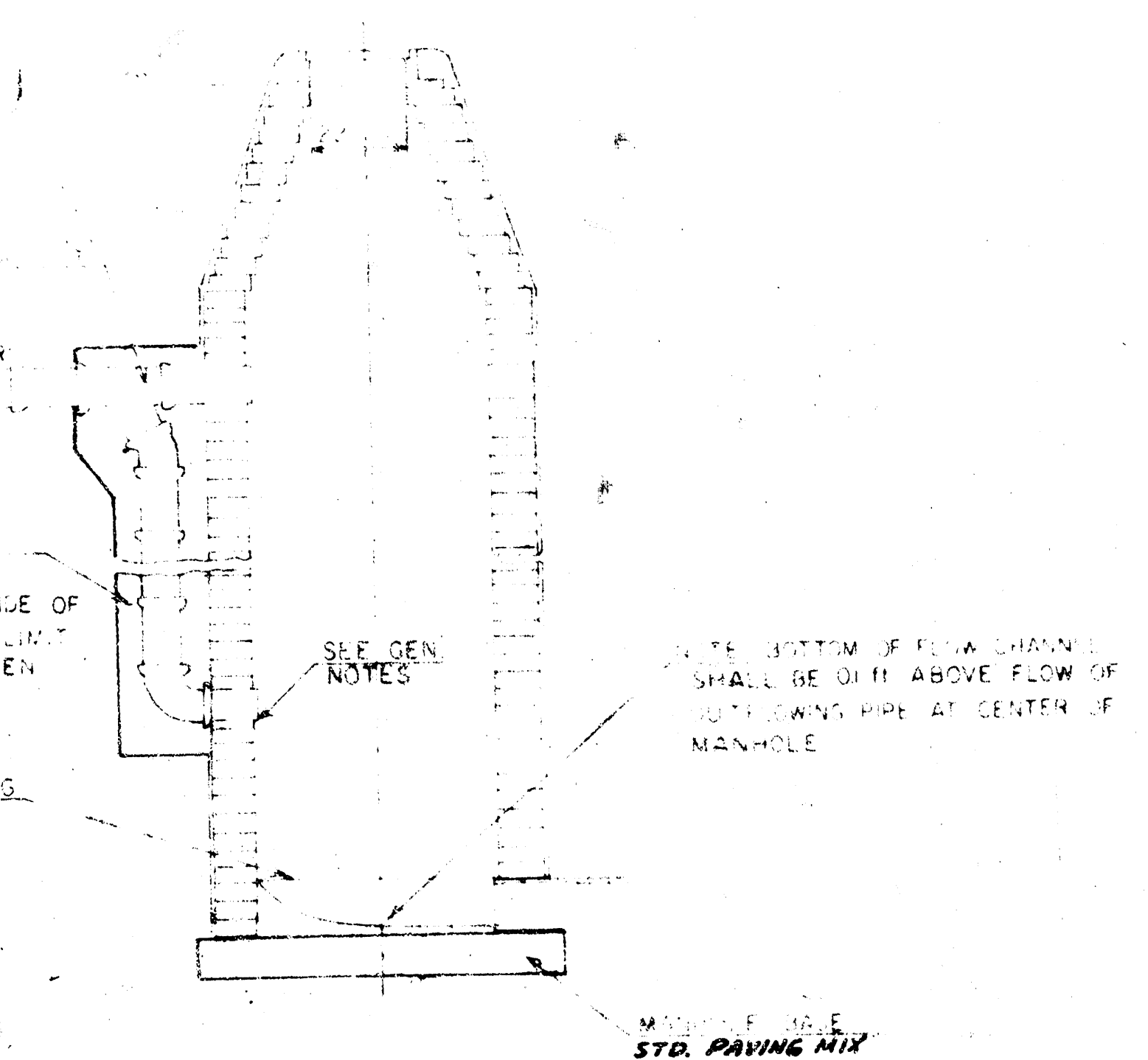
TYPE "A" INSIDE DROP MANHOLE



TYPE "A" OUTSIDE DROP MANHOLE



DETAIL OF OUTSIDE DROP
CONSTRUCTED ON EXISTING MANHOLE



1. MANHOLE USED IN WASTEWATER COLLECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DETAILS. THE MANHOLE SHALL BE CONSTRUCTED OF BRICK MASONRY OR CONCRETE. THE MANHOLE SHALL BE CONSTRUCTED TO A DEPTH OF 4' MIN. BELOW THE FINISHED GRADE. THE MANHOLE SHALL BE CONSTRUCTED TO A DEPTH OF 4' MIN. BELOW THE FINISHED GRADE. THE MANHOLE SHALL BE CONSTRUCTED TO A DEPTH OF 4' MIN. BELOW THE FINISHED GRADE.
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