

DRAINAGE IN CONNECTION WITH PAVING MEAD AVENUE ,

FROM SOUTH LINE OF 30TH STREET NORTH TO A LINE 1220 FT. SOUTH OF SOUTH LINE OF 33RD STREET NORTH.

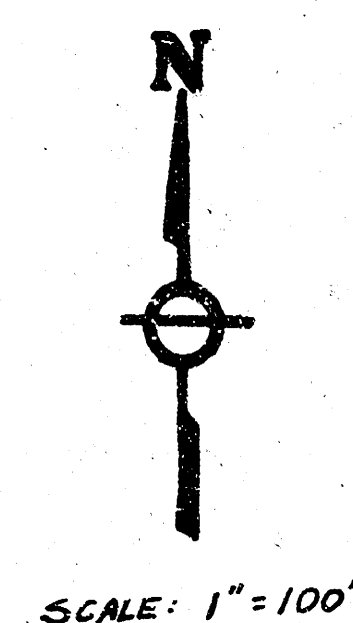
COLEMAN COMPANY ADDITION.

CITY OF WICHITA

PROJECT NO. 472 76 245 80947 000 000 002 .

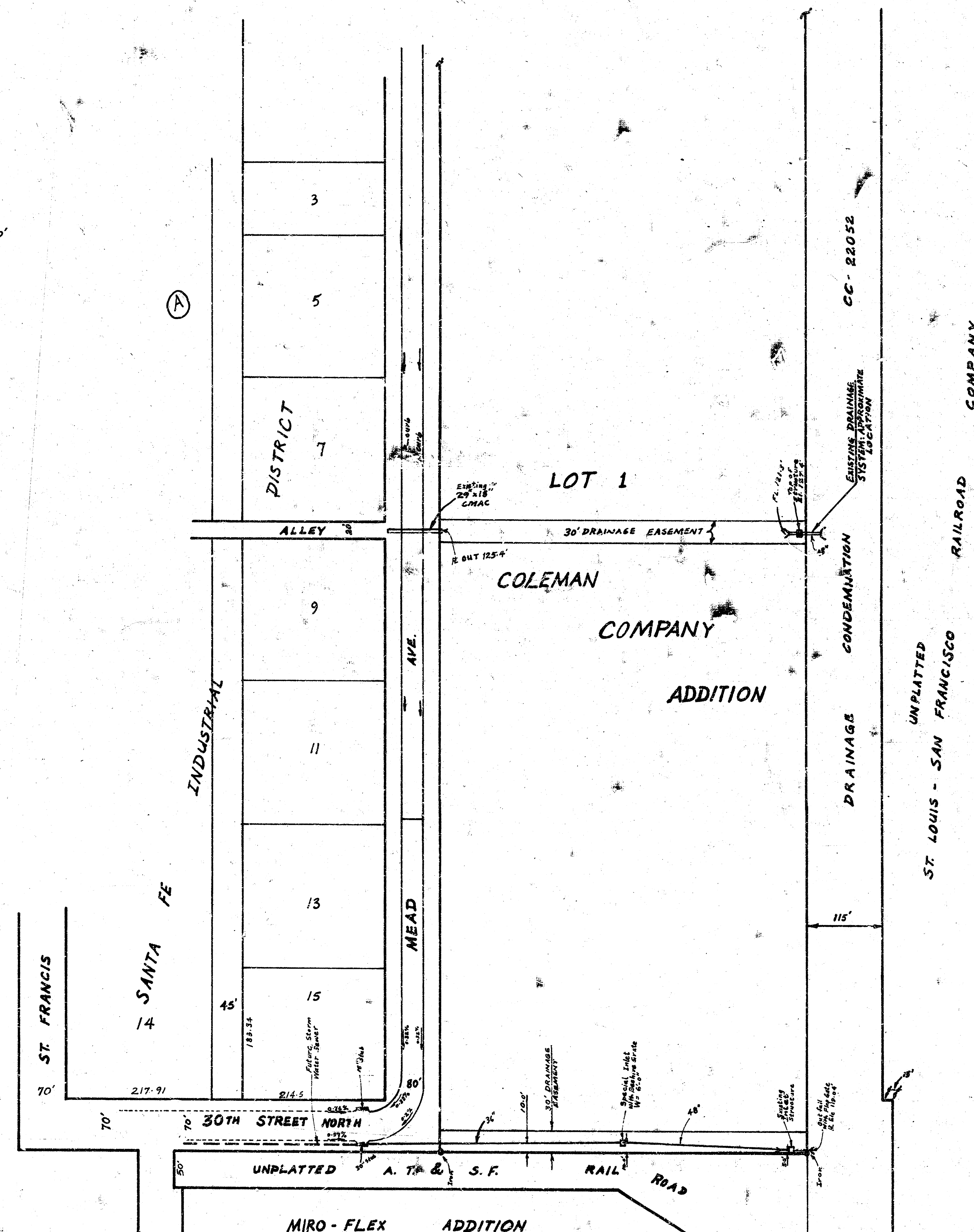
R.W. BRUGGEMAN, CITY ENGINEER.

DATE :



LEGEND

- PROPERTY LINE
- STORM WATER SEWER
- FLOW DIRECTION & GRADE IN STREET GUTTER



GENERAL NOTES

1. FIELD ENGINEER SHALL TAKE TIPS TO ALL TREES AND THINGS WHICH MAY BE DESTROYED.
2. ALL CONCRETE, UNLESS OTHERWISE NOTED, SHALL BE "6-SACK CONCRETE".
3. FIELD ENGINEER SHALL INSPECT THE CONDITION OF RIPRAP DOWNSTREAM FROM THE EXISTING OUTFALL STRUCTURE BETWEEN STATION NO. 0+30 AND STATION NO. 0+50. IF THE CONDITION IS POOR, THE EXISTING RIPRAP SHALL BE REMOVED WITH ADDITIONAL TYPE 4 RIPRAP AS DIRECTED BY THE FIELD ENGINEER. TYPE 4 RIPRAP IS SPECIFIED IN THE SANITARY AND STORM WATER SEWER BOOKLET.
4. CONTRACTOR SHALL COORDINATE WORK WITH PAVING, SANITARY SEWER AND OTHER UTILITY CONTRACTORS.
5. THE PLANS ARE DRAWN WITH SUFFICIENT INFORMATION ABOUT THE LOCATION OF THE CURB INLETS; HOWEVER, PAVING PLANS OF MEAD AVENUE (IF READY AT THE TIME OF CONSTRUCTING THE PROJECT) MAY BE REFERRED TO FOR THE CURB INLET LOCATIONS.
6. THE FIELD ENGINEER SHALL CAREFULLY INSPECT THE CONSTRUCTION OF THE SHALE BETWEEN STATION NO. 0+30 AND STATION NO. 6+00. THE SHALE SHOULD BE SUFFICIENTLY DEEP SO IT WILL NOT SETTLE AND FILL IN A SHORT PERIOD OF TIME. CAREFUL INSPECTION SHALL BE MADE TO ENSURE THAT PROPER SEEDING OF THIS SHALE IS PERFORMED.
7. A PRIVATE STORM WATER SEWER CONNECTION IS TO BE MADE AT THE INLET AT STATION 2+52. FIELD ENGINEER SHALL ENSURE PROPER CONNECTION OF THIS PRIVATE STORM SEWER SERVING THE NEW COLEMAN COMPANY BUILDING.

INDEX

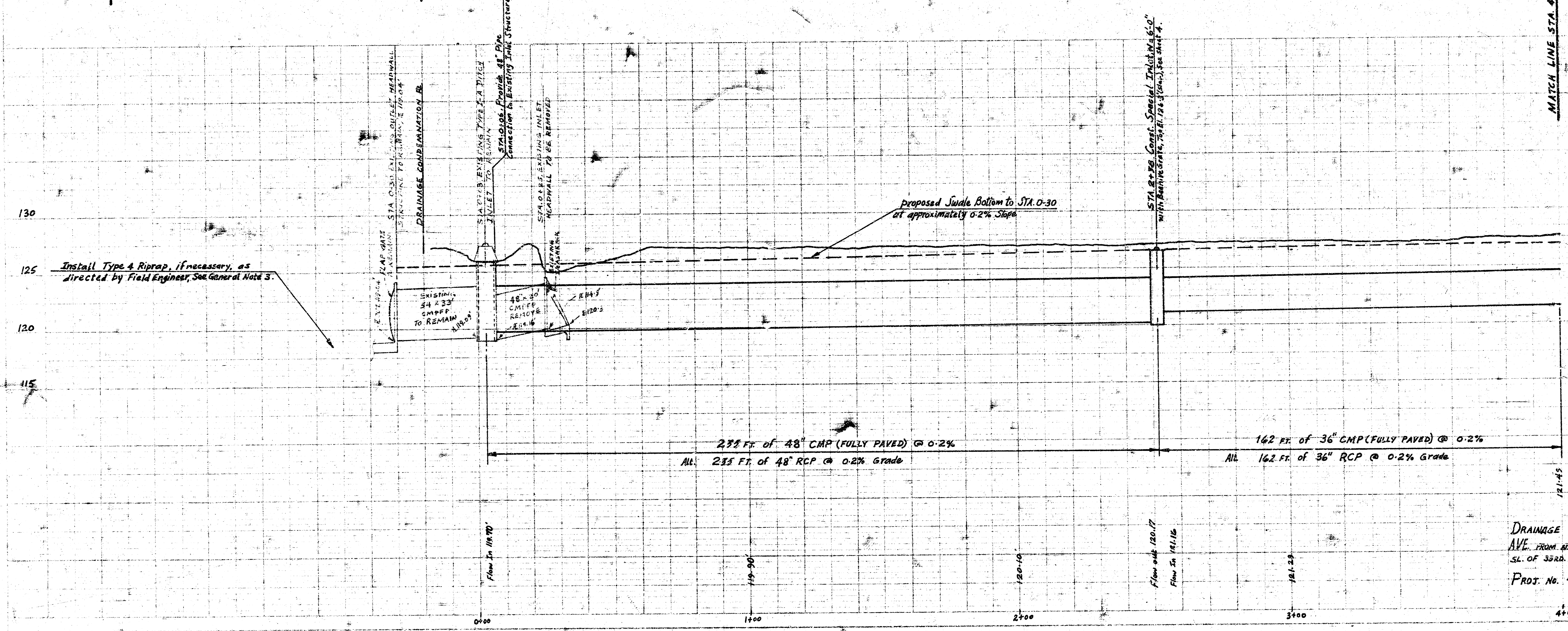
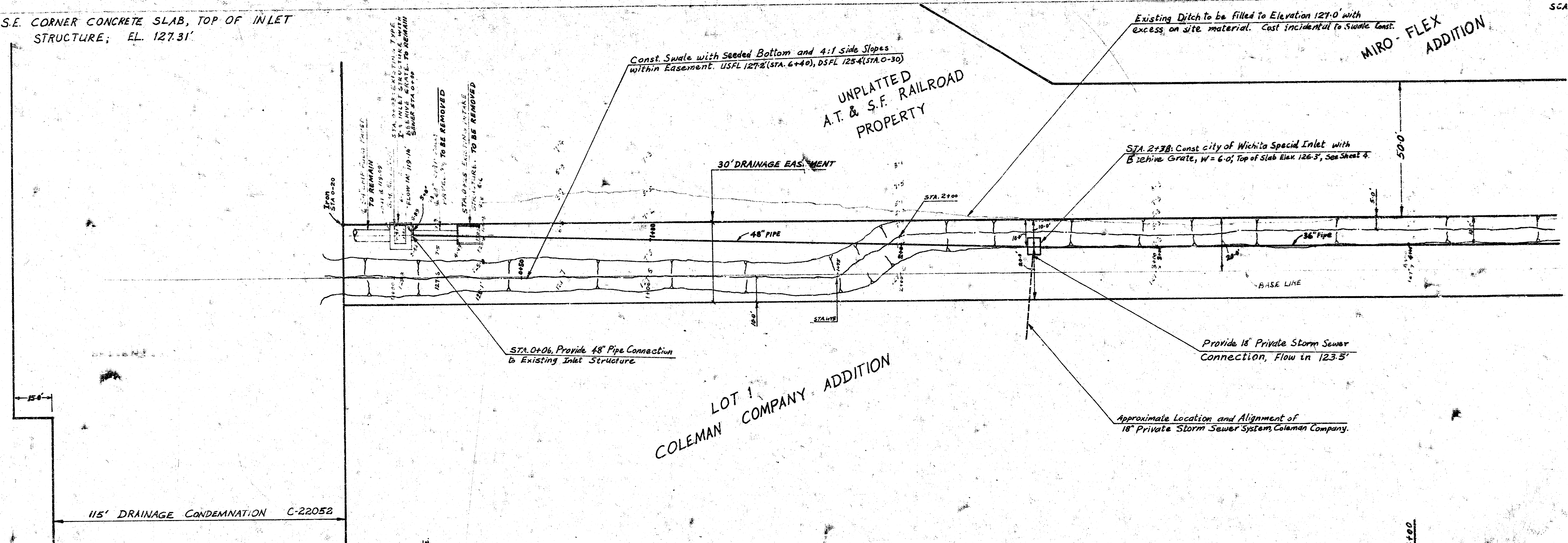
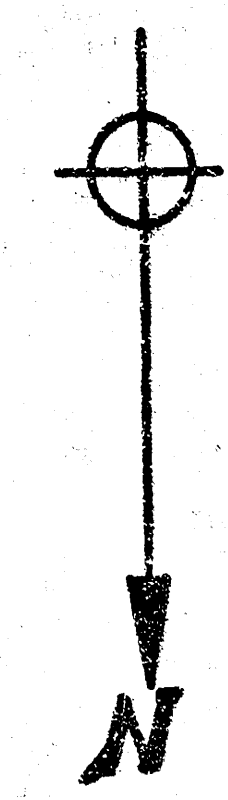
- SHEET 1. COVER SHEET.
2&3. PLAN AND PROFILE, STORM SEWER.
4. SPECIAL INLET WITH BEEHIVE GRATE DETAIL.
5. CITY OF WICHITA STD. TYPE 1A CURB INLET DETAIL.



PLAN SHEET
K. WHITCOMB
X. D. DESAI
K.W.3

B.M. S.E. CORNER CONCRETE SLAB, TOP OF INLET
STRUCTURE; EL. 127.31'

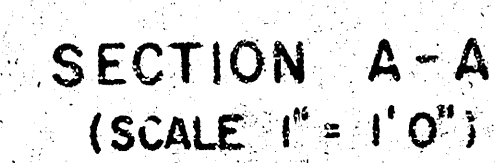
SCALE: HOR. 1" = 20'
VERT. 1" = 5'



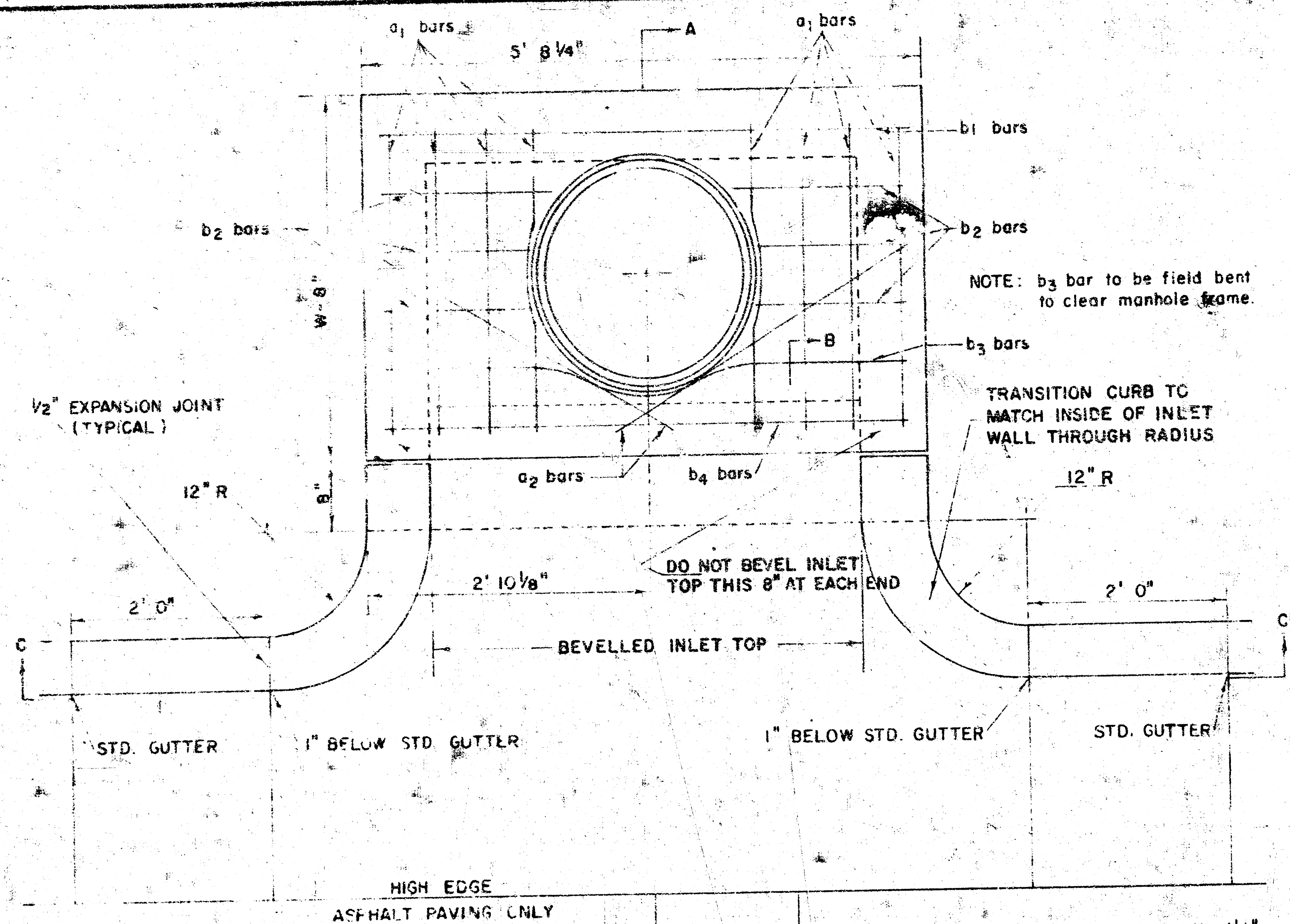
SHEET No. 2/5

DRAINAGE IN CONNECTION WITH PAVING MEAD
AVE. FROM AL. OF 30TH ST. NORTH TO A LINE 1220' S. OF
SL. OF 33RD ST. N.
PROJ. No. 472-76-245-80947-000-000-002.

PLATE 1 PLAN AND PROFILE OF DRAINAGE SYSTEM
K.W.3



DETAILS OF
SPECIAL INLET WITH BEEHIVE GRATE
CITY OF WICHITA, KANSAS
DRAINAGE IN CONNECTION WITH PAVING MEAD AVENUE FROM
SOUTH LINE OF 30TH STREET NORTH TO A LINE 185.0 FT. SOUTH OF SOUTH LINE OF 35TH STREET
PROJECT NO. 472 76 245 80947 000 000 002 4/5



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*

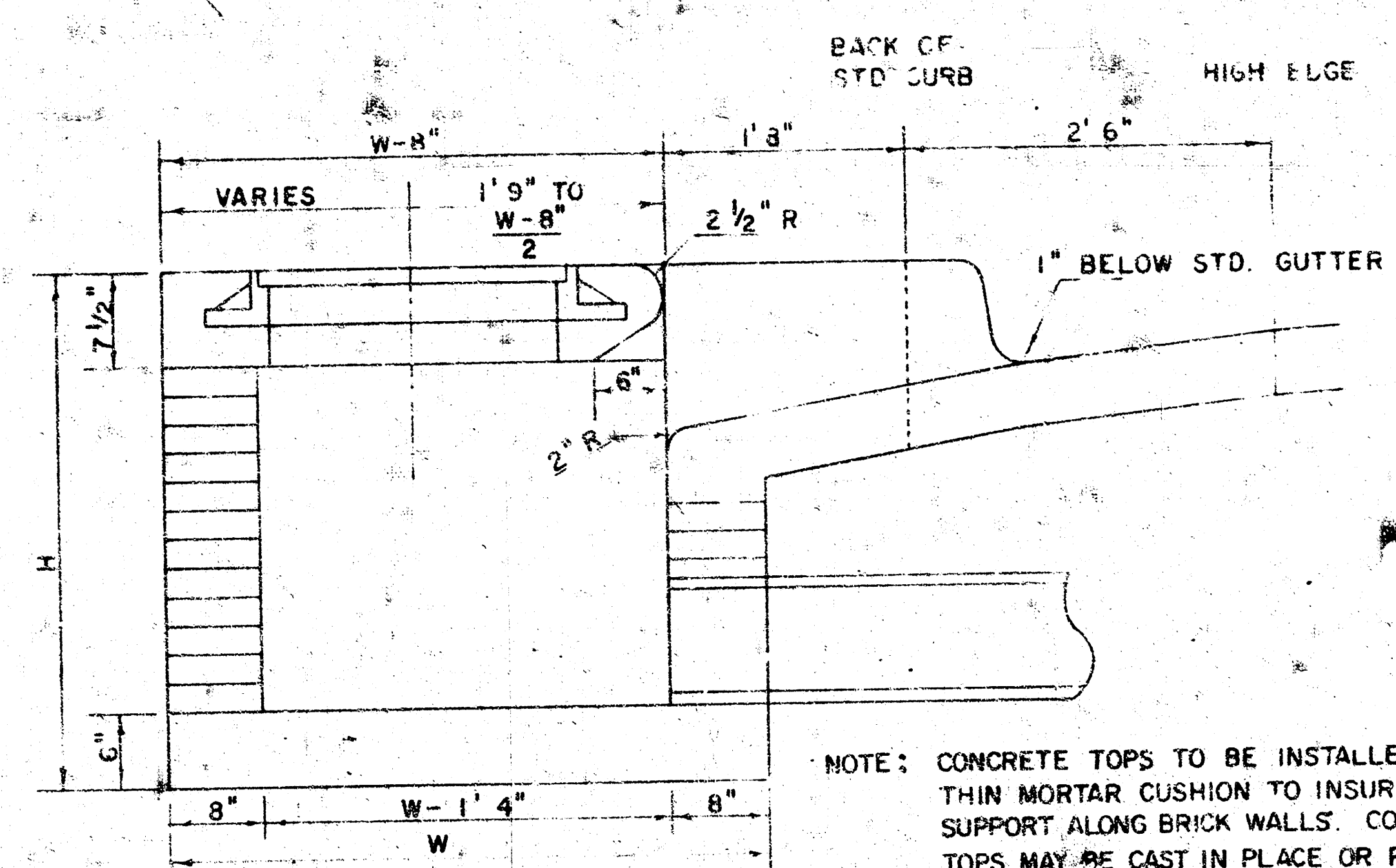
* NOTE: a₂ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

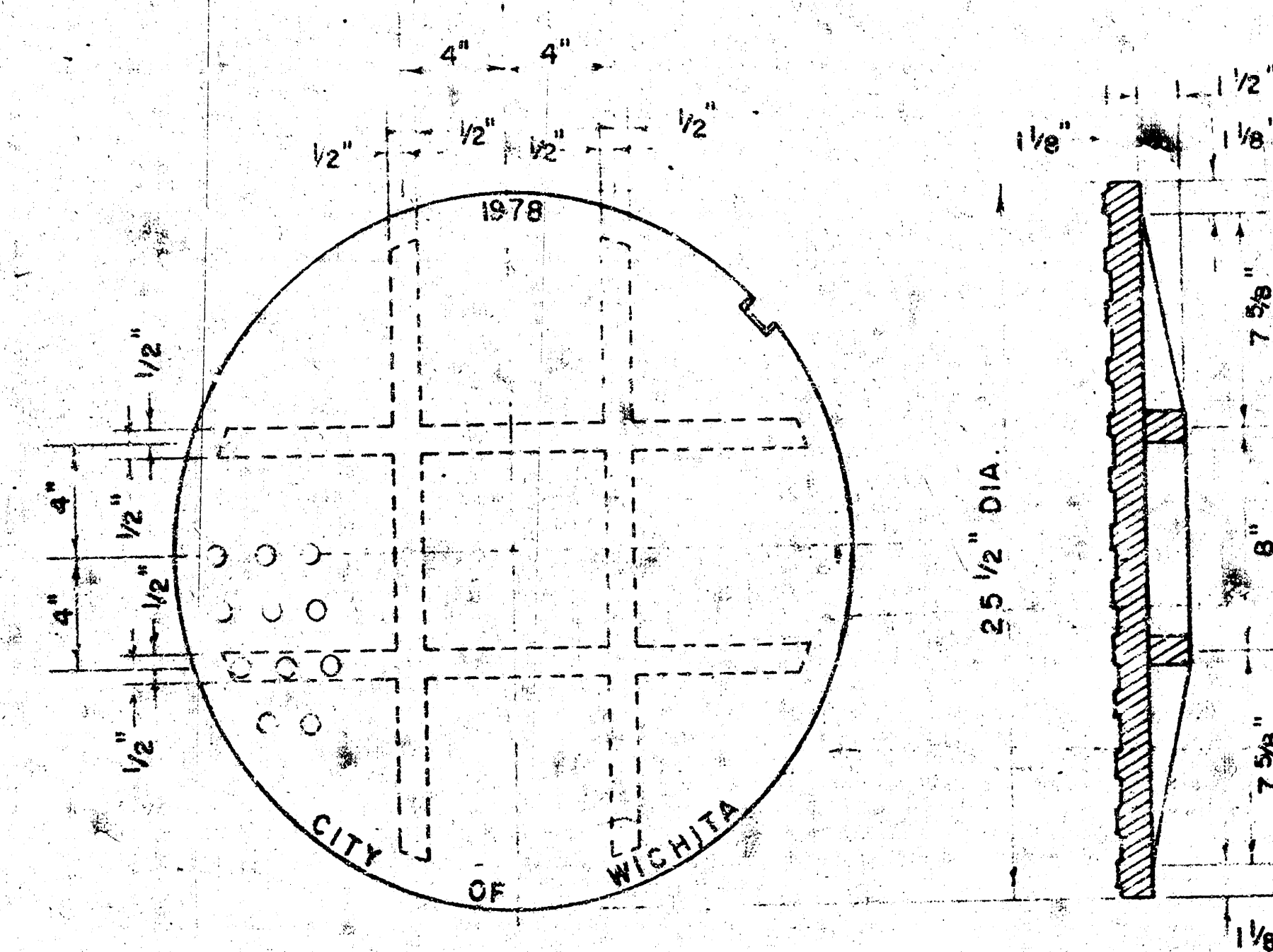
STANDARD CURB INLET PRECAST TOPS

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"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

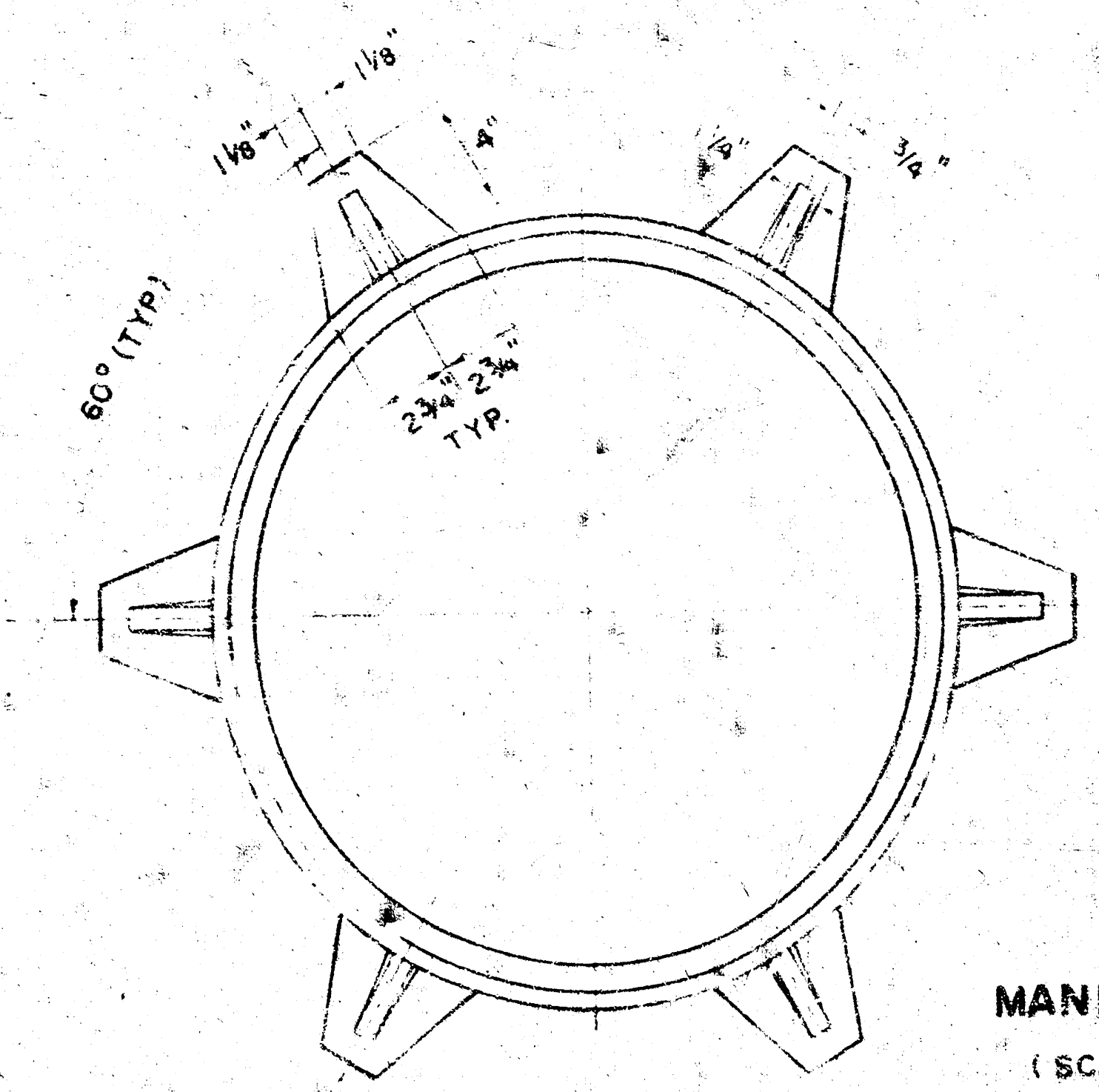
* GROSS VOLUME



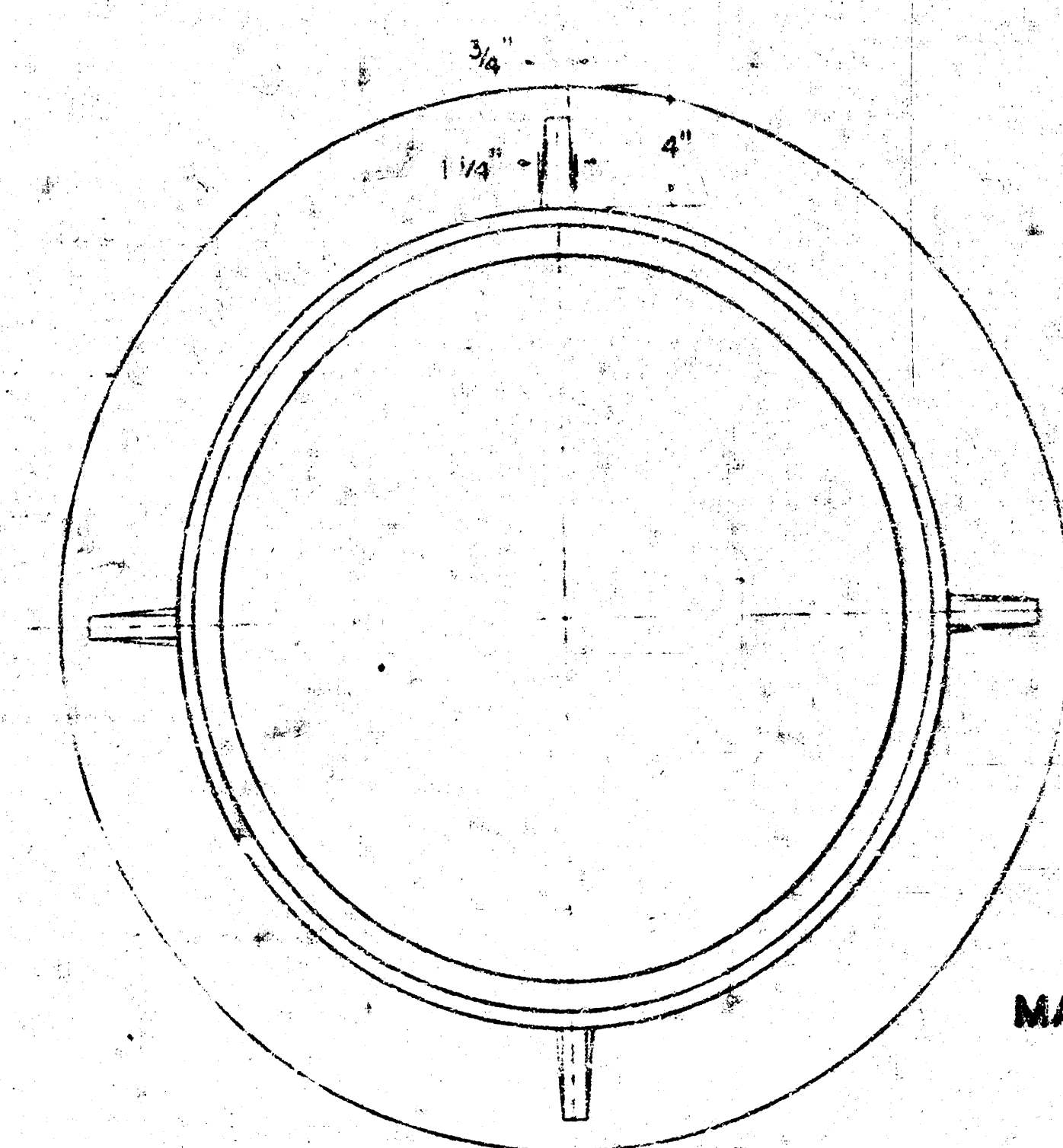
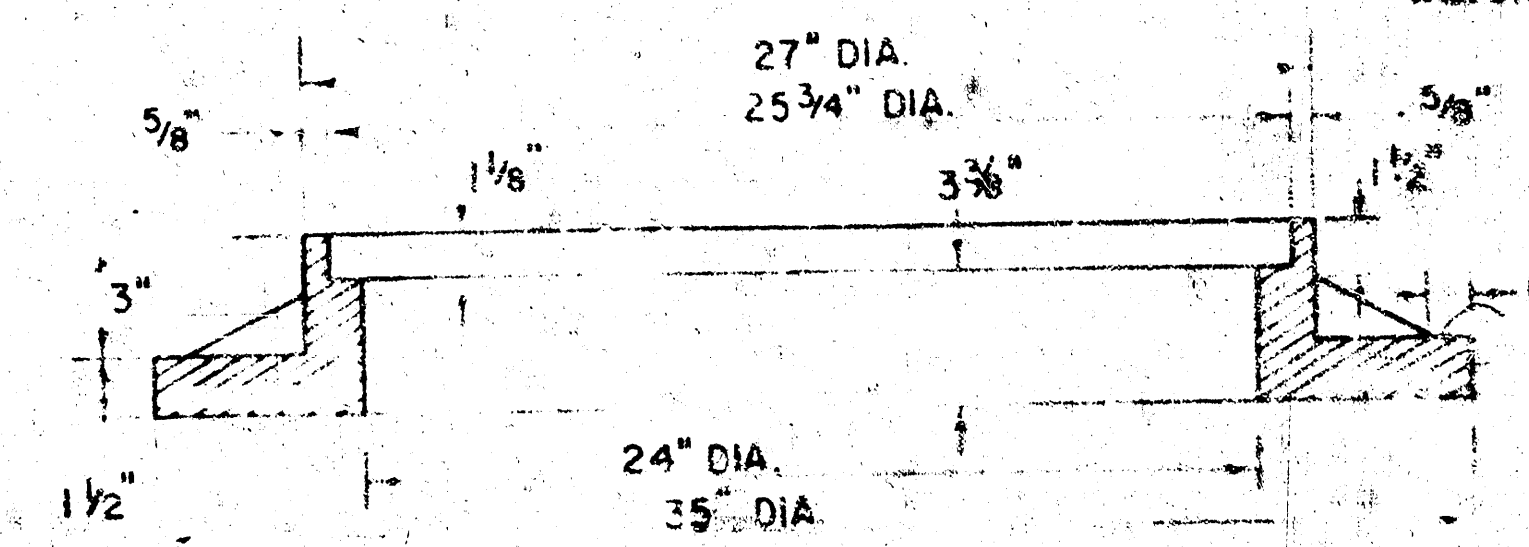
SECTION A-A (SCALE 1" = 1' 0")



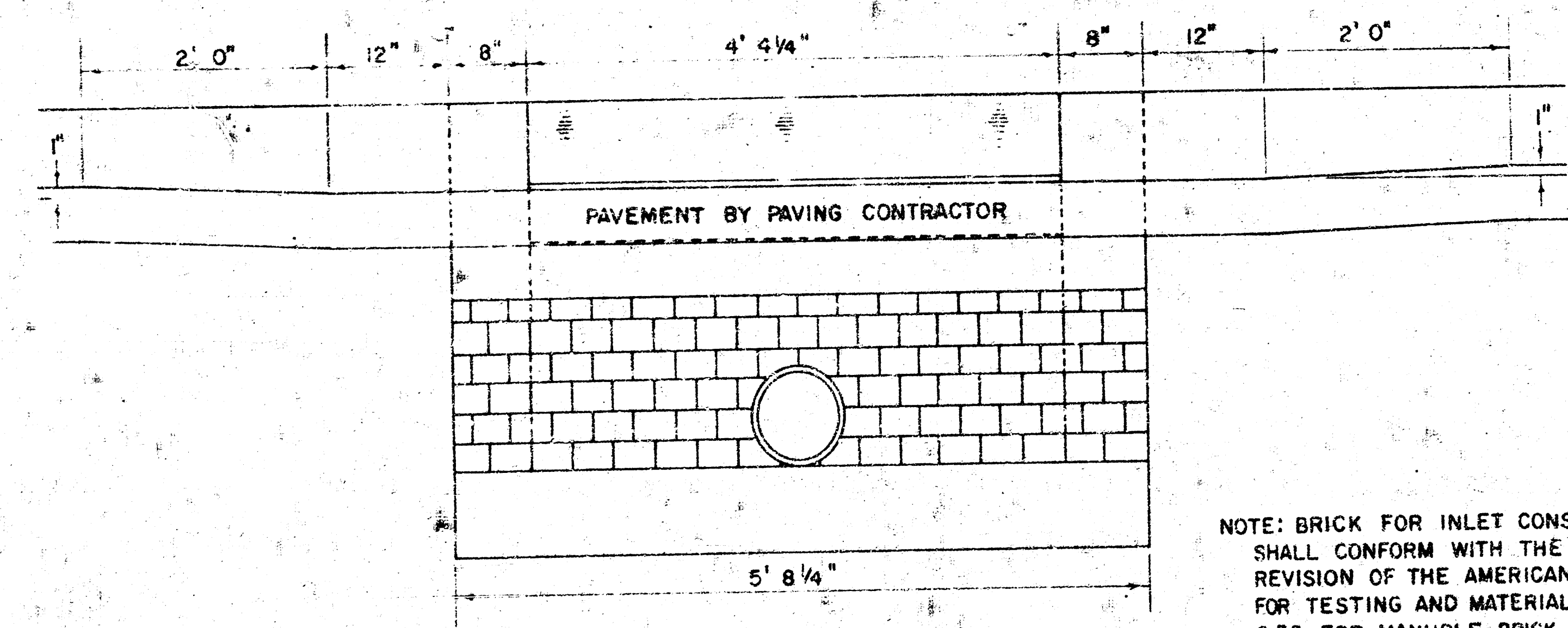
MANHOLE COVER (SCALE 1" = 6")
WEIGHT = 170 LBS.



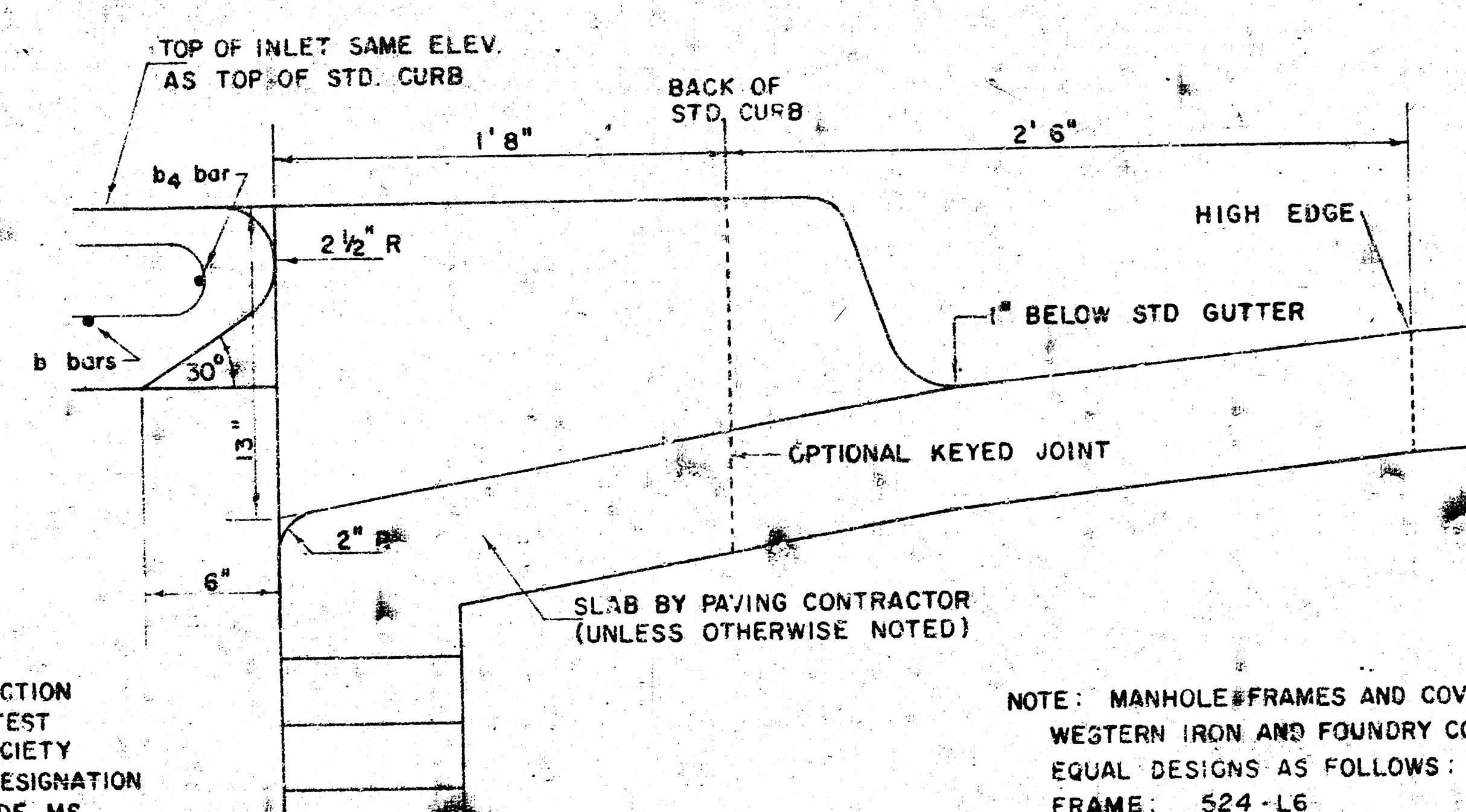
MANHOLE FRAME (SCALE 1" = 6")
WEIGHT = 180 LBS.



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



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



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

NOTE: 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. LINN - CITY ENGINEER
OCTOBER 1978