

# 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.

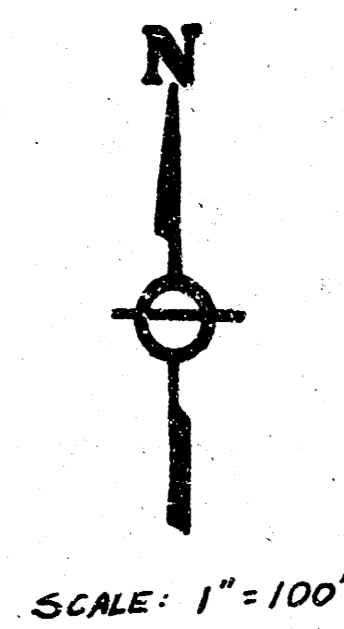
COLEMAN COMPANY ADDITION.

CITY OF WICHITA

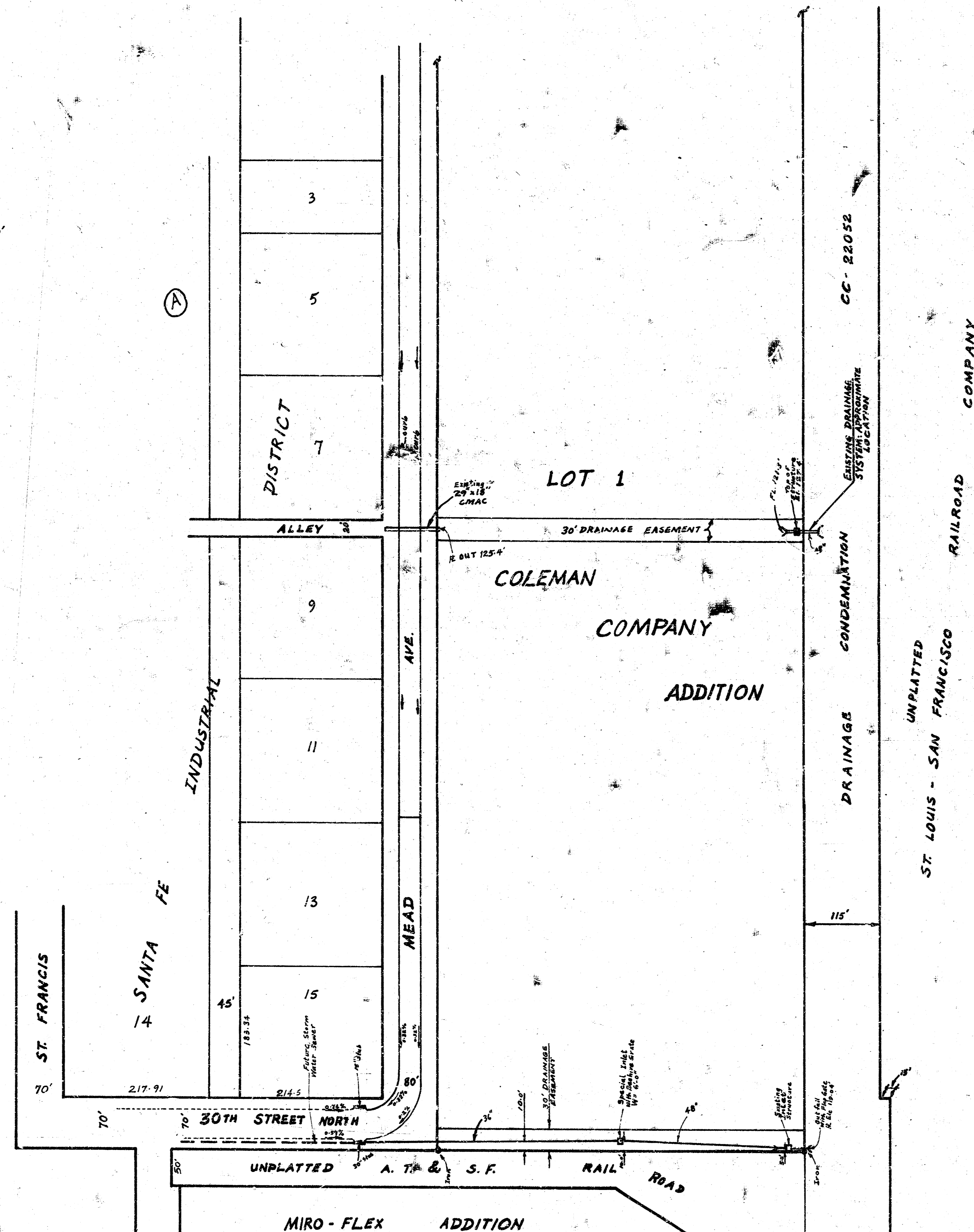
PROJECT NO. 472 76 245 80947 000 000 002.

R. W. BRUGGEMAN, CITY ENGINEER.

DATE :



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

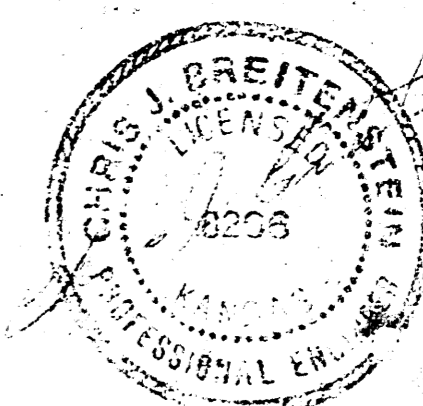


**GENERAL NOTES**

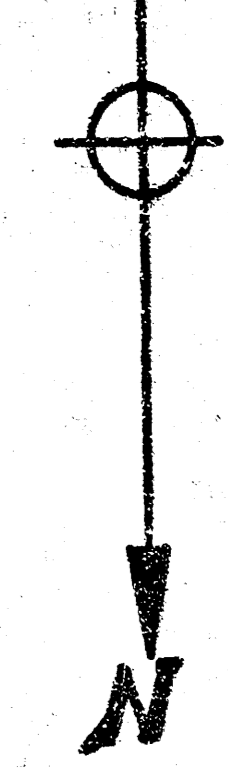
1. FIELD ENGINEER SHALL TAKE TIPS TO ALL IRONS AND TRINGLES WHICH MAY BE DESTROYED.
2. ALL CONCRETE, UNLESS OTHERWISE NOTED, SHALL BE "6-SACK CONCRETE".
3. FIELD ENGINEER SHALL INSPECT THE CONDITION OF RIPRAP DOWNSTREAM FROM THE EXISTING OUTFALL STRUCTURE BETWEEN STATION NO. 0-30 AND STATION NO. 0-50. 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 CONDITION OF THE SHALE BETWEEN STATION NO. 0-30 AND STATION NO. 6+00. THE SHALE SHOULD BE SUFFICIENTLY DEEP SO IT WILL NOT SALT UP 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 2A CURB INLET DETAIL.



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

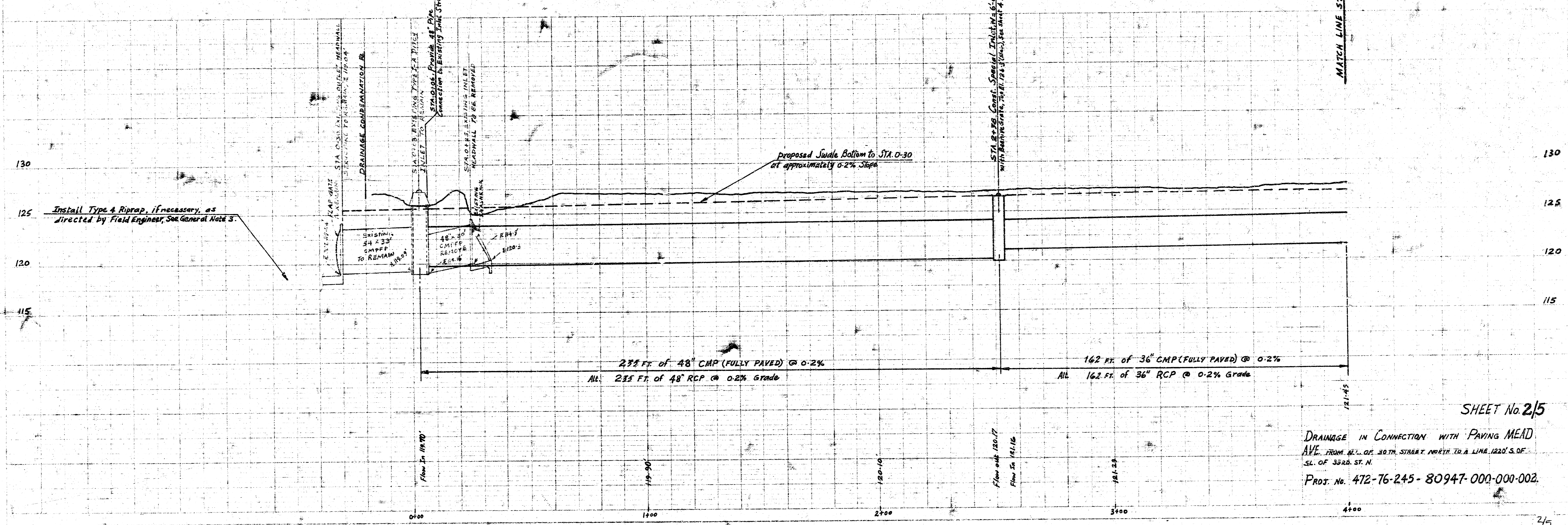
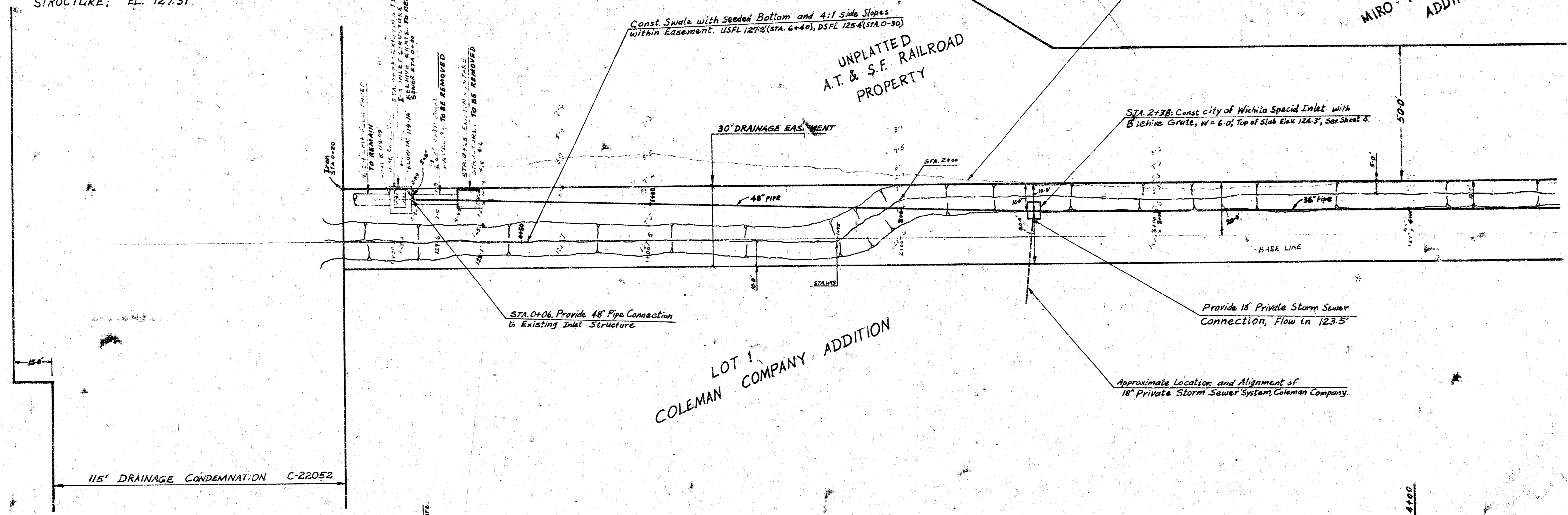


B.M. S.E. CORNER CONCRETE SLAB, TOP OF INLET  
STRUCTURE; EL. 127.31'

MIRO - FLEX  
ADDITION

UNPLATTED  
A.T. & S.F. RAILROAD  
PROPERTY

LOT 1  
COLEMAN COMPANY  
ADDITION



SHEET No. 2/5

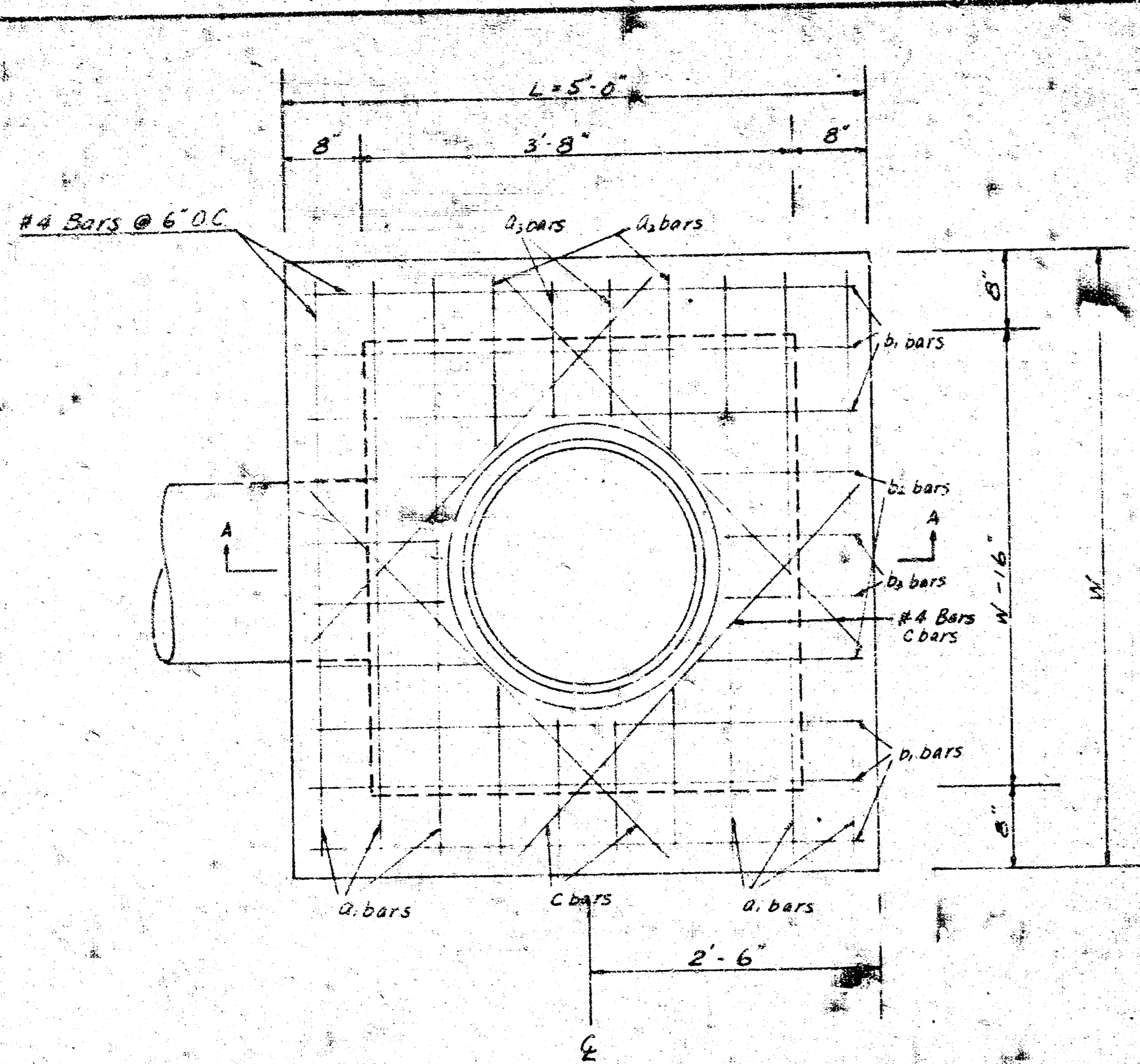
DRAINAGE IN CONNECTION WITH PAVING MEAD  
AVE. FROM N.E. OF 30TH ST. TO A LINE 1220' S. OF  
S.E. OF 33RD ST. N.  
PROJ. No. 472-76-245-80947-000-000-002.

DATE: JUL 26  
BY: K. WHITCOMB  
X. S. DESAI  
K.W.3

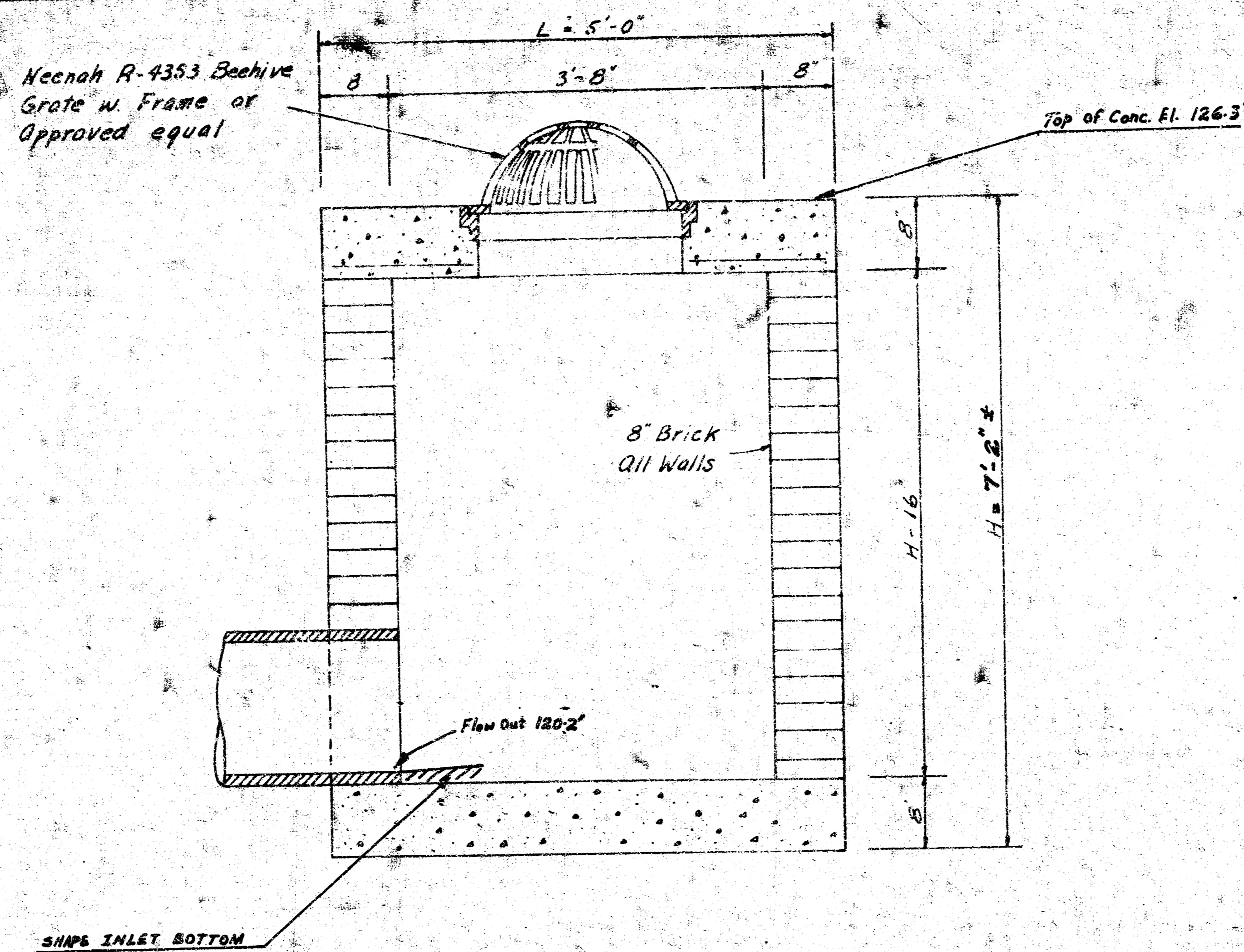
DATE: JUL 26  
BY: K. WHITCOMB  
X. S. DESAI  
K.W.3

PLATE 1 PLAN AND PROFILE OF THE DRAINAGE SYSTEM  
FOR THE PAVING MEAD AVENUE PROJECT IN THE  
CITY OF WICHITA, KANSAS





PLAN  
(SCALE 1" = 1'0")

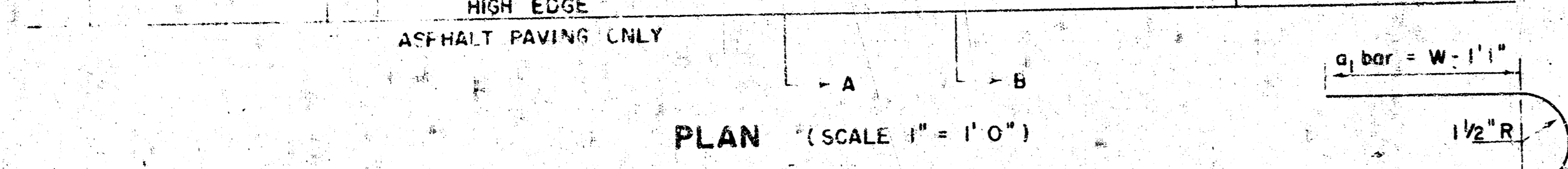
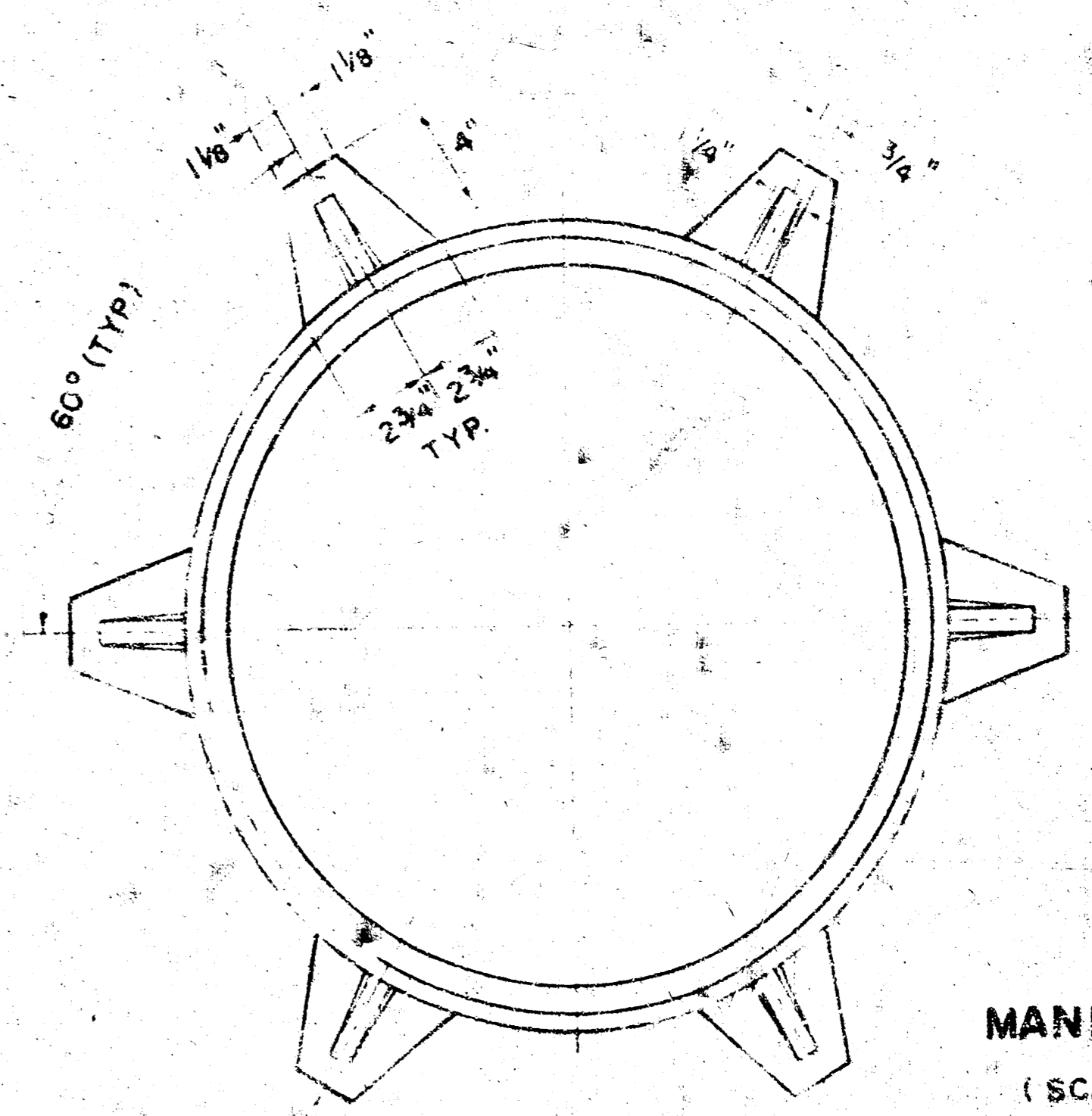
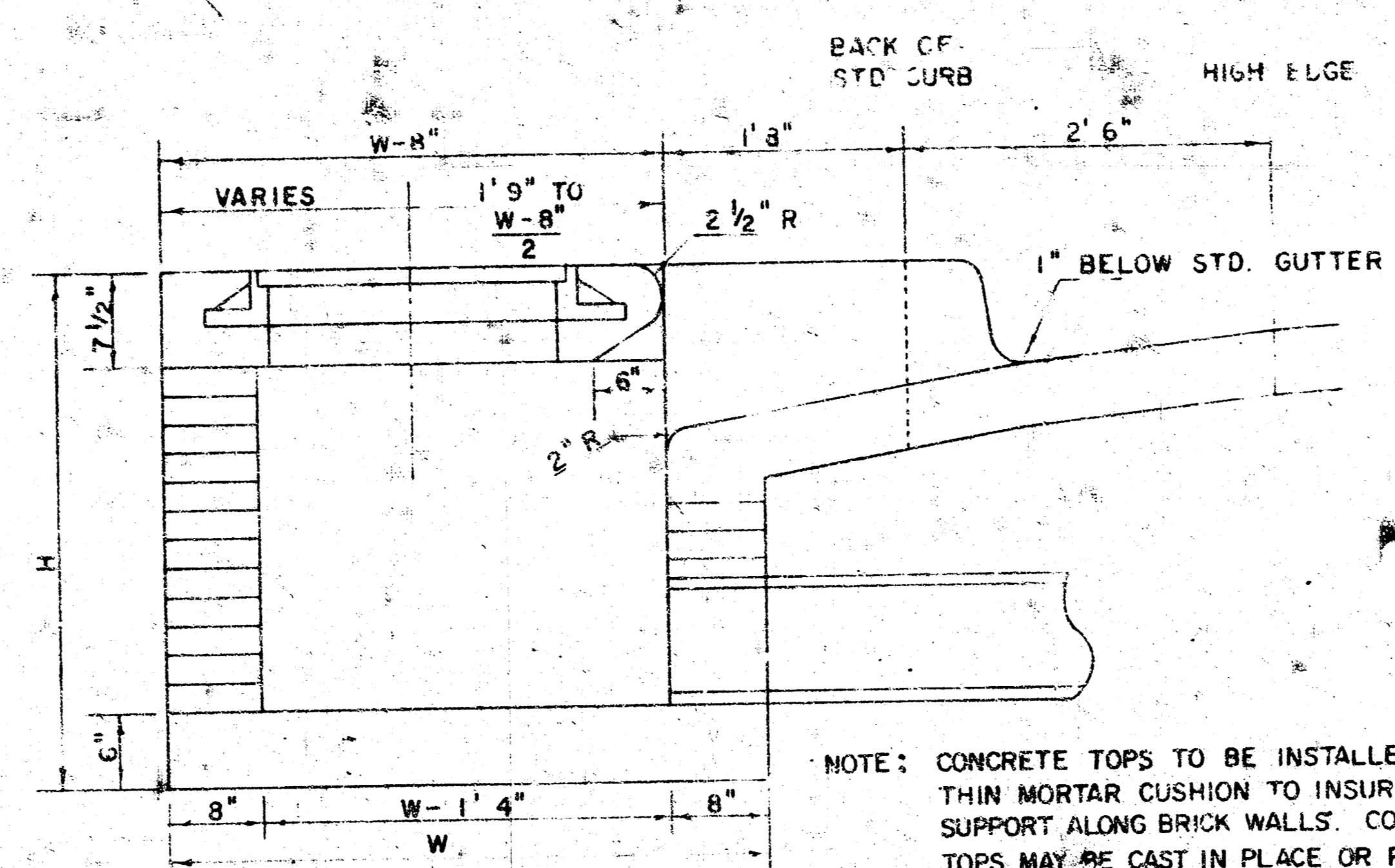
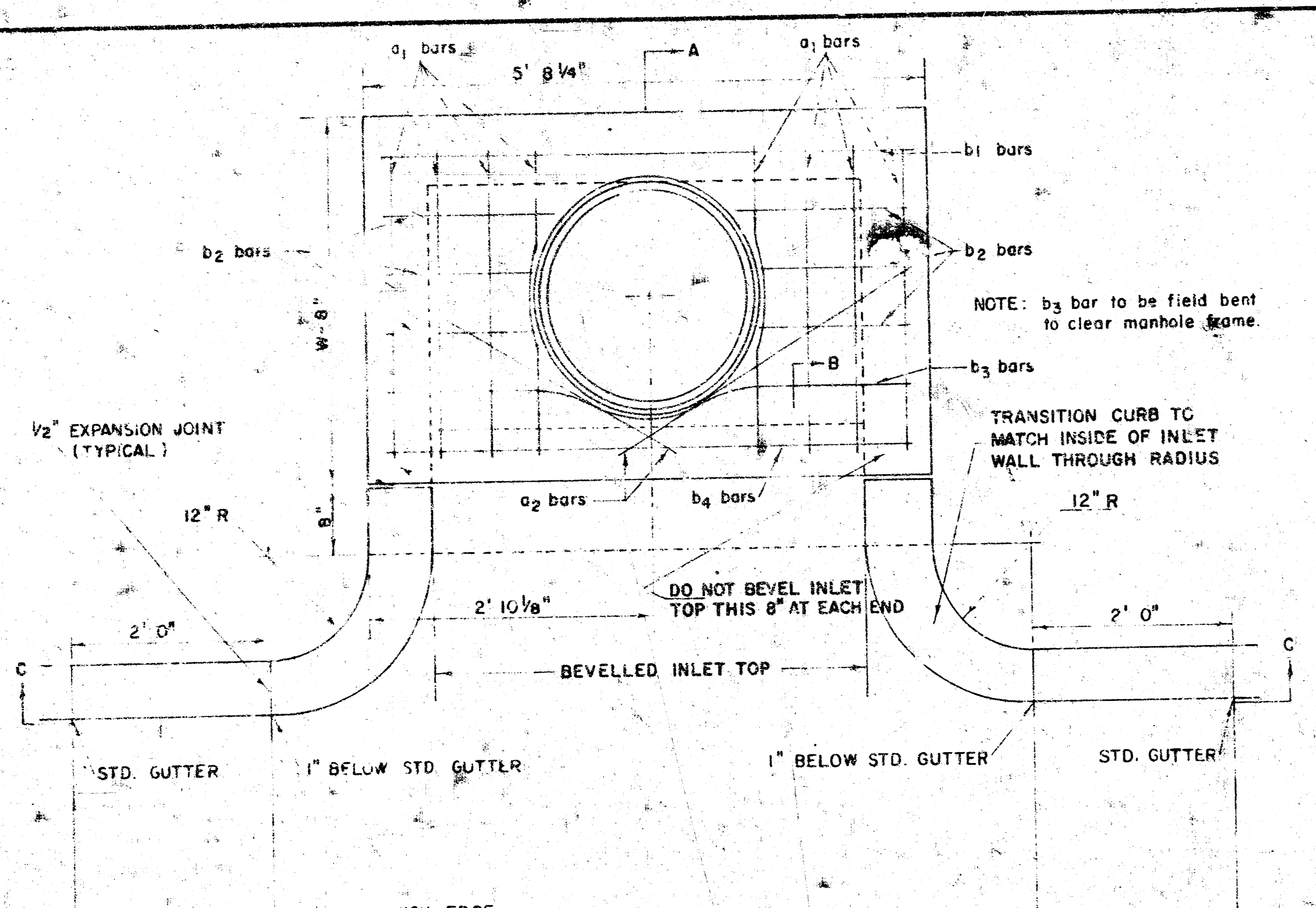


SECTION A-A  
(SCALE 1" = 1'0")

STEEL SCHEDULE

BAR	a <sub>1</sub>	a <sub>2</sub>	a <sub>3</sub>	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	C	WT. LBS	PIPE SIZE	Cu. Yd. Conc.
NUMBER	6	4	4	6	8	4	4			
SIZE	#4	#4	#4	#4	#4	#4	#4			
LENGTH	5'-0"	5'-8"	2'-0"	1'-7"	4'-8"	1'-6"	1'-1"	62	24"	1.17
	6'-0"	5'-8"	2'-0"	1'-7"	4'-8"	1'-6"	1'-1"	77	36", 42", 48"	1.41

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 120' OFF SOUTH OF SOUTH LINE OF 35th STREET N.  
 PROJECT NO. 472 76 245 80947 000 000 002 **4/5**



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

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.

MANHOLE FRAME  
(SCALE 1" = 6")  
WEIGHT = 160 LBS.

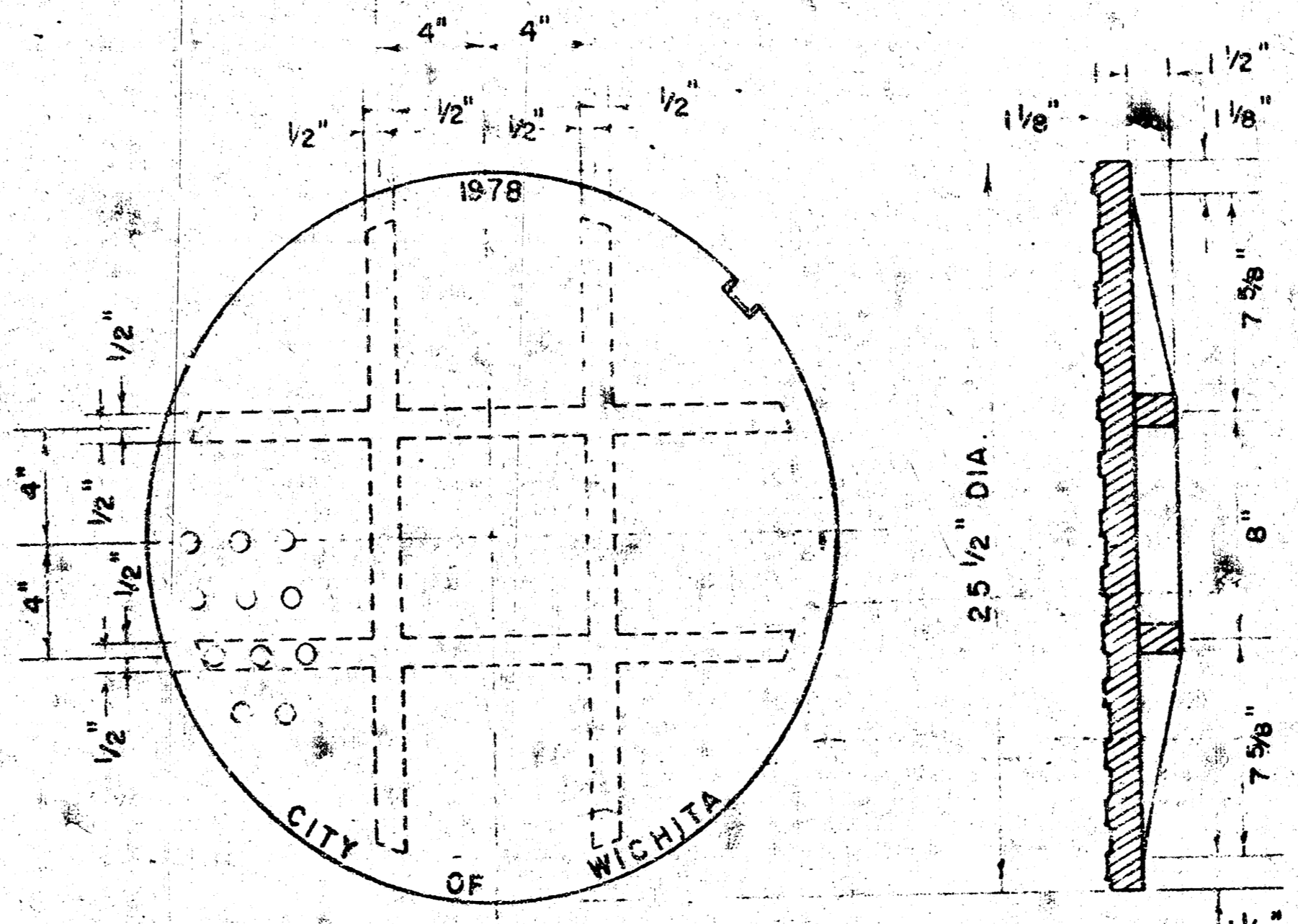
STEEL SCHEDULE

BAR NUMBER	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	WT. LBS.
8	2	1	3	5	7	9	6
SIZE	"4	"4	"4	"4	"4	"4	"6
W=4'2"	5'5"	3'4"	5'5"	-	-	-	1'5" 5'6" 5'5"
W=5'0"	8'1"	4'4"	-	5'5"	-	-	1'5" 5'6" 5'5"
W=6'0"	10'1"	5'4"	-	5'5"	-	-	1'5" 5'6" 5'5"
W=7'0"	11'1"	6'4"	-	5'5"	-	-	1'5" 5'6" 5'5"
W=8'0"	12'1"	7'4"	-	5'5"	-	-	1'5" 5'6" 5'5"

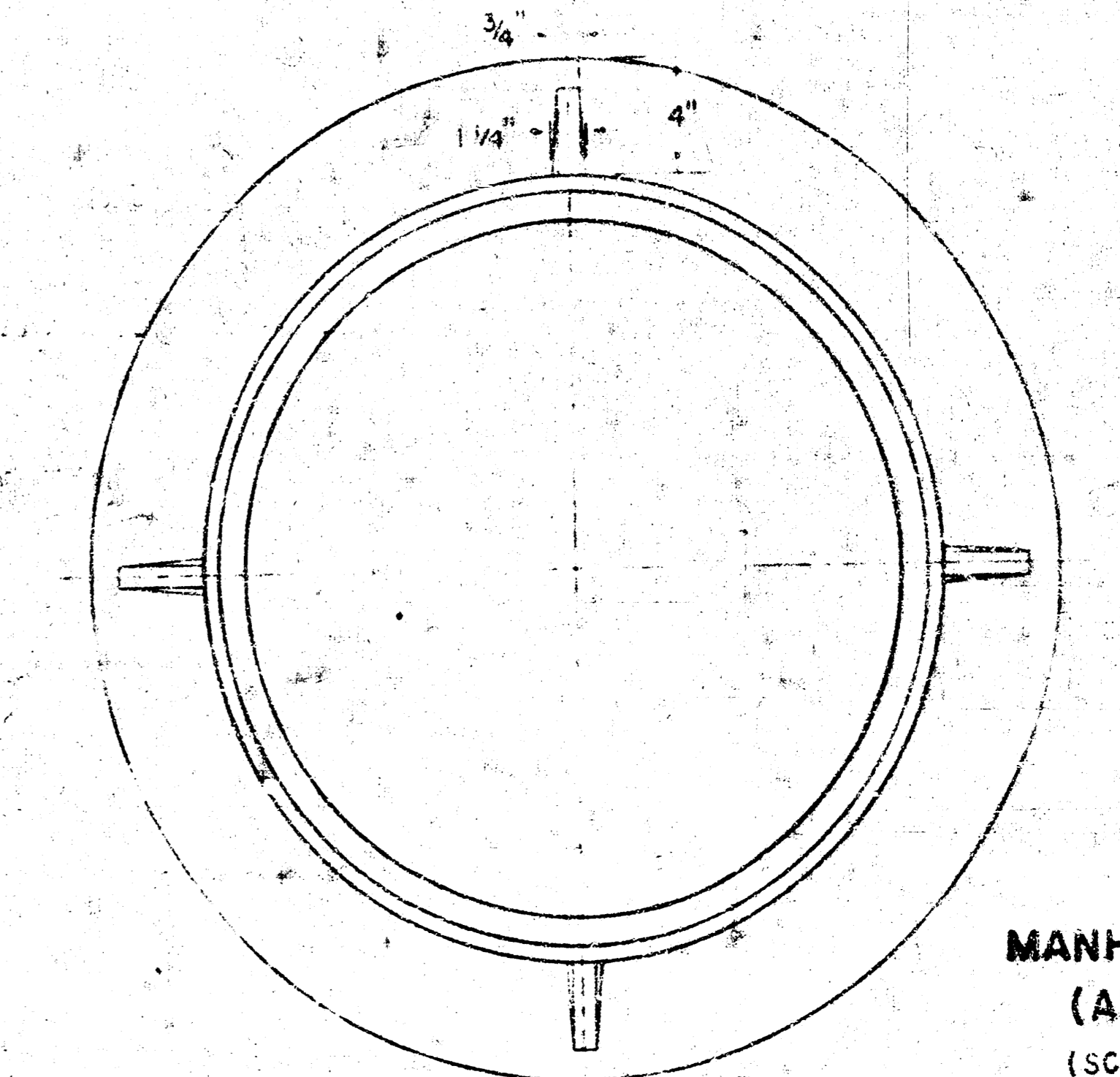
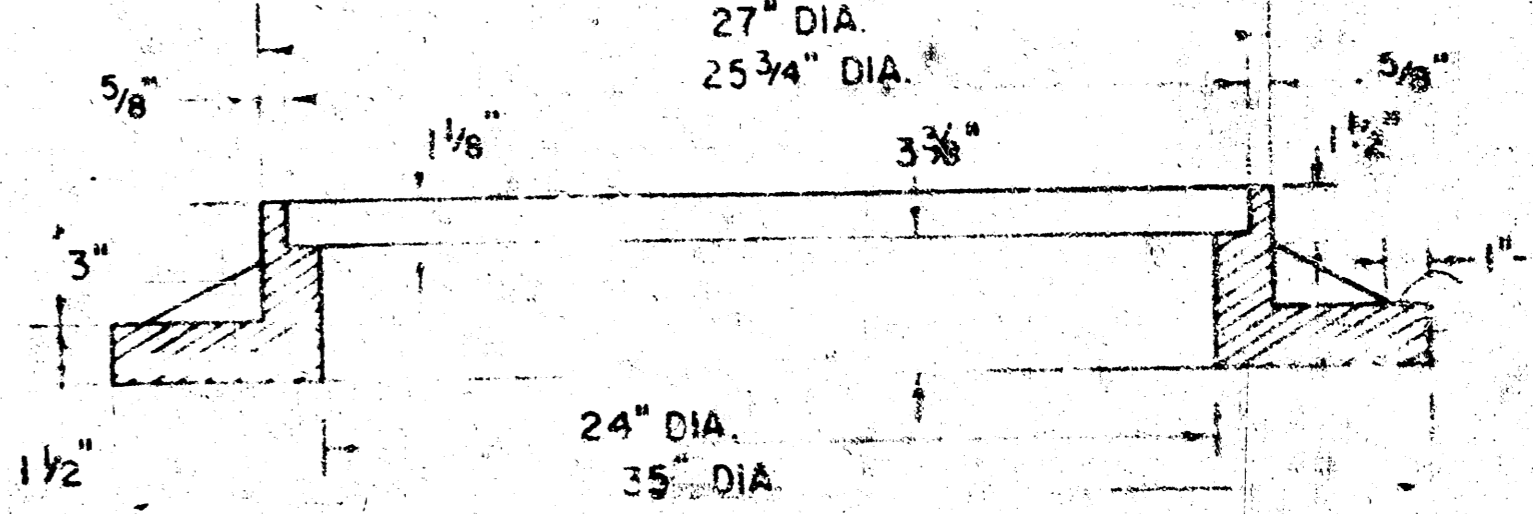
STANDARD CURB INLET PRECAST TOPS

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 *

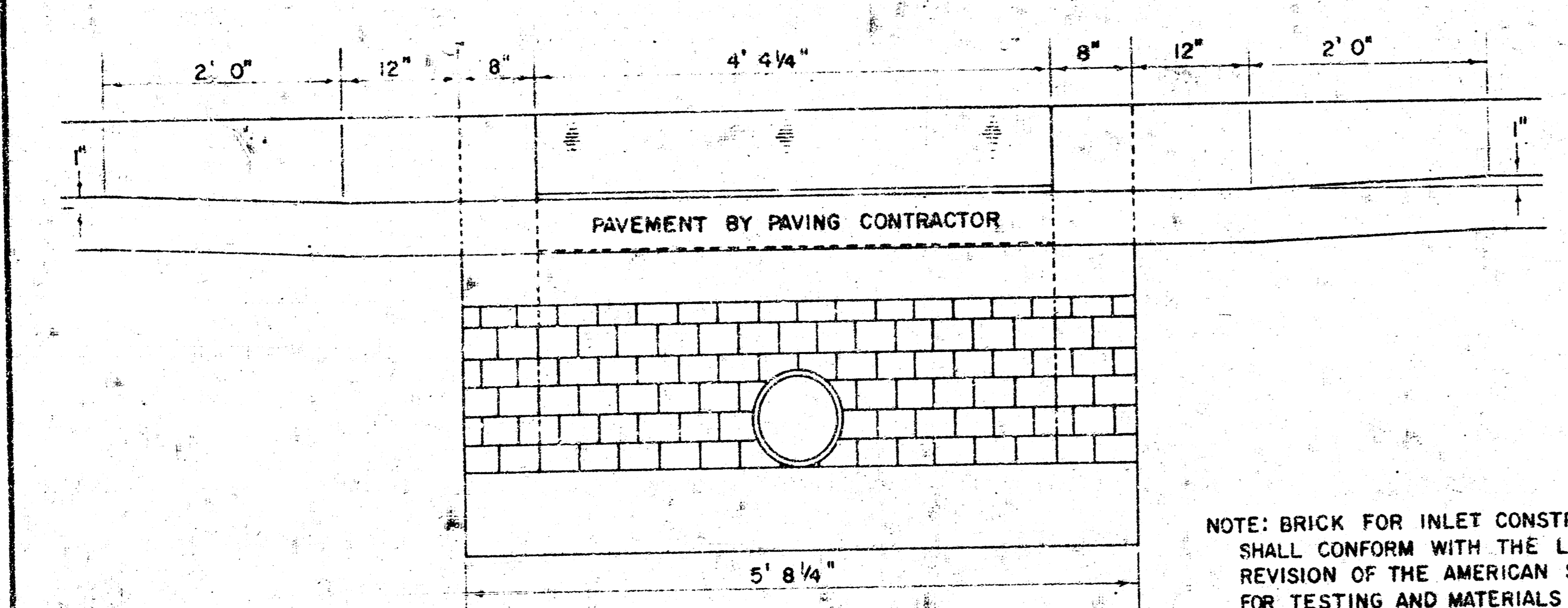
\* GROSS VOLUME



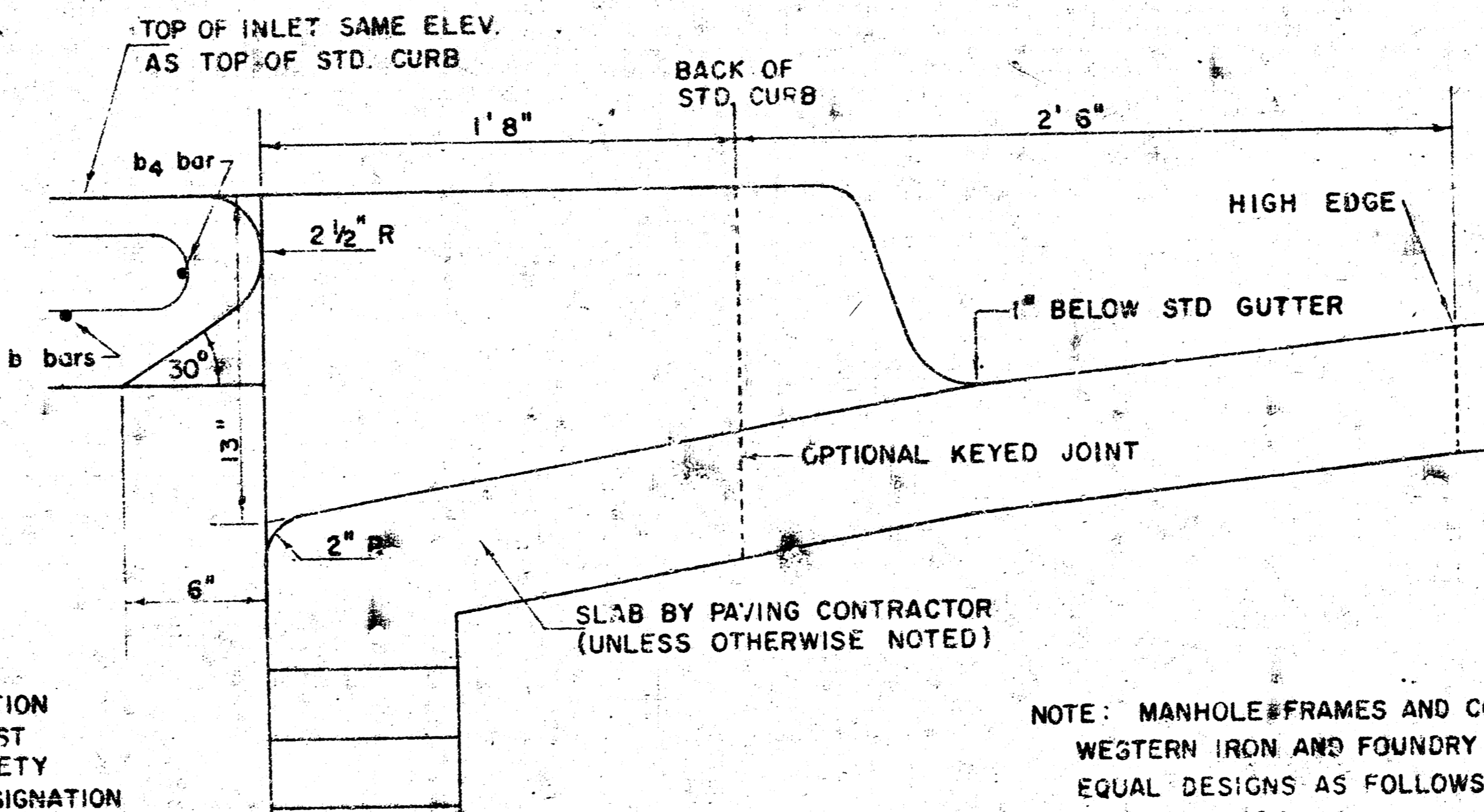
MANHOLE COVER  
(SCALE 1" = 6")  
WEIGHT = 170 LBS.



MANHOLE FRAME (ALTERNATE)  
(SCALE 1" = 6")  
WEIGHT = 160 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 IA CURB INLET  
CITY OF WICHITA, KANSAS  
R. W. LINN - CITY ENGINEER  
OCTOBER 1978