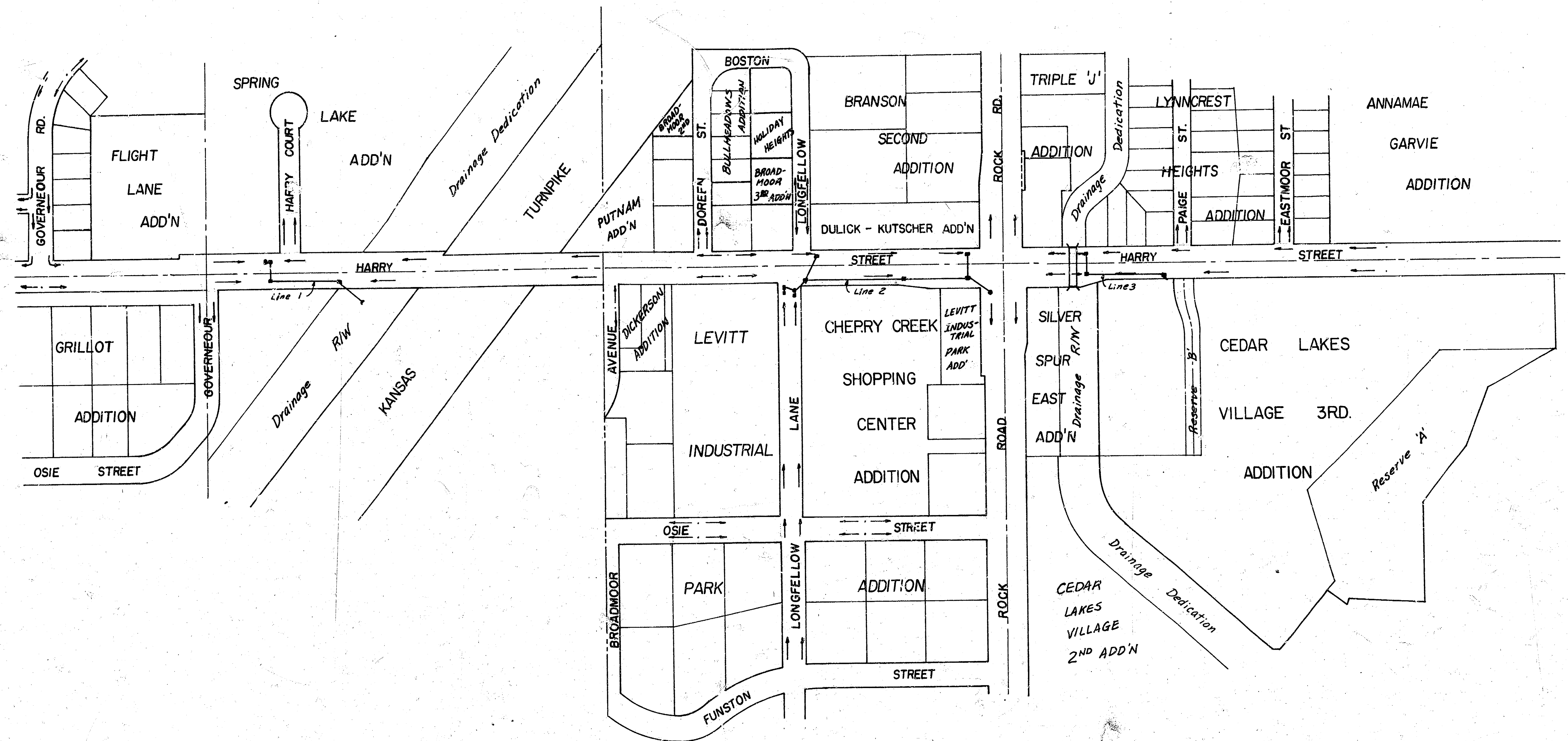
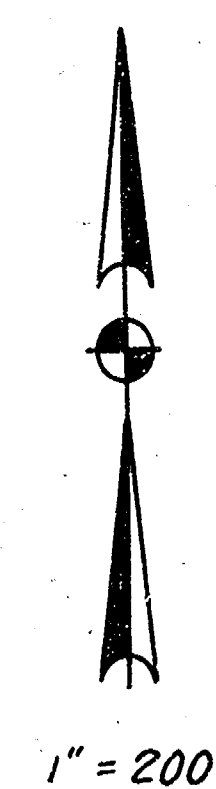


DRAINAGE IN CONNECTION WITH PAVING HARRY STREET



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.) FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND TRIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND TRIMBLES DISTURBED DURING CONSTRUCTION.
- 3.) 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.
- 4.) ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.
- 5.) 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).
- 6.) CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.
- 7.) 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.

Index

Sheet No.

- | | |
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| 1 | Cover Sheet |
| 2 | Line 1 |
| 3,4 | Line 2 |
| 5 | Line 3 |
| 6 | Type 1A Inlet |
| 7 | Type 1 Inlet |
| 8 | Type B Manhole |
| 9 | Headwall |

DEAN SELLERS, ACTING CITY ENGINEER
CITY OF WICHITA, KANSAS

PROJECT NO. 472 76 245 80641 000 000 002

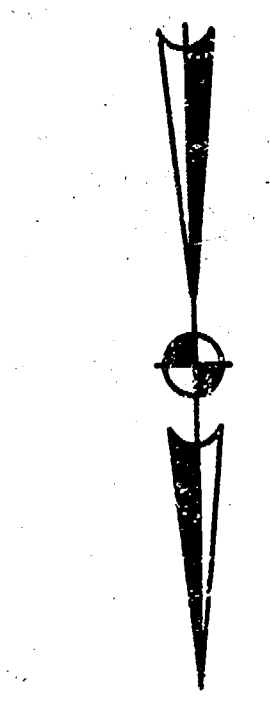
DATE: _____



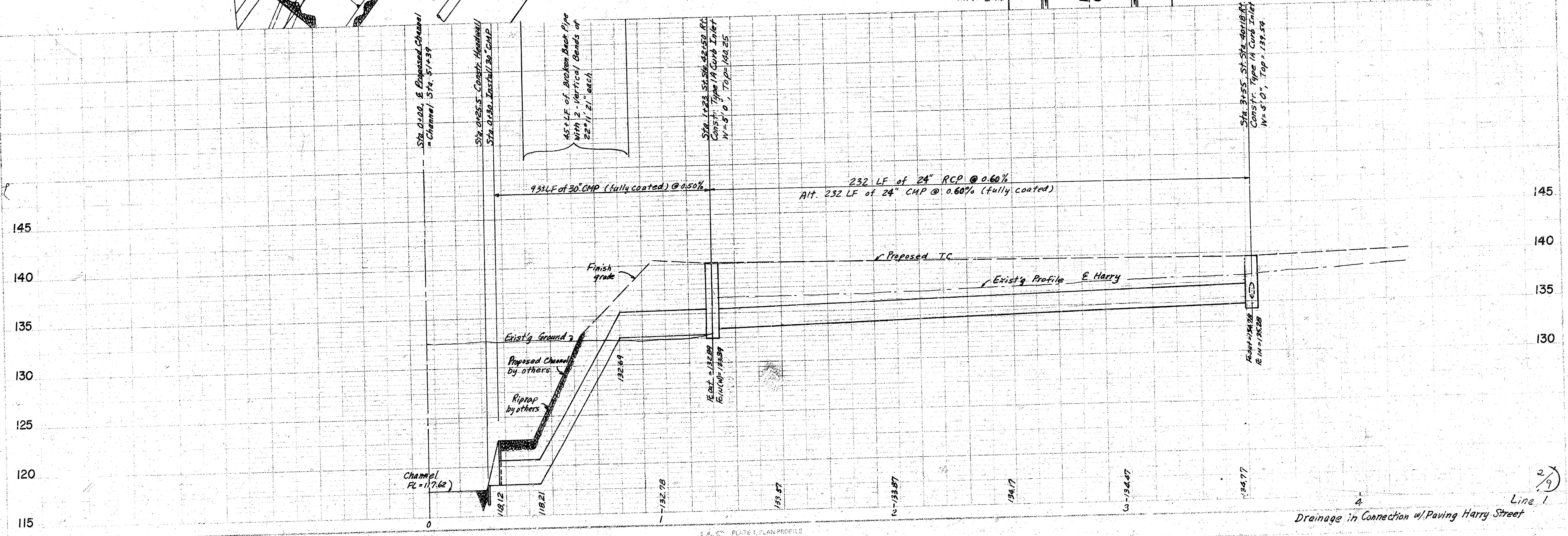
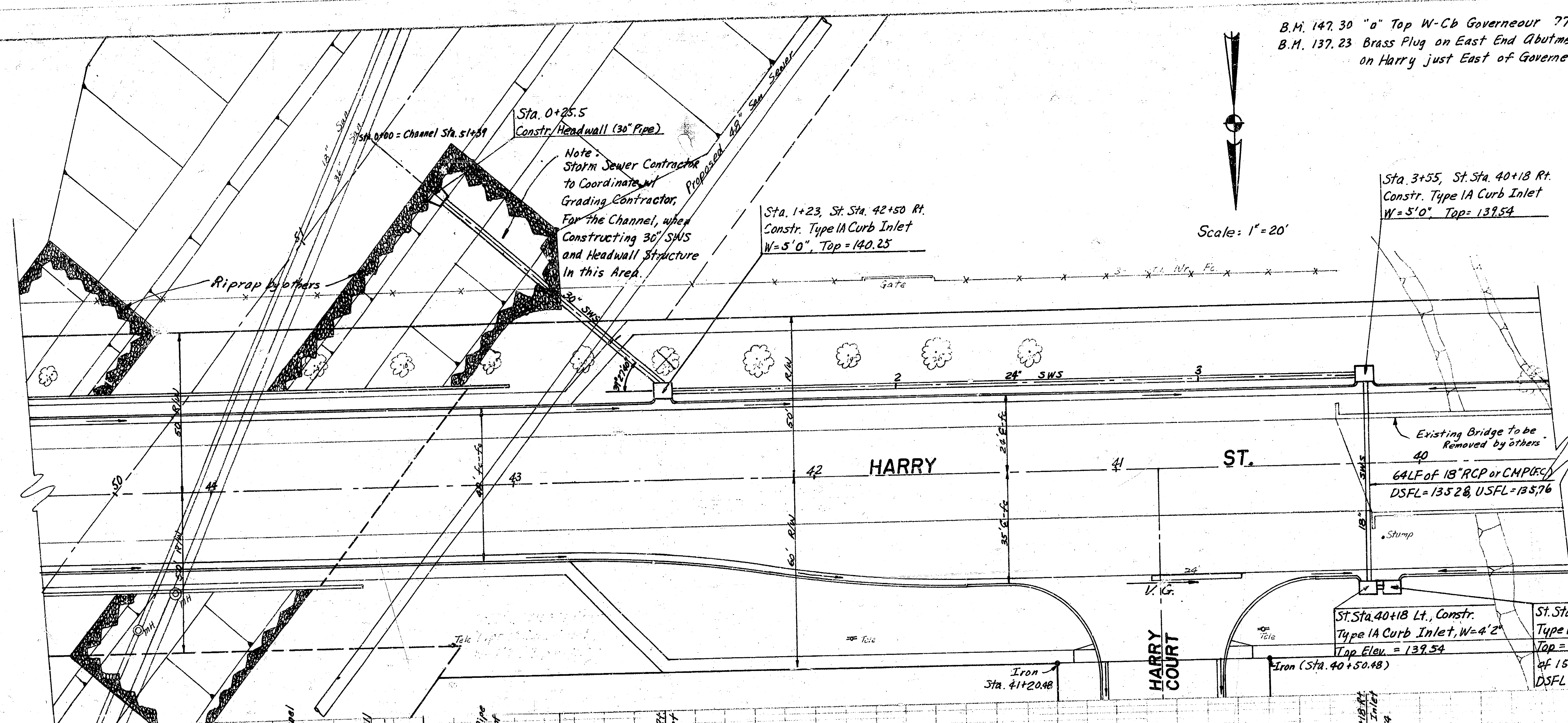
FILED
 PLANS
 DUC 20
 DUC 21

PLANS
 DUC 20
 DUC 21

B.M. 147.30 "a" Top W-Cb Gouverneur 77' N of E Harry
 B.M. 137.23 Brass Plug on East End Abutment N-Side Conc. Bridge
 on Harry just East of Gouverneur S.



Scale: 1" = 20'

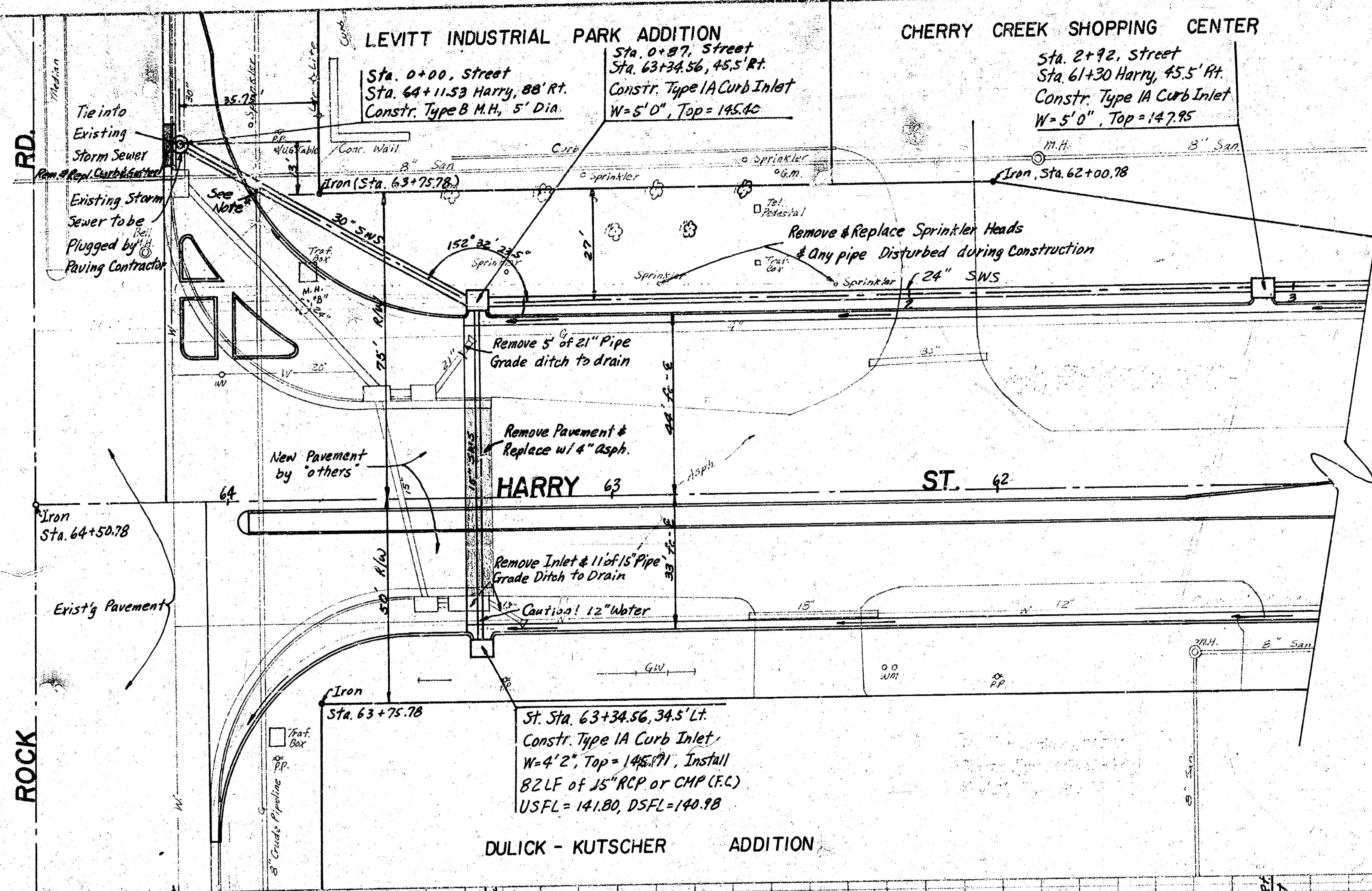
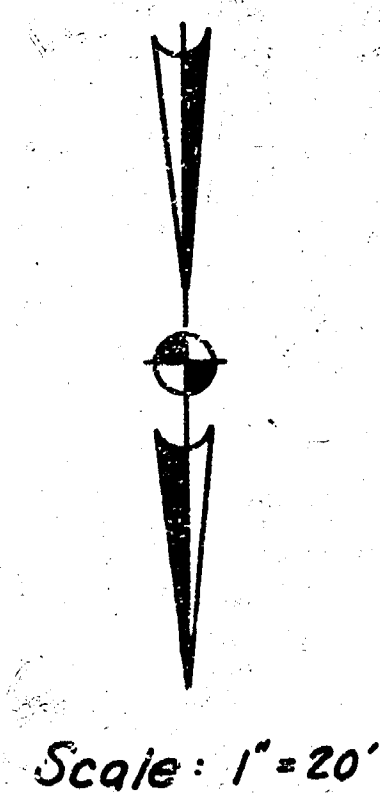


Drainage in Connection w/ Paving Harry Street

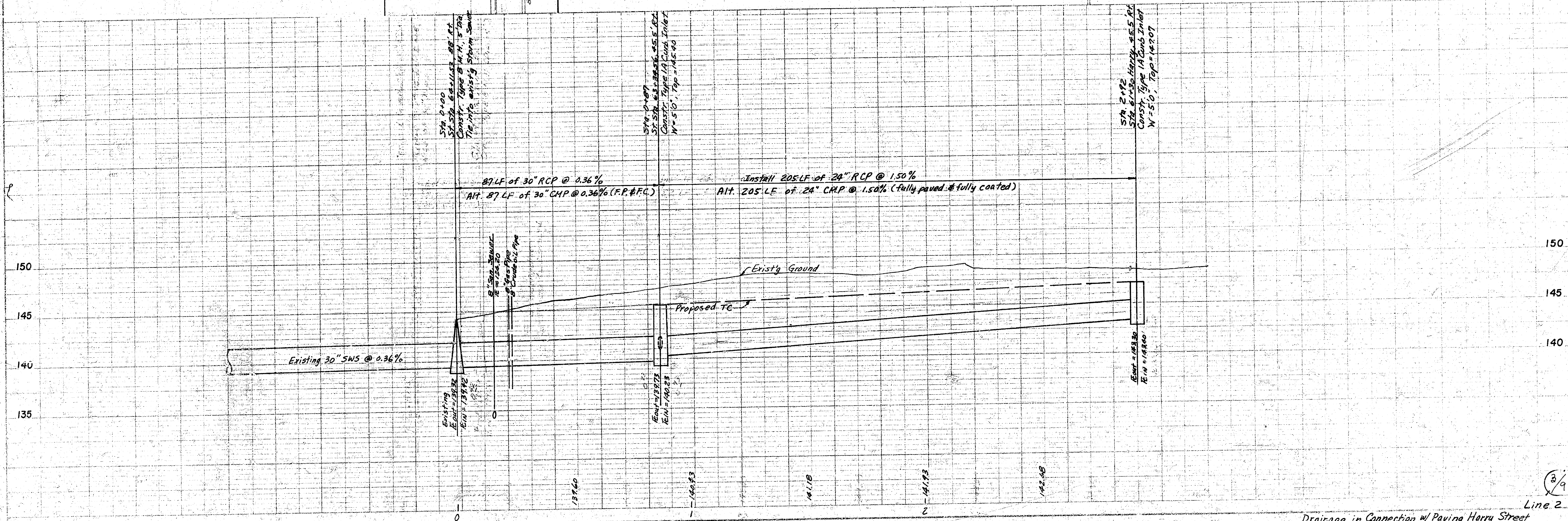
PLATE 1 PLAN-PROFILE
 38 7000 WARD W. 1/2 S. 4

FILMED FROM THE BEST AVAILABLE COPY.....

B.M. 145.12 "x" Cut in "a" Ctr. Median & Rock Rd.
N.L. of Harry
B.M. 154.22 "a" Top W-Cb Longfellow 59' N of & Harry

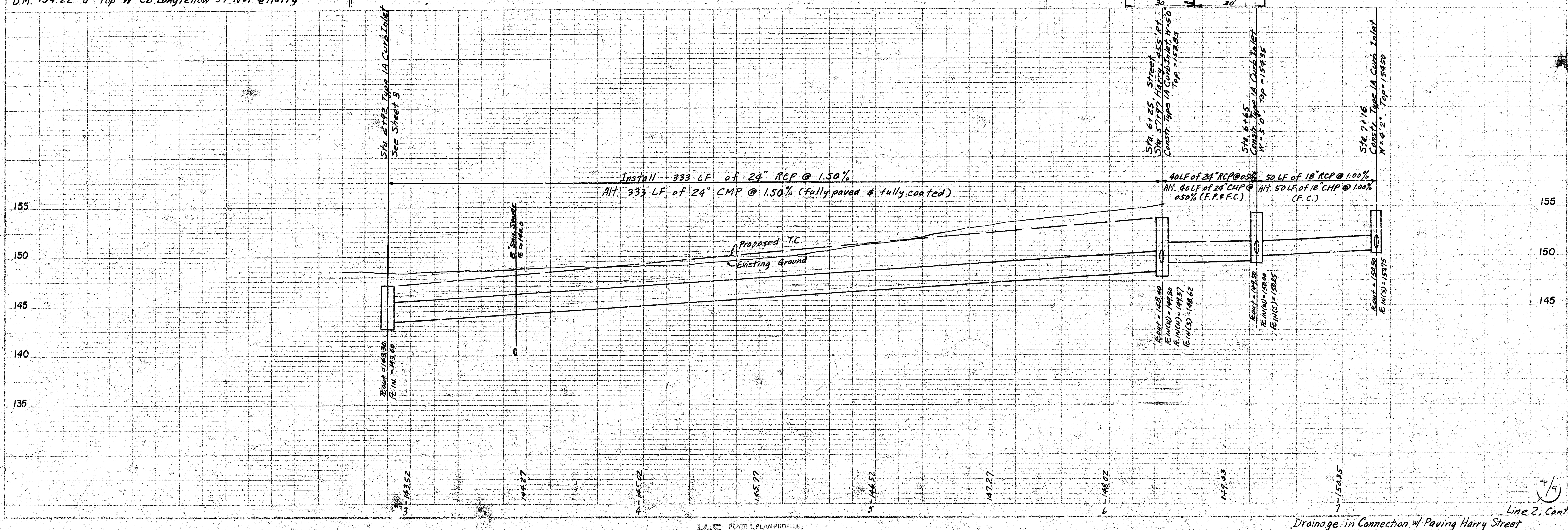
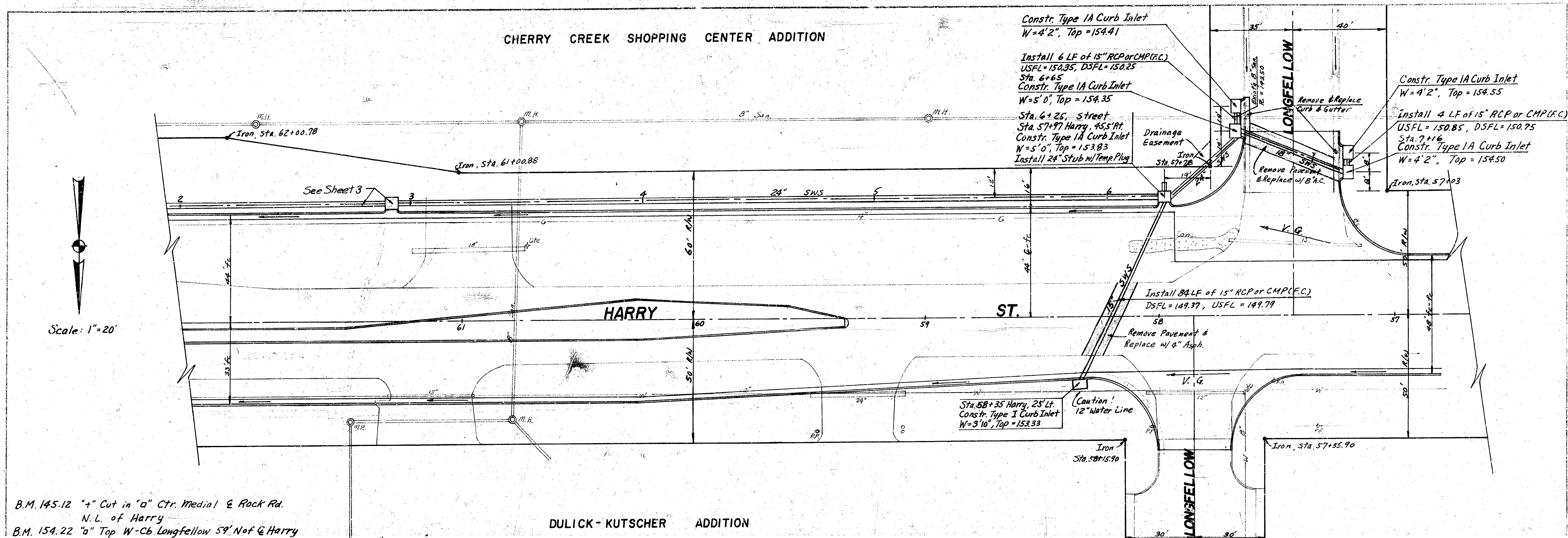


* NOTE: CONTRACTOR SHALL CONTACT MR. DWAIN VERNON OF CONTINENTAL PIPELINE COMPANY AT (316) 794-8356 FOR LOCATION OF THE CRUDE PIPELINE AT LEAST 24 HOURS PRIOR TO BEGINNING WORK IN THE PIPELINE AREA. IF MR. VERNON CANNOT BE REACHED, CALL (316) 824-6520 or (405) 767-2382.



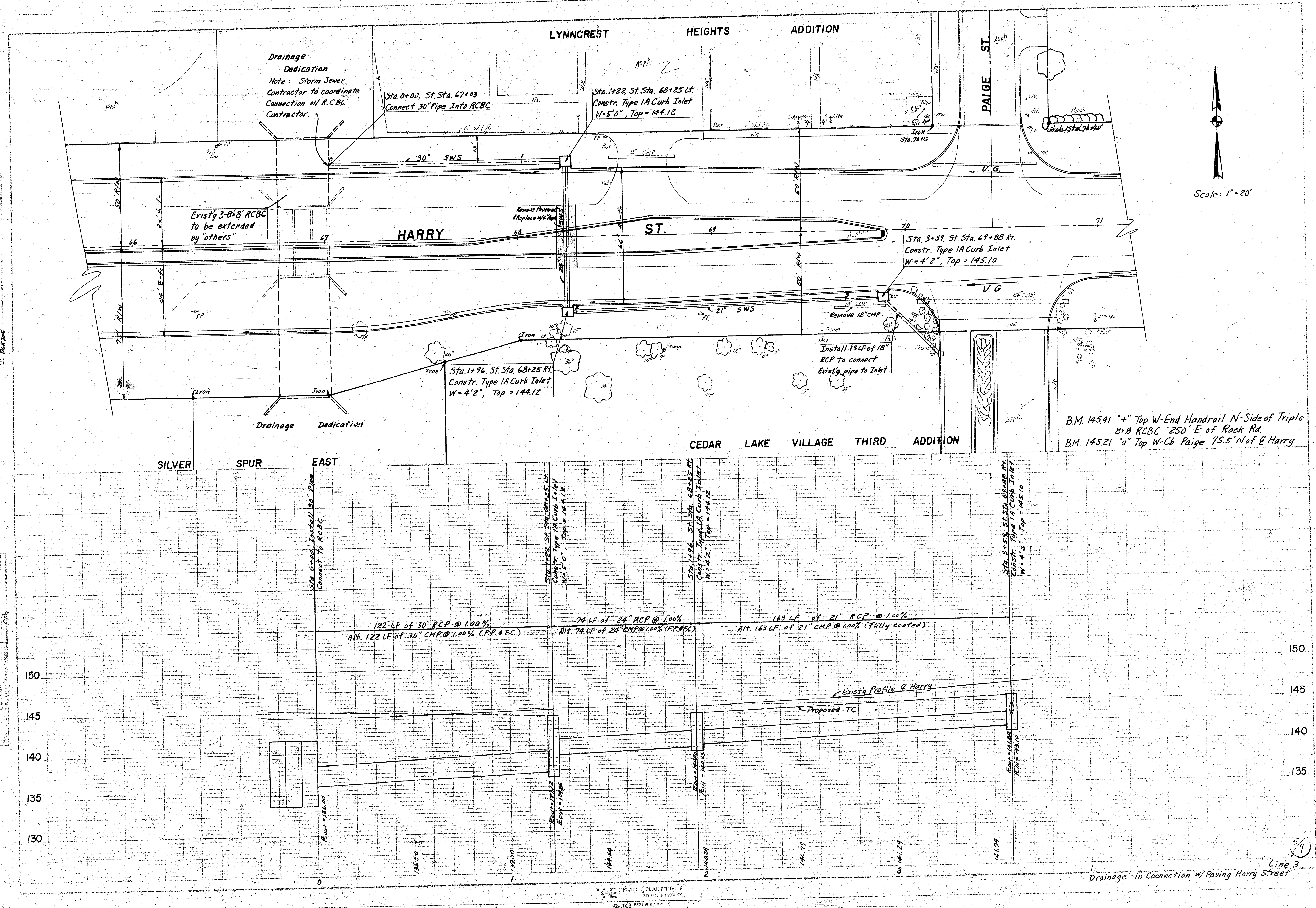
Drainage in Connection w/ Paving Harry Street

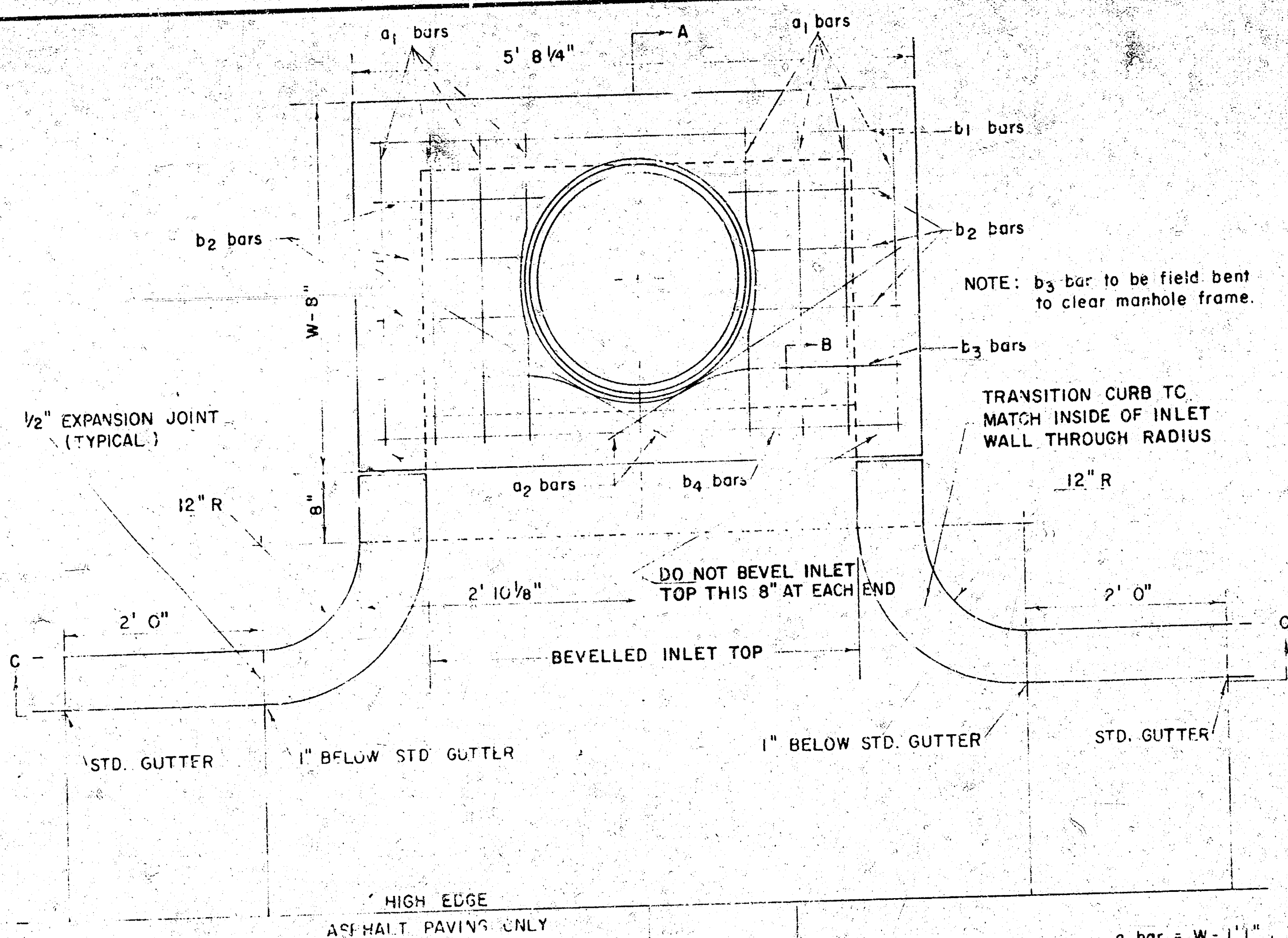
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AVAILABLE COPY



PLAN
 DATE: 10/1/85
 DRAWN BY: J. L. B. / J. L. B.
 CHECKED BY: J. L. B. / J. L. B.

PROFILE
 DATE: 10/1/85
 DRAWN BY: J. L. B. / J. L. B.
 CHECKED BY: J. L. B. / J. L. B.





PLAN (SCALE 1" = 1' 0")

STEEL SCHEDULE

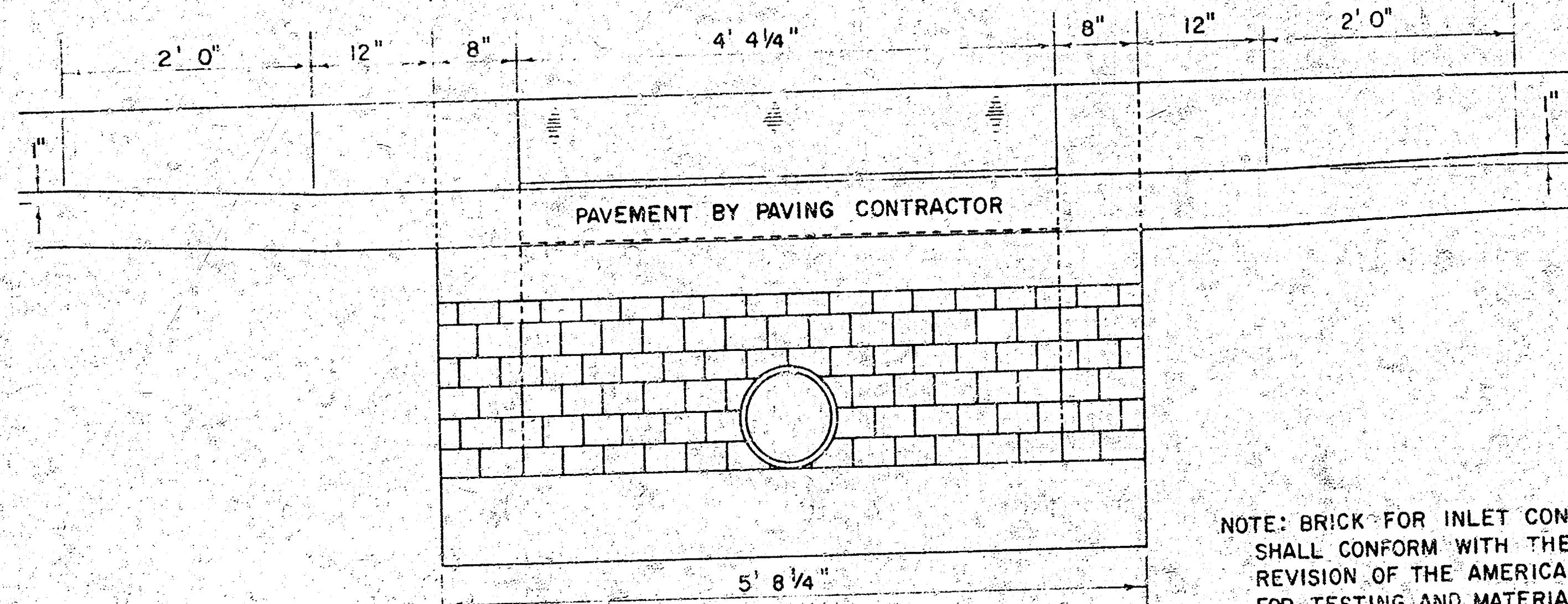
BAR	a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	8	2	1	3	5	7	
SIZE	" 4	" 4	" 4	" 4	" 4	" 4	" 6
W=4' 2"	6' 5"	3' 4"	5' 5"	-	-	-	60 *
W=5' 0"	8' 1"	4' 4"	5' 5"	-	-	-	77 *
W=6' 0"	10' 1"	5' 4"	5' 5"	-	-	-	97 *
W=7' 0"	11' 1"	6' 4"	5' 5"	-	-	-	111 *
W=8' 0"	12' 1"	7' 4"	5' 5"	-	-	-	124 *

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

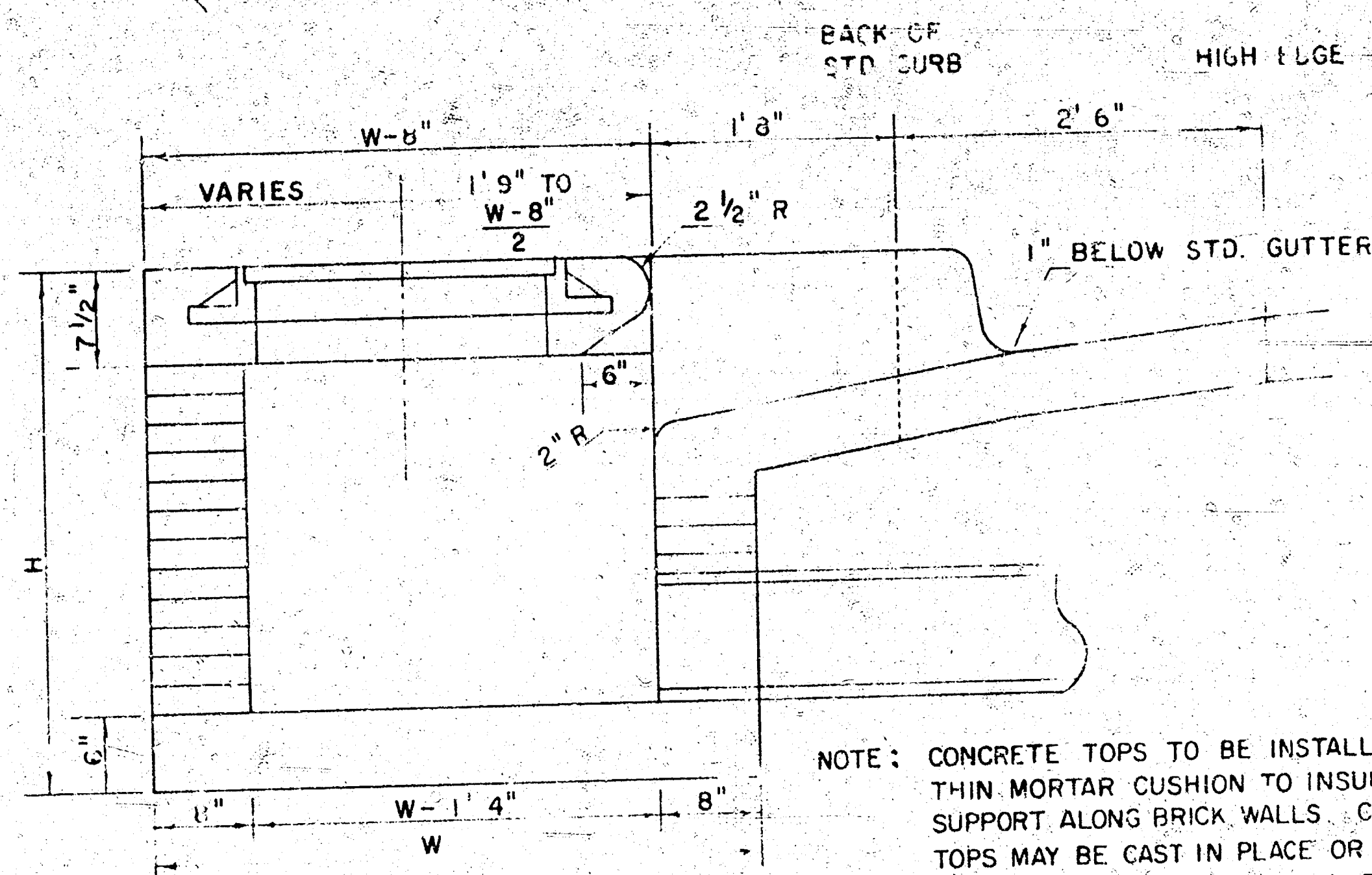
BENDING DIAGRAM

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

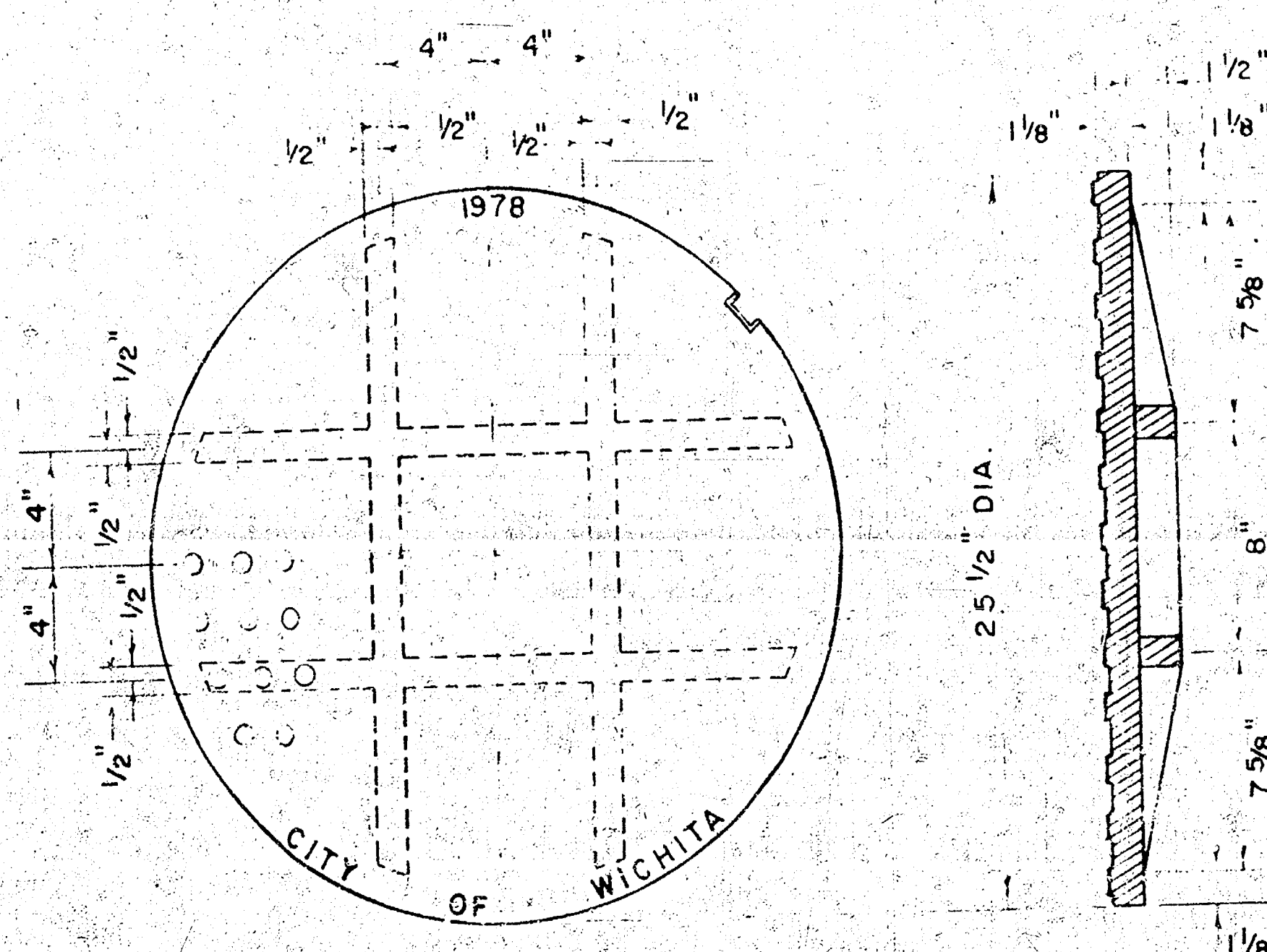
* GROSS VOLUME



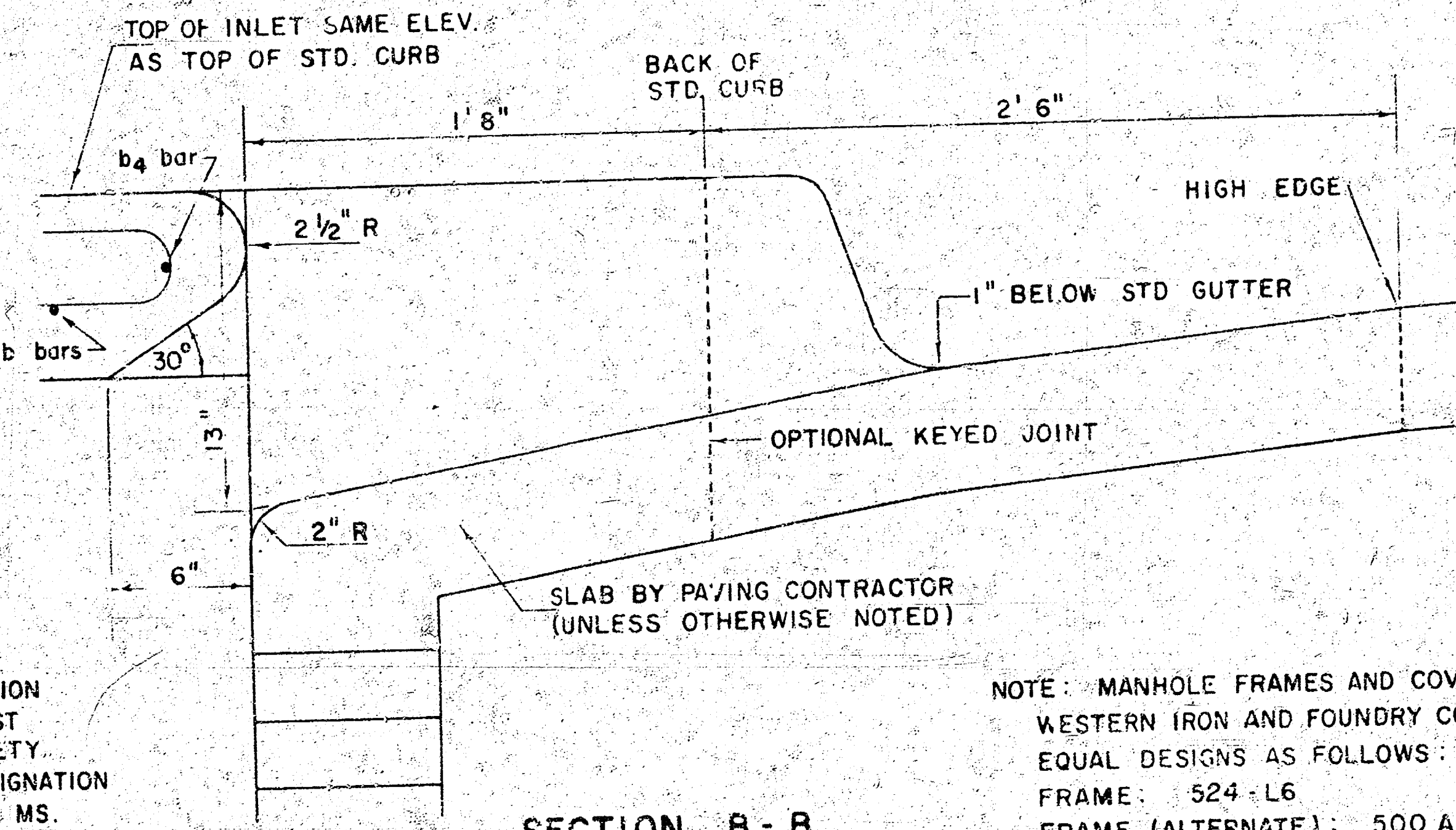
SECTION C-C (SCALE 1" = 1' 0")



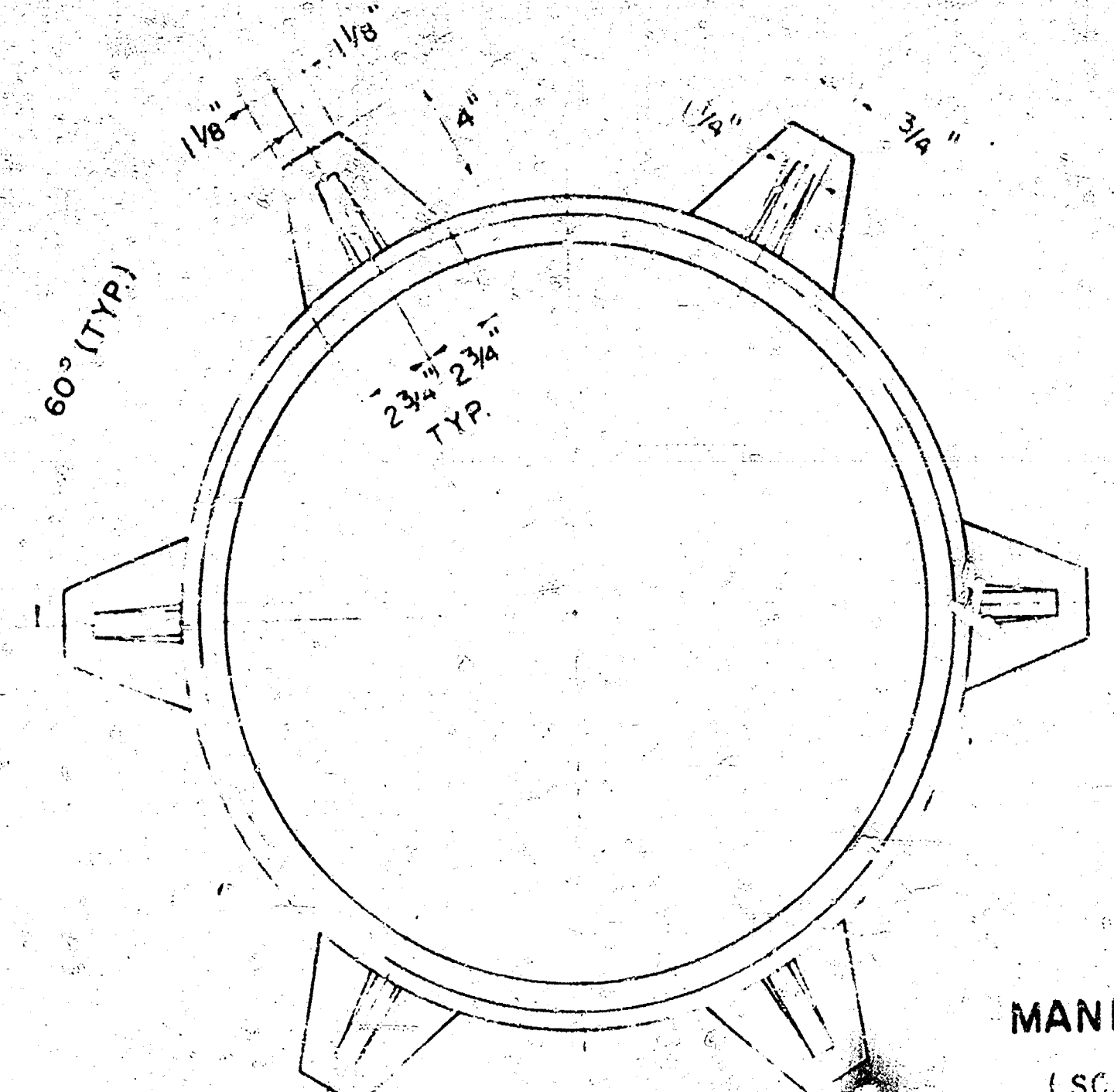
SECTION A-A (SCALE 1" = 1' 0")



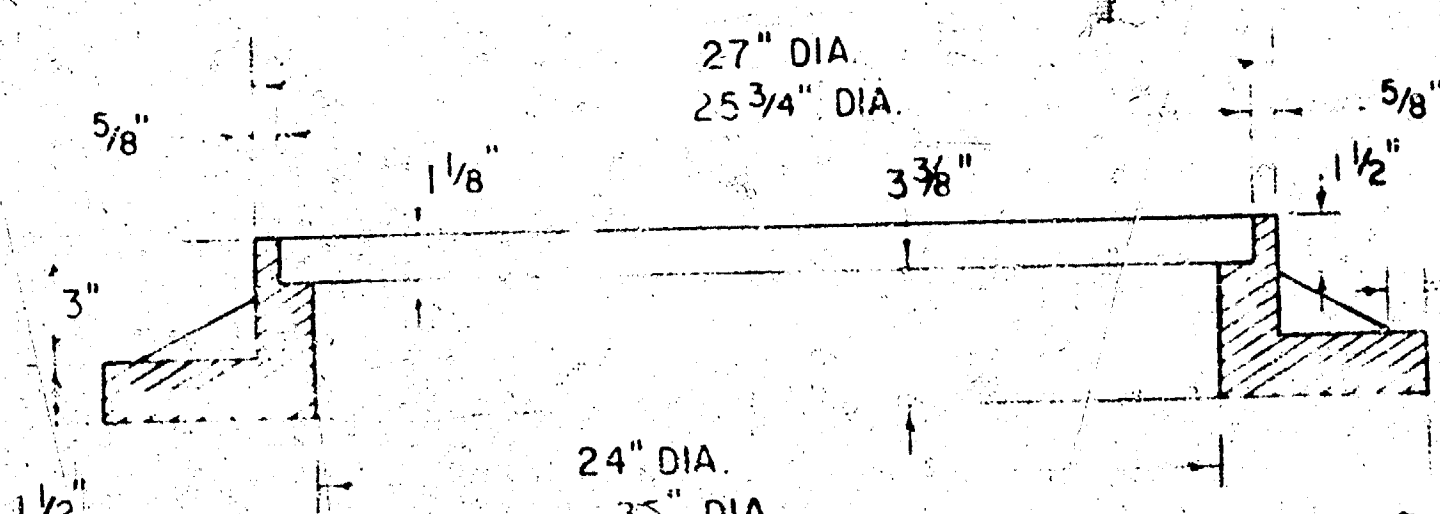
MANHOLE COVER (SCALE 1" = 6")
WEIGHT = 170 LBS.



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

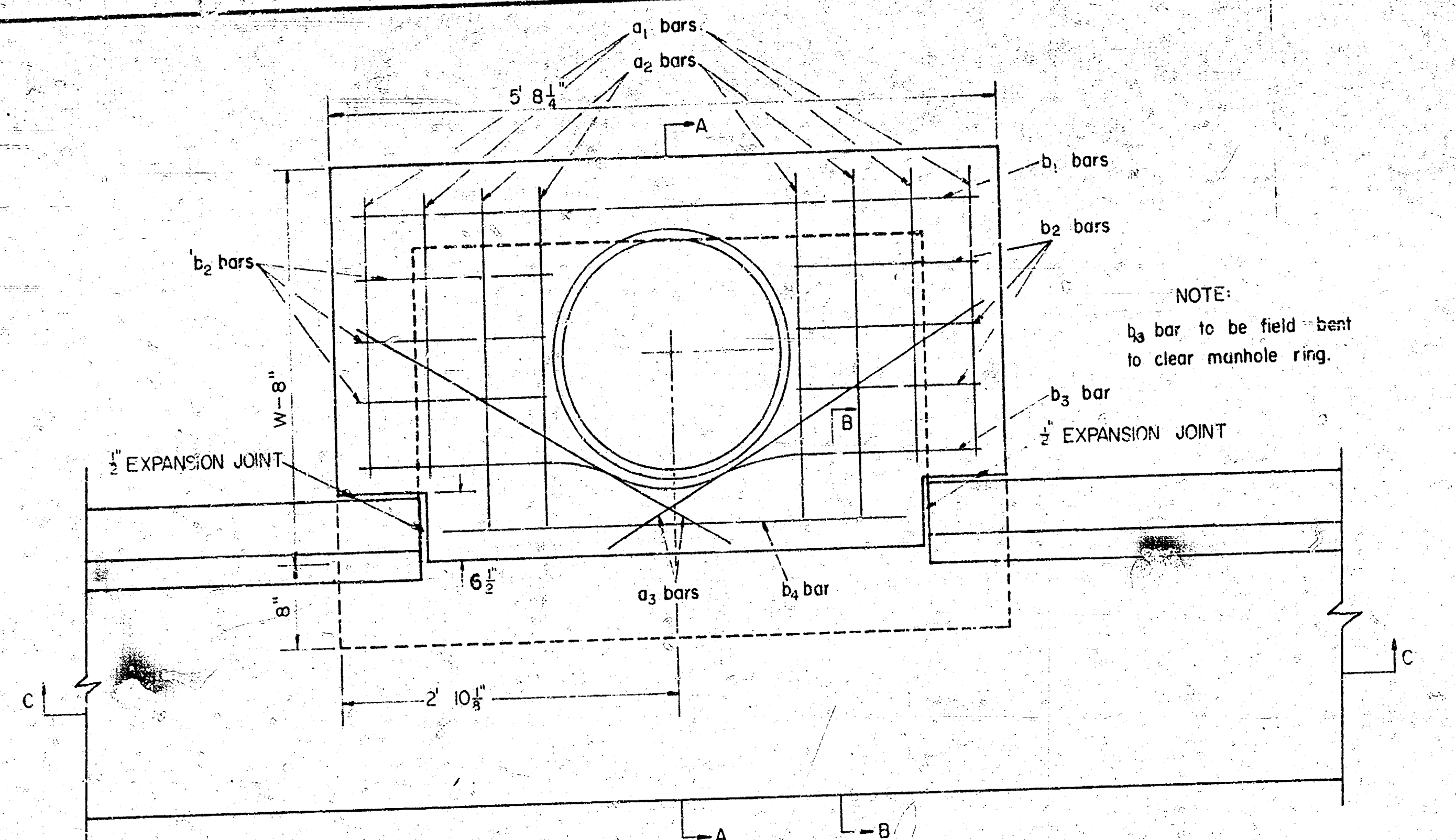


MANHOLE FRAME (SCALE 1" = 5")
WEIGHT = 180 LBS.

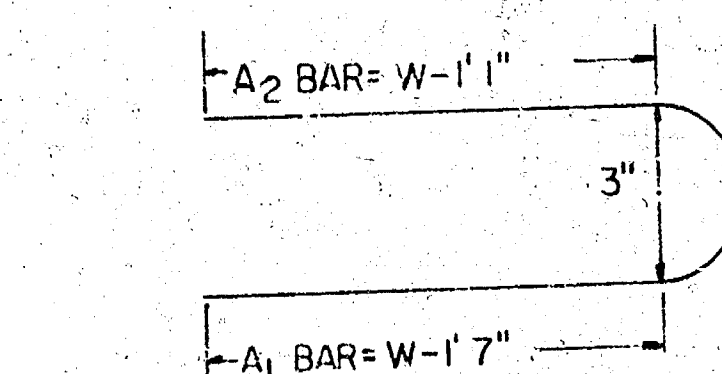


MANHOLE FRAME (ALTERNATE) (SCALE 1" = 6")
WEIGHT = 180 LBS.

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

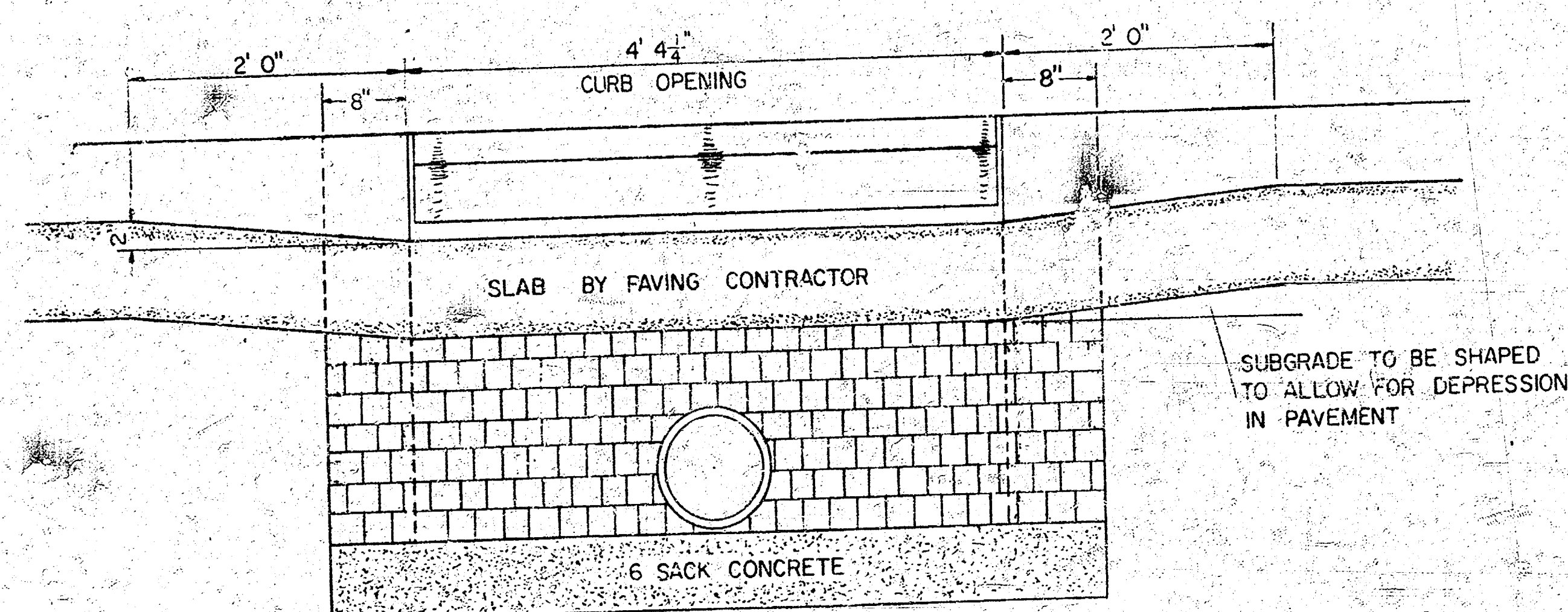


PLAN
SCALE: 1"=1'0"



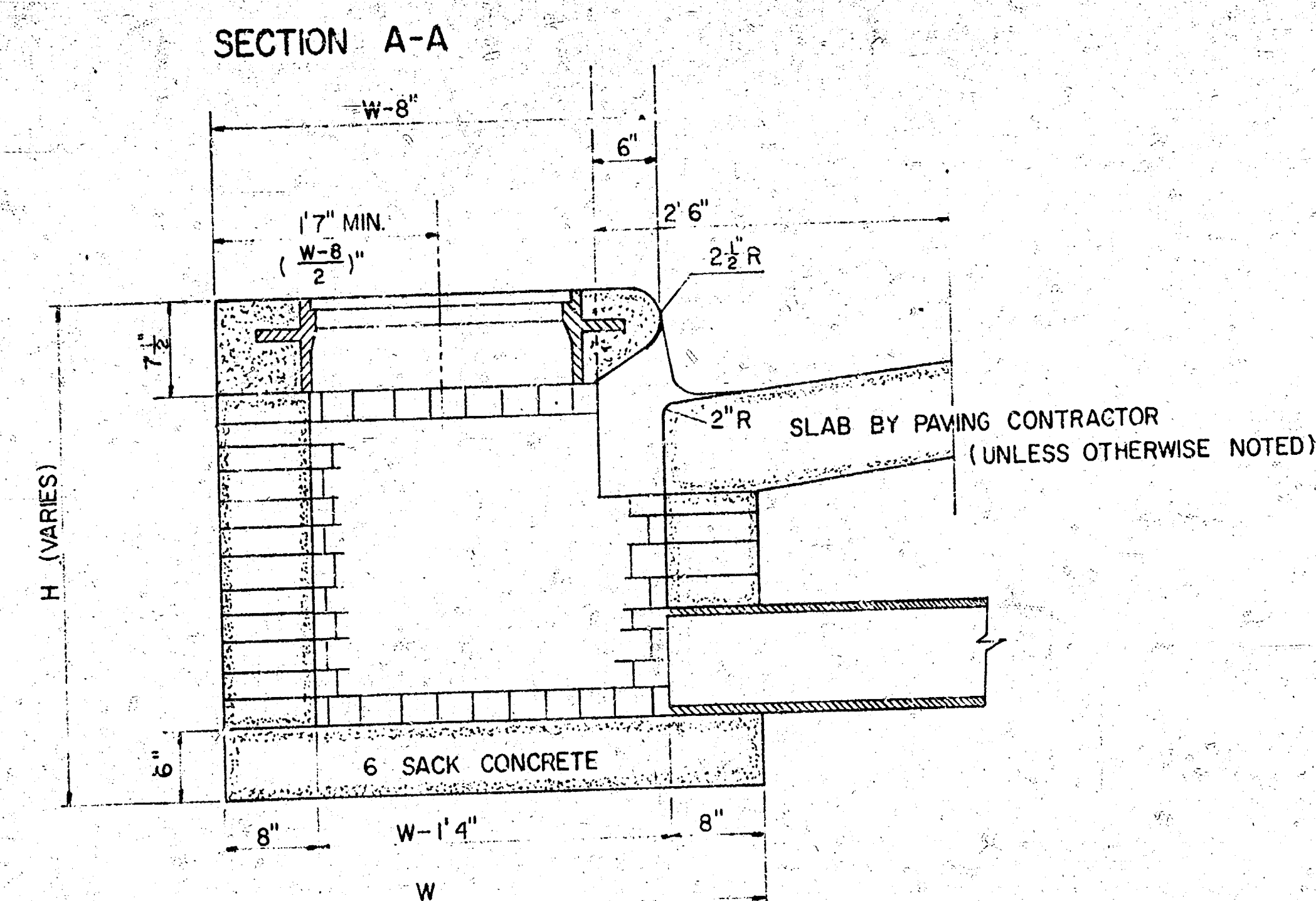
BAR	a ₁	a ₂	a ₃ *	b _i			b ₂	b ₃	b ₄	WT. LBS.
				W=3'10"	W=4'10"	W=5'10"				
SIZE	"4	"4	"4	"4	"4	"4	"4	"4	"6	
NUMBER	4	4	2	3	5	6	1	1		
LENGTH	W=3'10"	4'9"	5'9"	3'7"	5'5"	—	1'7"	5'6"	4'0"	53
	W=4'10"	6'9"	7'9"	4'7"	5'5"	—	1'7"	5'6"	4'0"	72
	W=5'10"	8'9"	9'9"	5'7"	—	5'5"	1'7"	5'6"	4'0"	91

NOTE: A₃ BARS TO BE PLACED APPROXIMATELY 2" BELOW TOP OF INLET COVER



SECTION C-C
SCALE: 1"=1'0"

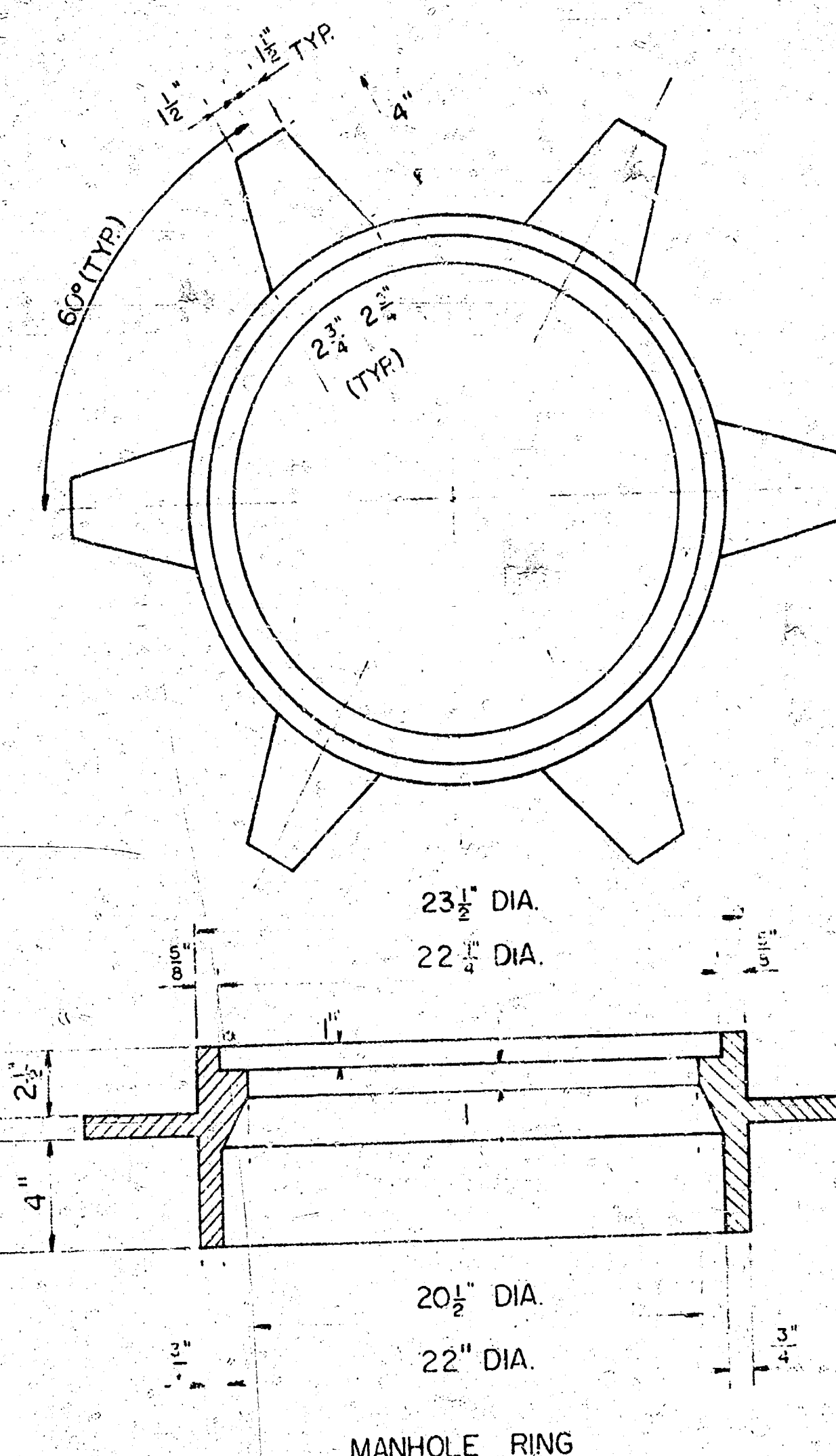
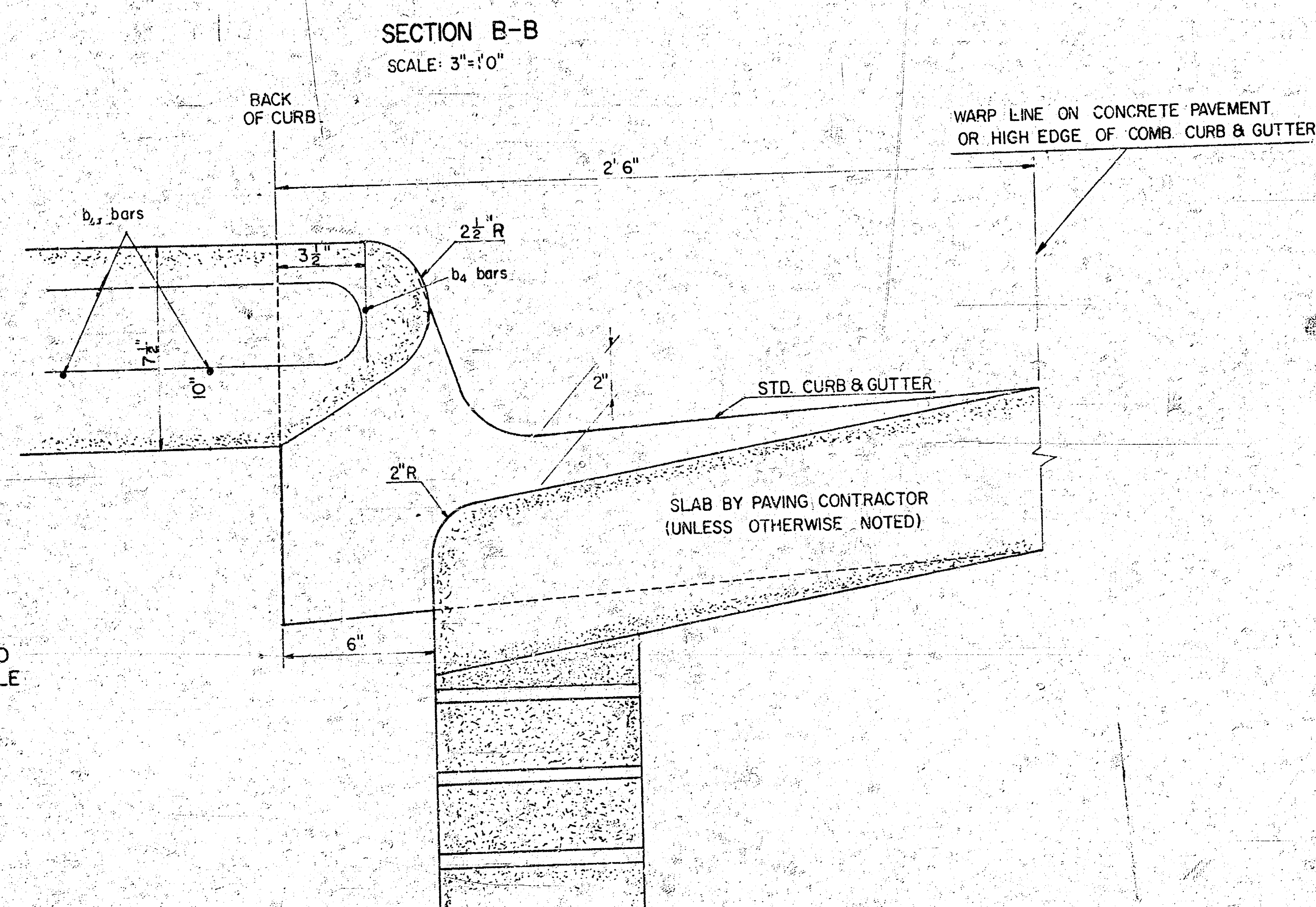
BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS.



W	SIZE	PIPE SIZE	CU. YD. CONC.
3'10"	3'2" X 5'8" X 7"	24" BSMALLER	0.42"
4'10"	4'2" X 5'8" X 7"	30" B 36"	0.55"
5'10"	5'2" X 5'8" X 7"	42" B 48"	0.68"

GROSS VOLUME

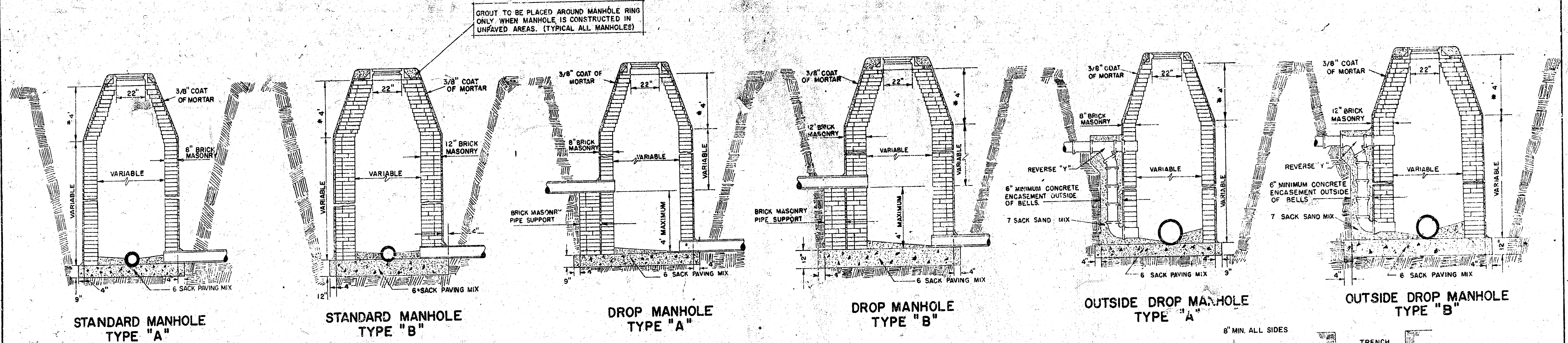
CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6 SACK PAVING MIX.



SEE SEWER APPURTENANCES DETAIL SHEET FOR MANHOLE COVER

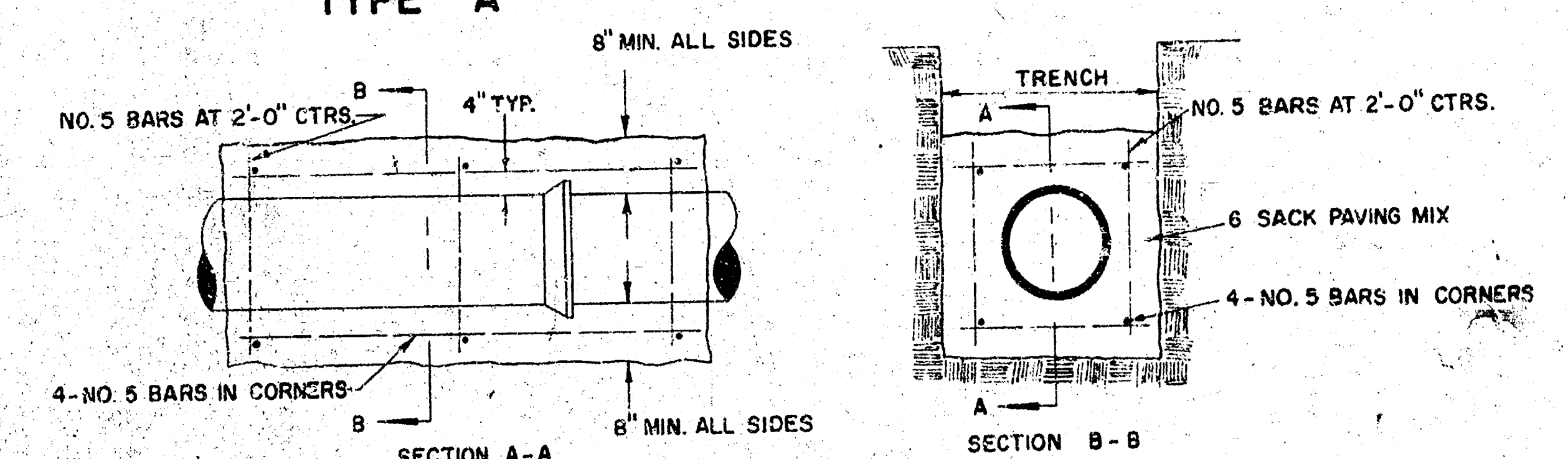
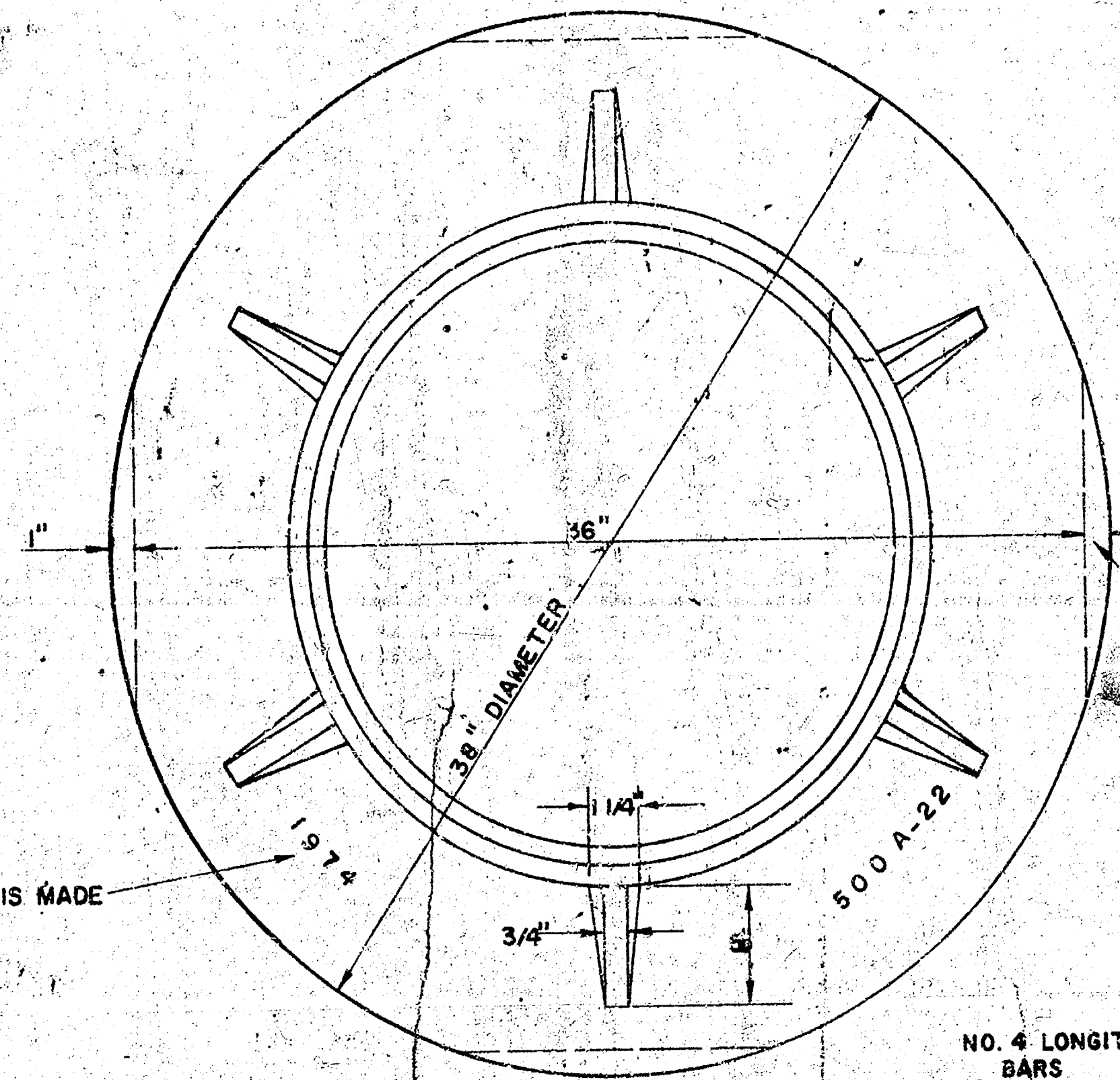
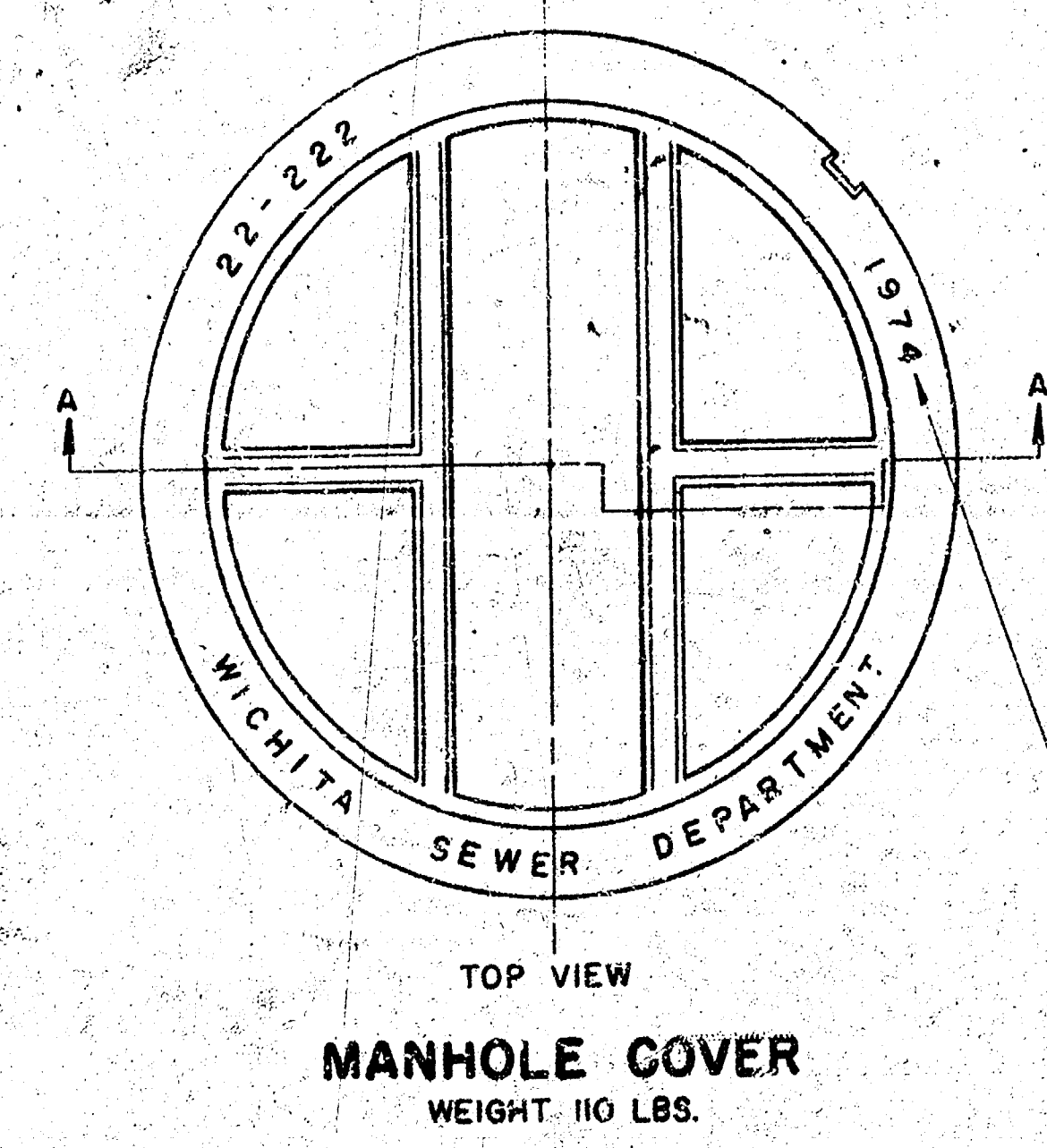
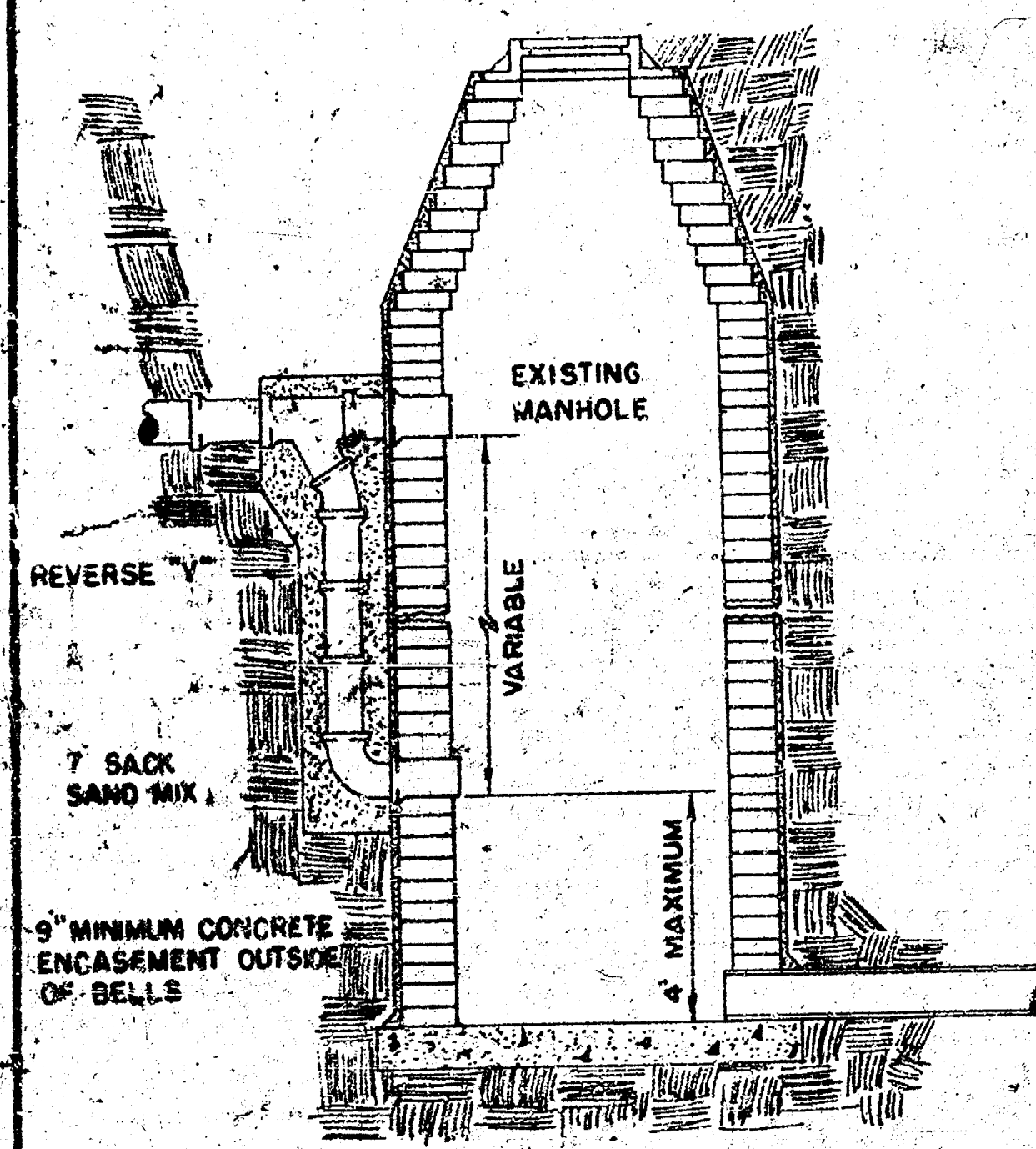
THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH CONCRETE BASE AND/OR WHEN PAVEMENTS HAVE FULL HEIGHT STANDARD CURBS.

DETAIL
STANDARD CURB INLET-TYPE I
CITY OF WICHITA, KANSAS
R.W. LINN-CITY ENGINEER
FEBRUARY, 1975



* DRAW - 6' ON 5' DIA. M.H.

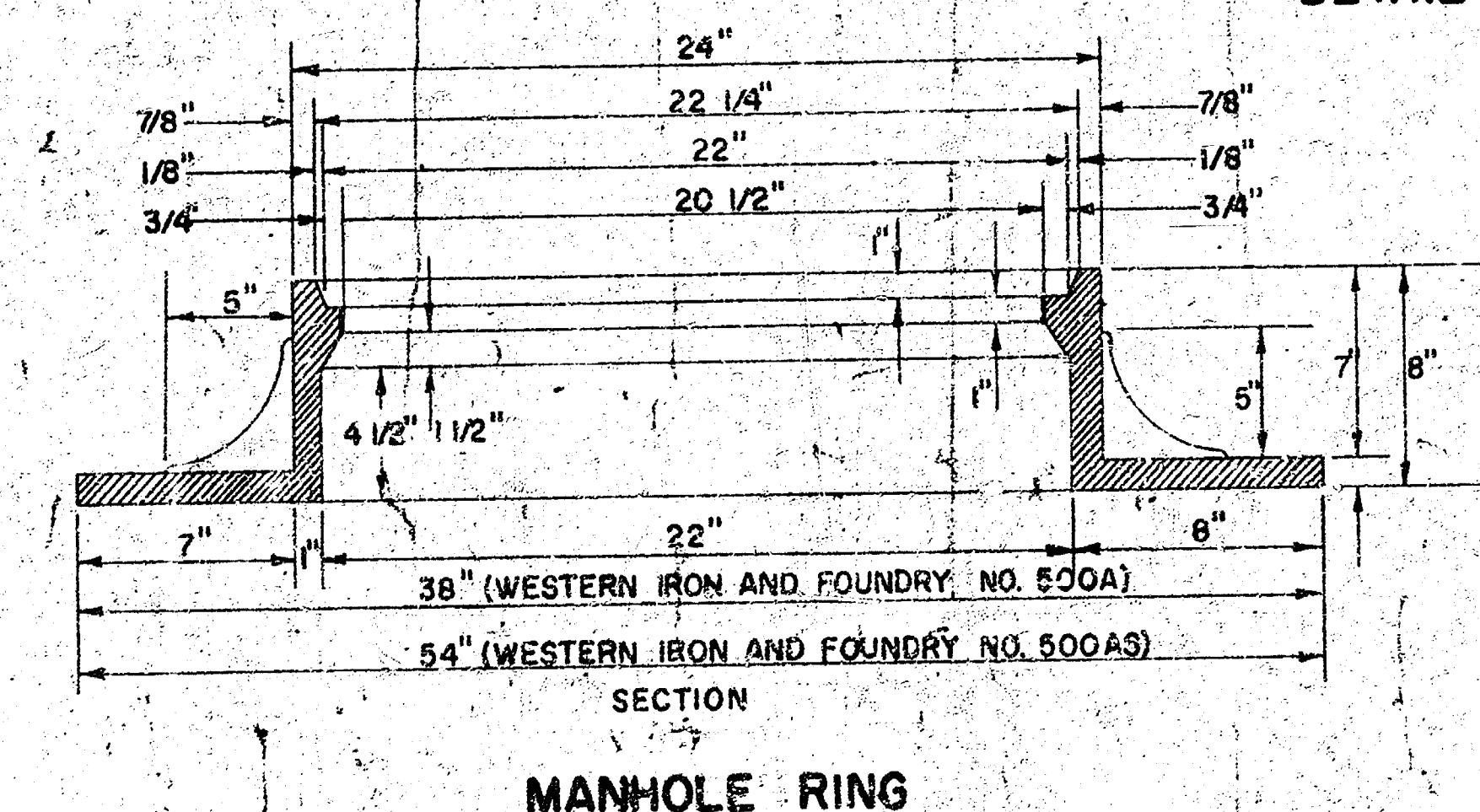
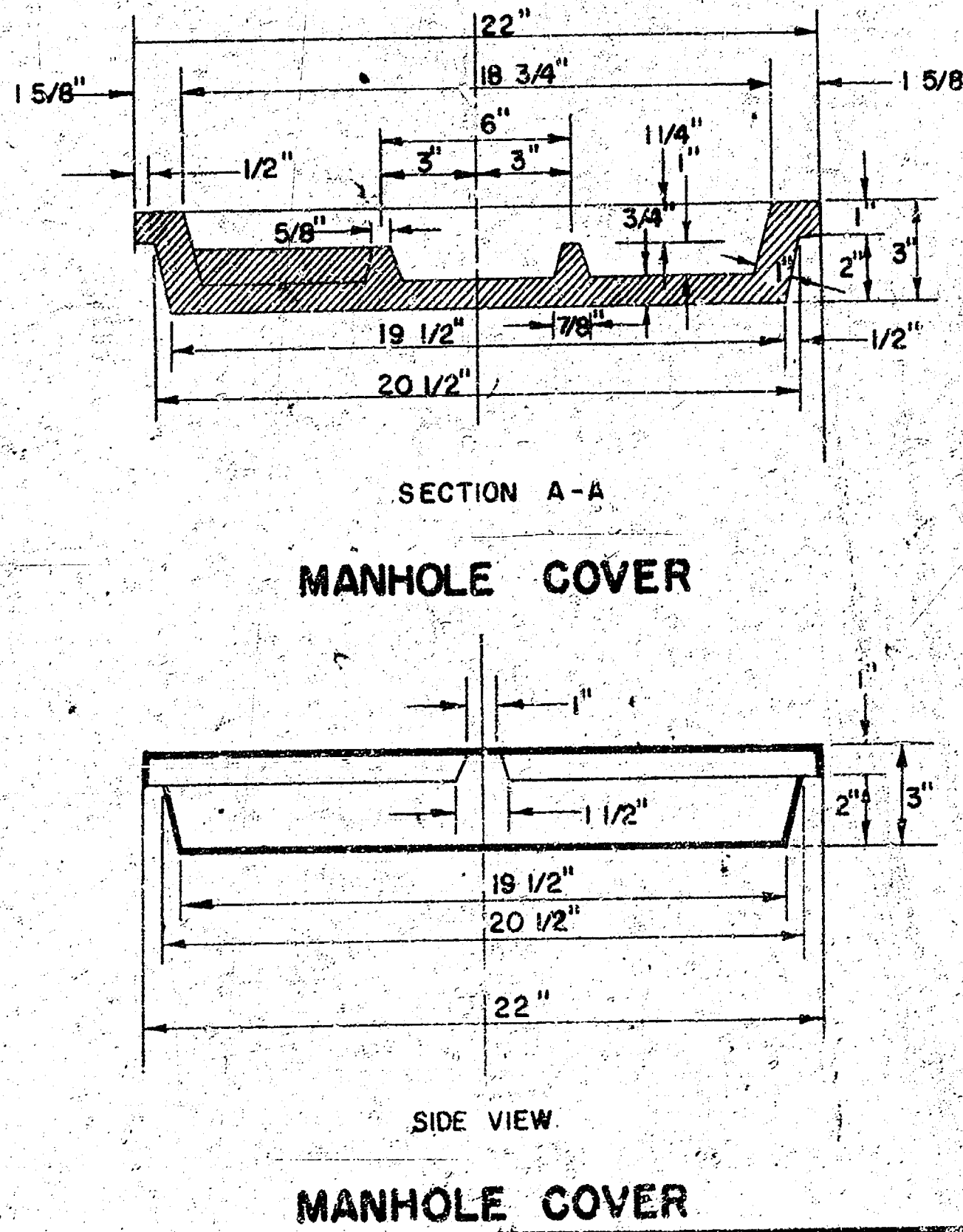
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



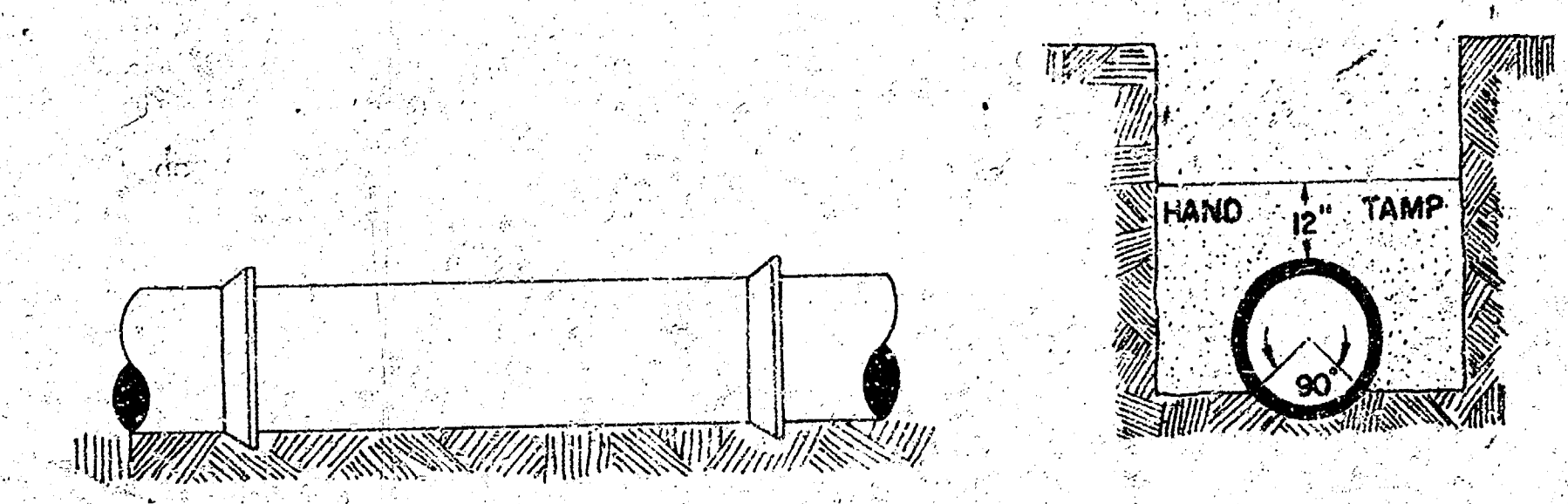
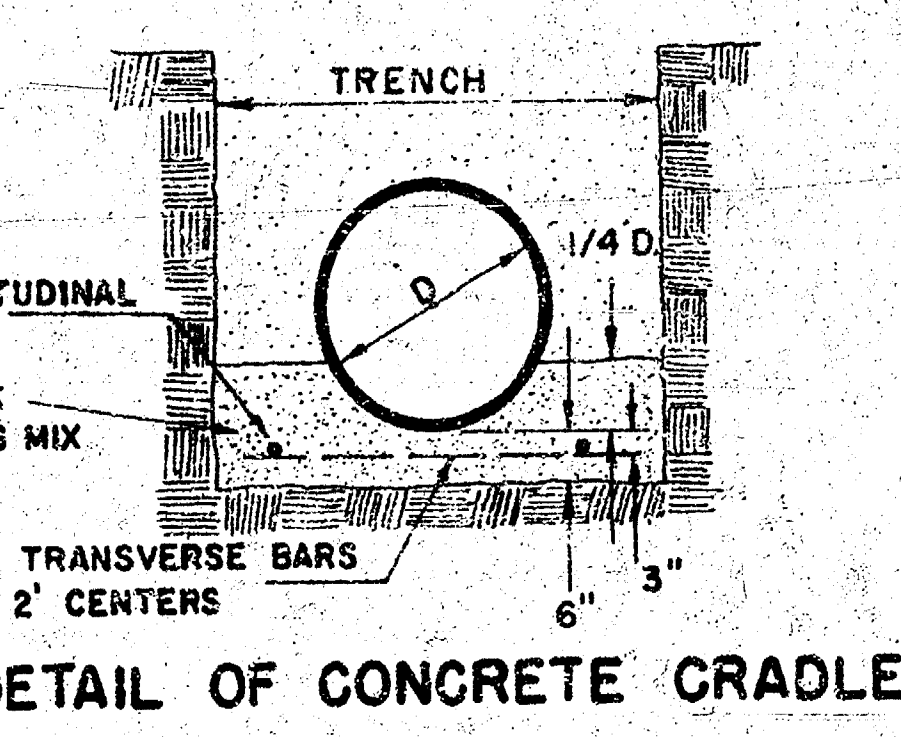
NOTE: CONCRETE ENCASMENT AND CONCRETE CRADLE SHALL BEGIN AND END AT A JOINT WHEN CLAY PIPE IS USED.

GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 9 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
- MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5' DIAMETER.
- FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.
- PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE. CRADLE SHALL EXTEND TO FIRST JOINT OUTSIDE OF MANHOLE WHEN CLAY PIPE IS USED.

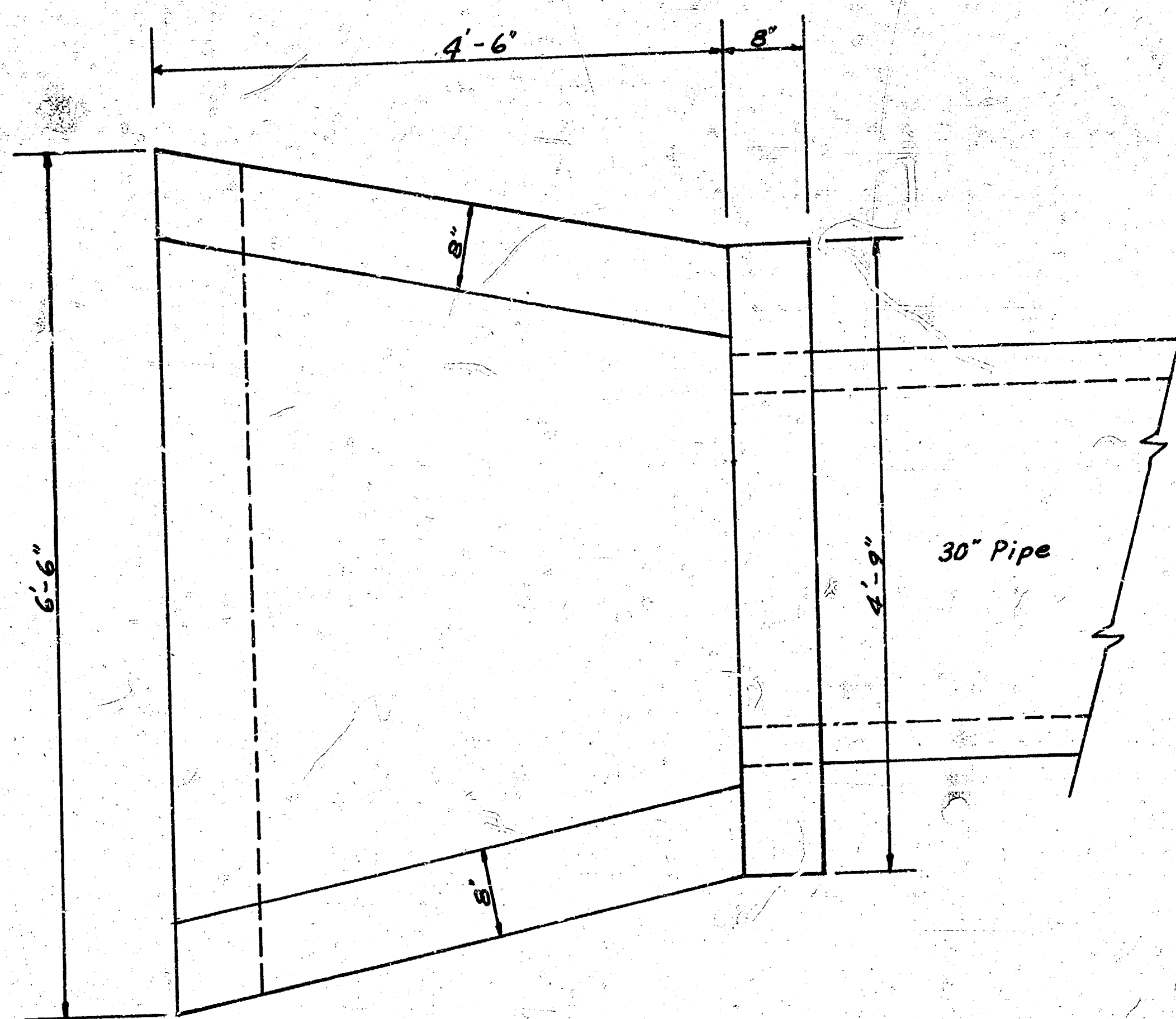


OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.

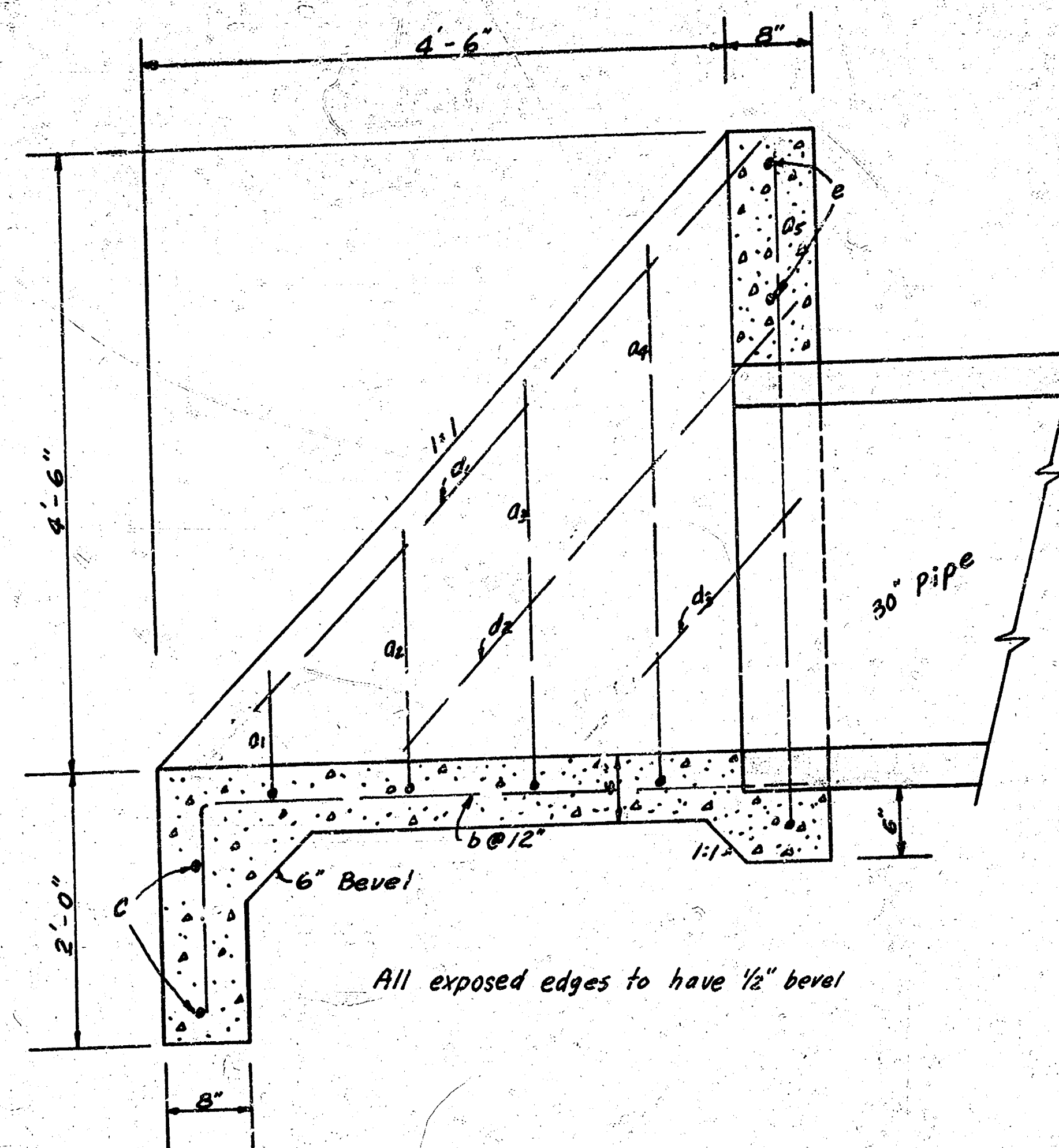


REVISED 4-13-77

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974



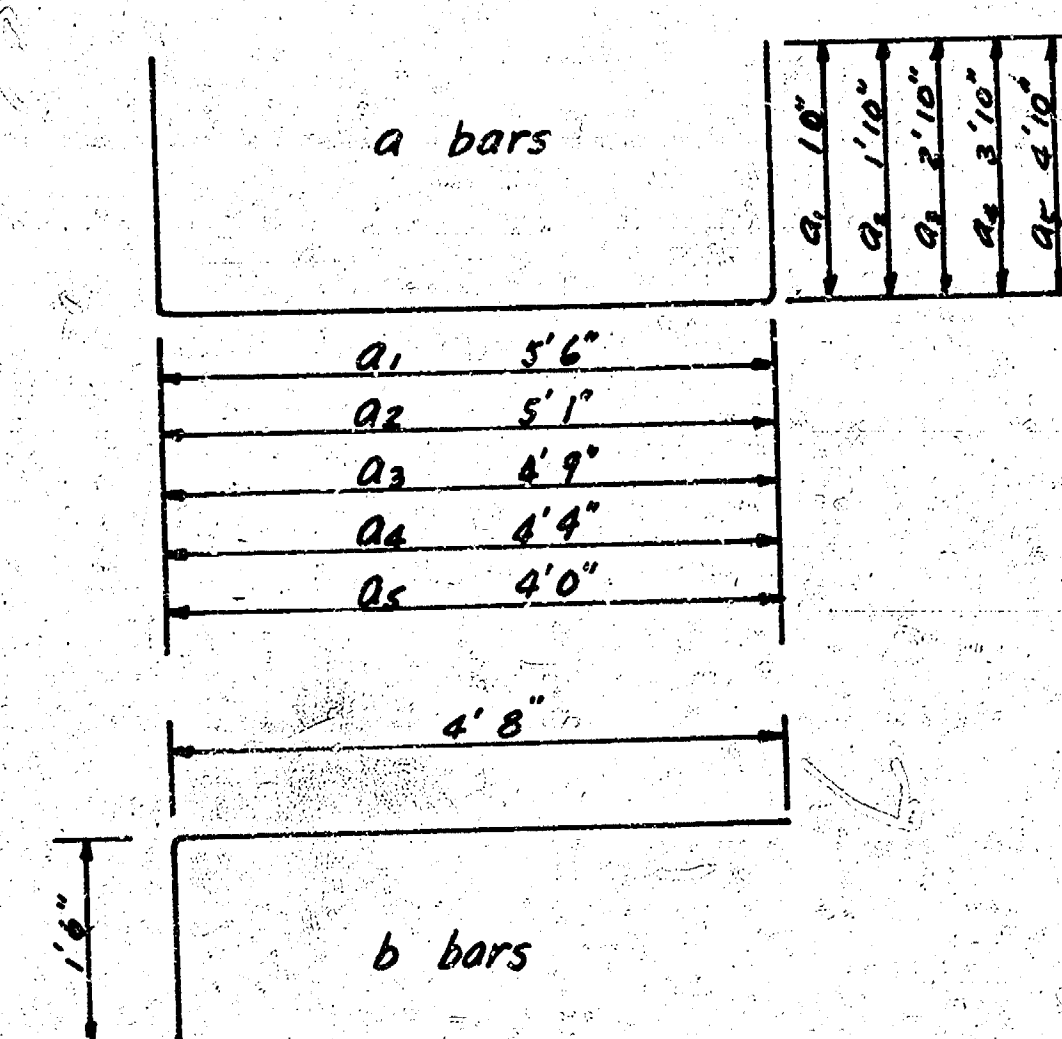
PLAN
Scale: 1" = 1'



SECTION
Scale: 1" = 1'

TABLE OF QUANTITIES				
BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a ₁	1	7'2"		4.79
a ₂	1	8'9"		5.85
a ₃	1	10'5"		6.96
a ₄	1	12'0"		8.02
a ₅	1	13'8"		9.13
b	6	6'2"		24.72
c	2	6'0"		8.02
d ₁	2	5'8"		7.57
d ₂	2	4'6"		6.01
d ₃	2	1'9"		2.39
e	2	4'5"		5.90
Total Rebar, lbs				8931
Concrete, CY				1.64

All Rebars to be #4



DETAILS OF HEADWALL STRUCTURE
CITY OF WICHITA, KANSAS
DRAINAGE IN CONNECTION WITH PAVING HARRY STREET