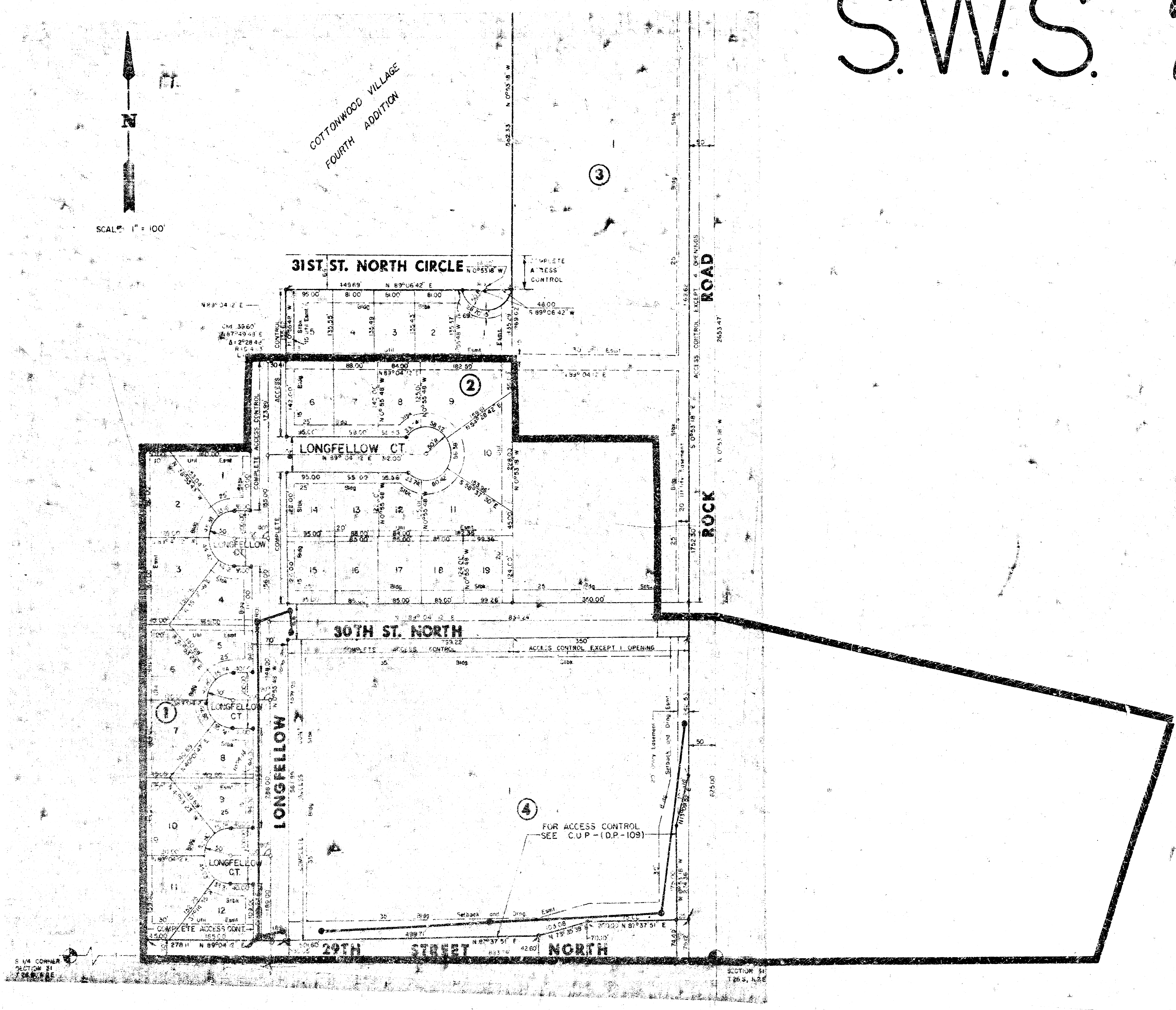


S.W.S. 242

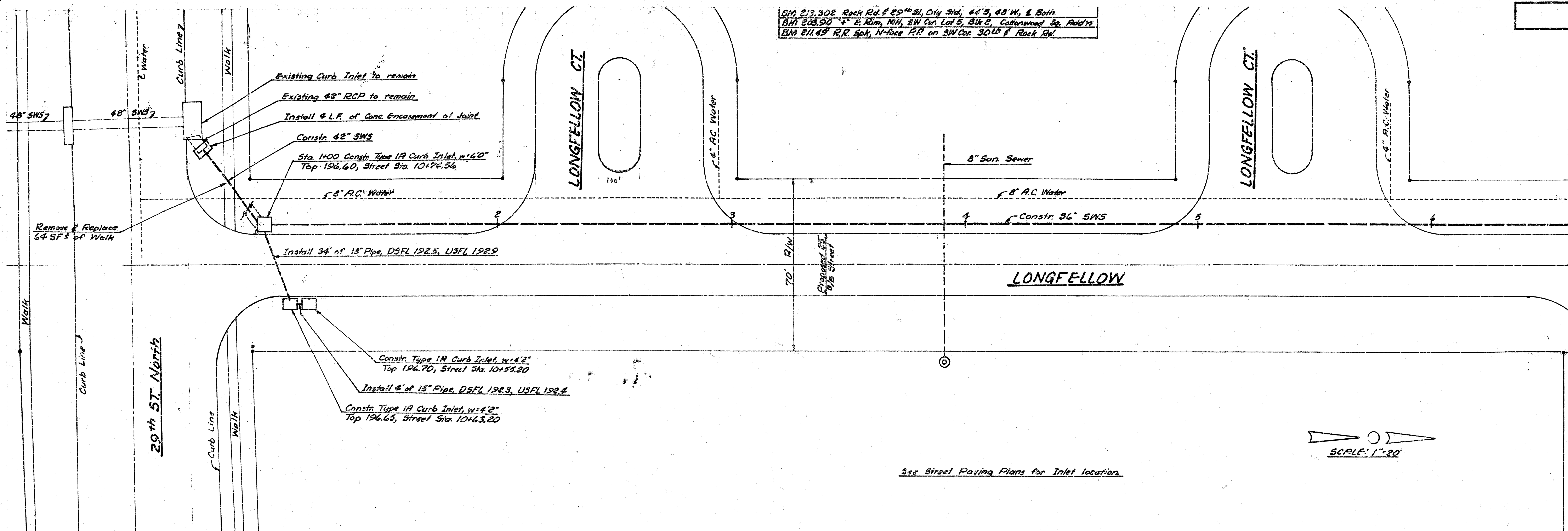


THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE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

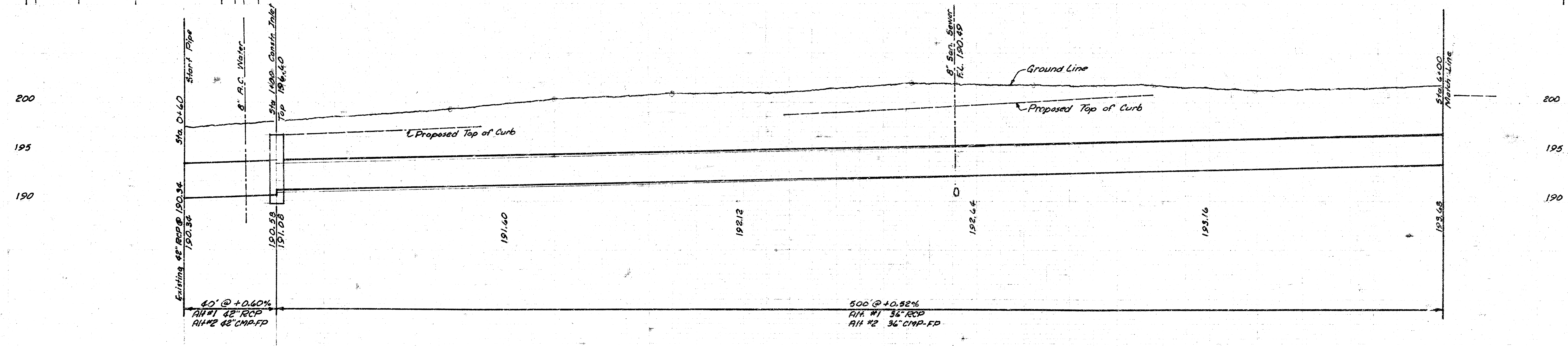
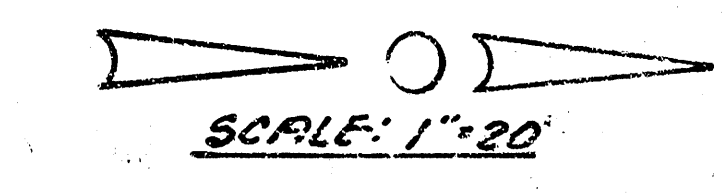
PROJECT DESCRIPTION	
S.W.S. 242	
PROJECT NUMBER 448-76-245-81196-2-10-000-001	
BOOK NO. MG-32	APPROVED BY DATE 9-82
DRAWN BY WSK	REVISED 1/8
CITY OF WICHITA DEPARTMENT OF ENGINEERING	
DIRECTOR OF ENG/CITY ENGINEER R. W. BRUGEMAN	
Sheet 1 of 8	

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81F4
10-20
3-1-78
WFLC
10-1-80

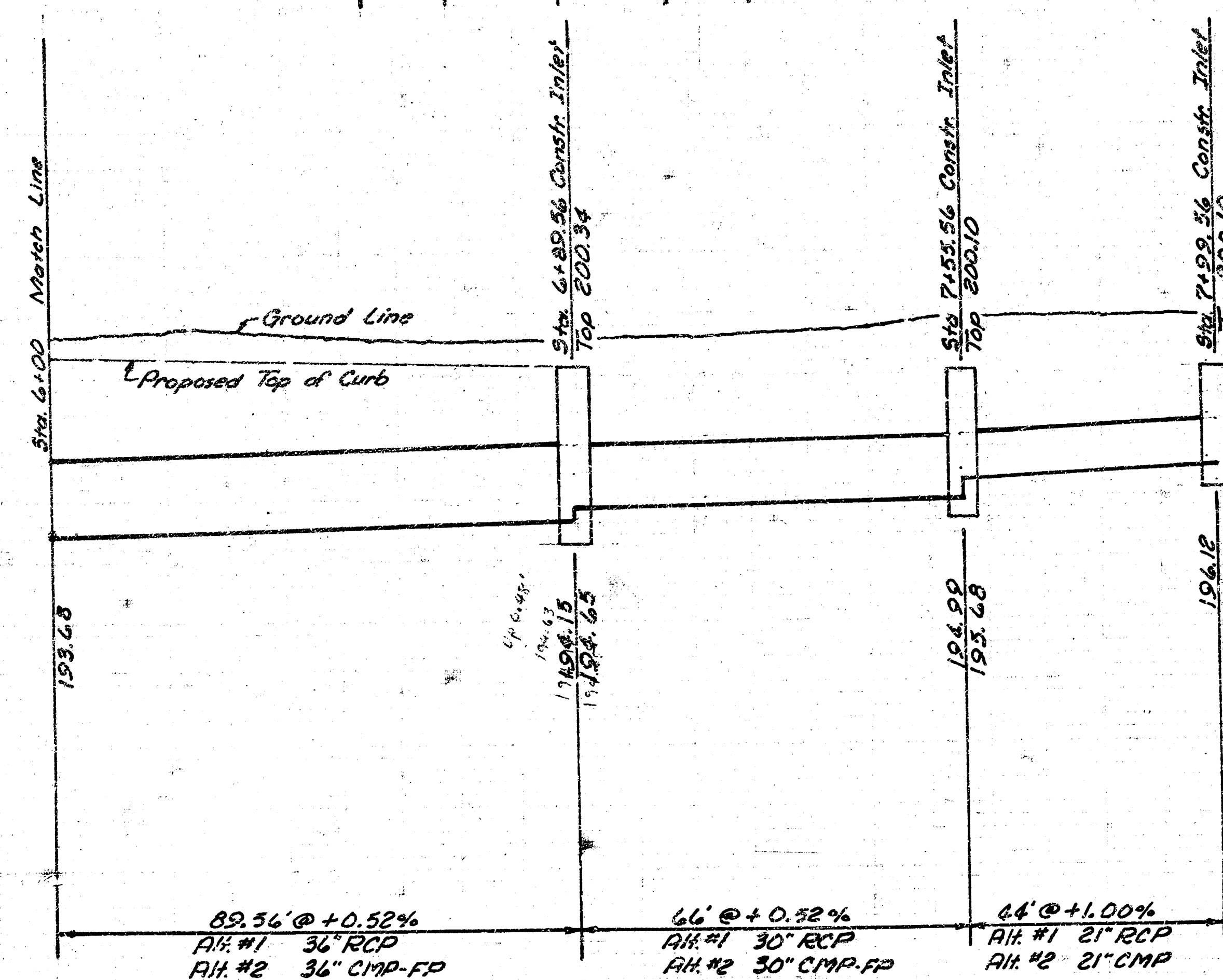
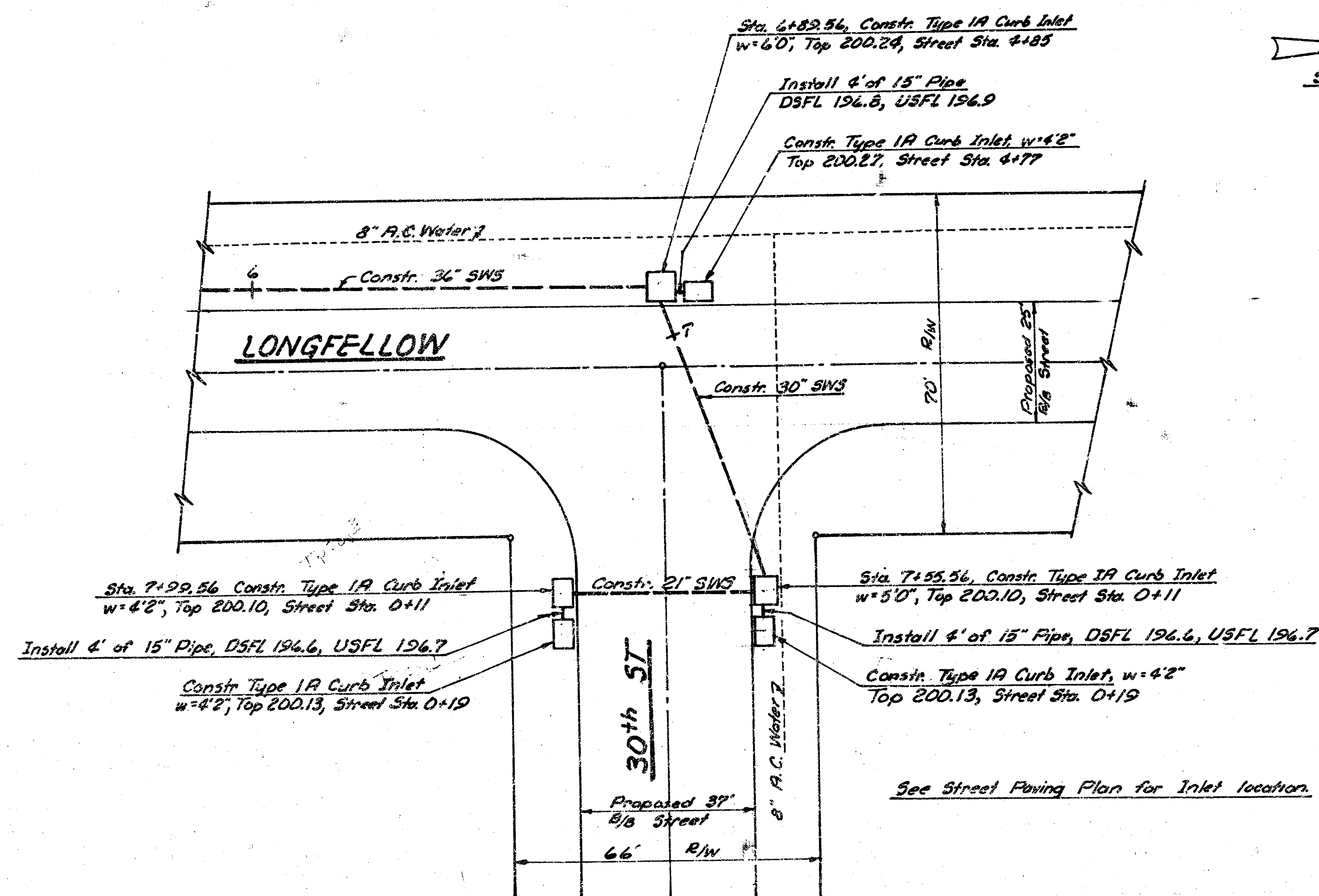
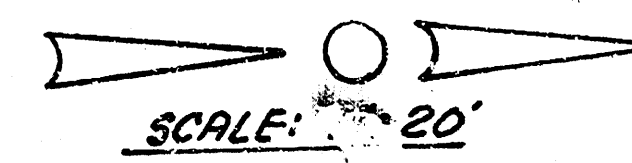


See Street Paving Plans for Inlet location



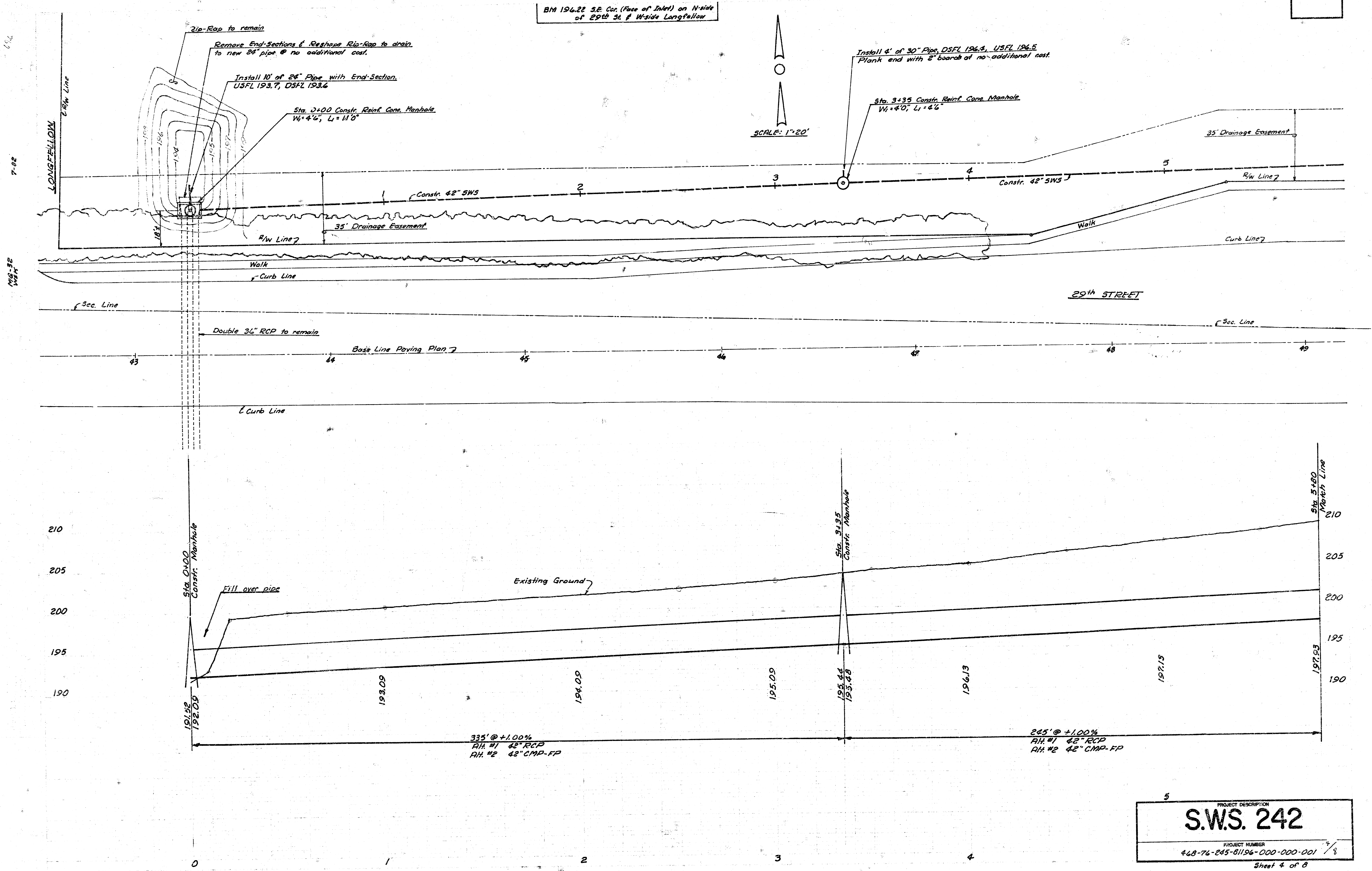
PROJECT DESCRIPTION
S.W.S. 242
PROJECT NUMBER
468-76-245-81156-000-001
Sheet 2 of 8

BM See Sheet 2



PROJECT DESCRIPTION	
S.W.S. 242	
PROJECT NUMBER	
468-76-245-81196-000-000-001	3/8
Sheet 3 of 8	

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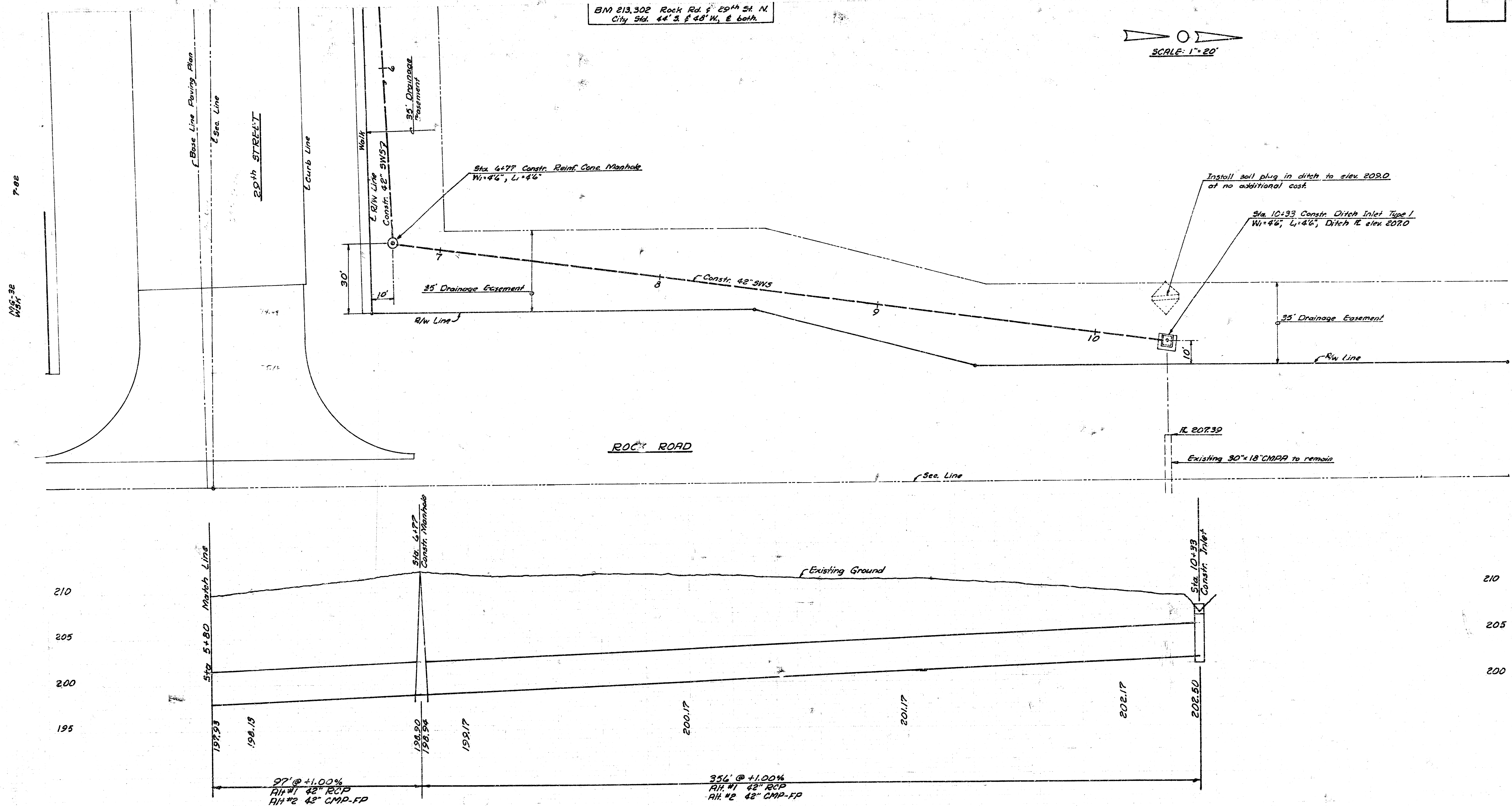
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S.W.S. 242

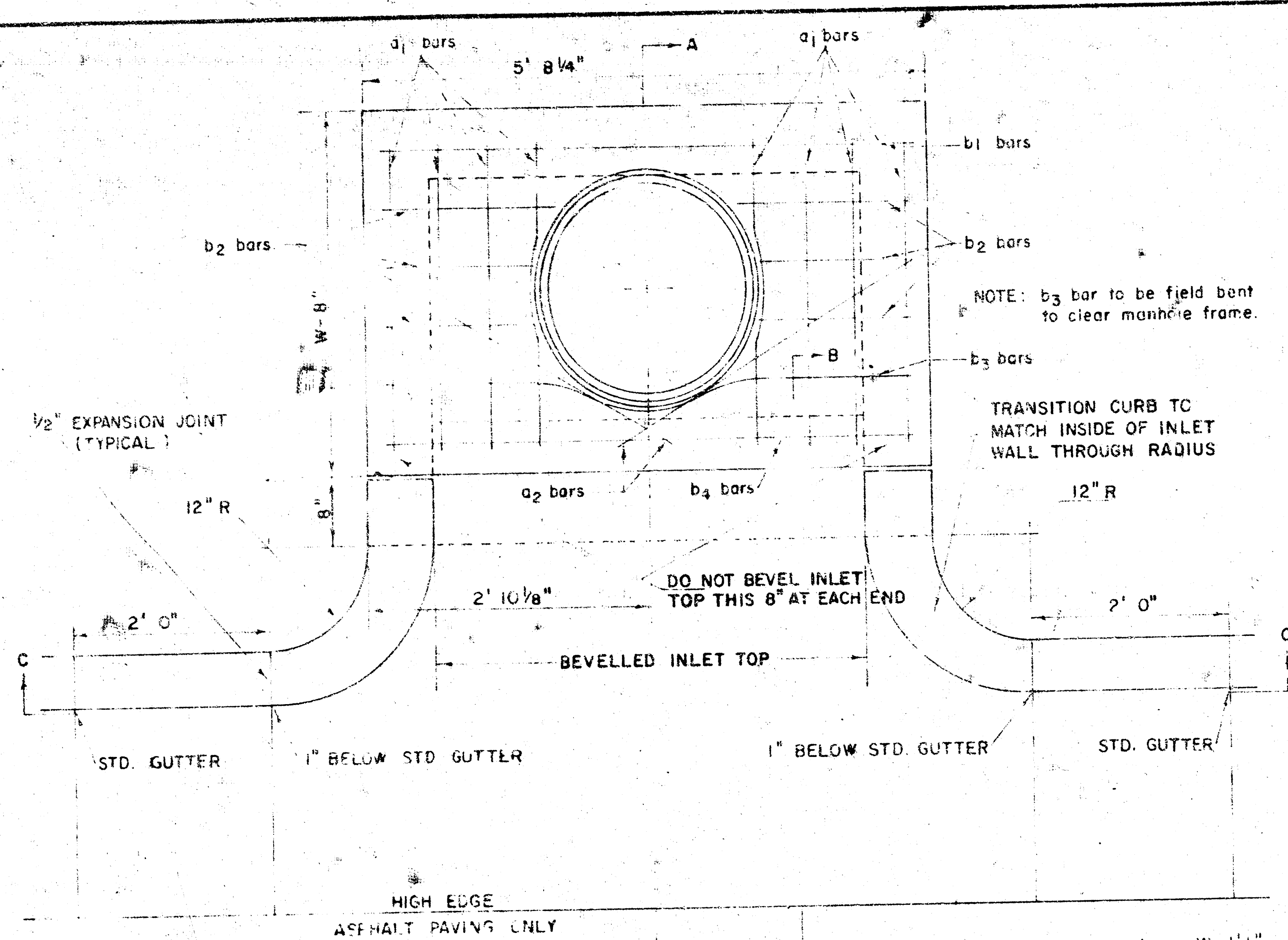
PROJECT NUMBER

468-76-245-81196-000-000-001 4/8

Sheet 4 of 8



PROJECT DESCRIPTION	
S.W.S. 242	
PROJECT NUMBER	
448-76-245-81196-000-001 5/8	
Sheet 5 of 8	



PLAN (SCALE 1" = 1' 0")

STEEL SCHEDULE

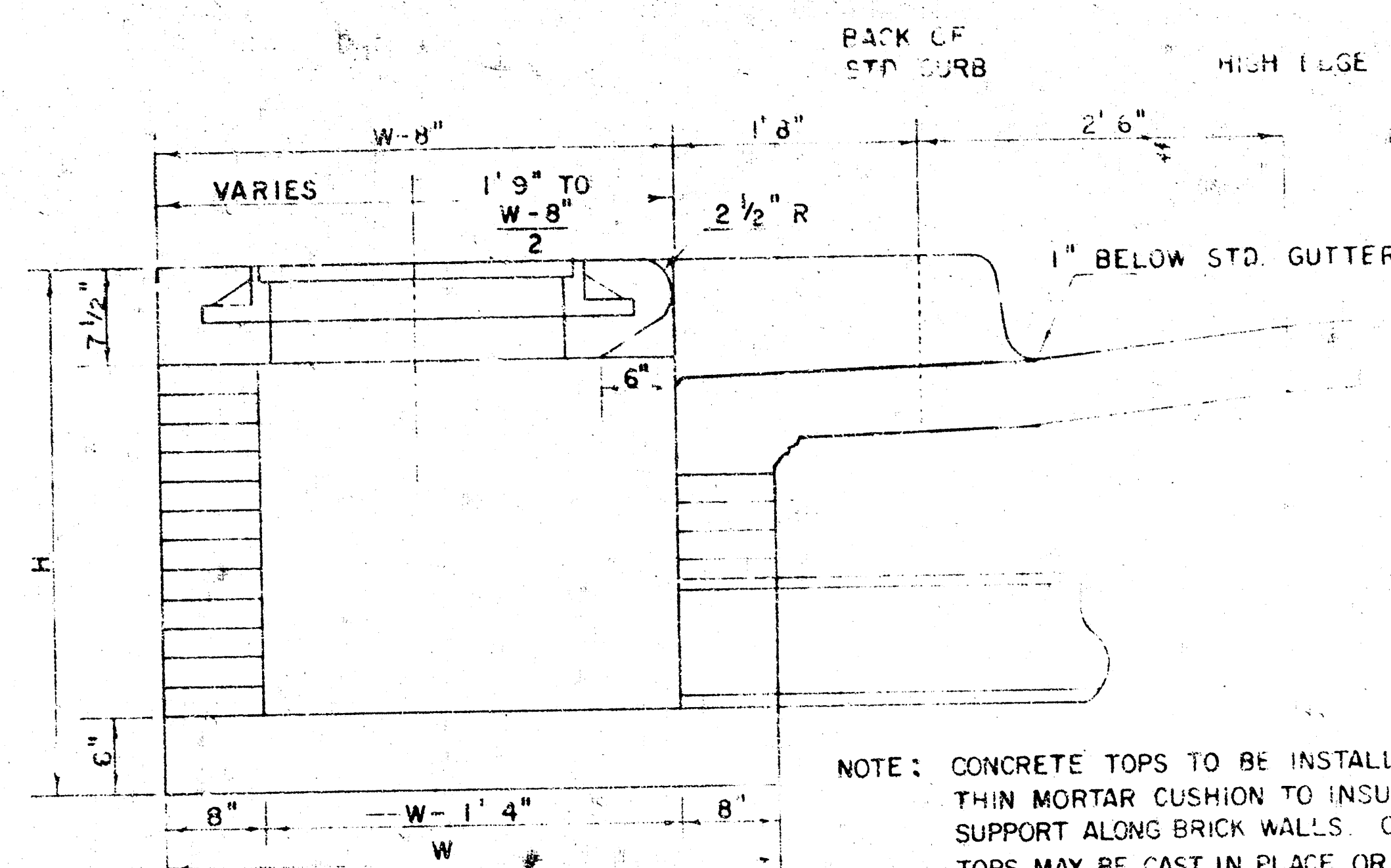
BAR NUMBER	a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	WT. LBS.
1	8	2	1	3	5	7	9
2	4	2	1	3	5	7	9
3	4	2	1	3	5	7	9
4	4	2	1	3	5	7	9
5	4	2	1	3	5	7	9
6	4	2	1	3	5	7	9
7	4	2	1	3	5	7	9
8	4	2	1	3	5	7	9
9	4	2	1	3	5	7	9
10	4	2	1	3	5	7	9
11	4	2	1	3	5	7	9
12	4	2	1	3	5	7	9

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

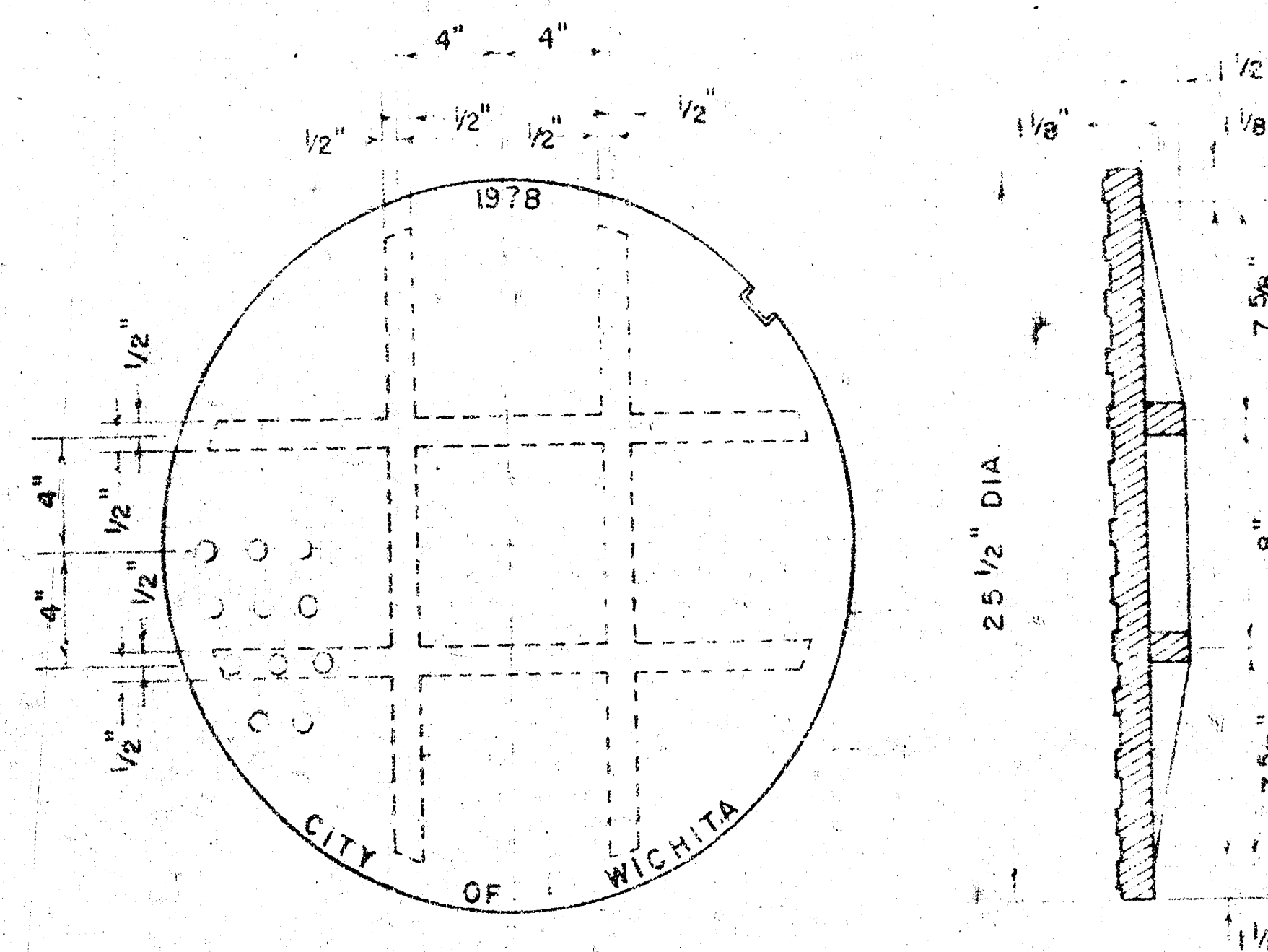
BENDING DIAGRAM

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

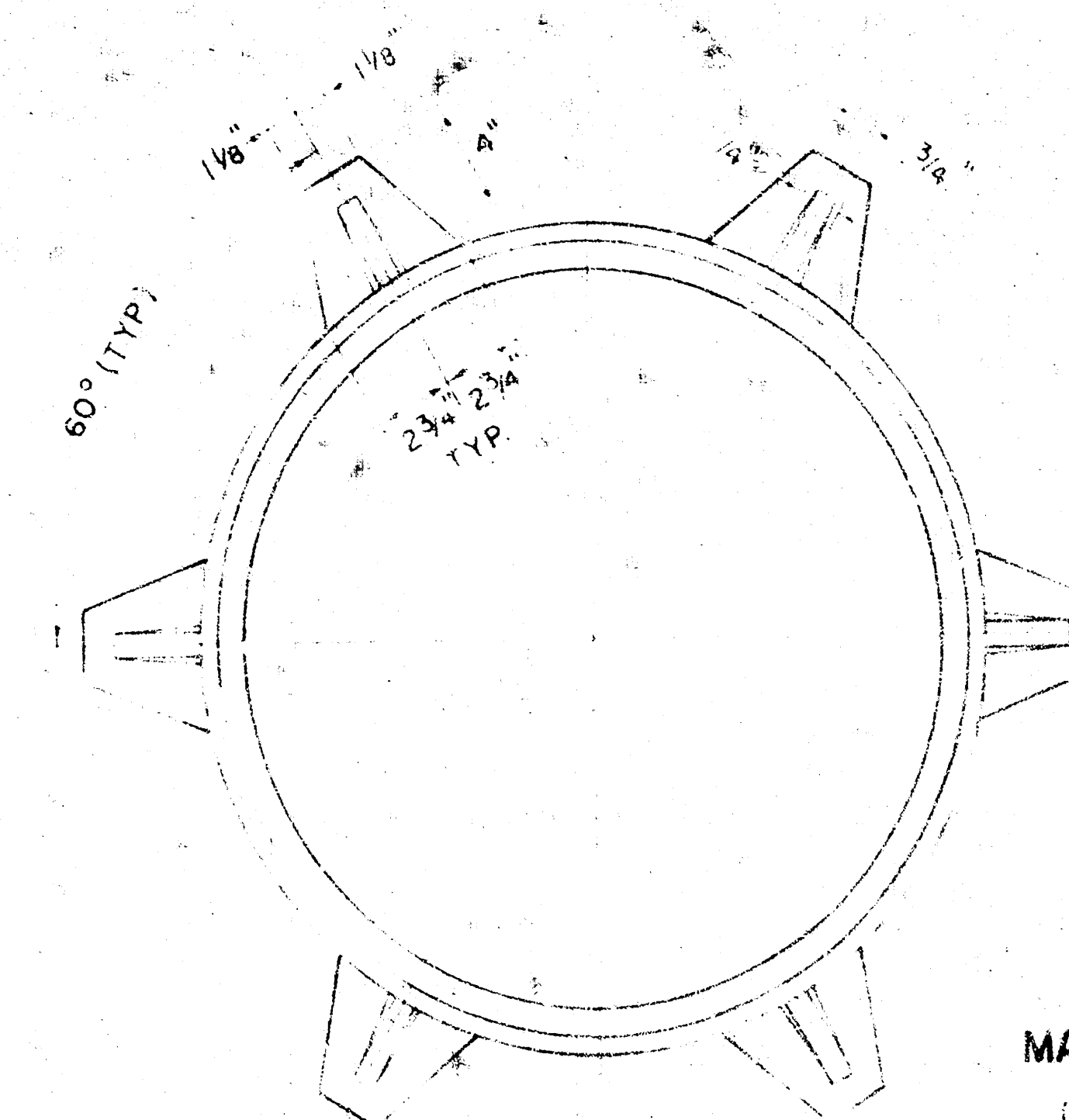
* GROSS VOLUME



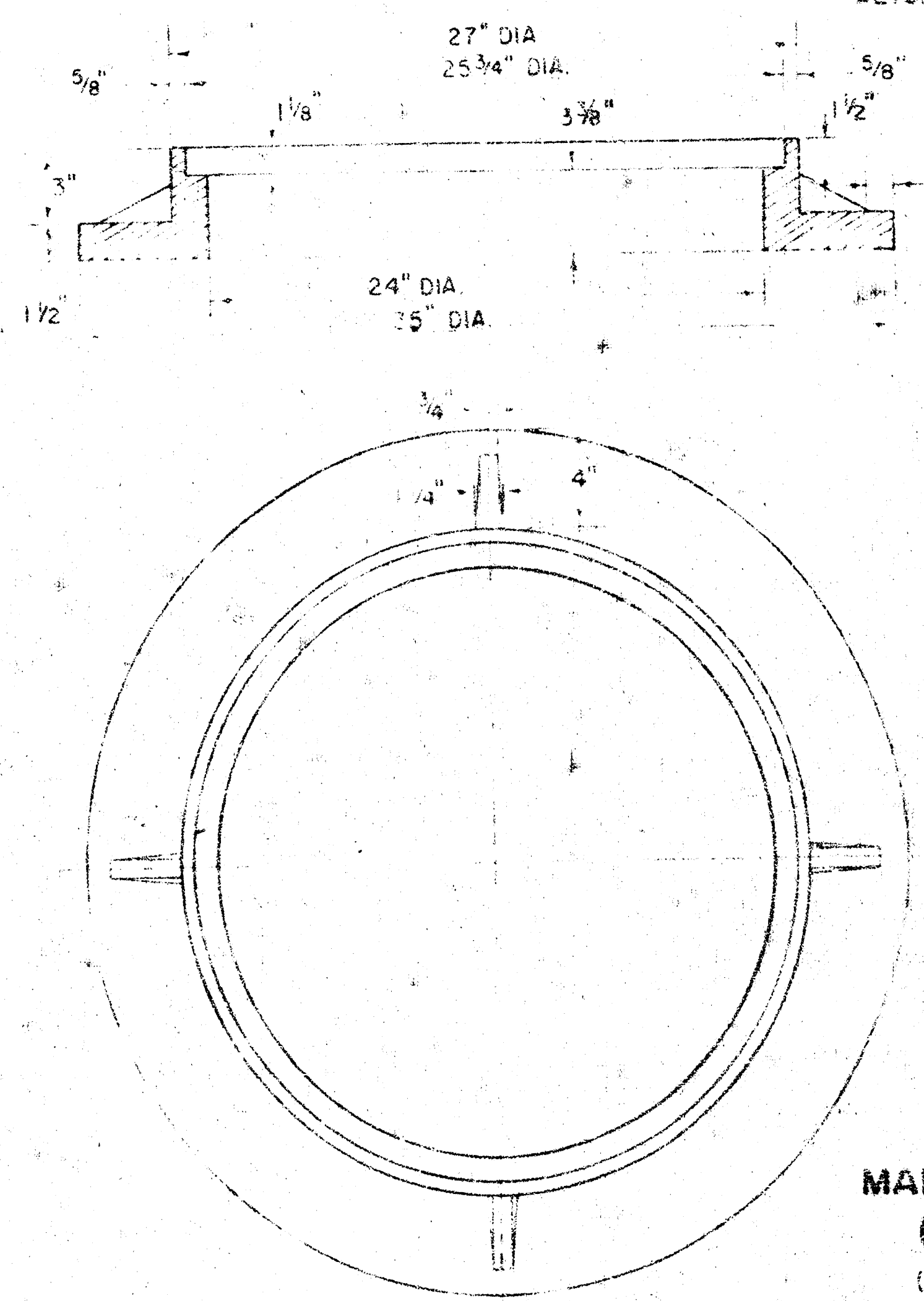
SECTION A-A
(SCALE 1" = 1' 0")



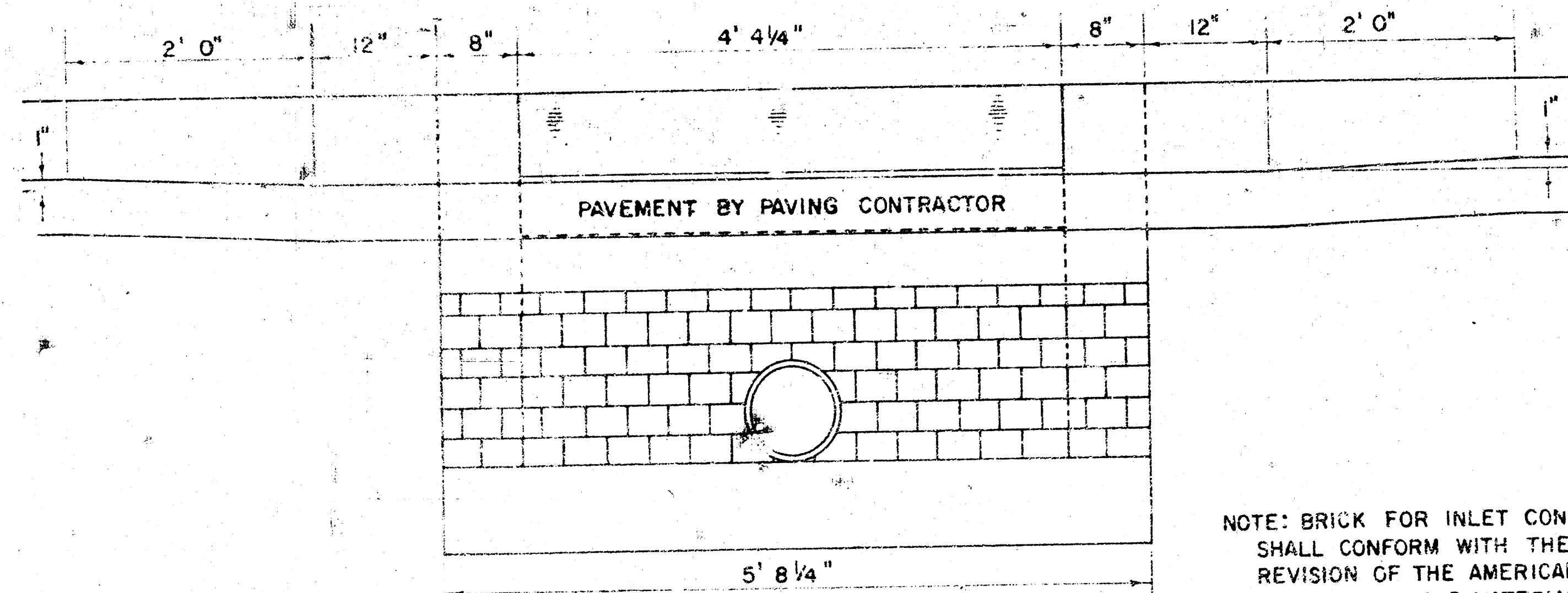
MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



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

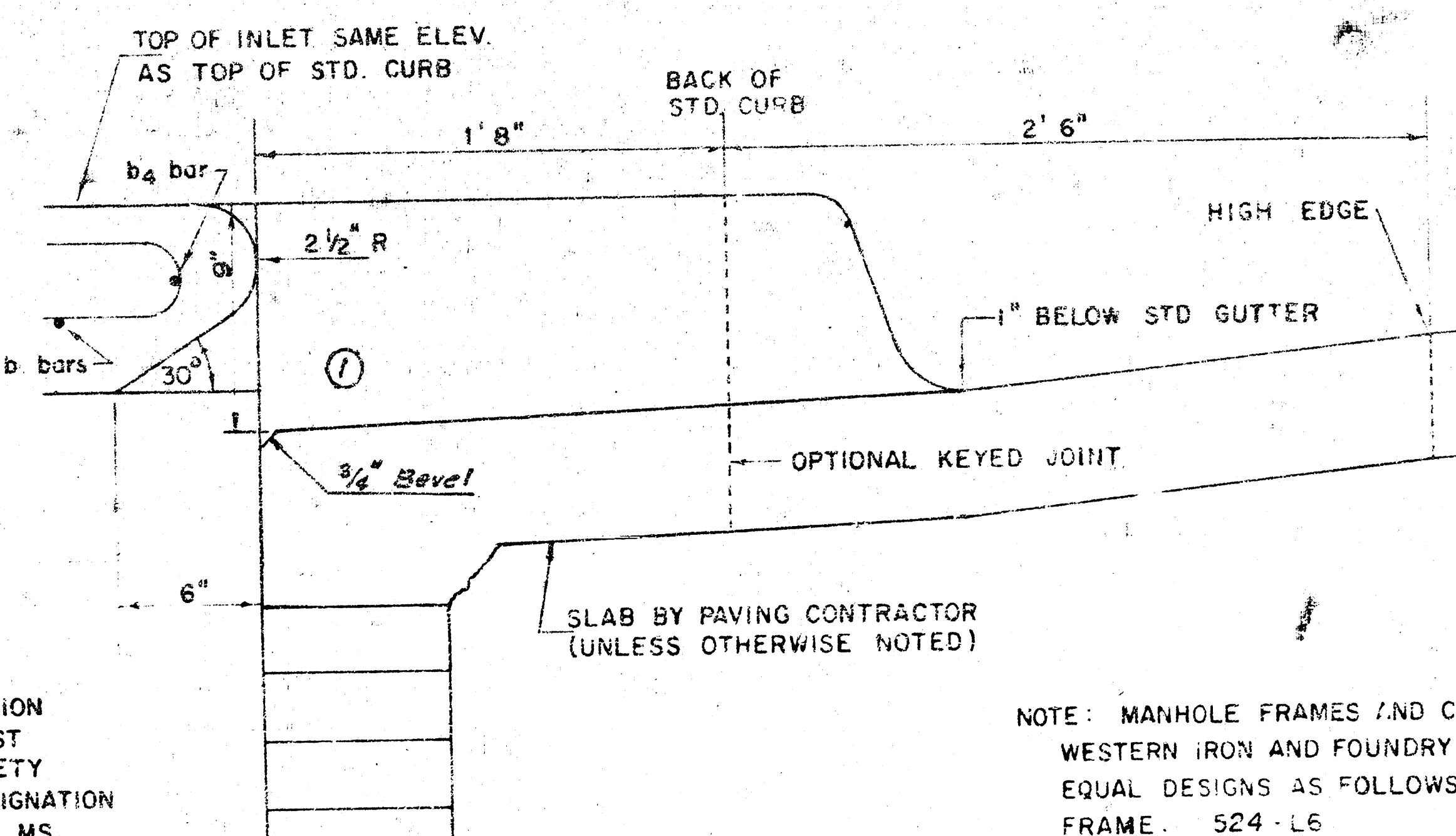


MANHOLE FRAME
(ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.



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

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.



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

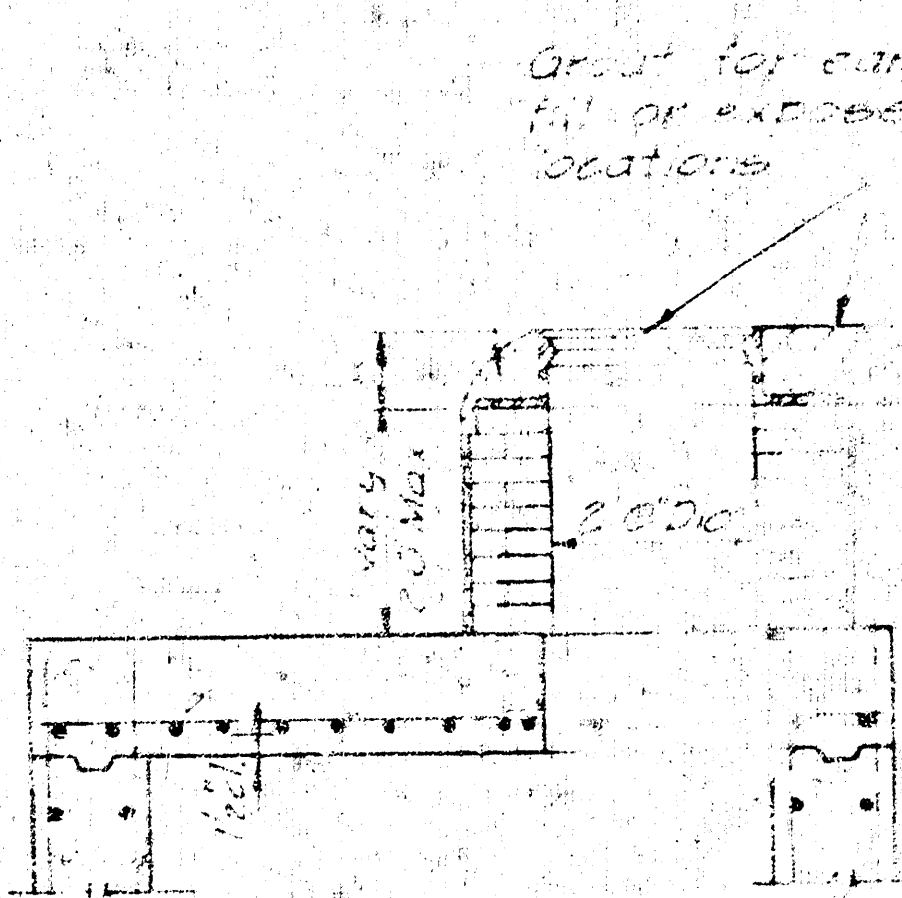
NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 524-L6
FRAME (ALTERNATE): 500A4
COVER: 222 S4 'NOBBY'

S.W.S. 242
DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/
CITY ENGINEER
JUNE, 1981

SANITARY SEWER PIPE THRU MANHOLE

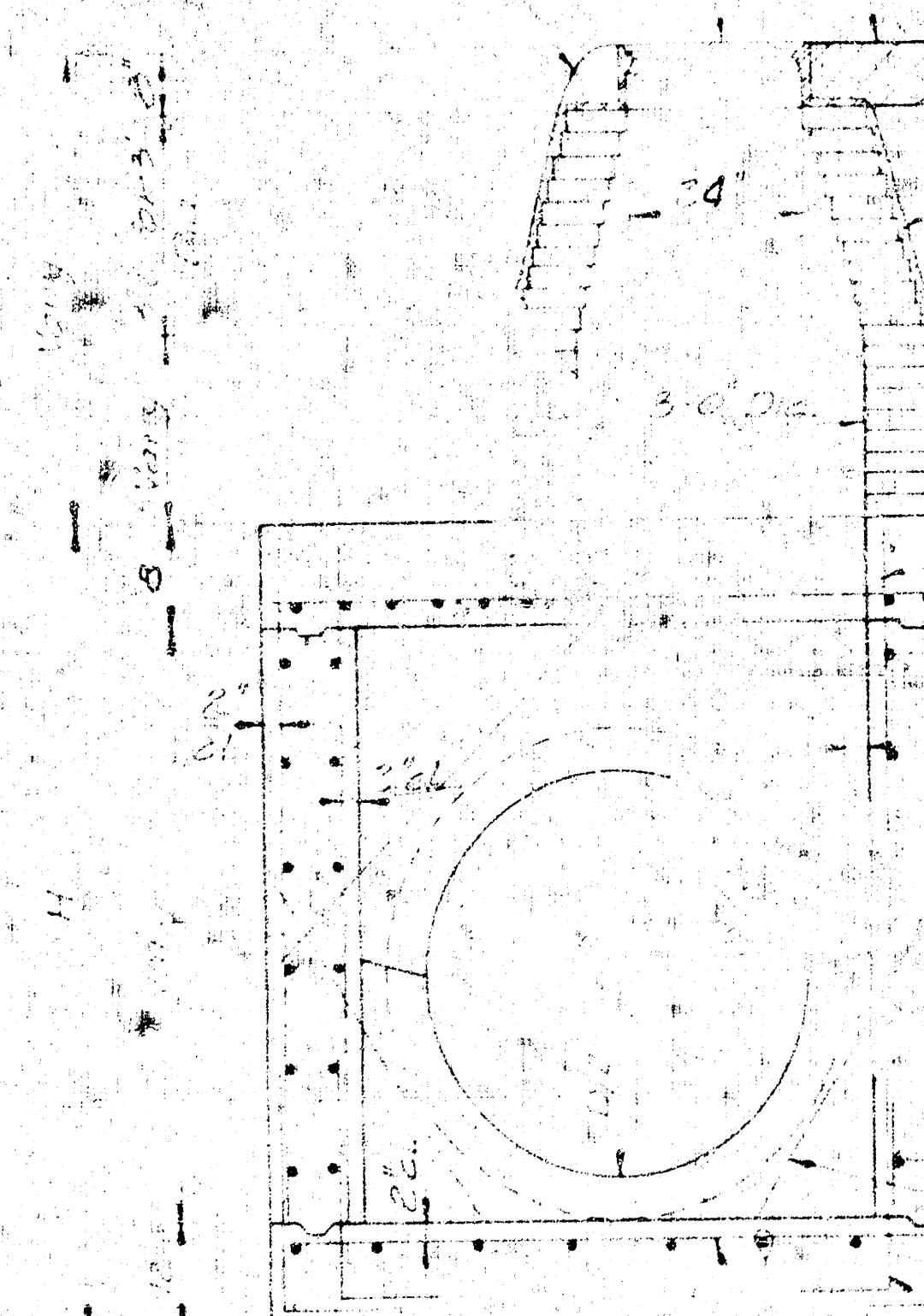
TOP SLAB REINFORCING

TOP SLAB REINFORCING



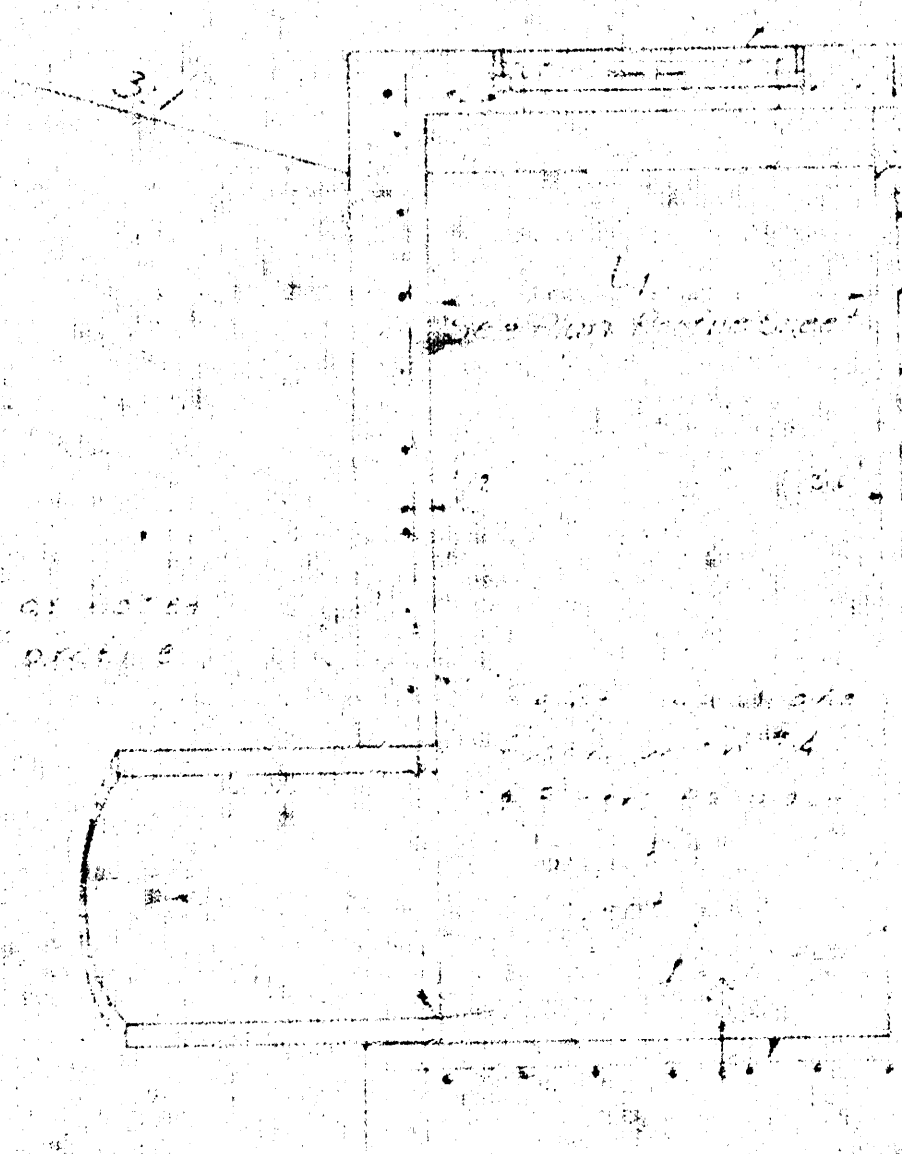
2' DIA. BR. Bottom on 3' extension

REINFORCED CONCRETE MANHOLE



3' DIA. BRICK EXTENSION

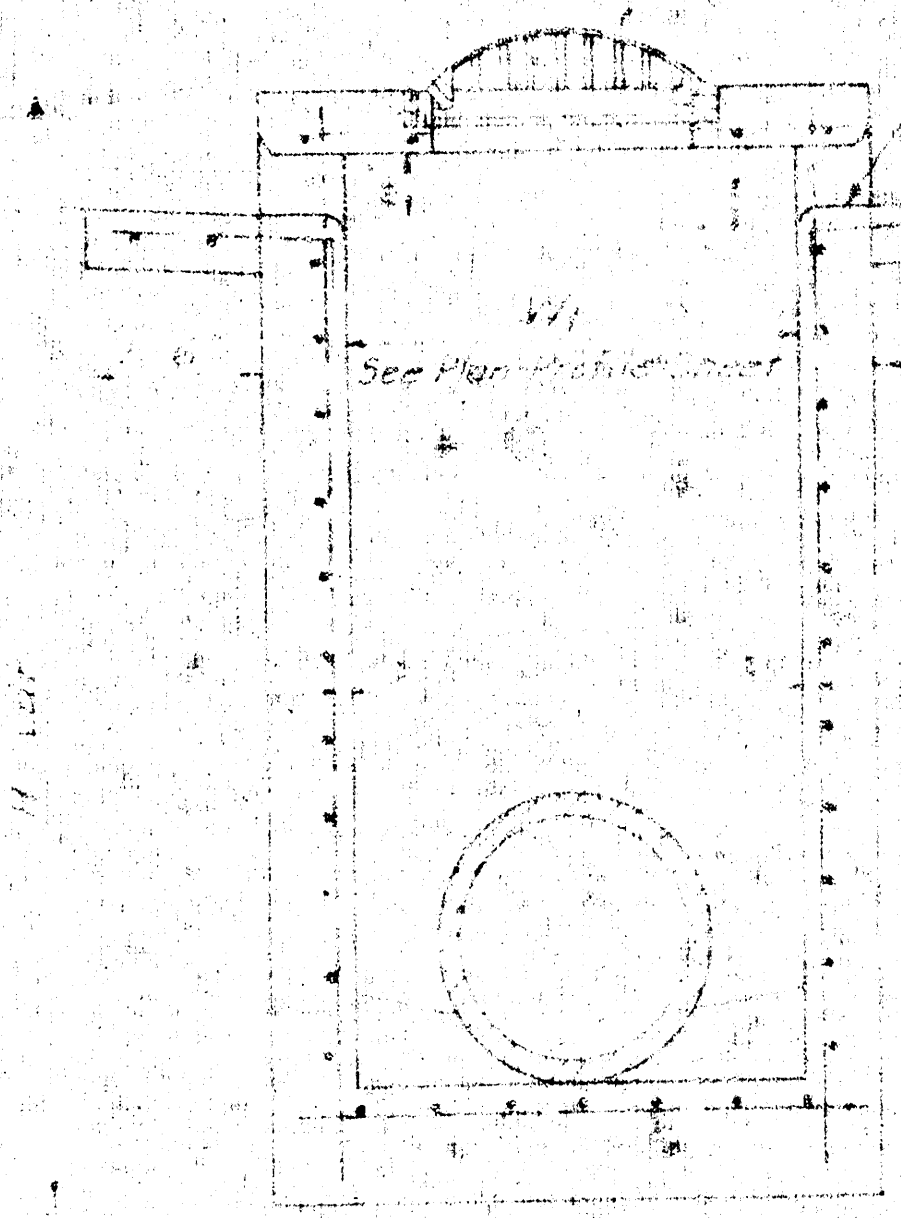
SECTION C-C for DITCH INLET TYPE I-A



SECTION C-C INLET I

DITCH INLET TYPE I

SECTION D-D



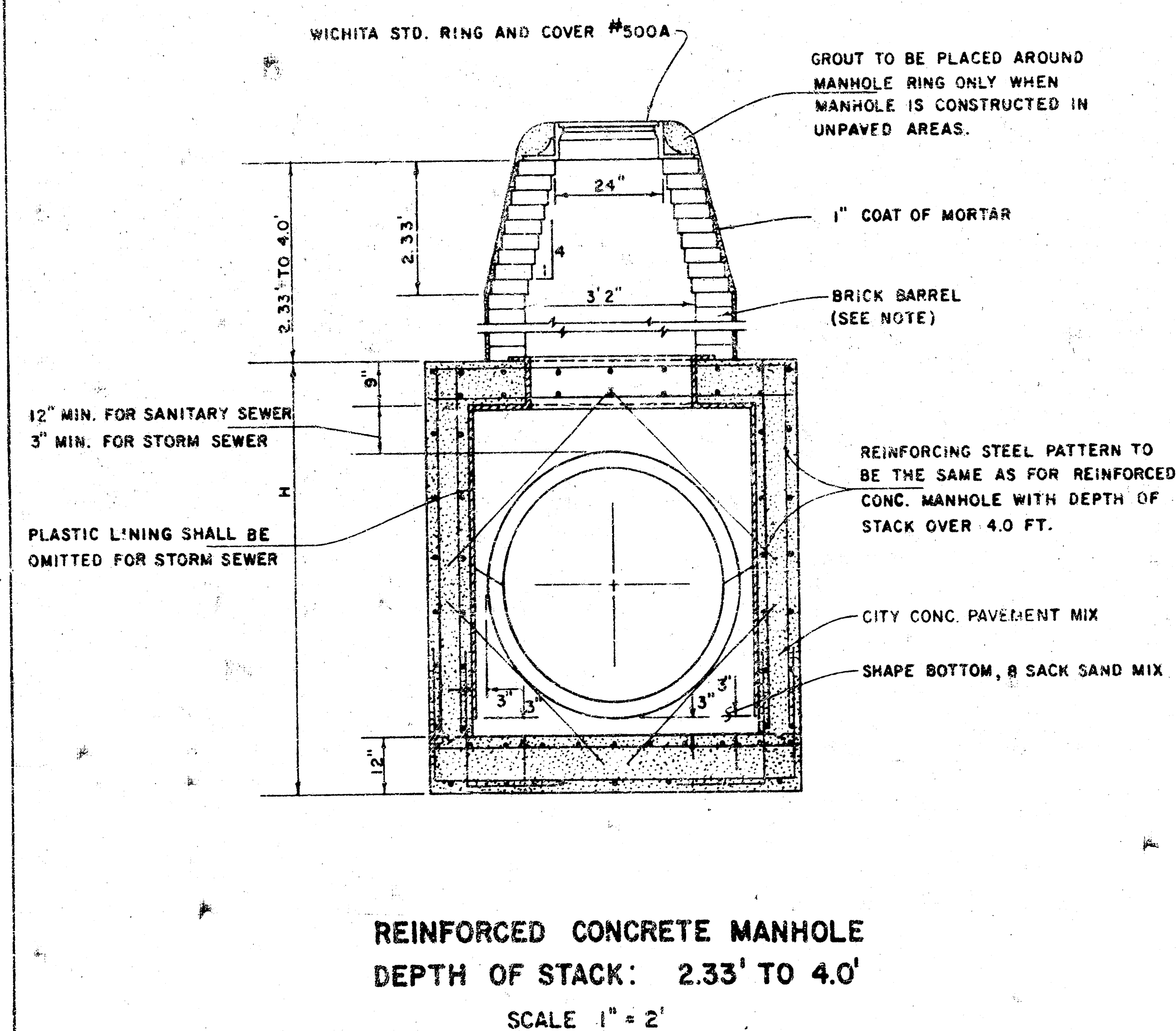
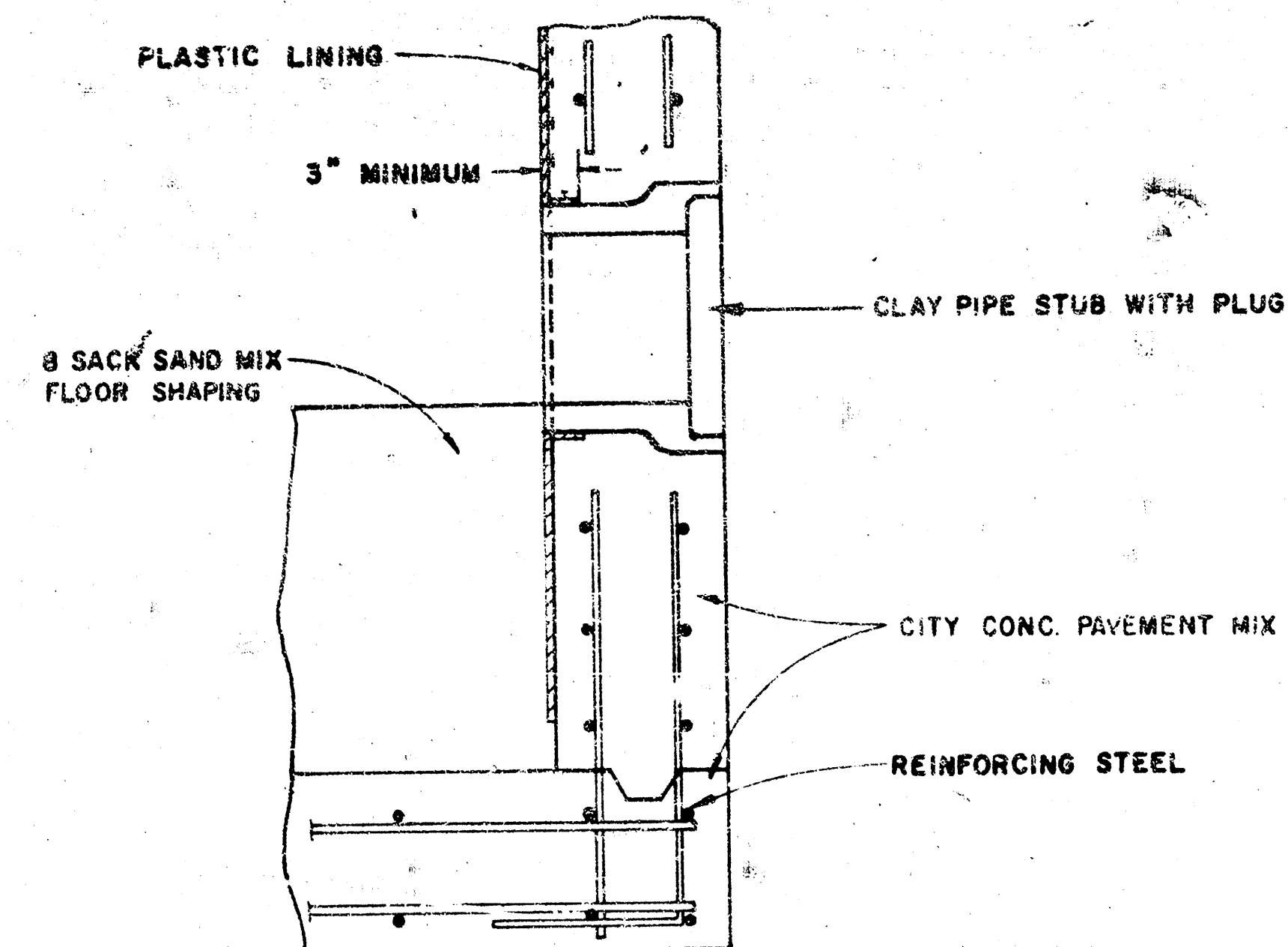
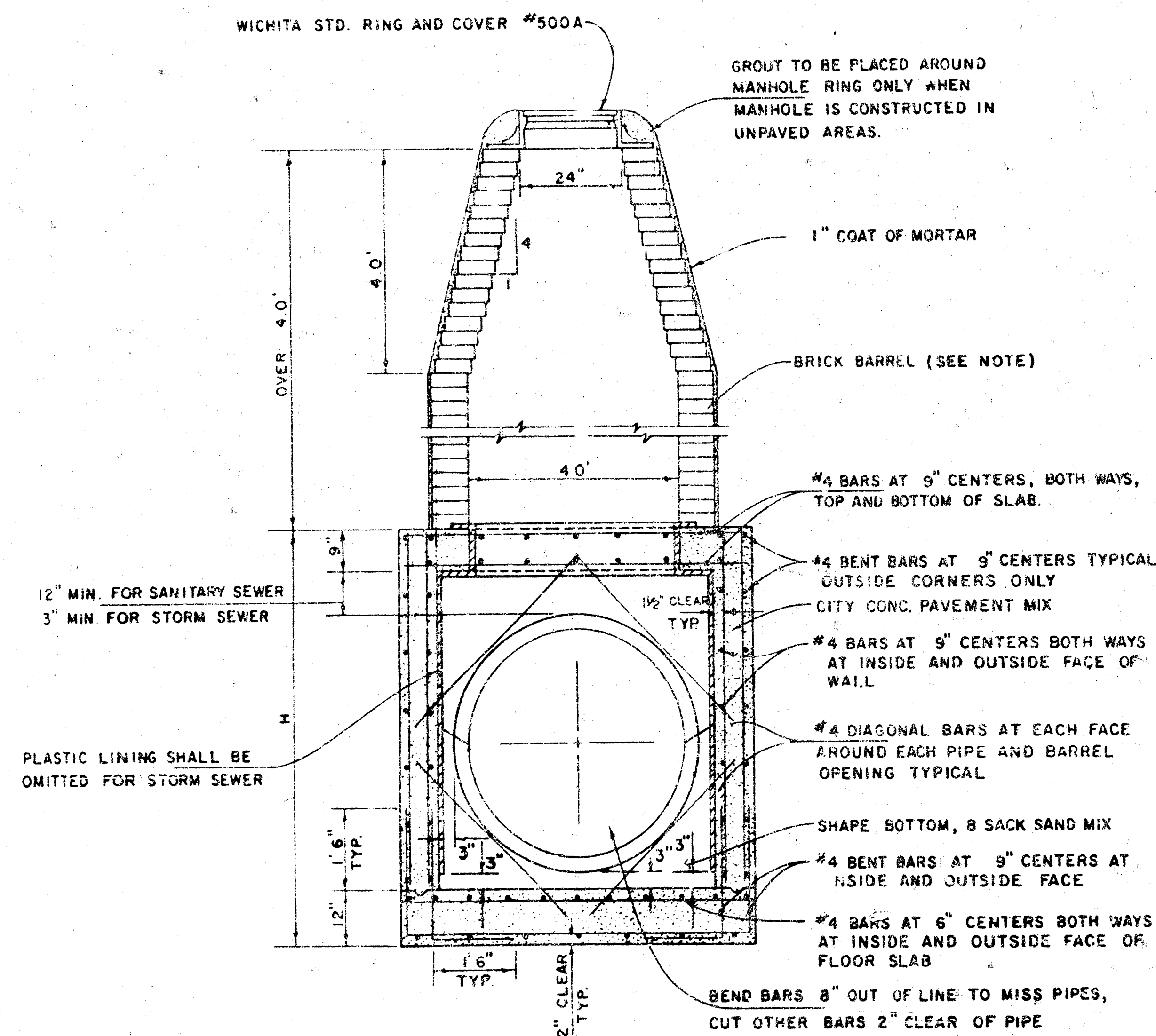
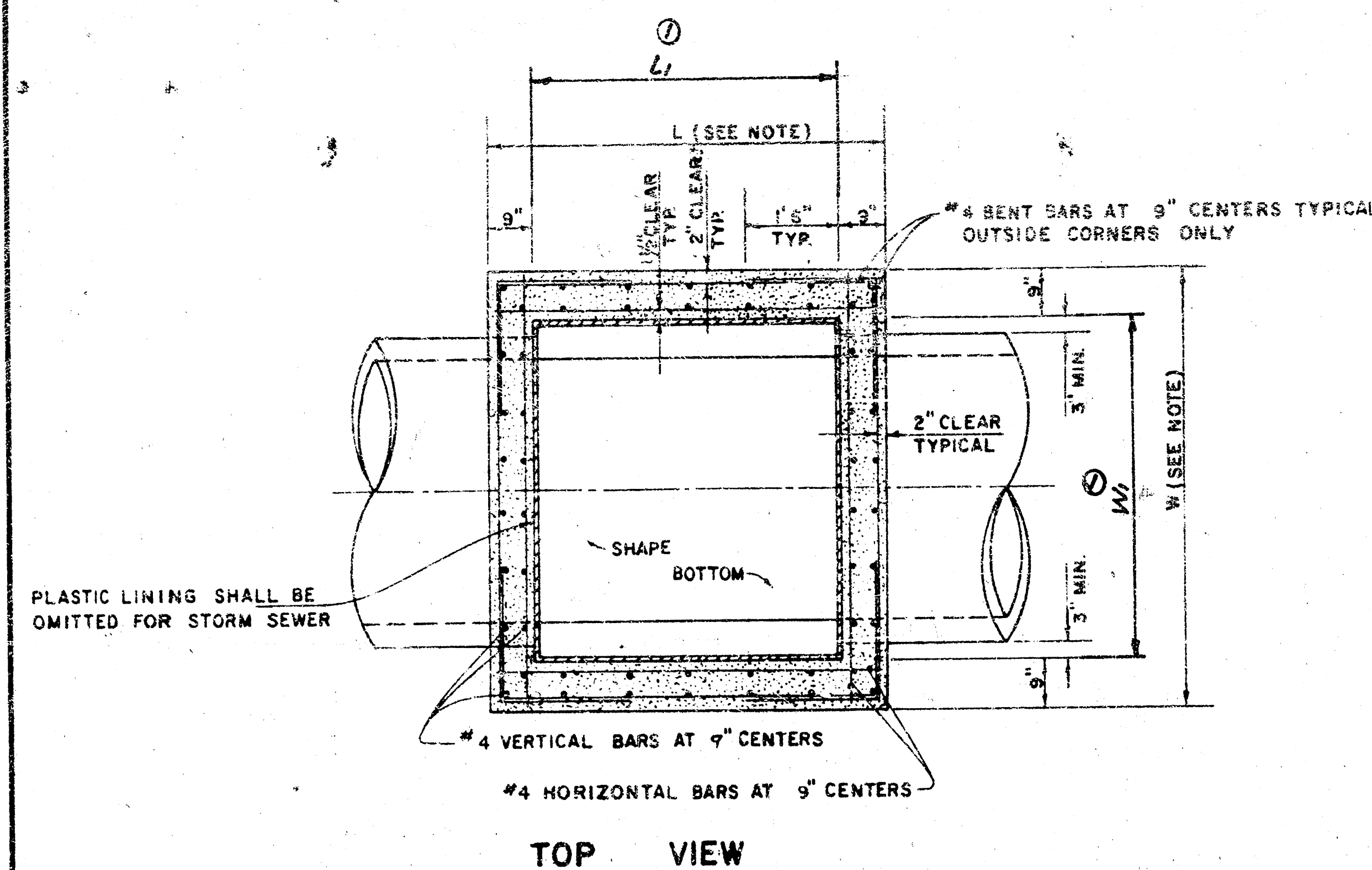
if reinforcement is greater than 2' use 3' extension

DITCH INLET TYPE I-B, I-A AND

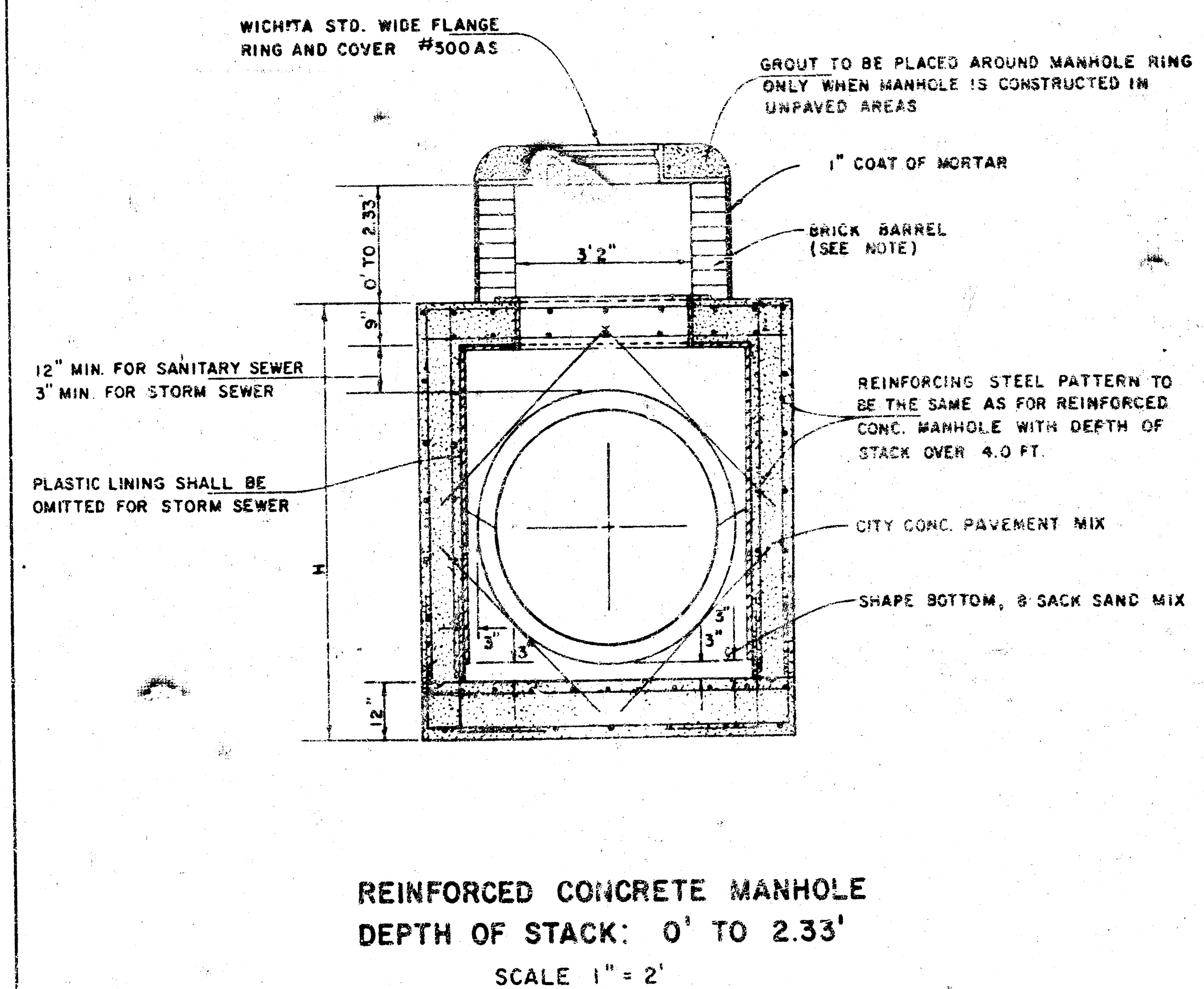
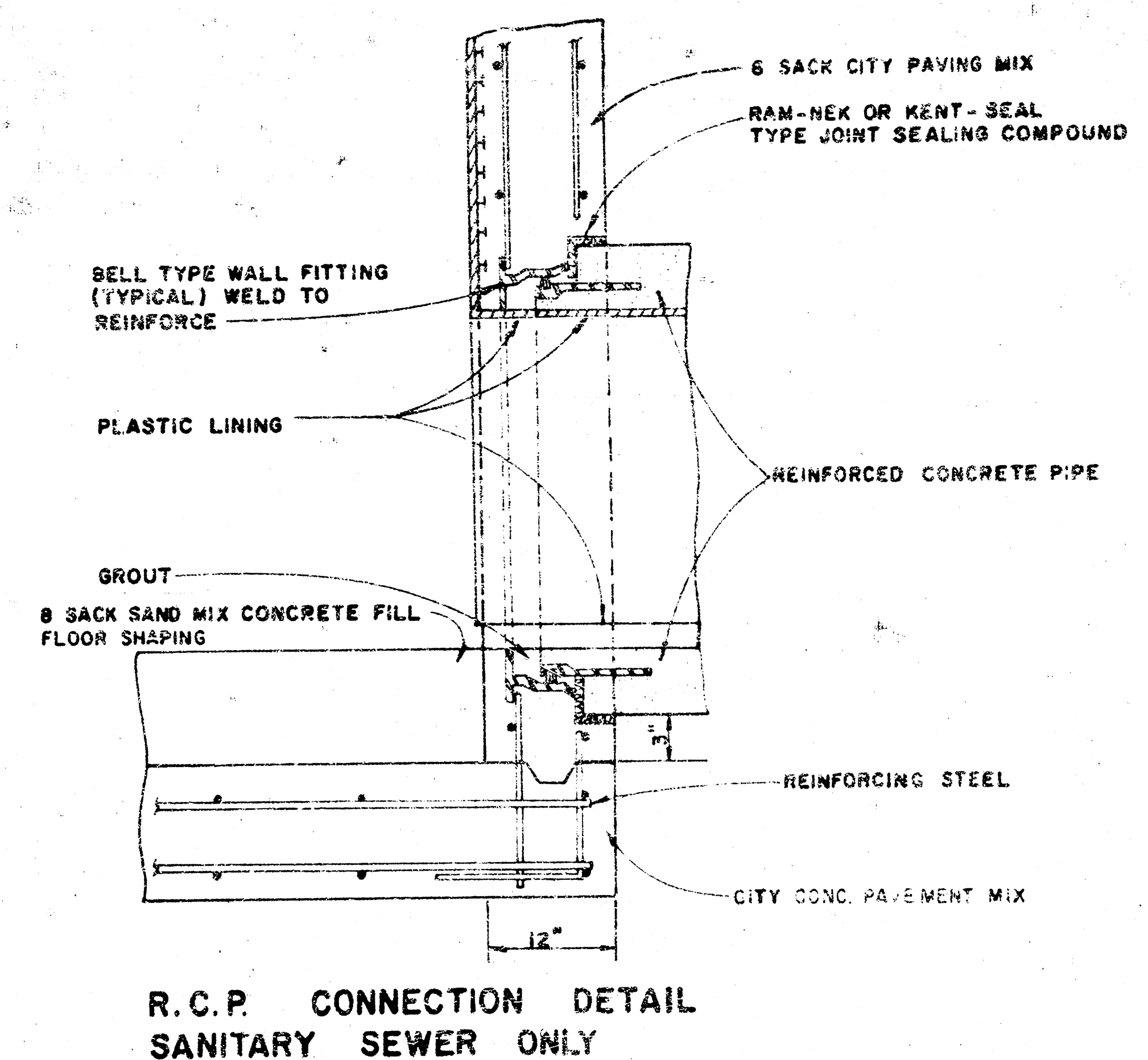
S.W.S. 242

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NOTE :
BRICK BARRELS LESS THEN 16' DEEP SHALL HAVE 8" WALLS EXCEPT WHEN LOCATED WITHIN PUBLIC STREET OR ALLEY PAVEMENT THEN THE WALL SHALL BE 12" BRICK BARRELS MORE THEN 16' DEEP SHALL HAVE 12" WALLS. THE "L" AND "W" DIMENSIONS SHALL BE A MINIMUM OF 5'6" FOR BRICK BARRELS WITH 8" WALLS AND 6'2" FOR BRICK BARRELS WITH 12" WALLS.



SWS 242

STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
CITY OF WICHITA

APRIL 1978 ^①Rev. for *SWS 242* ⁸/₈
REVISED APRIL, 1980

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