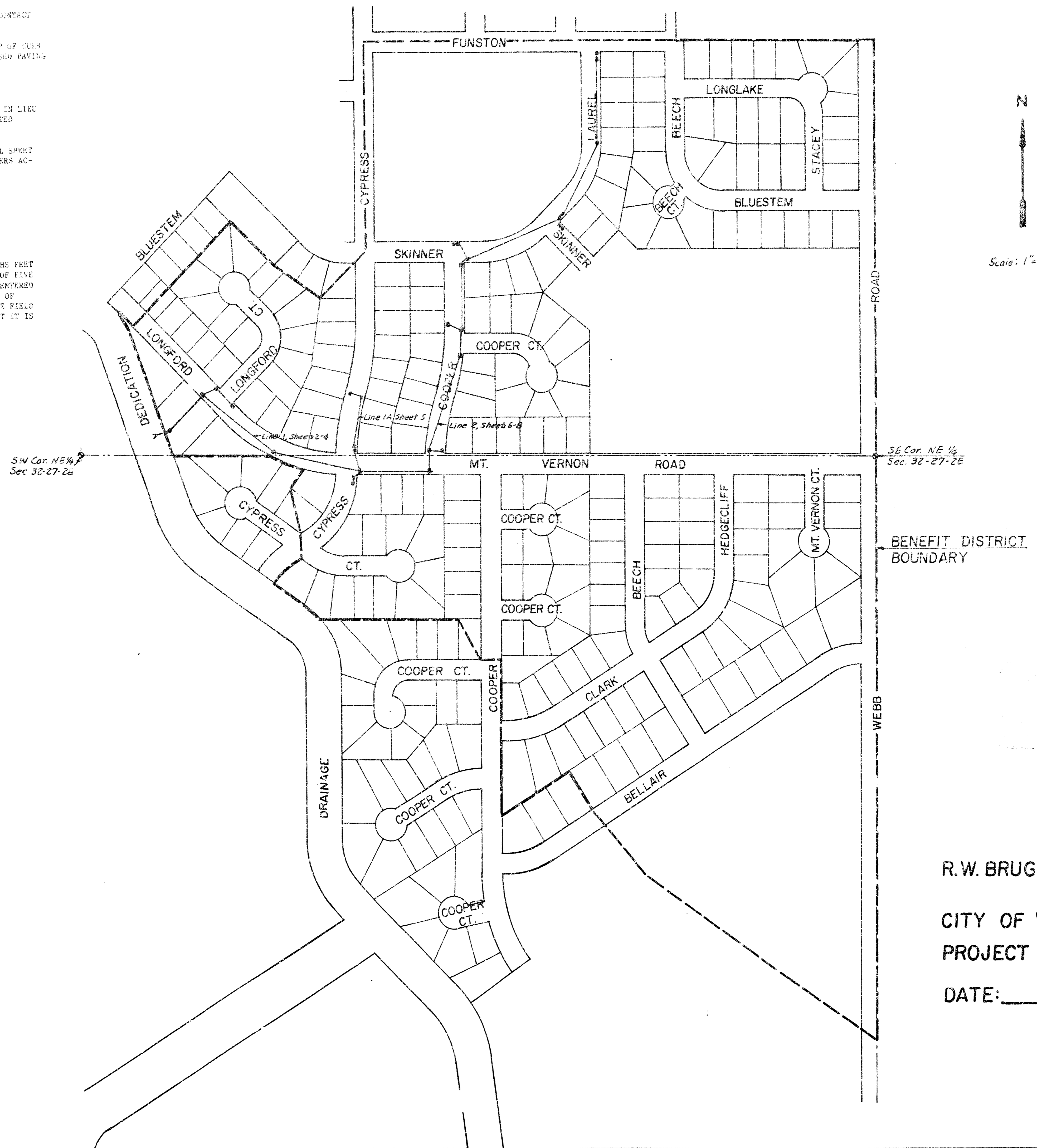


STORM WATER SEWER NO. 205 - PHASE I

- GENERAL NOTES**
- CONTRACTOR SHALL COORDINATE WORK WITH PHYSICAL AND SANITARY CONTRACTORS, AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT.
 - THE TOPS OF INLETS AS SHOWN ON THIS PLAN MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS WITH REFERENCE TO PROPOSED PAVING PLANS OF THE ADJACENT STREETS.
 - ALL CONCRETE SHALL BE "STANDARD PAVING MIX" UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRE-CAST TYPE 1A CURB INLETS IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRE-CAST TYPE 1A SHEET DATED AUGUST, 1979.
 - INLET DETAILS SHALL CONFORM TO THE REQUIREMENTS SHOWN ON THE STANDARD DETAIL SHEET FOR THE TYPE SPECIFIED. INLETS WITH CONCRETE TOPS SHALL HAVE RINGS AND COVERS ACCORDING TO THE FOLLOWING SCHEDULE:

INLET LENGTH (FEET)	NUMBER OF RINGS & COVERS
3	1
9-10	2
11-15	3
16-20	4

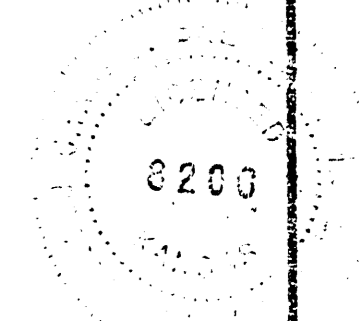
THE RINGS SHALL BE SPACED SUCH THAT THERE IS A MAXIMUM OF TWO AND FIVE-EIGHTHS FEET (2.5") FROM THE INSIDE OF THE WALL TO THE CENTER OF THE RING AND A MAXIMUM OF FIVE FEET (5') FROM CENTER TO CENTER BETWEEN RINGS. RINGS AND COVERS SHALL BE CENTERED BETWEEN THE FRONT AND THE BACK OF THE CONCRETE TOPS. THE NUMBER OF SPACING OF RINGS WITH COVERS MAY VARY FROM THIS SPECIFICATION ONLY WHEN APPROVED BY THE FIELD ENGINEER. AT LEAST ONE (1) MANHOLE RING AND COVER SHALL BE PLACED SUCH THAT IT IS ALIGNED WITH THE CENTERLINE OF THE OUTFALL PIPE OF PIPES.



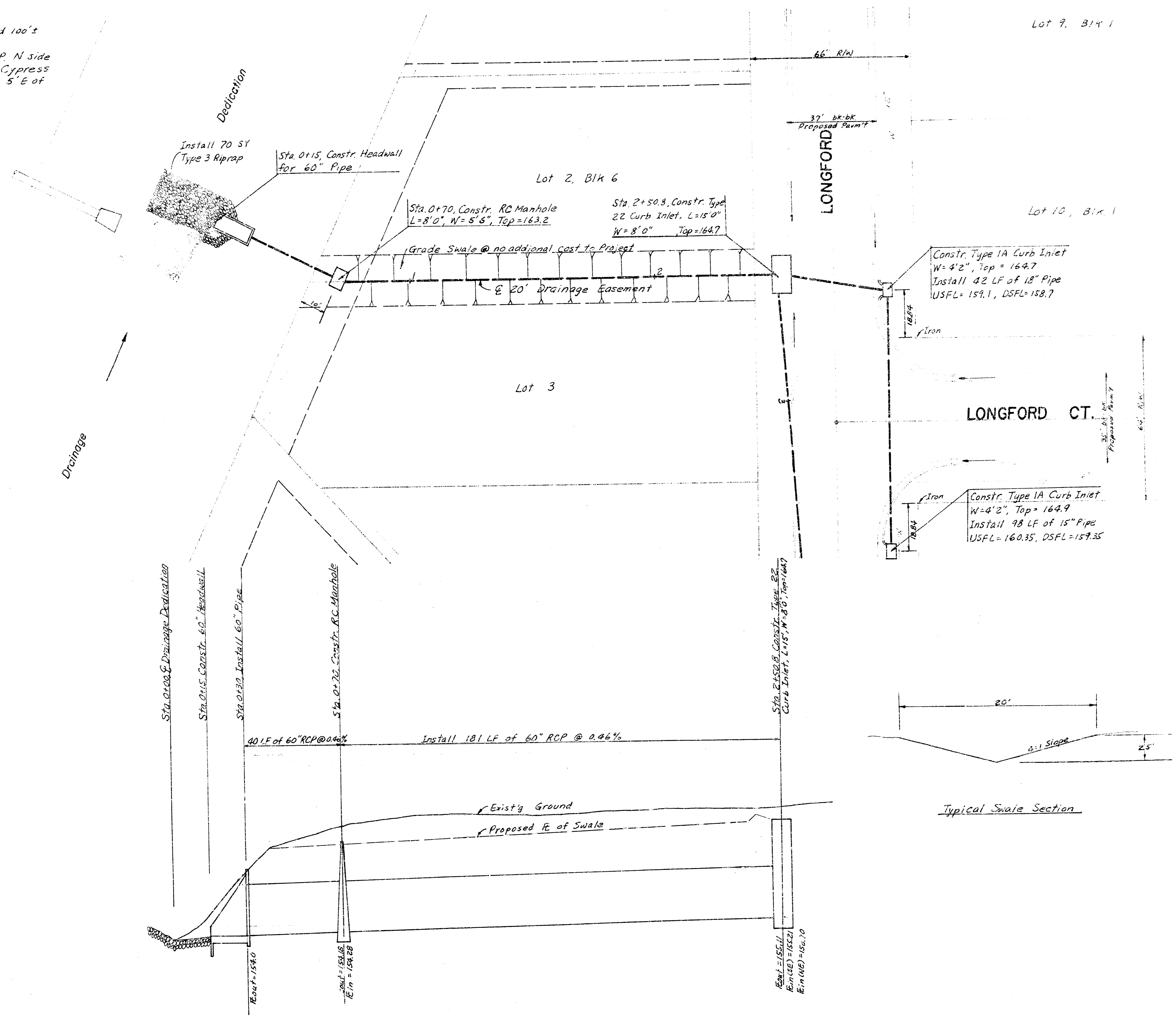
Index

Sheet 1	Cover Sheet
Sheet 2-8	Plan & Profile
Sheet 9	Type 22 Curb Inlet
Sheet 10	Type 1A Curb Inlet
Sheet 11	RC Manhole
Sheet 12	Headwall for 60" Pipe

R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING /
 CITY ENGINEER
 CITY OF WICHITA, KANSAS
 PROJECT NO. 468 76 245 81013 000 000 001
 DATE: _____



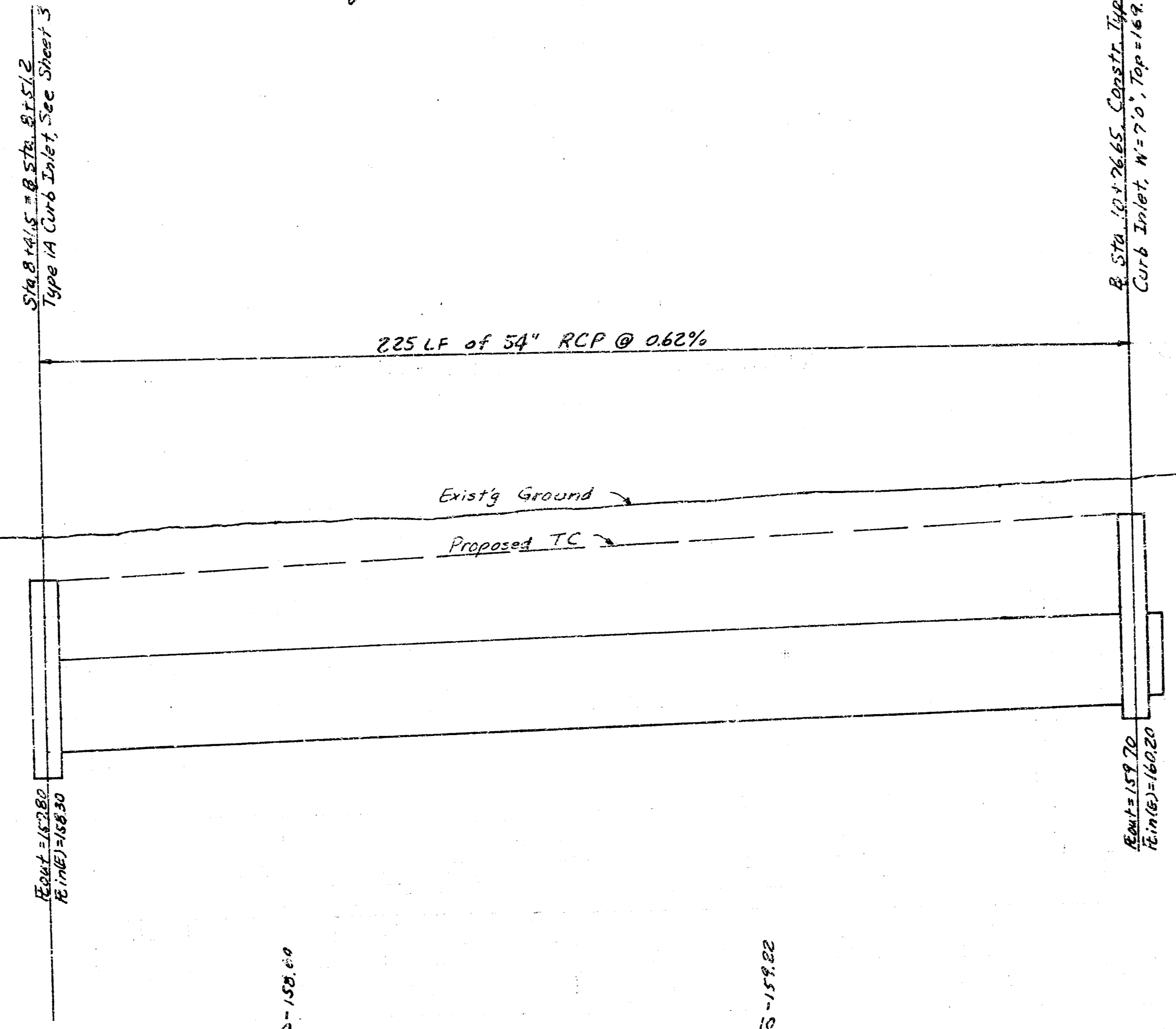
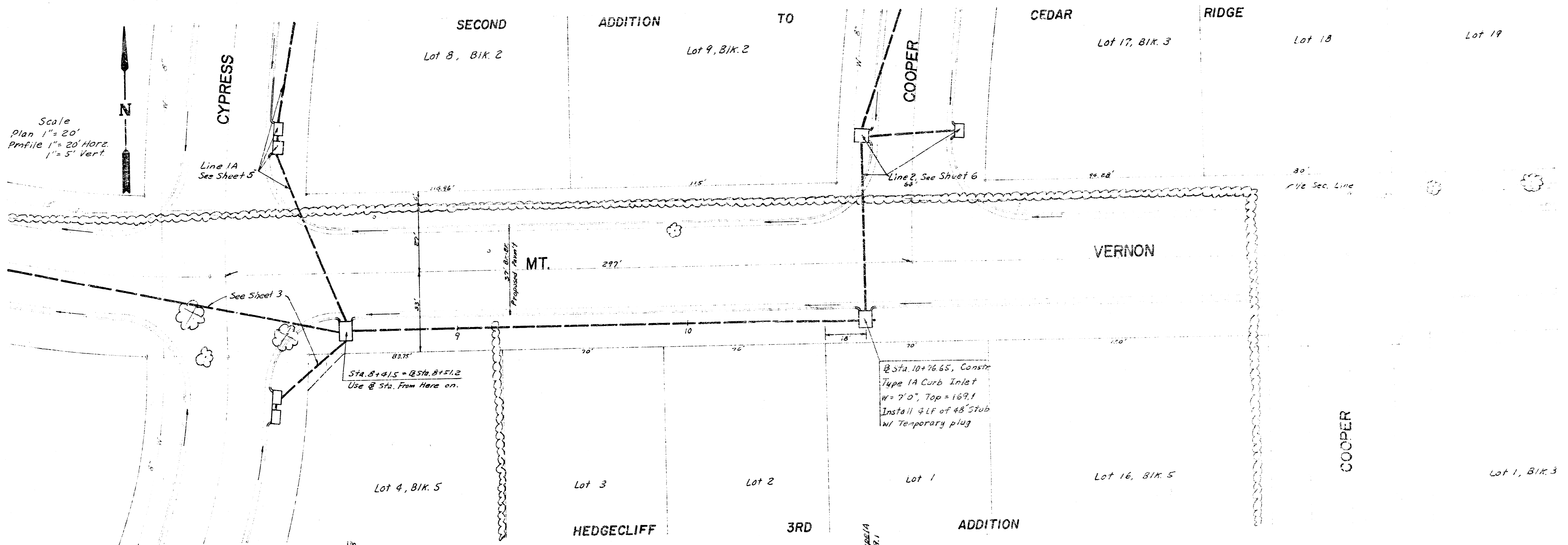
B.M. 160.76 @ Top S-cb Longford 100't
 W of Bluestem
 B.M. 169.52 RR Spk SW face HLP, N side
 Mt. Vernon East of Cypress
 B.M. 170.06 @ Top S-cb Funsten 5' E of
 W. L. Cypress



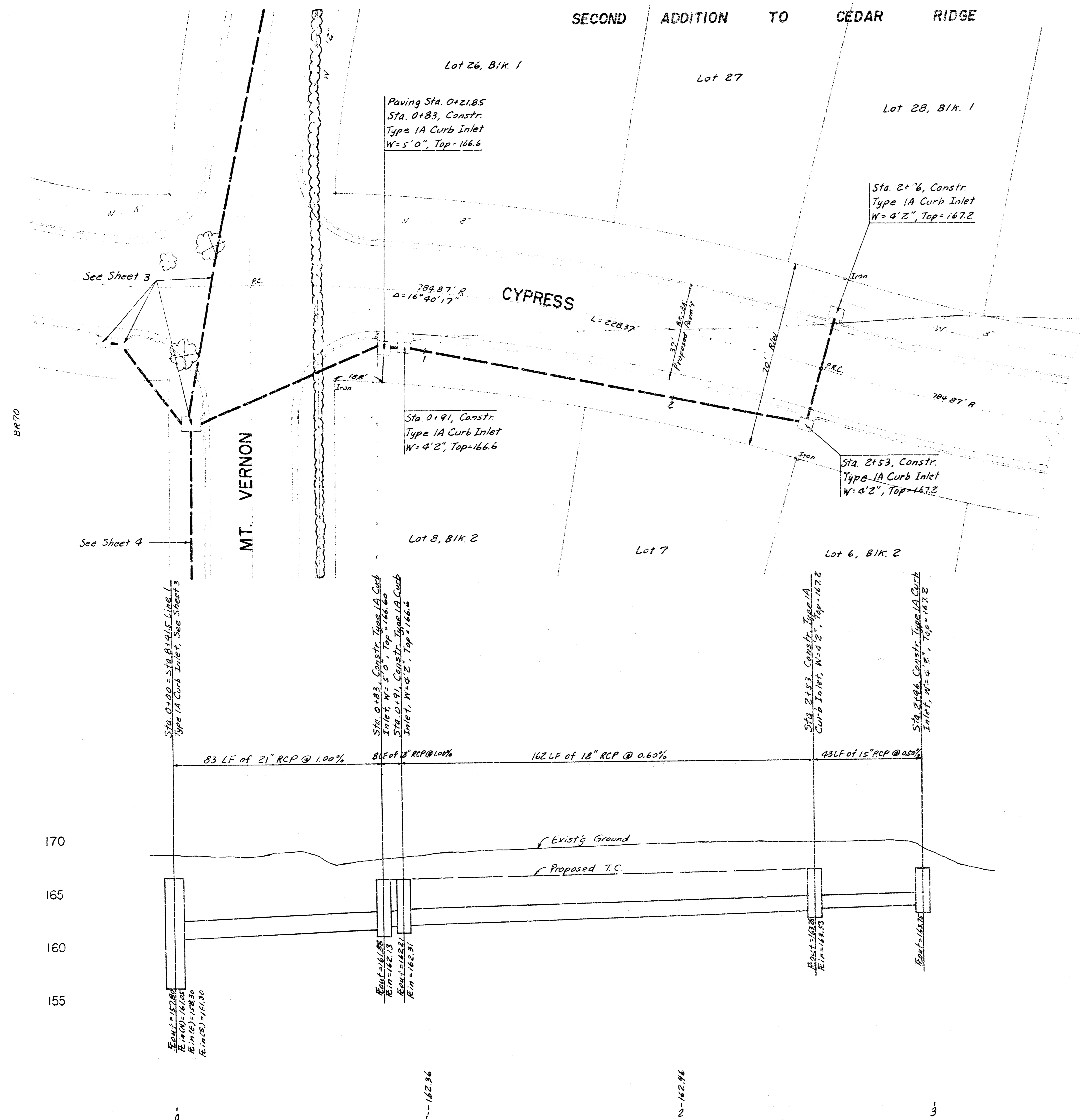
Scale Plan 1" = 20'
 Profile 1" = 20' horiz
 1" = 8' Vert

165
 160
 155
 150

165
 160
 155



SECOND ADDITION TO CEDAR RIDGE



Scale Plan 1" = 20'
 Profile 1" = 20' Horz.
 1" = 5' Vert.

170
165
160
155

170
165
160

Sta. 0+00 - Sta. 0+83, 15' Line 1
 Type 1A Curb Inlet, See Sheet 3

83 LF of 21" RCP @ 1.00%

Sta. 0+83, Constr. Type 1A Curb Inlet, W=5'0", Top=166.60

Sta. 0+91, Constr. Type 1A Curb Inlet, W=4'2", Top=166.6

162 LF of 18" RCP @ 0.60%

Sta. 2+53, Constr. Type 1A Curb Inlet, W=4'2", Top=167.2

43 LF of 15" RCP @ 0.50%

Sta. 2+96, Constr. Type 1A Curb Inlet, W=4'2", Top=167.2

Proposed T.C.

Exist'g Ground

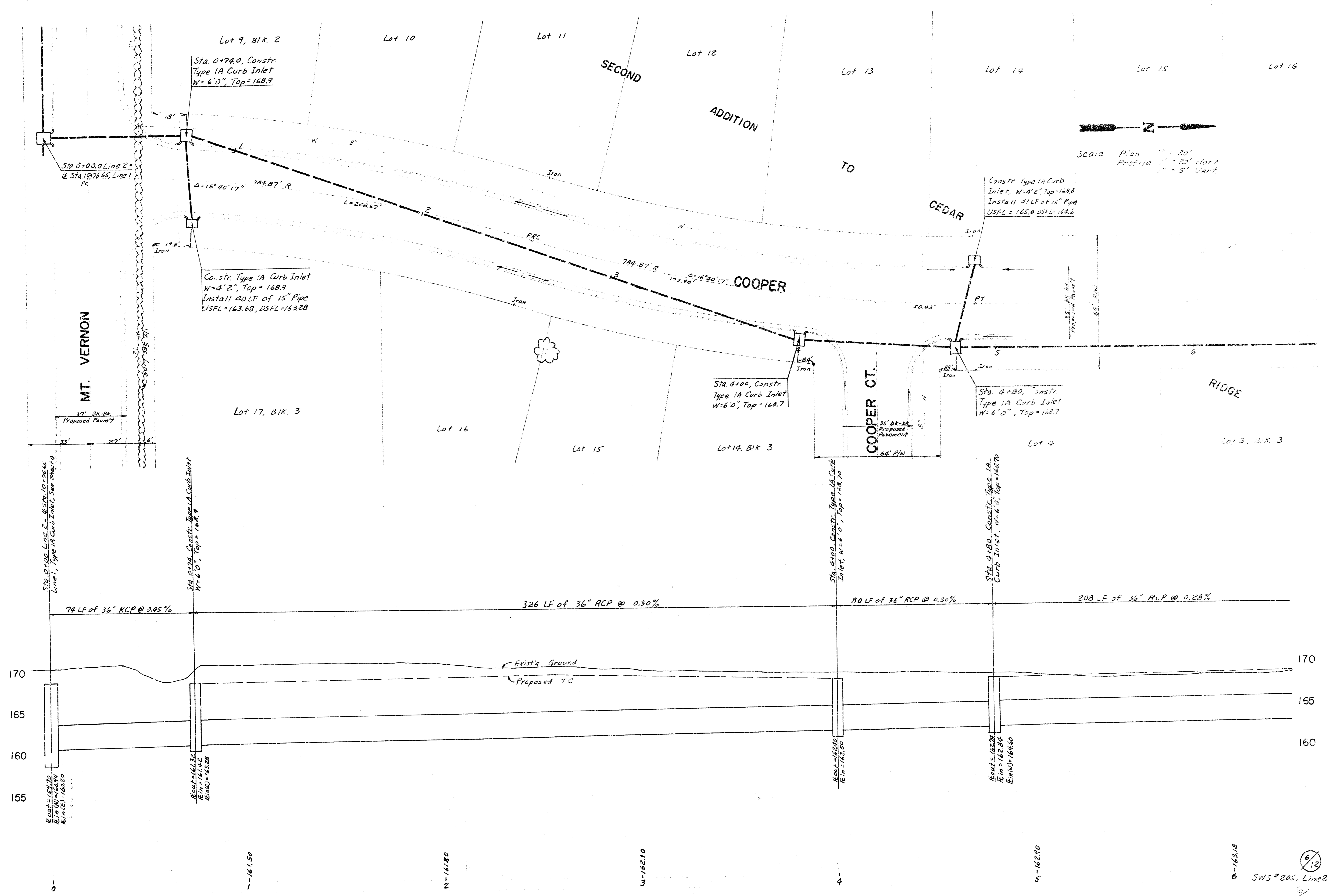
Manhole 1: E. Invert = 157.86, E. Invert = 161.05, E. Invert = 158.30, E. Invert = 161.30

Manhole 2: E. Invert = 162.03, E. Invert = 162.31, E. Invert = 162.31

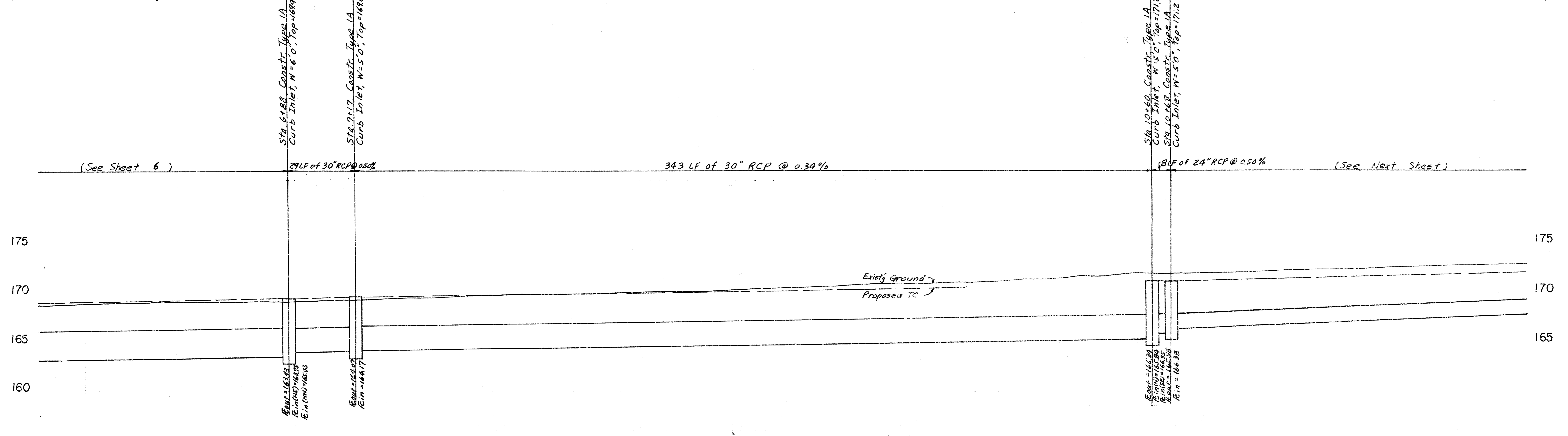
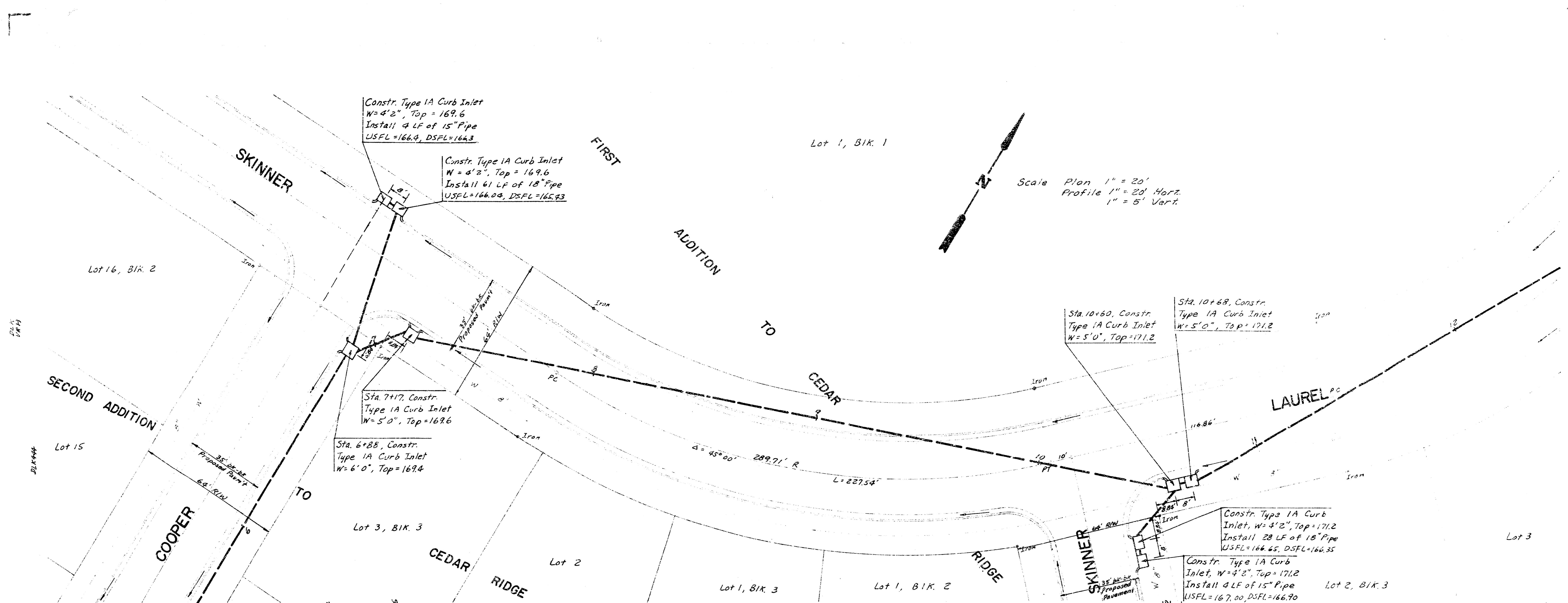
Manhole 3: E. Invert = 162.36

Manhole 4: E. Invert = 162.96

Manhole 5: E. Invert = 162.36



Scale Plan 1" = 20'
 Profile 1" = 20' Vert



6 - 163.18

7 - 163.99

8 - 164.85

9 - 165.10

10 - 165.10

11 - 166.68

12 - 167.63

12 SWS # 205, Line 2

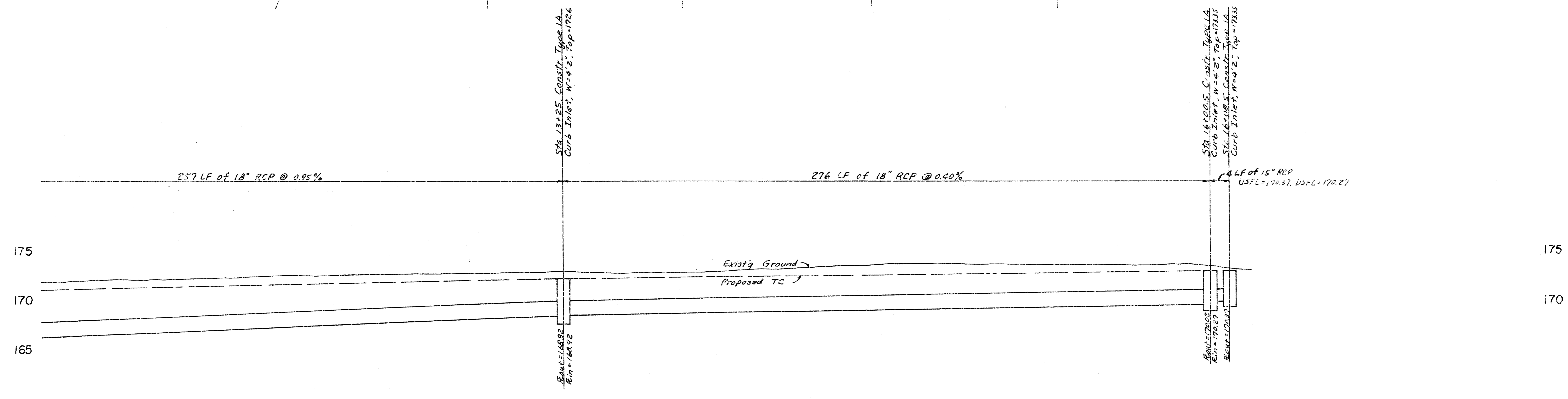
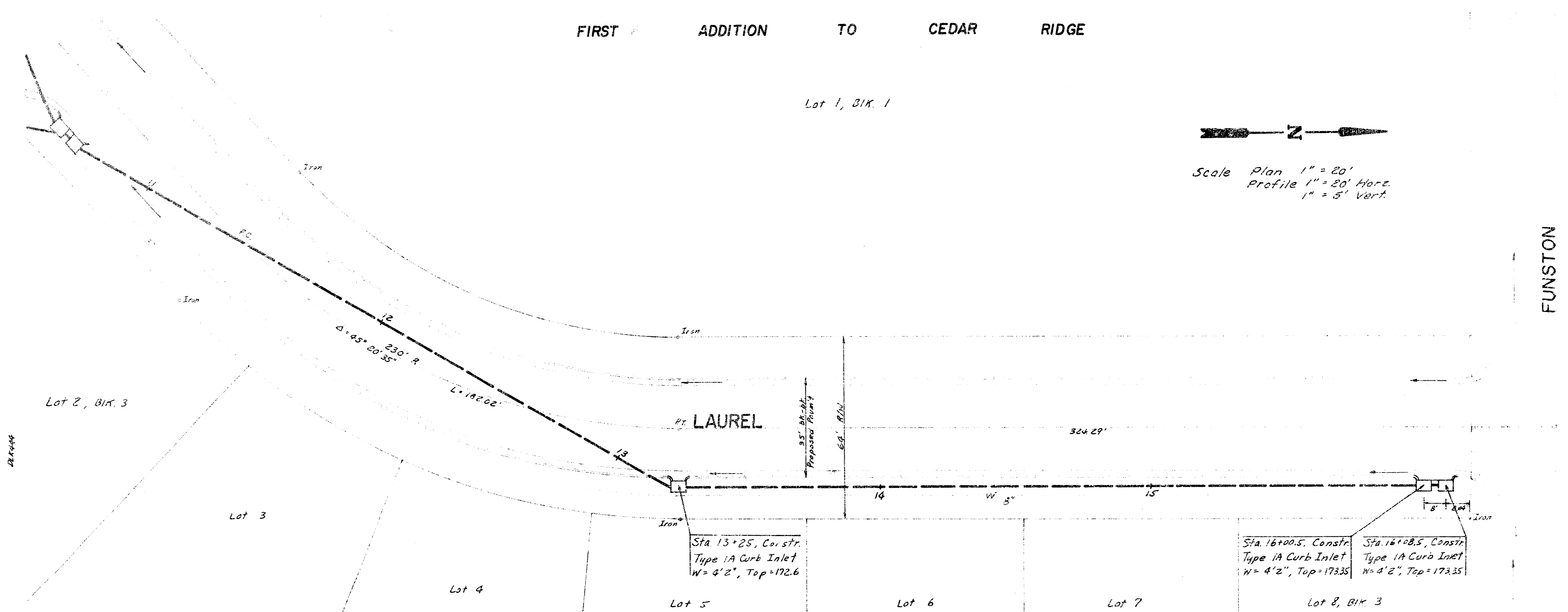
7/12

FIRST ADDITION TO CEDAR RIDGE

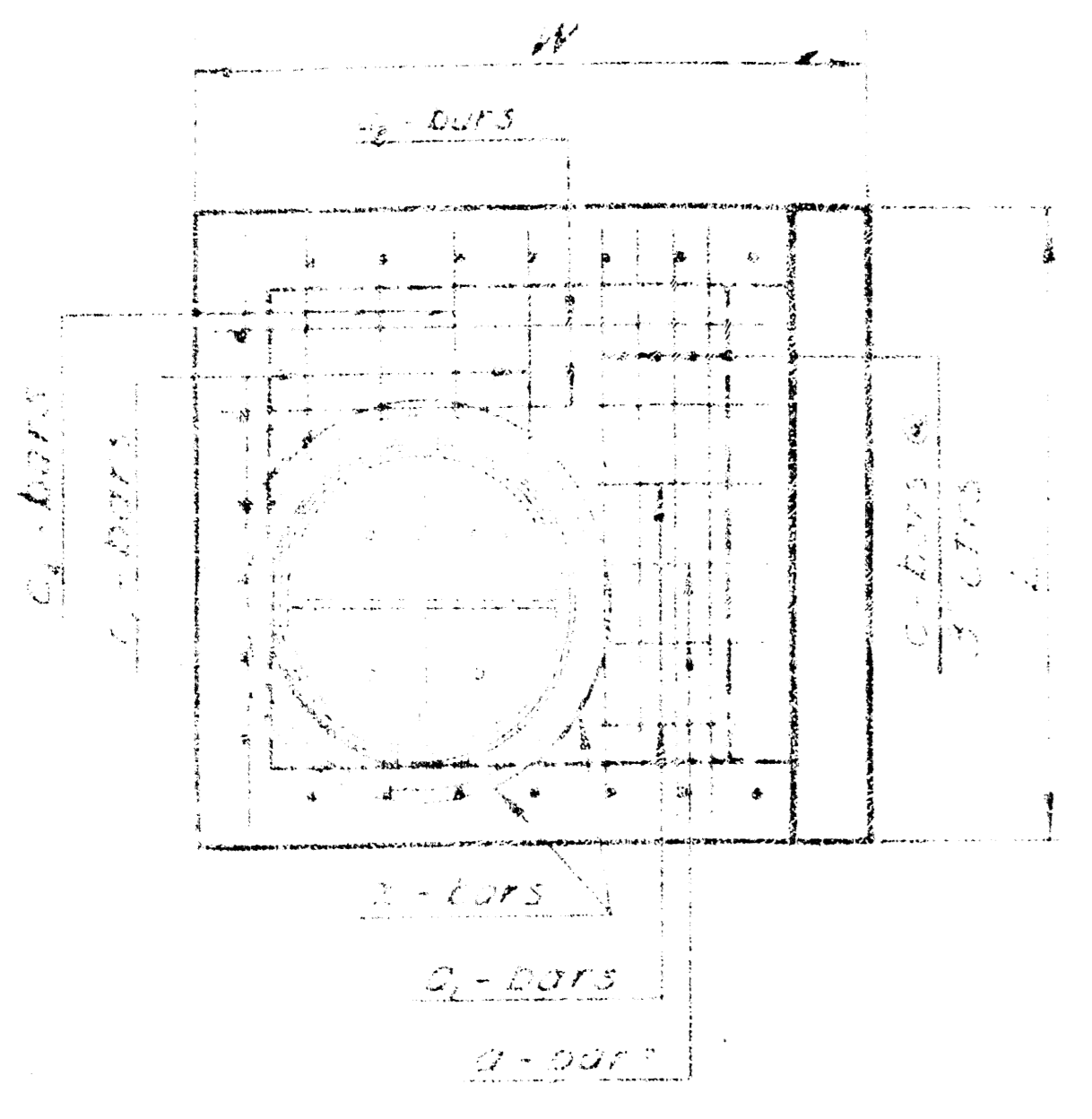
Lot 1, BIK 1

Scale Plan 1" = 20'
Profile 1" = 20' Horiz.
1" = 5' Vert.

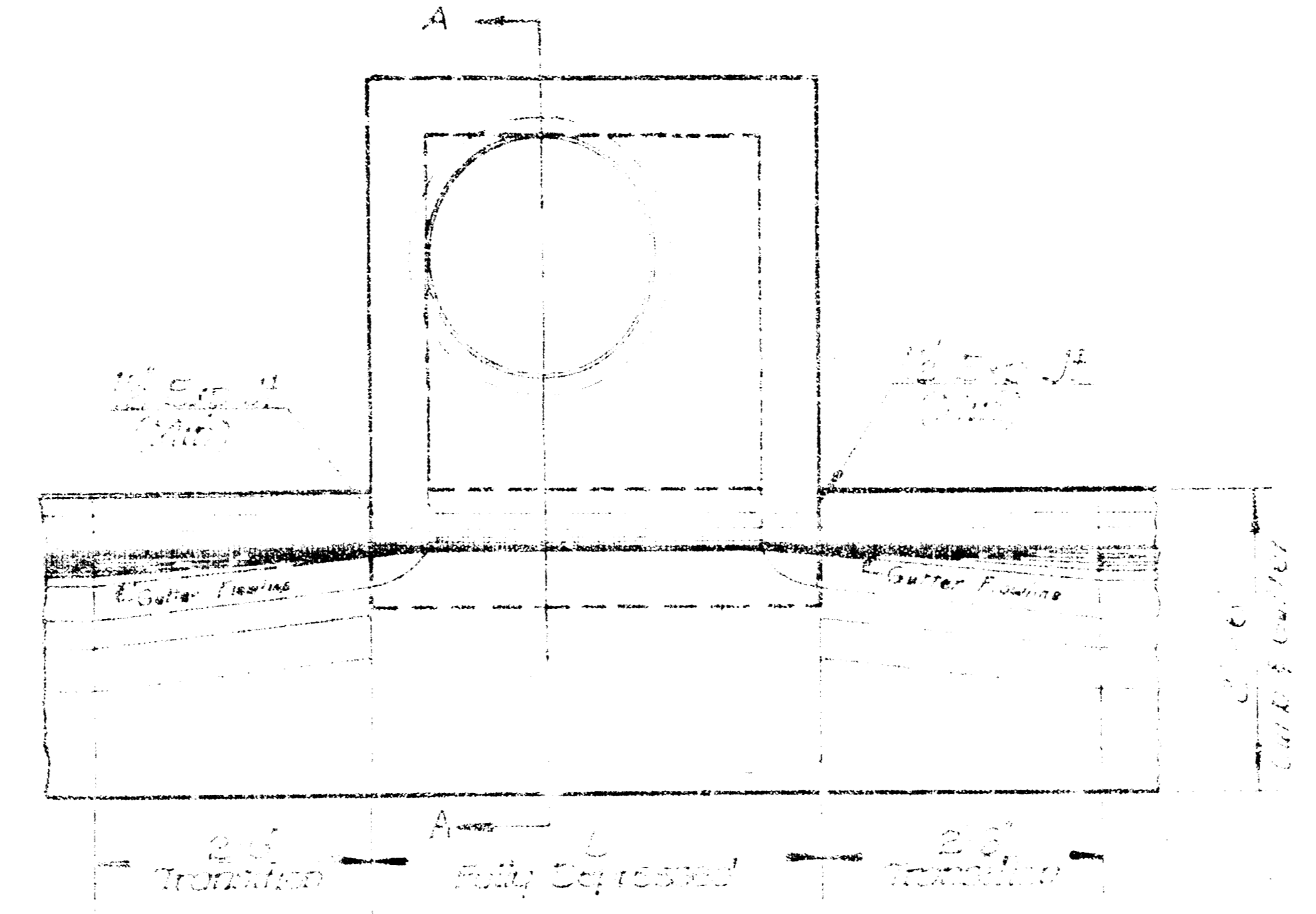
FUNSTON



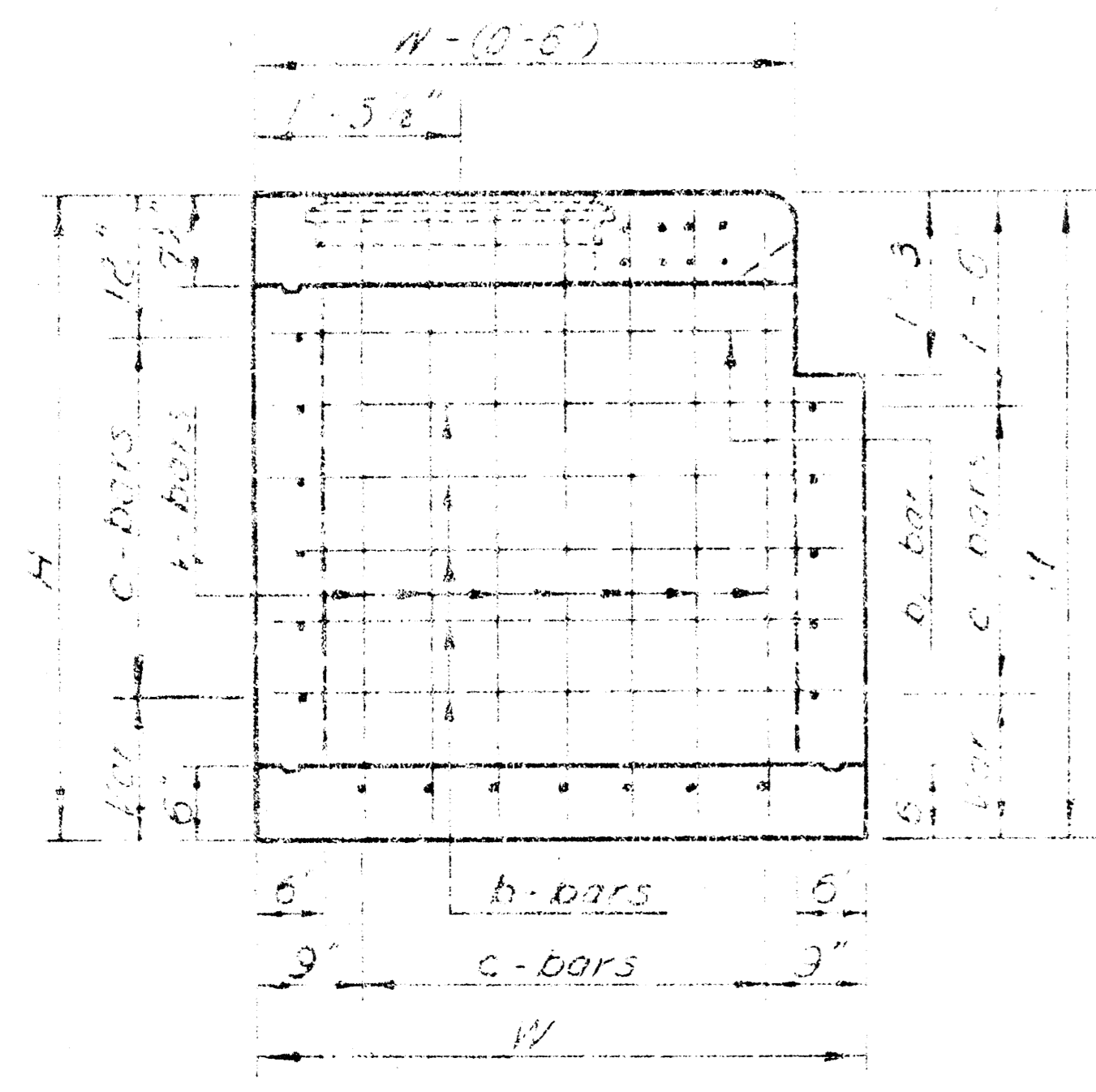
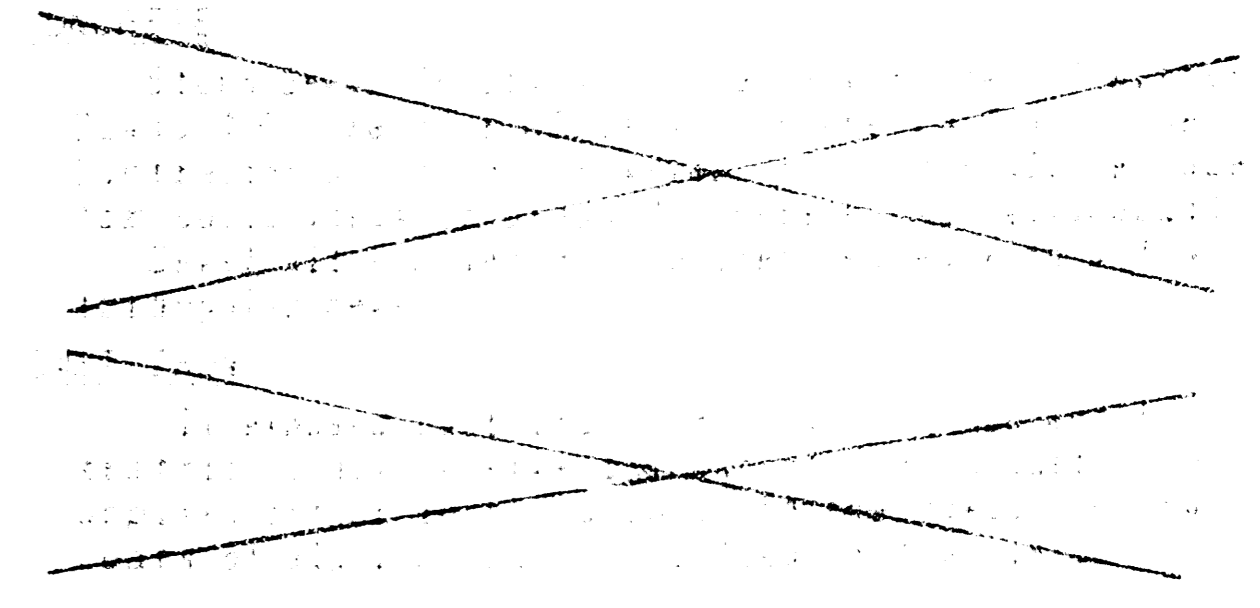
11 - 166.68
12 - 167.62
13 - 168.58
14 - 169.52
15 - 169.62
16



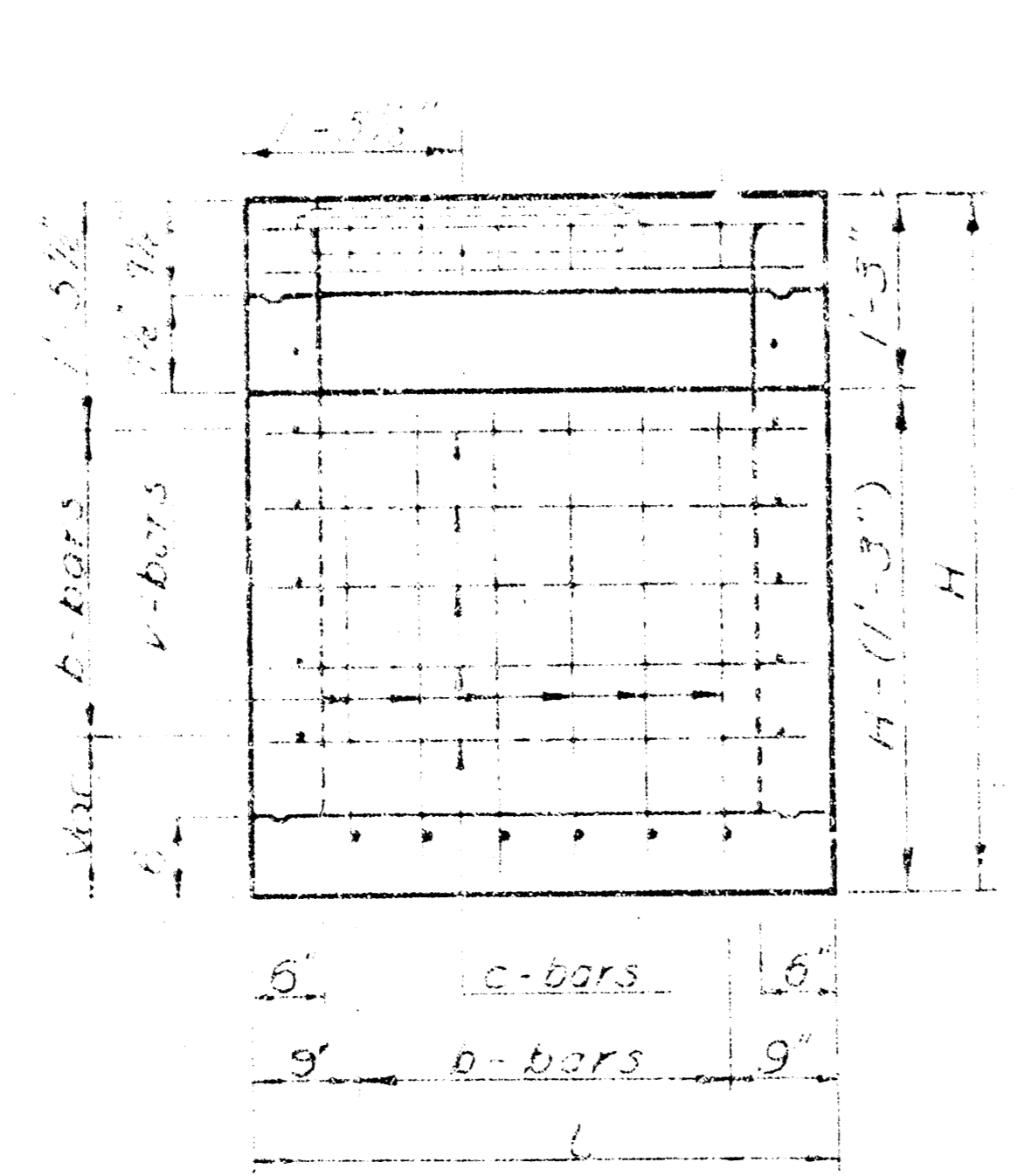
TOP VIEW



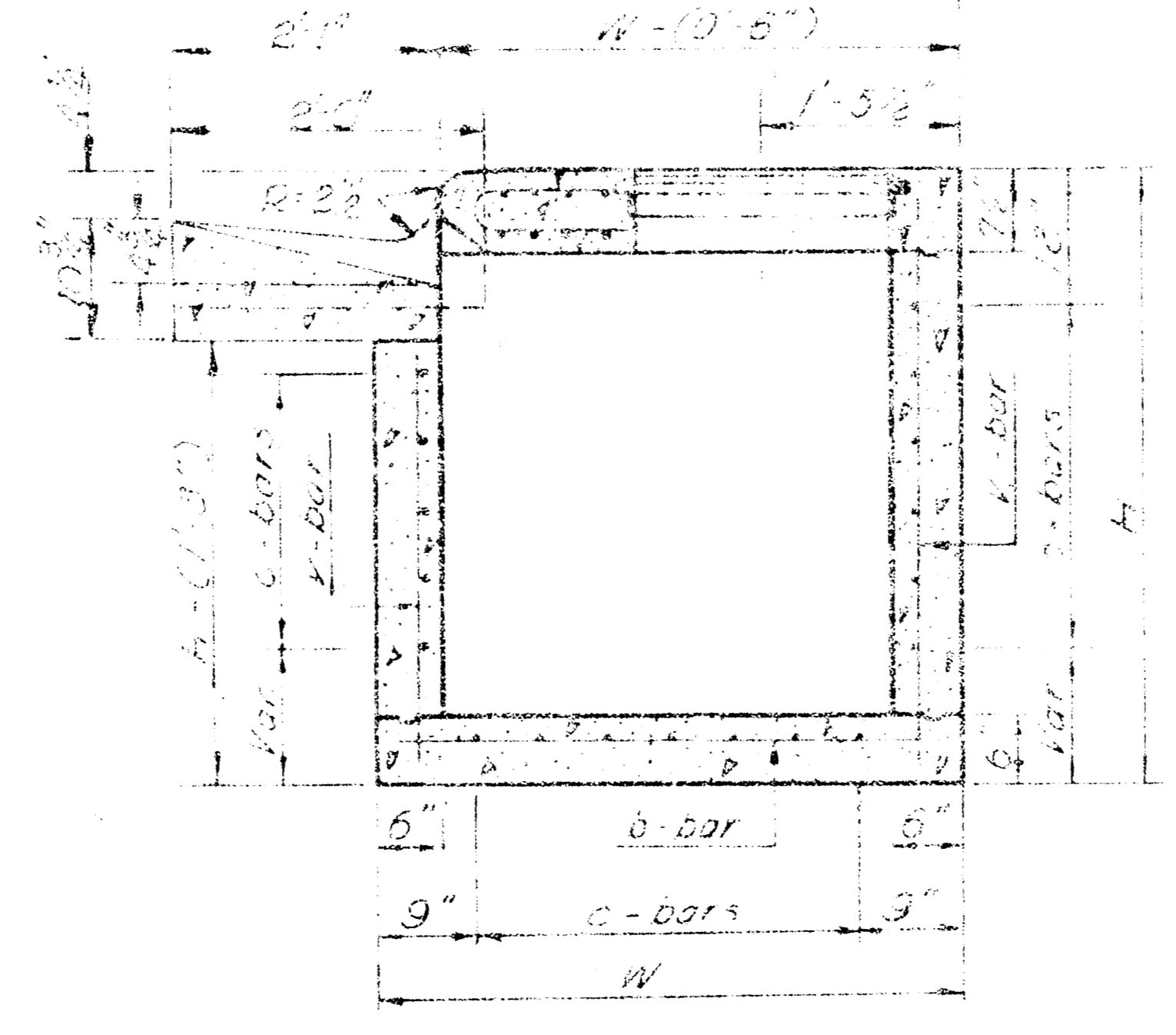
PLAN



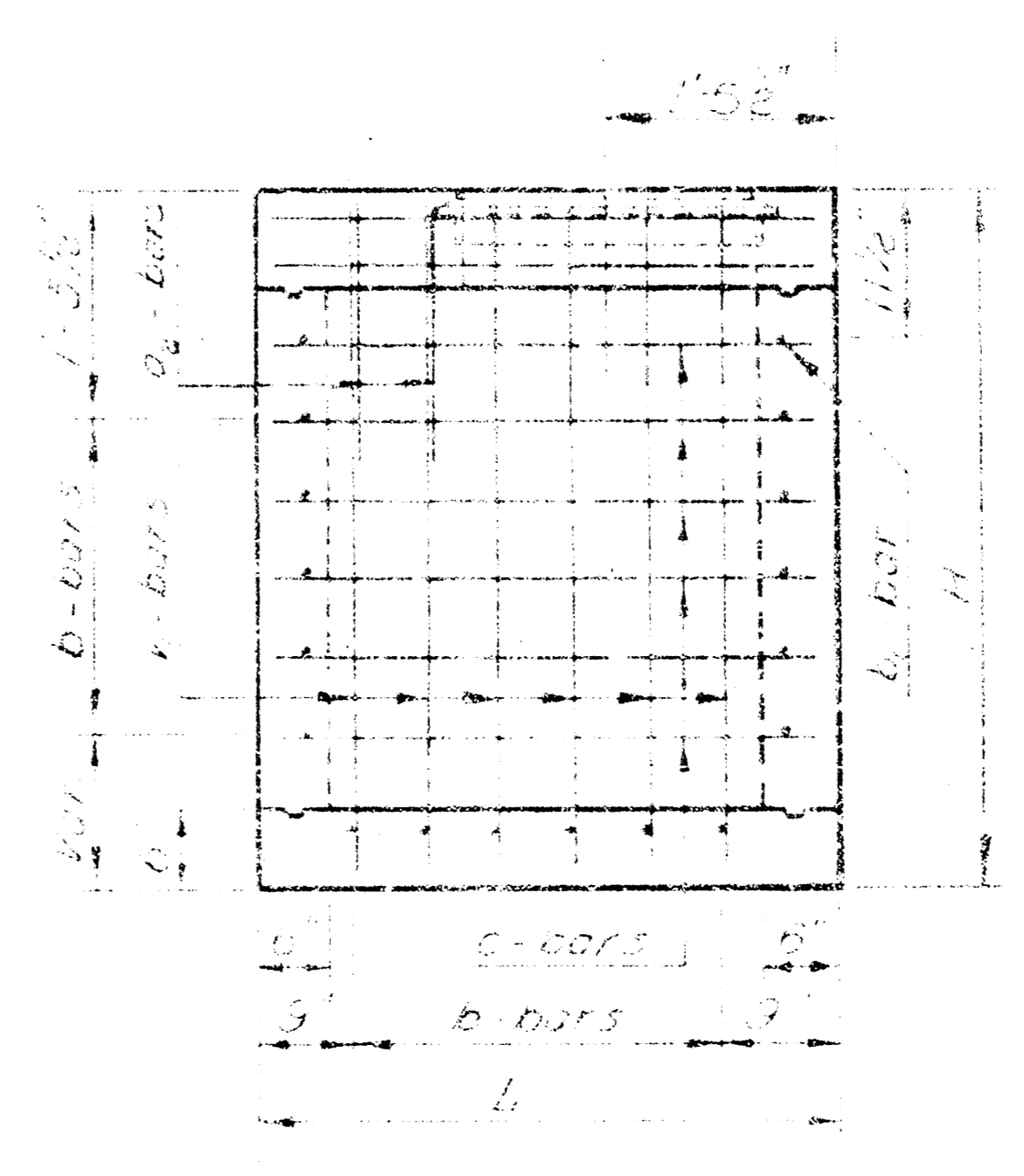
SIDE VIEW



FRONT VIEW

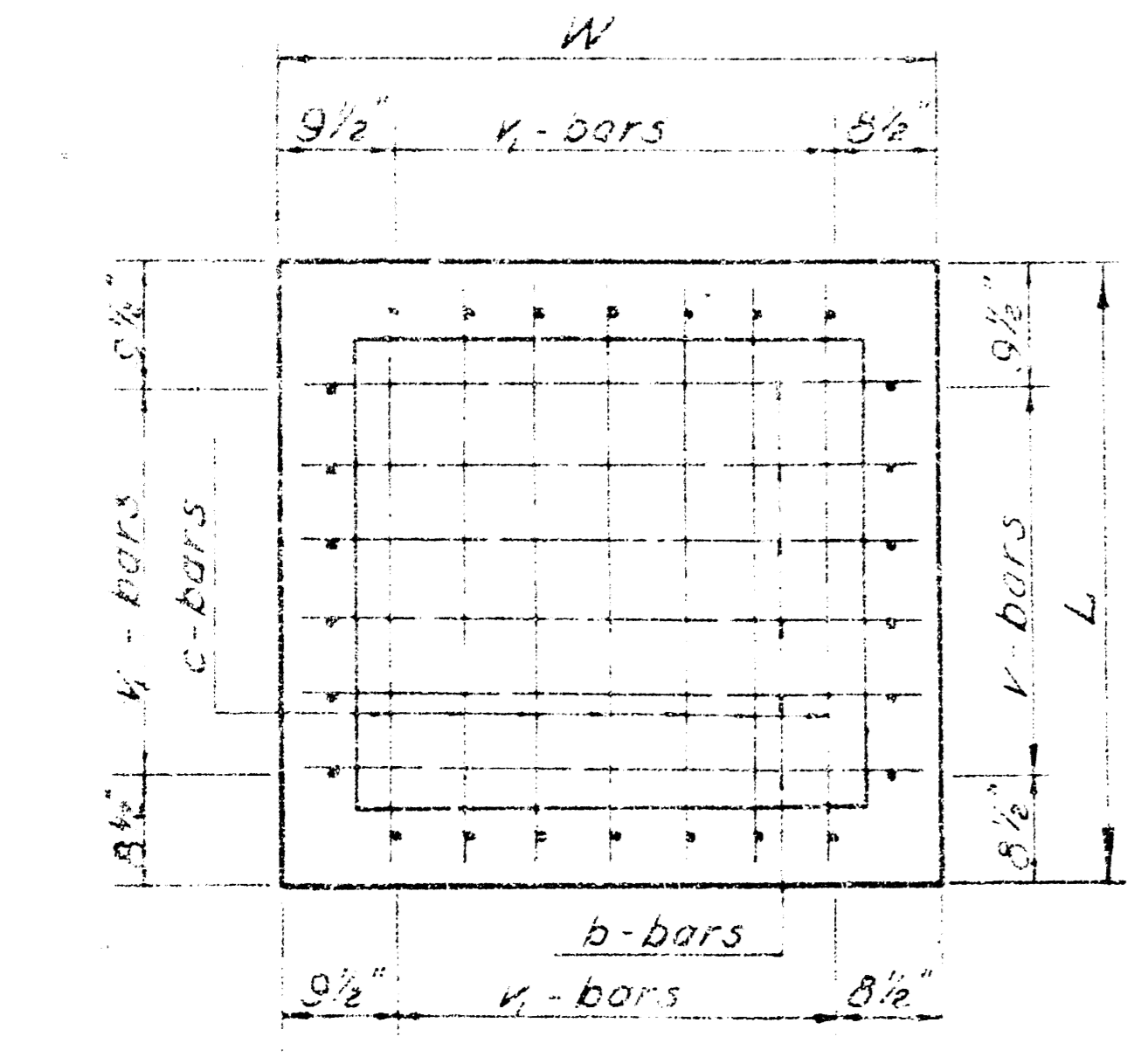
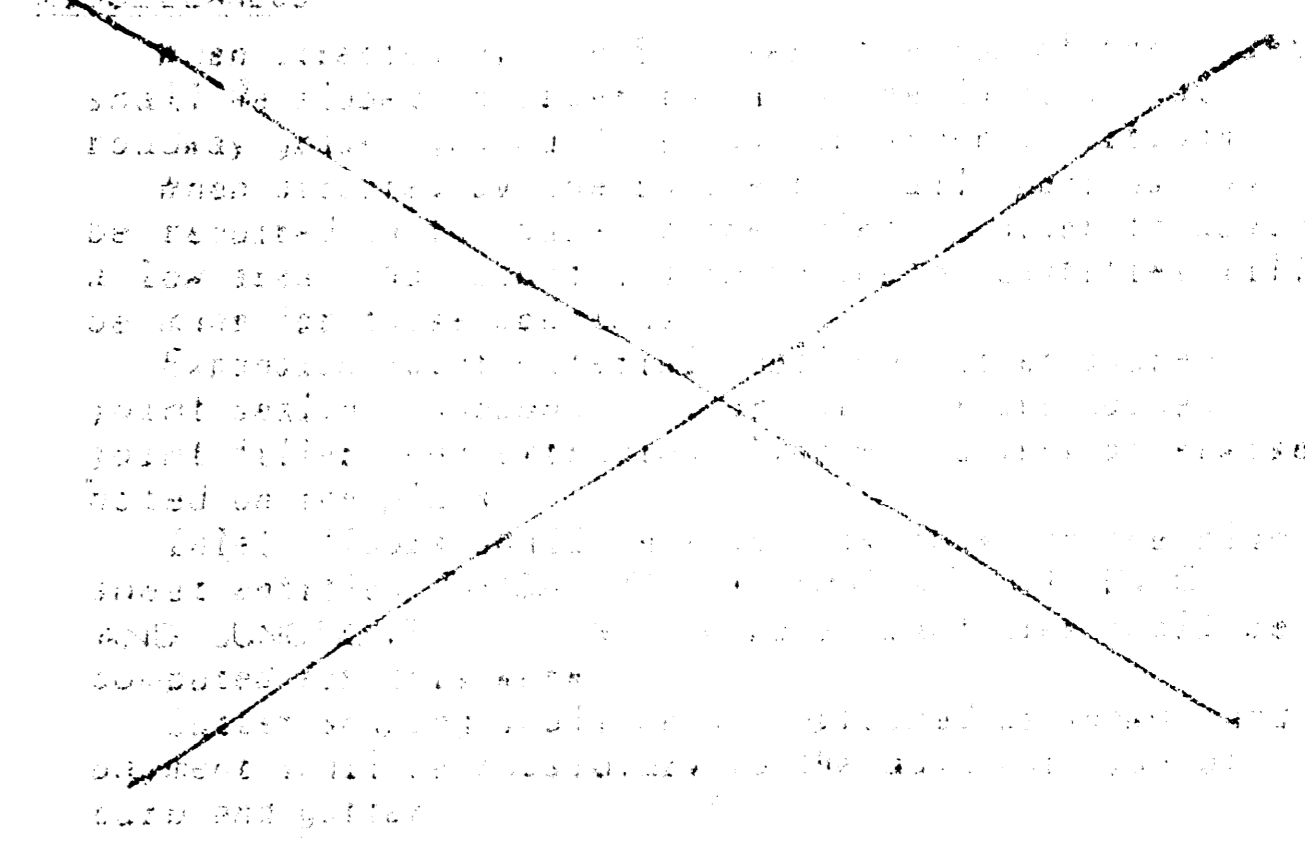


SECTION A-A

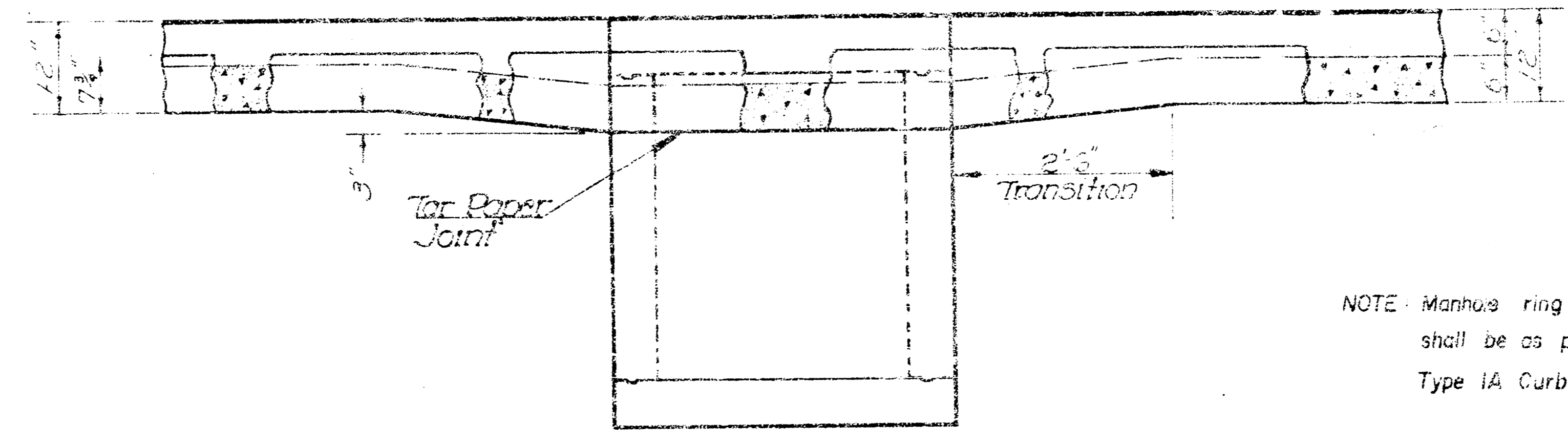


REAR VIEW

All reinforcing steel shall be No. 4 bars unless otherwise noted on the plans.



BOTTOM VIEW



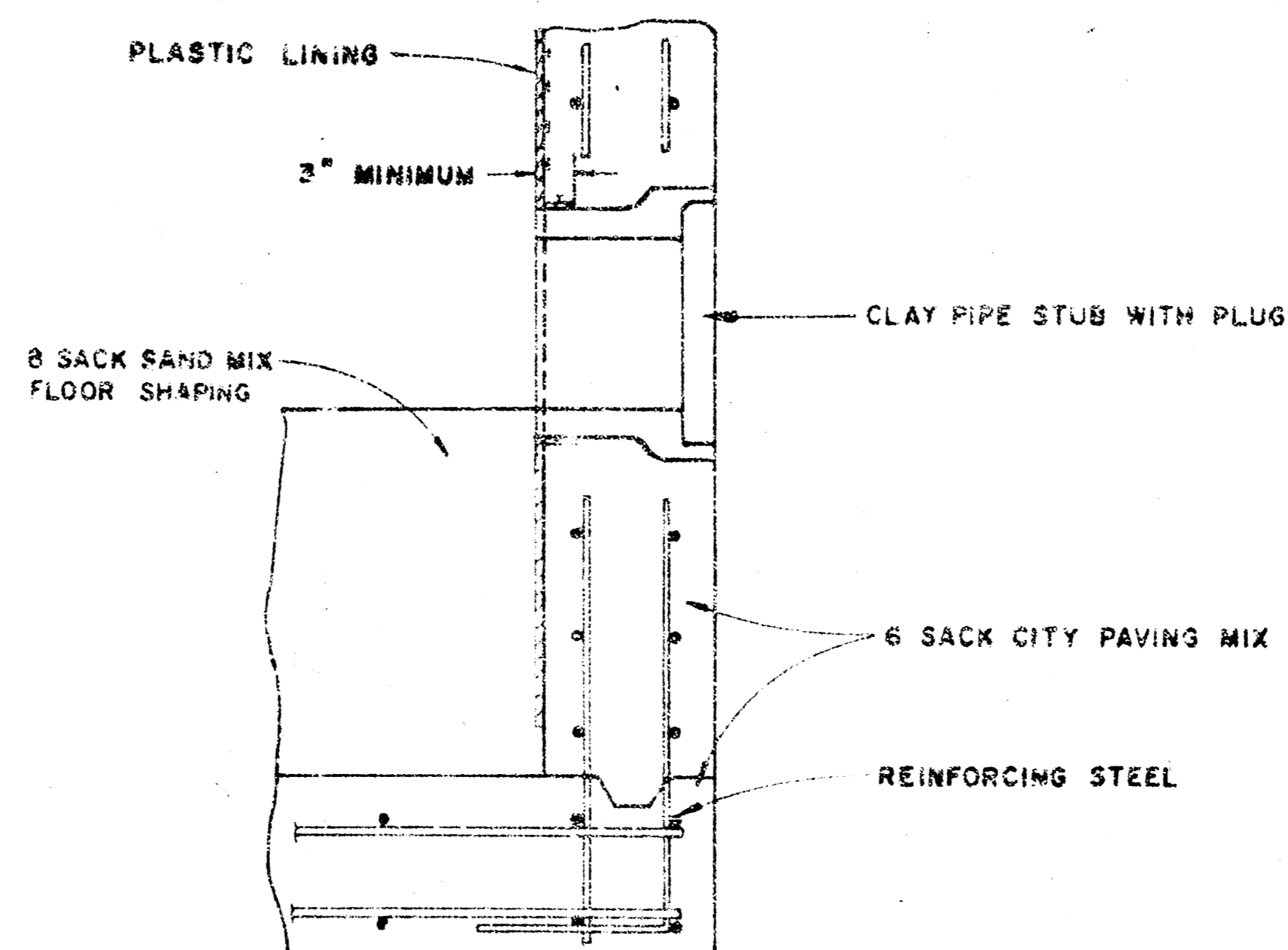
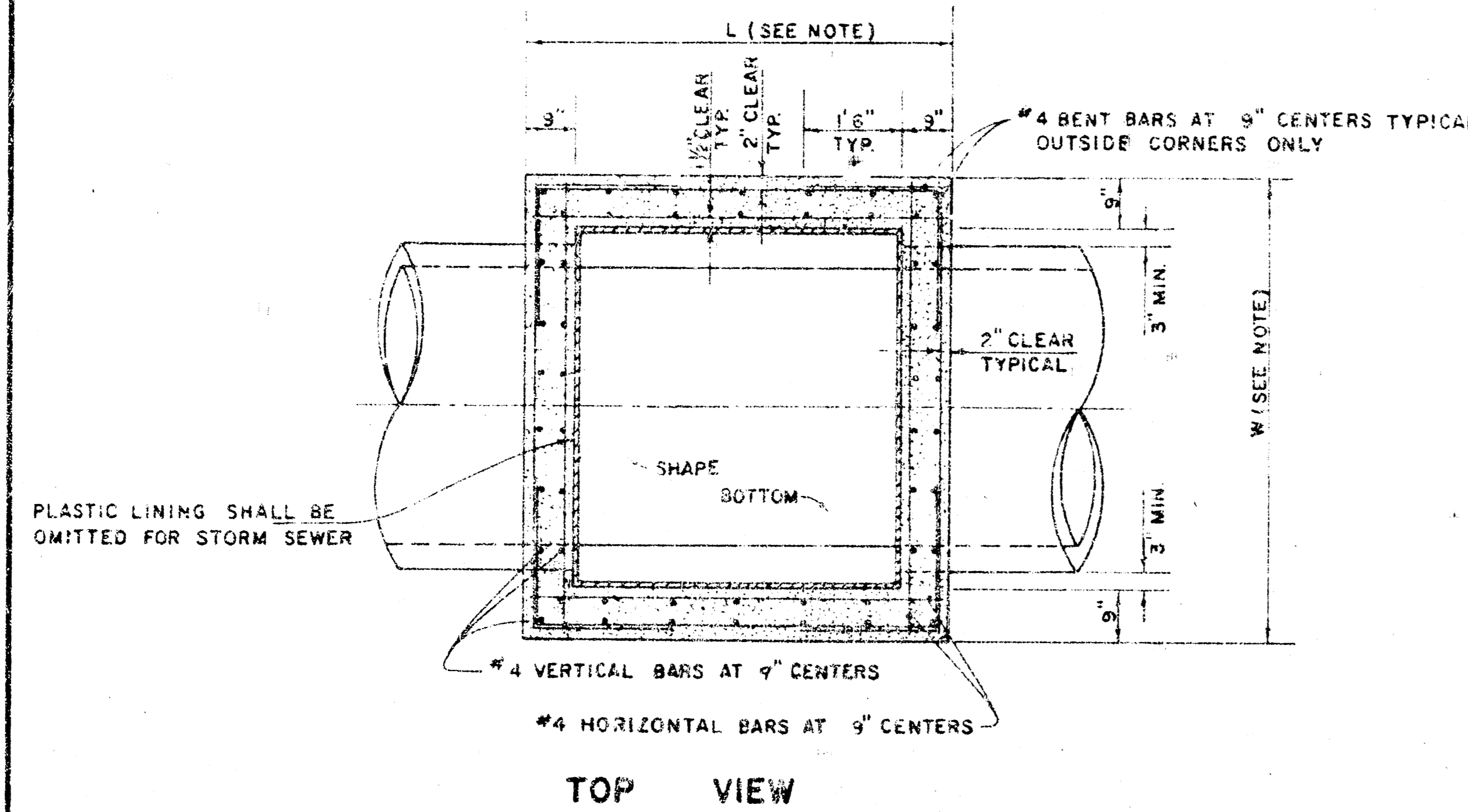
NOTE: Manhole ring and cover to inlet tops shall be as per City of Wichita Standard Type IA Curb Inlet Precast Top.

NO.	DATE	REVISION	BY	APP'D.

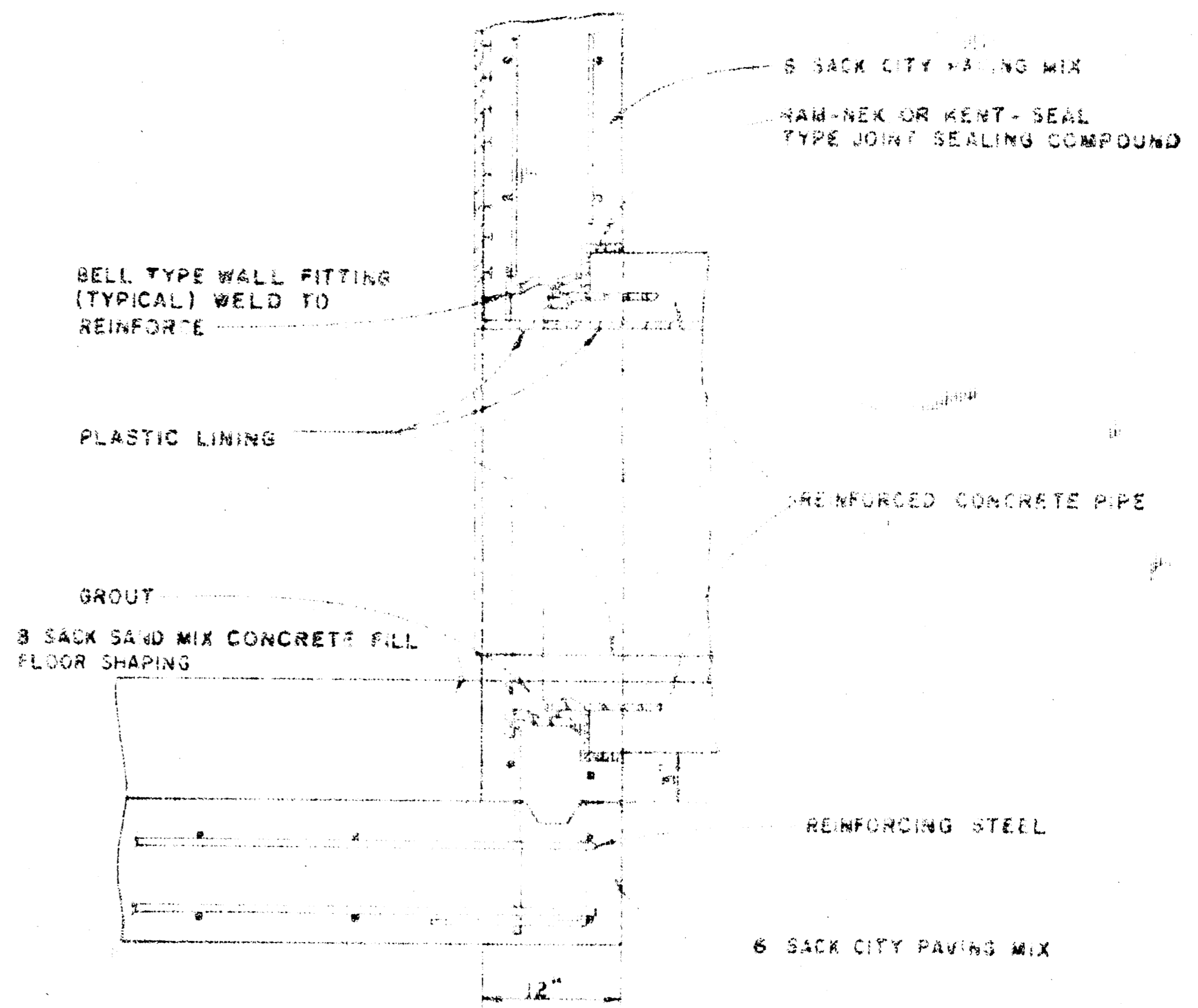
STATE HIGHWAY COMMISSION OF KANSAS

TYPE 22
CURB INLET

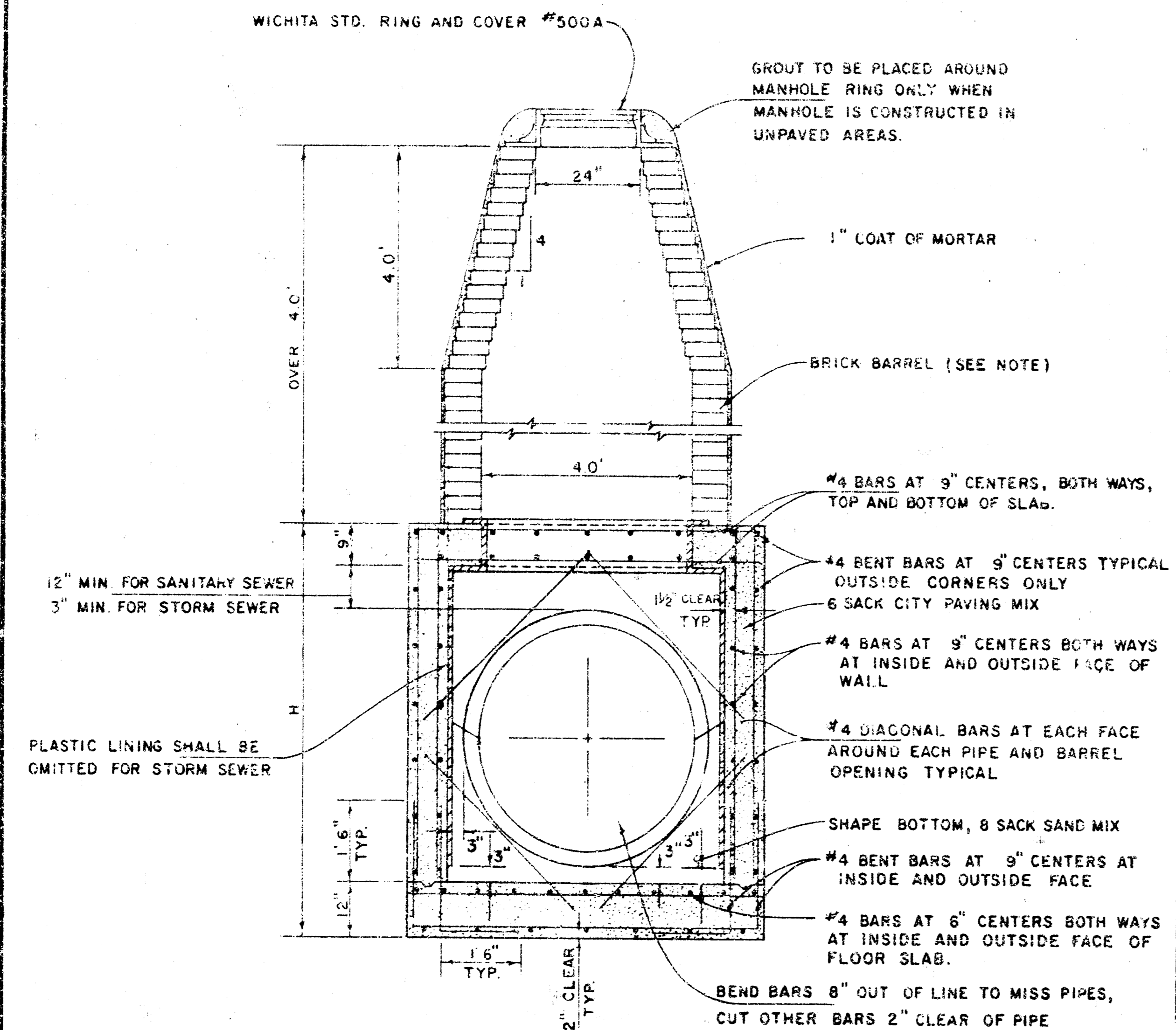
9/12



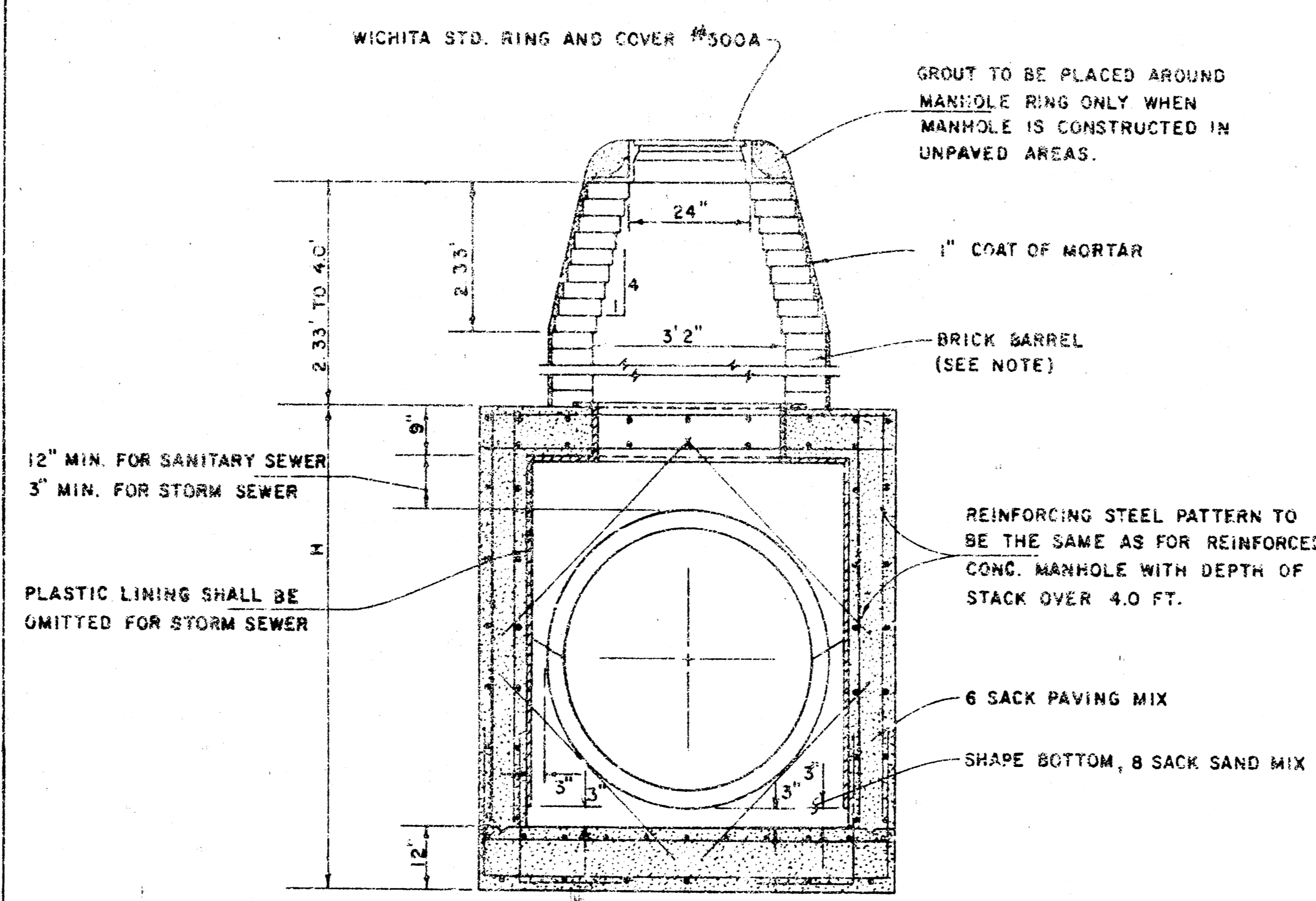
V.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



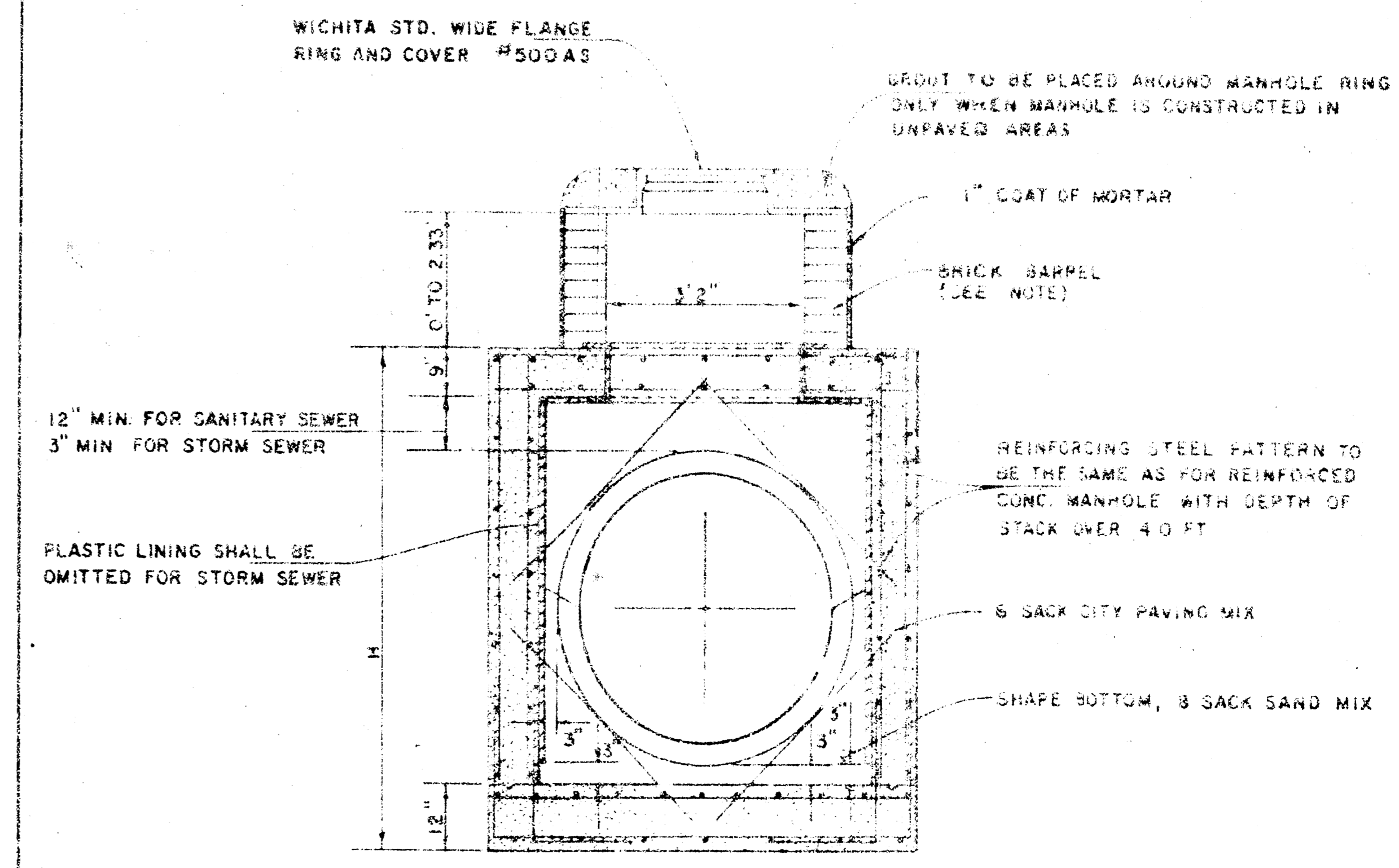
R.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'
SCALE 1" = 2'



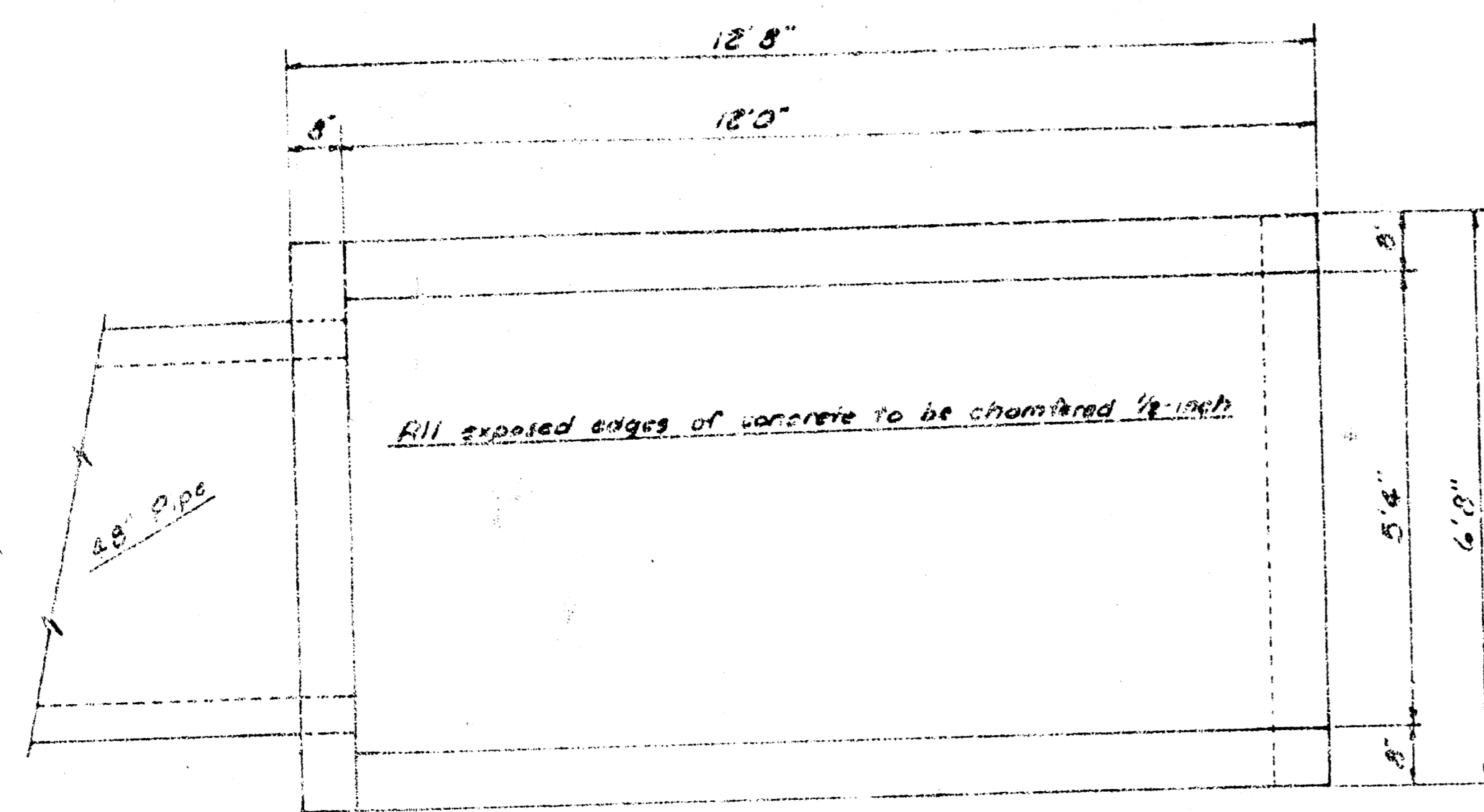
REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'
SCALE 1" = 2'



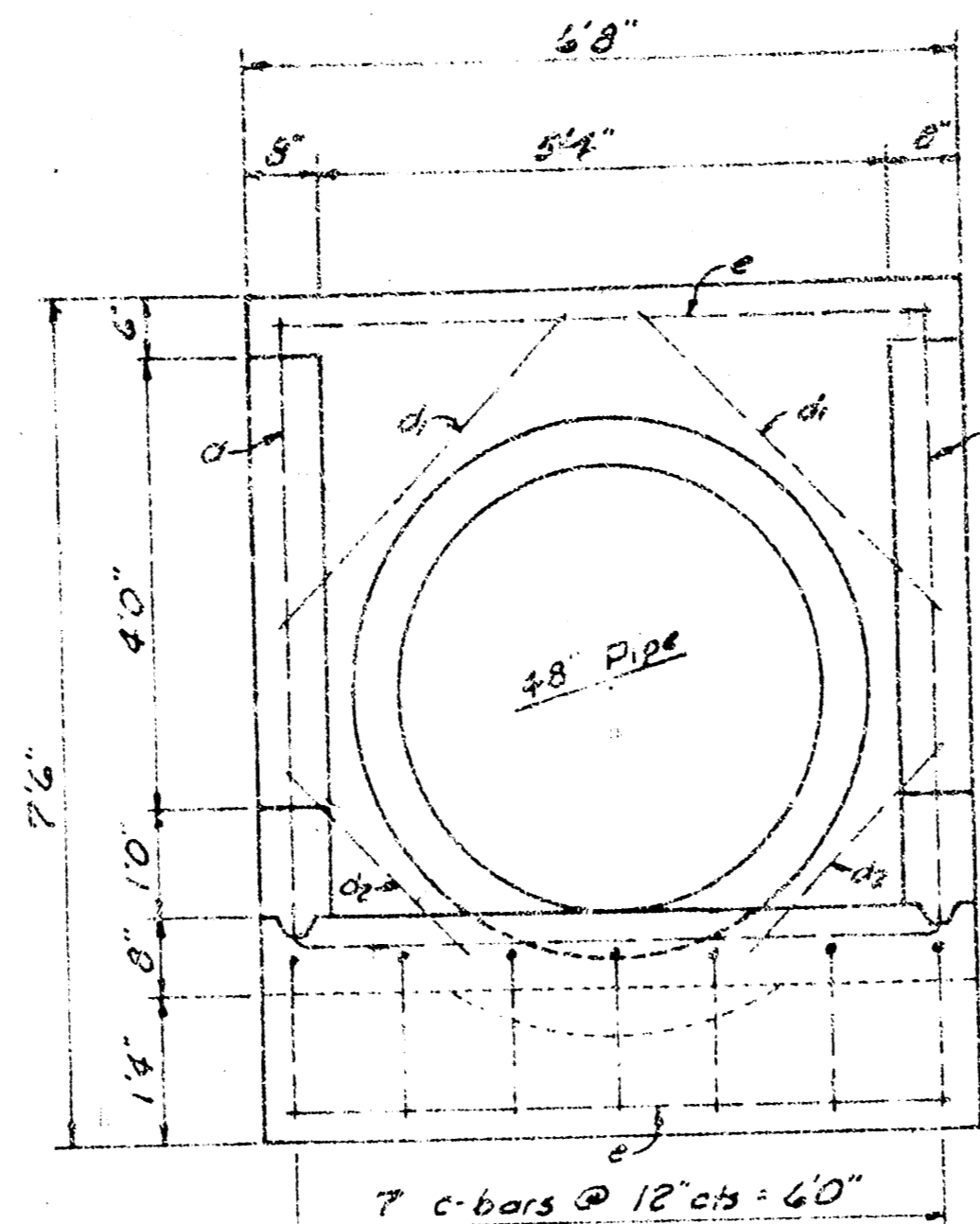
REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 0' TO 2.33'
SCALE 1" = 2'

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.

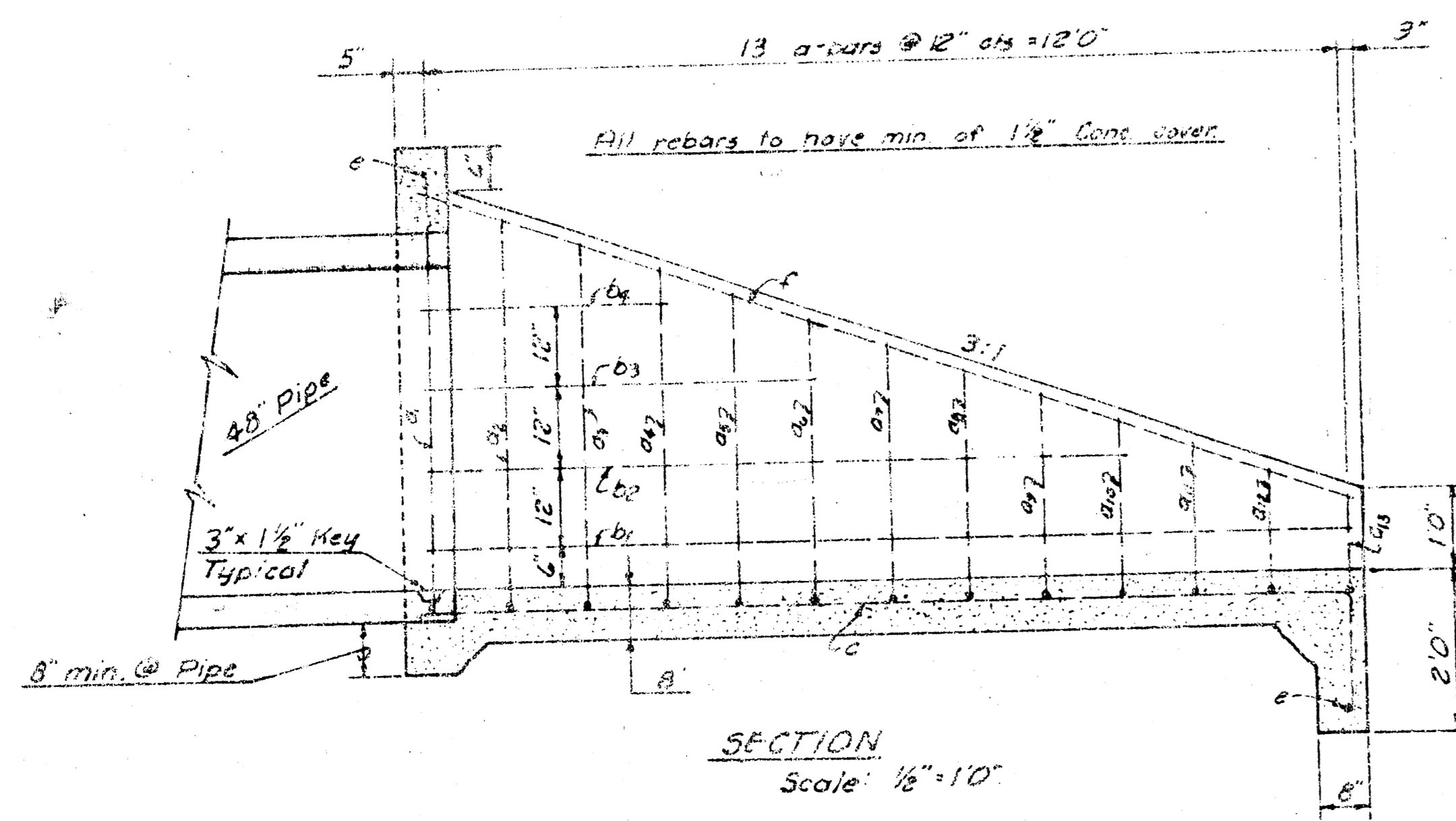
STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
CITY OF WICHITA



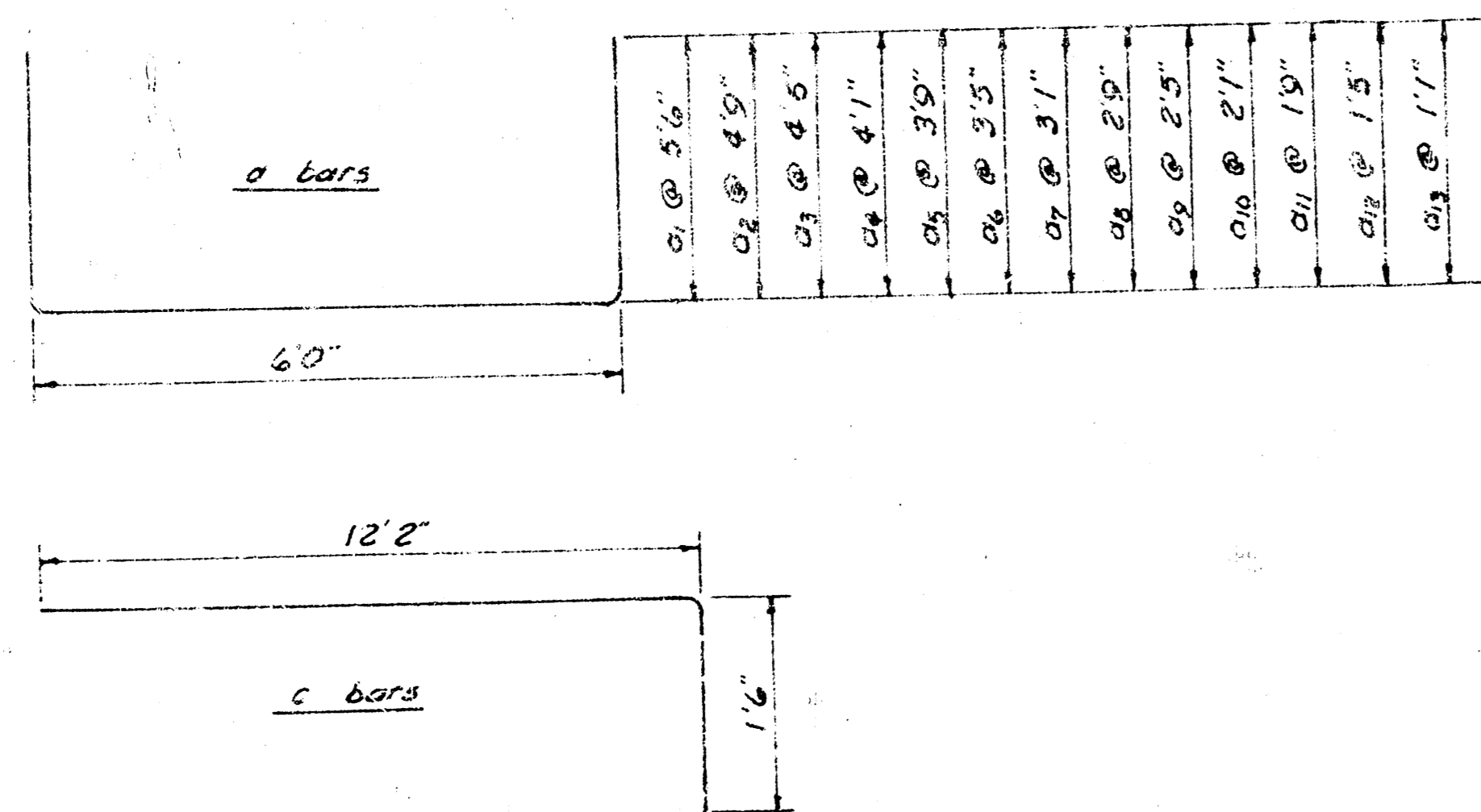
PLAN
Scale: 1/8"=1'-0"



FRONT
Scale: 1/4"=1'-0"



SECTION
Scale: 1/8"=1'-0"

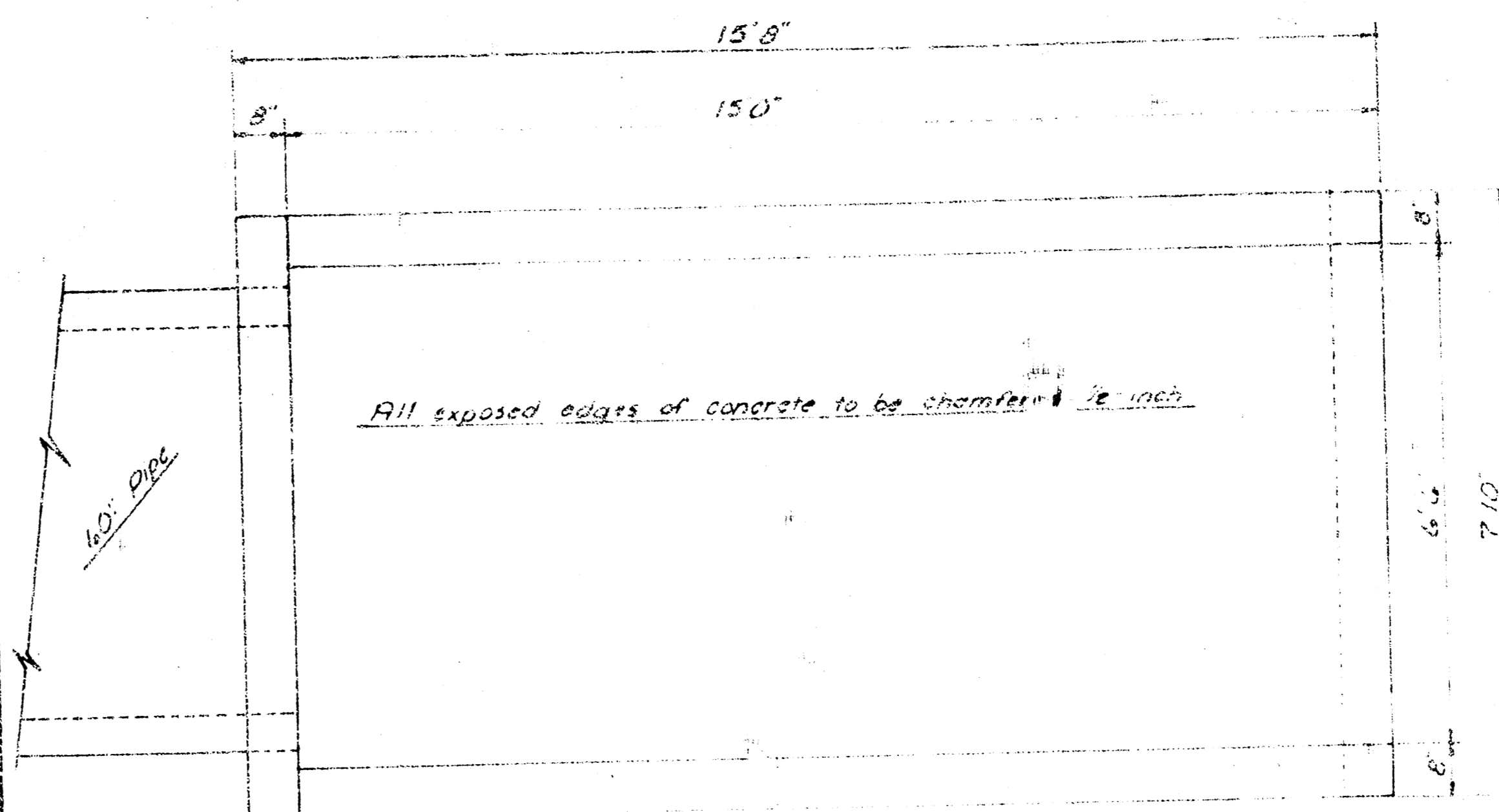


HEADWALL FOR 48" PIPE

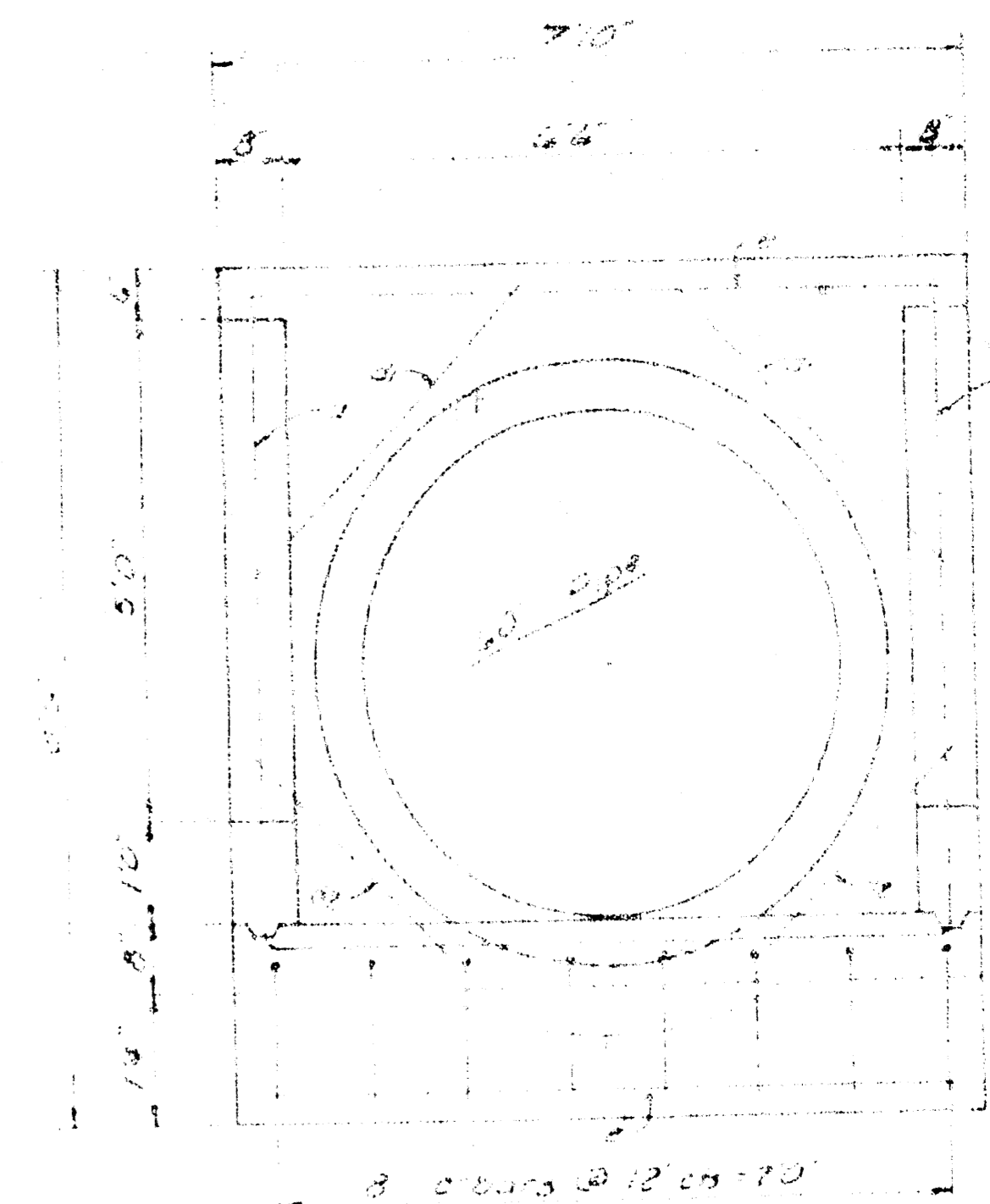
REBAR SCHEDULE

Bar	Shape	No. & Length	Weight
a1		1 @ 17'0"	11.34
a2		1 @ 15'6"	10.35
a3		1 @ 14'10"	9.91
a4		1 @ 14'2"	9.66
a5		1 @ 13'6"	9.02
a6		1 @ 12'10"	8.57
a7		1 @ 12'2"	8.13
a8		1 @ 11'6"	7.68
a9		1 @ 10'10"	7.24
a10		1 @ 10'2"	6.79
a11		1 @ 9'6"	6.35
a12		1 @ 8'10"	5.90
a13		1 @ 8'3"	5.51
b1		2 @ 12'3"	16.37
b2		2 @ 9'3"	12.36
b3		2 @ 5'3"	7.01
b4		2 @ 3'3"	4.34
c		7 @ 13'8"	63.91
d		2 @ 3'10"	5.12
d1		2 @ 2'6"	3.36
e		2 @ 4'2"	8.24
f		2 @ 12'11"	17.24

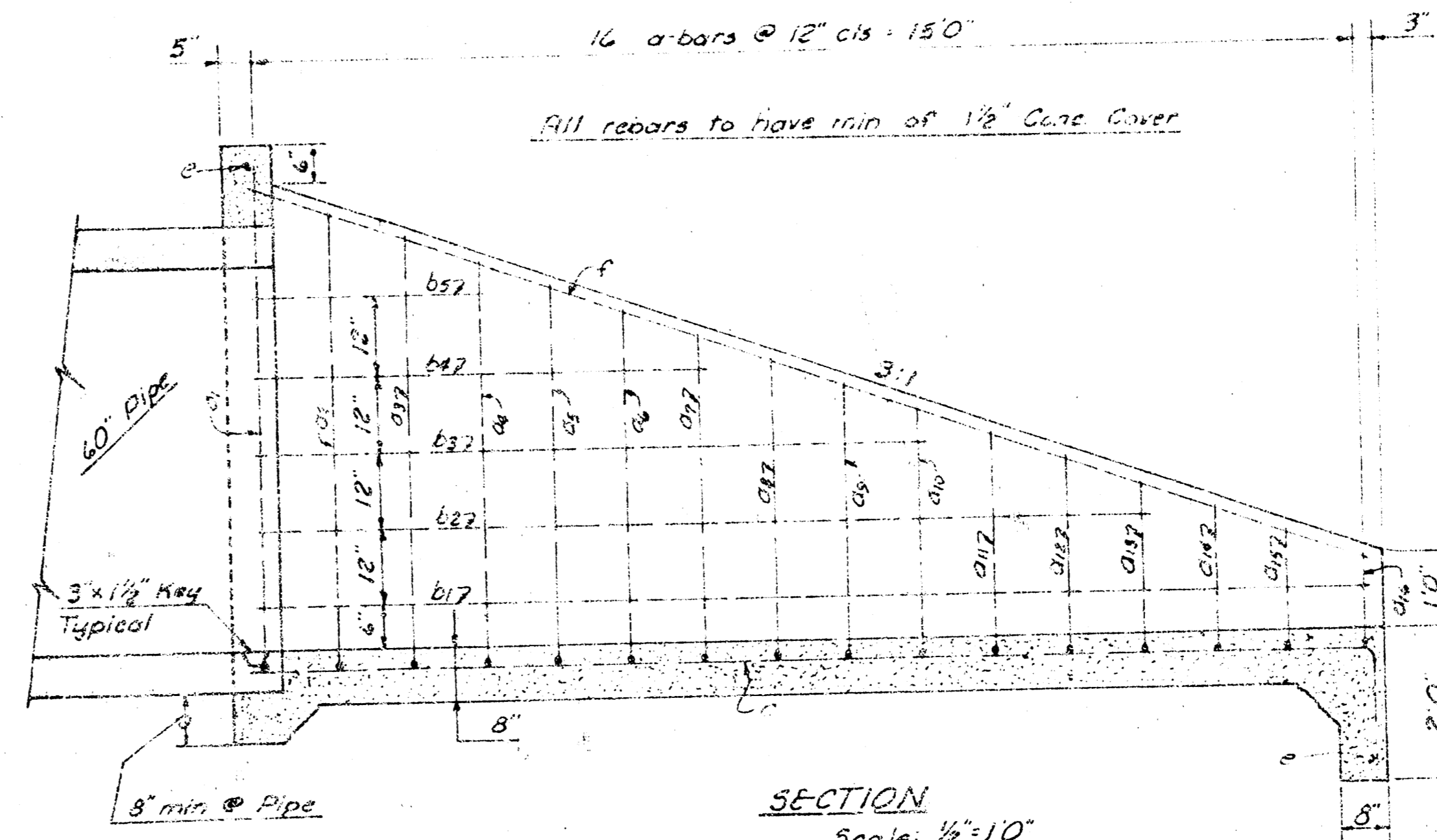
Total Rebars 245 lbs.
Conc. 5.21 C.Y.
All Conc. Reinforcement to be #4 bars.



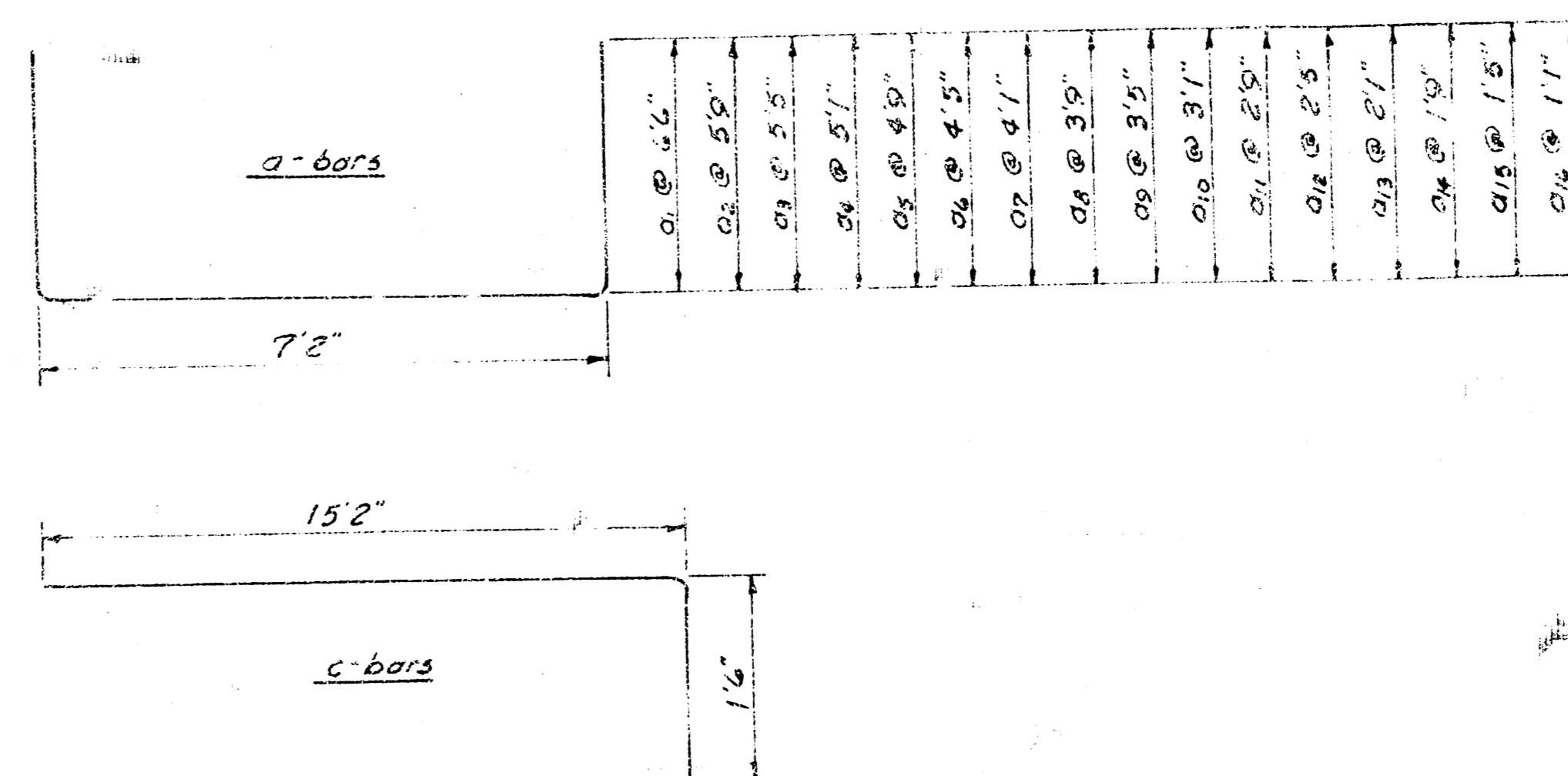
PLAN
Scale: 1/8"=1'-0"



FRONT
Scale: 1/4"=1'-0"



SECTION
Scale: 1/8"=1'-0"



HEADWALL FOR 60" PIPE

REBAR SCHEDULE

Bar	Shape	No. & Length	Weight
a1		1 @ 20'0"	13.47
a2		1 @ 18'8"	12.47
a3		1 @ 18'0"	12.02
a4		1 @ 17'4"	11.53
a5		1 @ 16'8"	11.11
a6		1 @ 16'0"	10.68
a7		1 @ 15'4"	10.24
a8		1 @ 14'8"	9.80
a9		1 @ 14'0"	9.35
a10		1 @ 13'4"	8.91
a11		1 @ 12'8"	8.46
a12		1 @ 12'0"	8.02
a13		1 @ 11'4"	7.57
a14		1 @ 10'8"	7.13
a15		1 @ 10'0"	6.68
a16		1 @ 9'4"	6.23
b1		2 @ 15'3"	20.37
b2		2 @ 12'3"	16.37
b3		2 @ 9'3"	12.36
b4		2 @ 4'3"	4.34
c1		2 @ 3'3"	4.34
c2		8 @ 16'8"	85.07
c3		2 @ 2'0"	5.34
d1		2 @ 2'0"	5.34
d2		2 @ 2'0"	5.34
e		2 @ 7'4"	9.60
f		2 @ 16'0"	21.38

Total Rebars 345 lbs.
Conc. 7.25 C.Y.
All Conc. Reinforcement to be #4 bars.