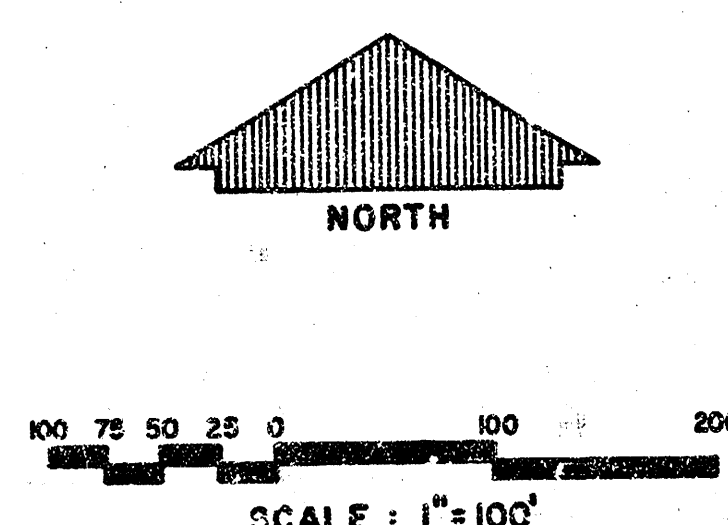


B.M. 195.46 CHISLED "D" CENTER HEADWALL
60' W. AND 60' N. 21 ST. AND EDGEWOOD.



IMPROVEMENT DISTRICT
BOUNDARY

CHANNEL CONSTRUCTION
BY OTHERS
(SEE NOTE)

DITCH INLET
DETAIL SHEET 9

LINE 1
SHEET 2

HEADWALL DETAIL
SHEET 8

LINE 3
SHEET 4

LINE 4
SHEET 5

LINE 6
SHEET 6

LINE 5
SHEET 6

LINE 7
SHEET 7

PART 2 R.C. BOX
STRUCTURE

MAINSGATE
ROAD

DRIVE

EDGEWOOD

PART I STORM SEWER ONLY

DRAINAGE IN CONNECTION WITH PAVING:

RIDGEWOOD AND MAINSGATE - N.L. OF ADDN. TO E.L. OF ADDN.

RIDGEWOOD - N.L. WILLIE COLE ADDN. TO S.L. MAINSGATE

CROYDEN - W.L. ADDN. TO W.L. OF RIDGEWOOD

RIDGEWOOD CT. - SERVING LOTS 5 THRU 14 BLK 4 FROM W.L. RIDGEWOOD & INCL. CUL-DE-SAC

RIDGEWOOD CT. - SERVING LOTS 26 THRU 33 BLK 3 FROM E.L. RIDGEWOOD & INCL. CUL-DE-SAC

CROYDEN CIRCLE - E.L. RIDGEWOOD TO & INCL. CUL-DE-SAC

RIDGEWOOD CT. - SERVING LOTS 6 THRU 14 BLK 3 FROM E.L. RIDGEWOOD TO & INCL. CUL-DE-SAC

RIDGEWOOD CT. - SERVING LOTS 1 THRU 8 BLK 2 FROM E.L. RIDGEWOOD TO & INCL. CUL-DE-SAC

CITY OF WICHITA

DEAN SELLERS - ACTING CITY ENGINEER

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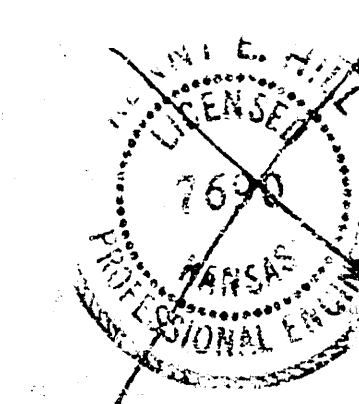
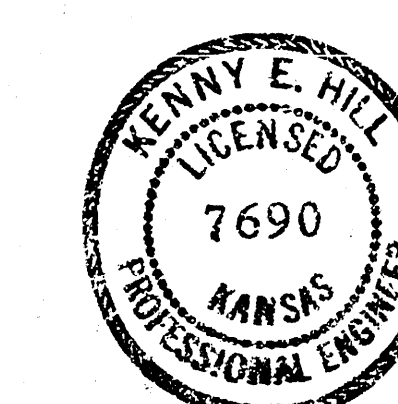
DATE

TABLE OF CONTENTS

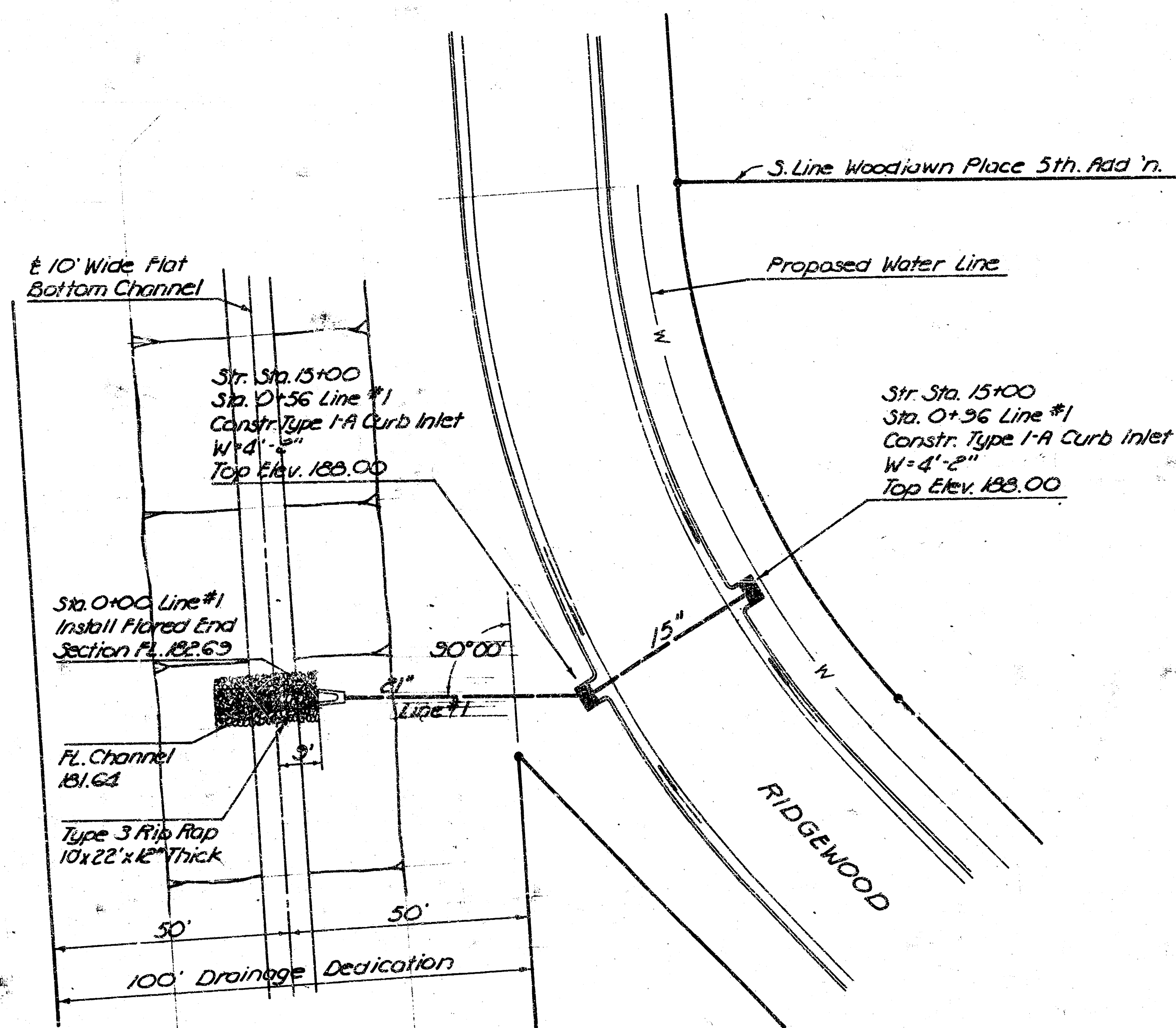
Cover Sheet	Sheet 1
Line 1	Sheet 2
Line 2	Sheet 3
Line 3	Sheet 4
Line 4	Sheet 5
Line 5	Sheet 6
Line 6	Sheet 6
Line 7	Sheet 7
Headwall Detail	Sheet 8
Ditch Inlet	Sheet 9
Curb Inlet	Sheet 10

GENERAL NOTES

- 1) CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS, AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
- 2) FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES 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 METAL PIPES SHALL BE HELICALLY CORRUGATED PIPE FULLY COATED BOTH INSIDE AND OUTSIDE. THE COATING MAY BE BITUMINOUS OR POLYMERIC AS SPECIFIED IN AASHTO DESIGNATION: M246-78, TYPE B. ALL SUCH COATED CORRUGATED PIPE SHALL BE SMOOTH FLOW PIPES FOR SIZES 24" DIAMETER OR LARGER. ALL CONNECTIONS FOR THESE FULLY COATED OR FULLY PAVED AND FULLY COATED PIPES SHALL BE FAIRLY WATER-TIGHT CONSTRUCTED USING HUGGER TYPE COUPLER OR EQUAL.
- 5) ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.
- 6) THE RIPRAP FOR THIS PROJECT SHALL BE TYPE 3. THE TYPE 3 RIPRAP SHALL BE 12" RIPRAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIPRAP AND GRAVEL PROTECTION SHALL BE HARD, DENSE, DURABLE, AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OF ROCK USED SHALL BE A MAXIMUM OF ONE CUBIC FOOT AND A MINIMUM OF 1 1/2 INCH. THE 6 INCH SAND AND GRAVEL BEDDING FOR RIPRAP SHALL BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND AND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF 1 1/2 INCHES IN SIZE.
- 7) CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPT. ENGINEER.
- 8) 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.
- 9) CONSTRUCTION OF THE CHANNEL ON THE WEST SIDE OF THIS ADDITION WILL BE BY PRIVATE CONTRACT.

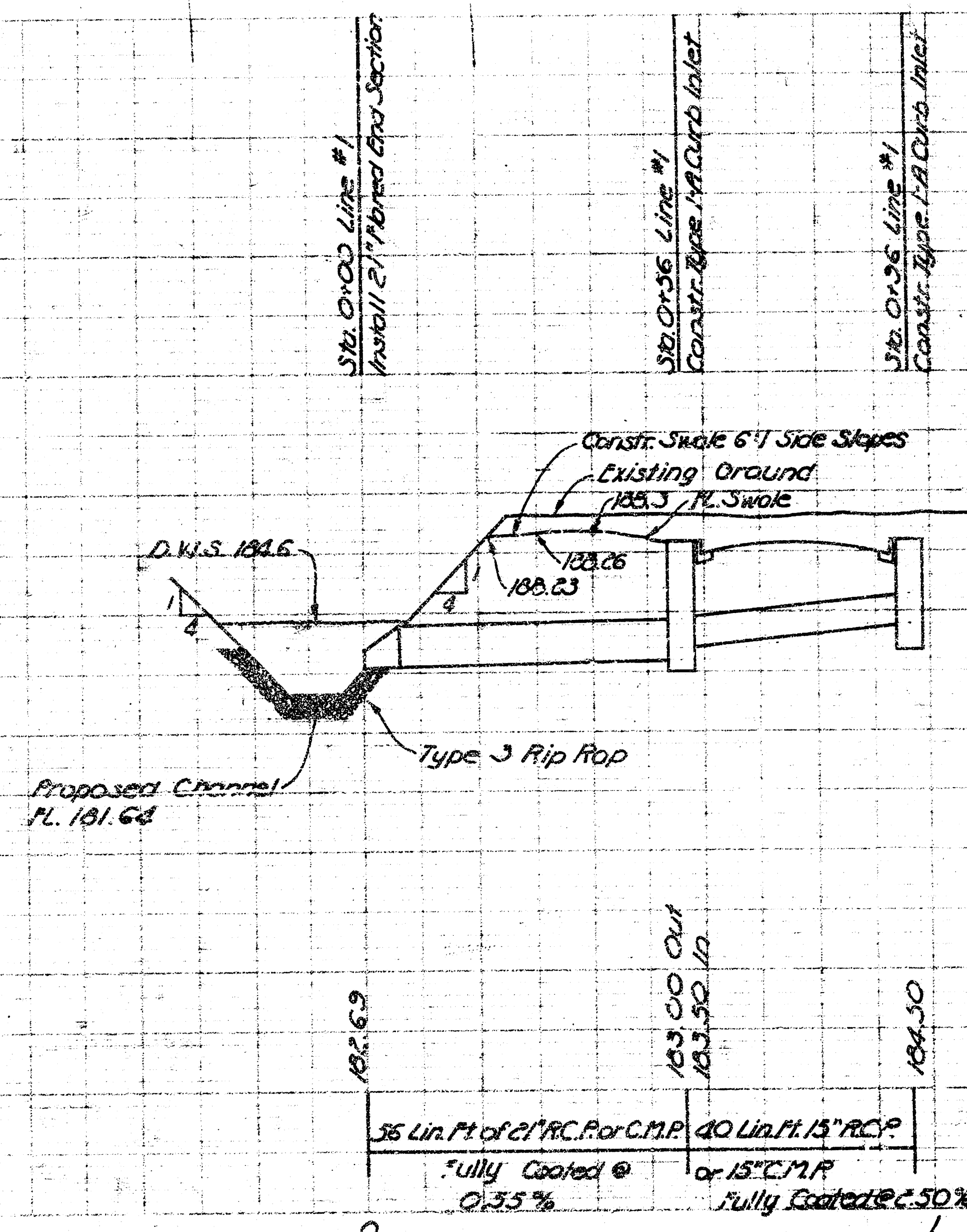


EDGEWOOD

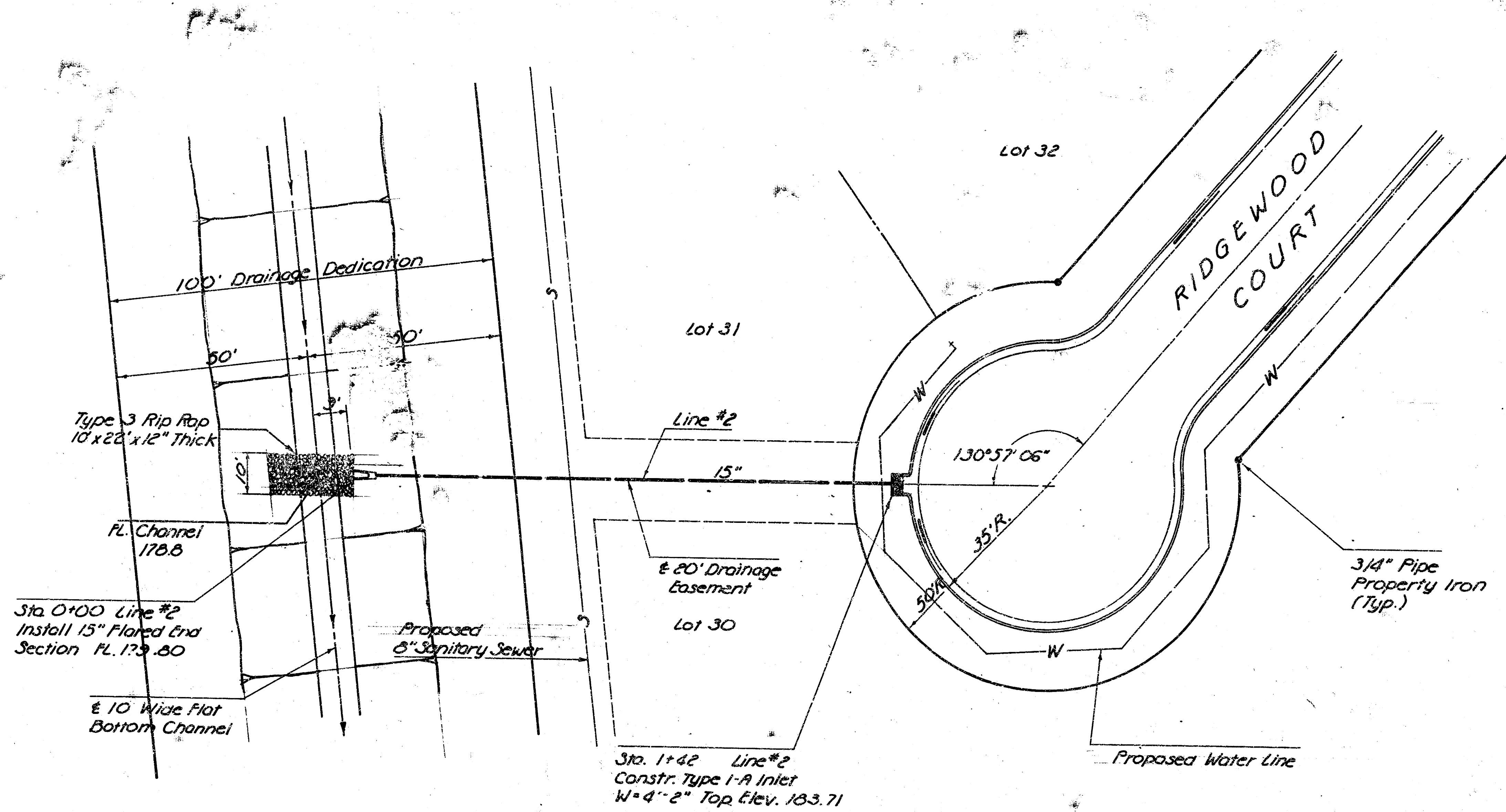


Scale: 1"=20'

SCALE:
Horiz. 1"=20'
Vert. 1"=5'

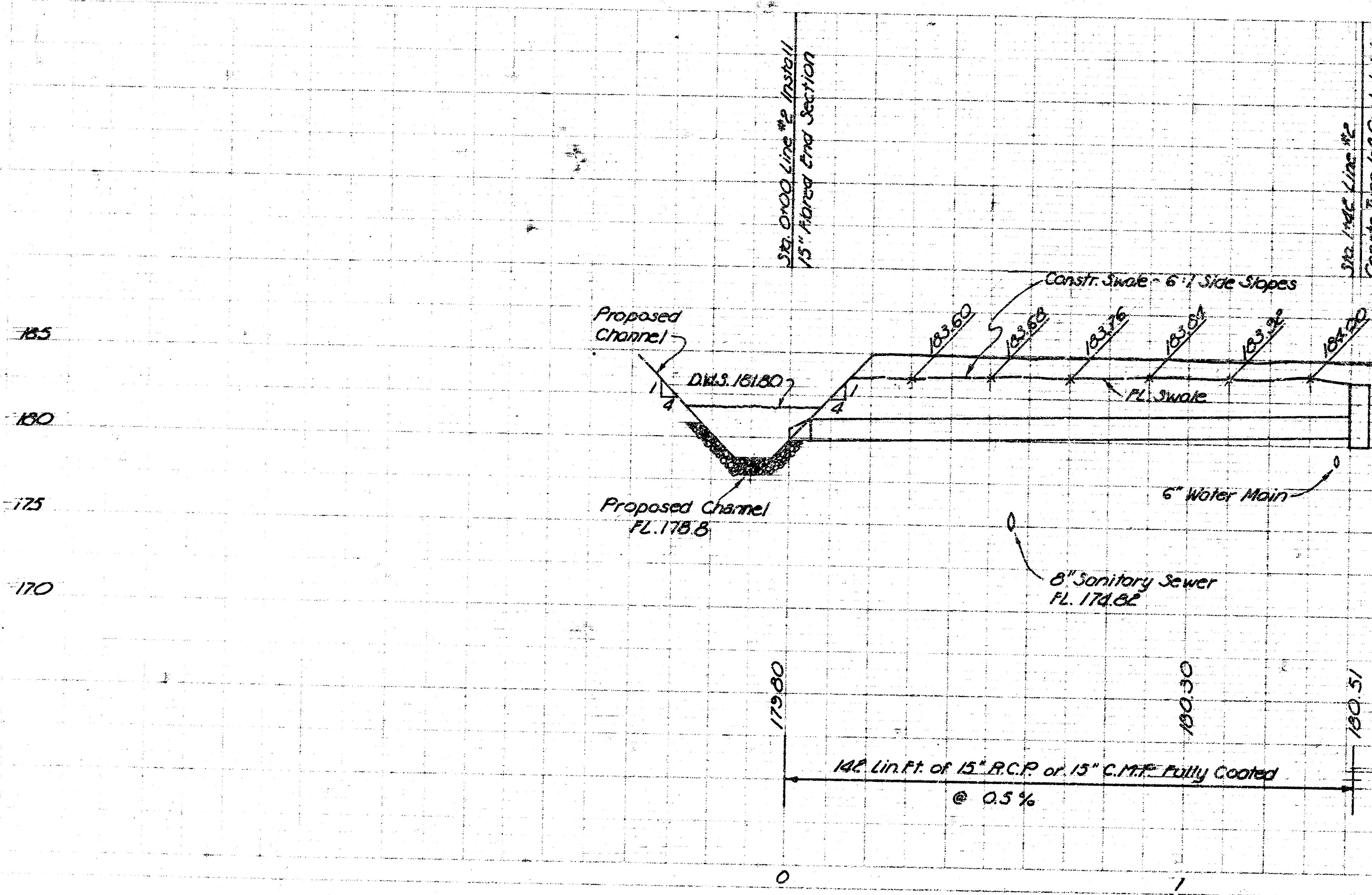


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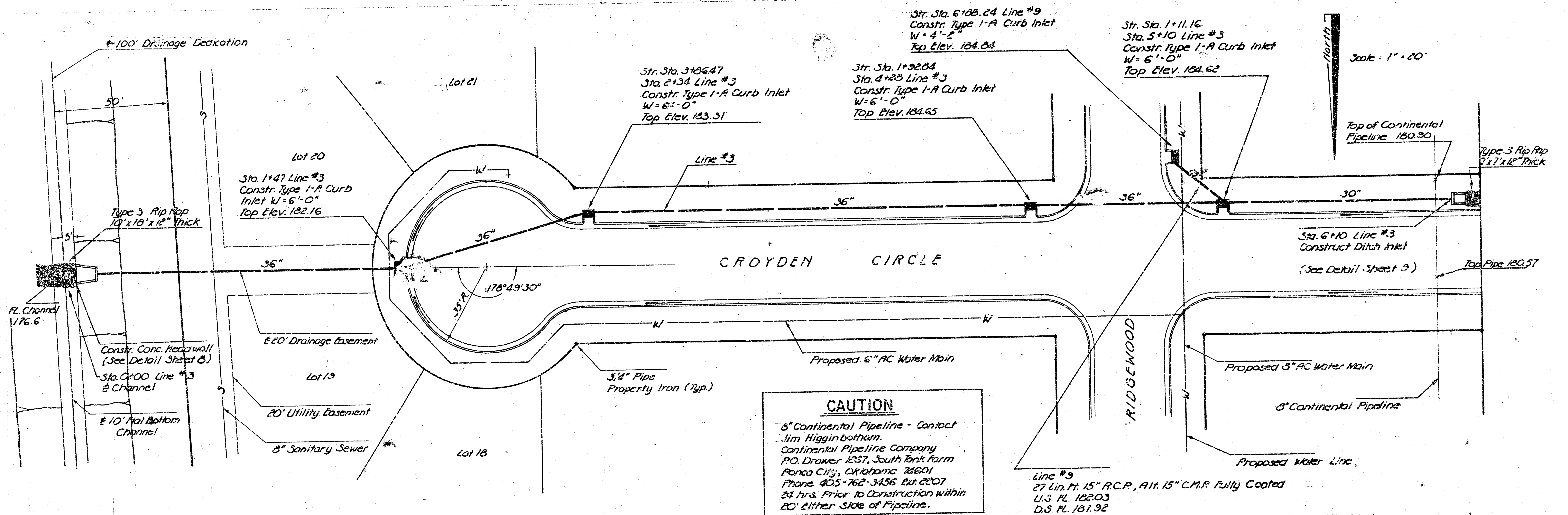


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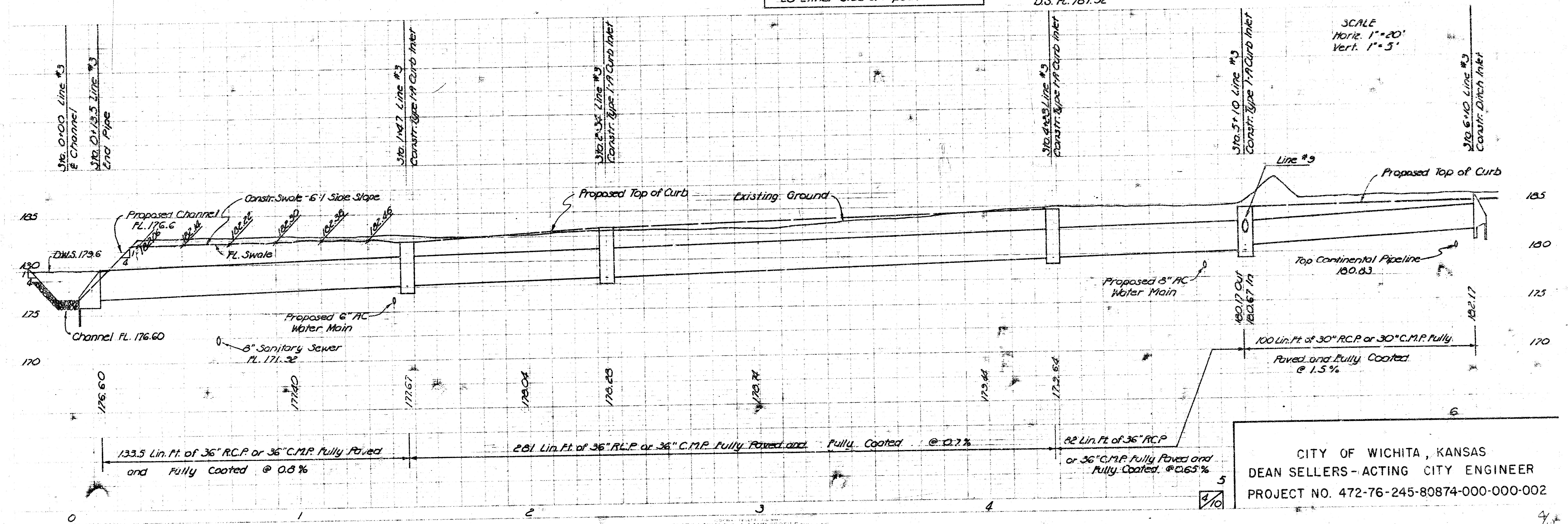


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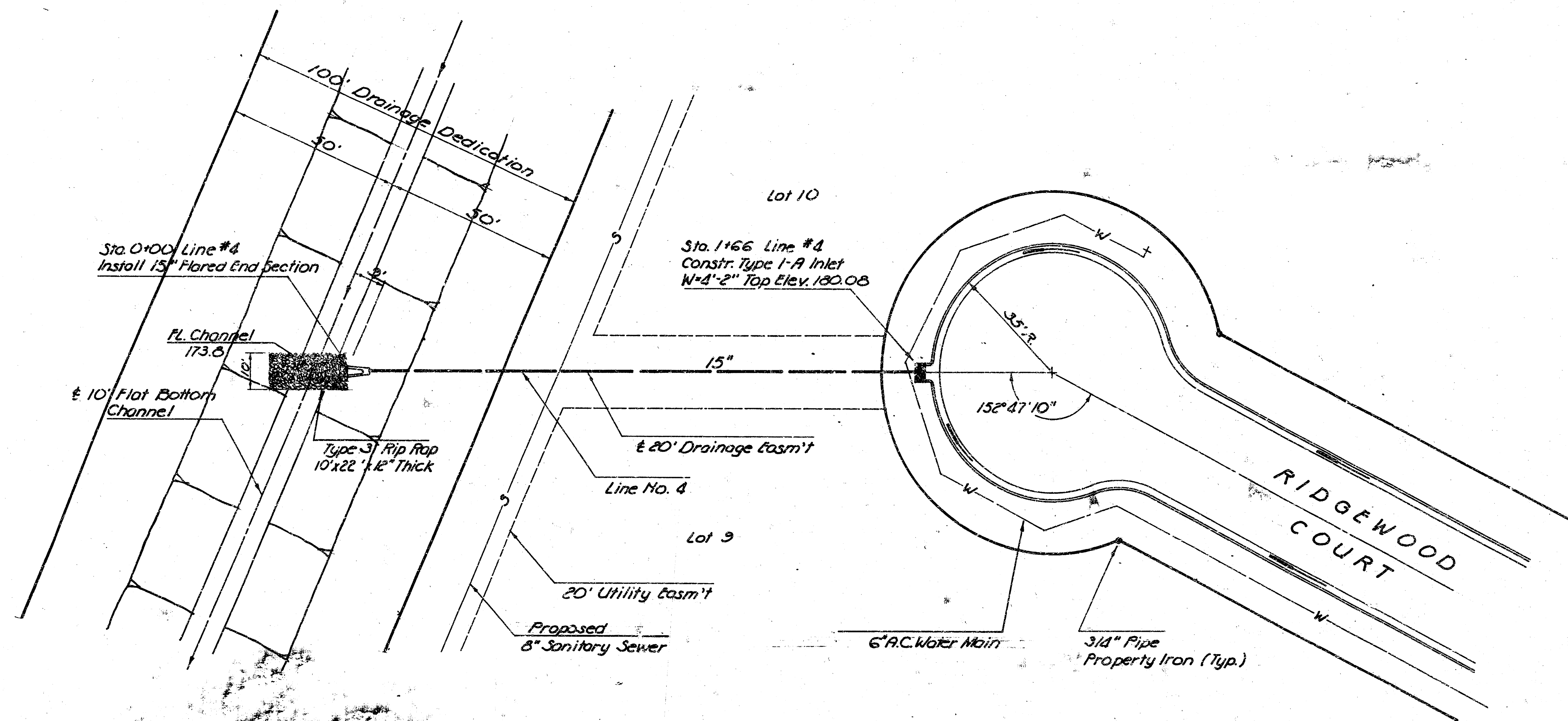


CAUTION
 8" Continental Pipeline - Contact Jim Higginbotham, Continental Pipeline Company, P.O. Drawer 1257, South Fork Farm, Ponca City, Oklahoma 74601, Phone 405-762-3456 Ext. 2207 24 hrs. Prior to Construction within 20' Either Side of Pipeline.

North
 Scale: 1" = 20'

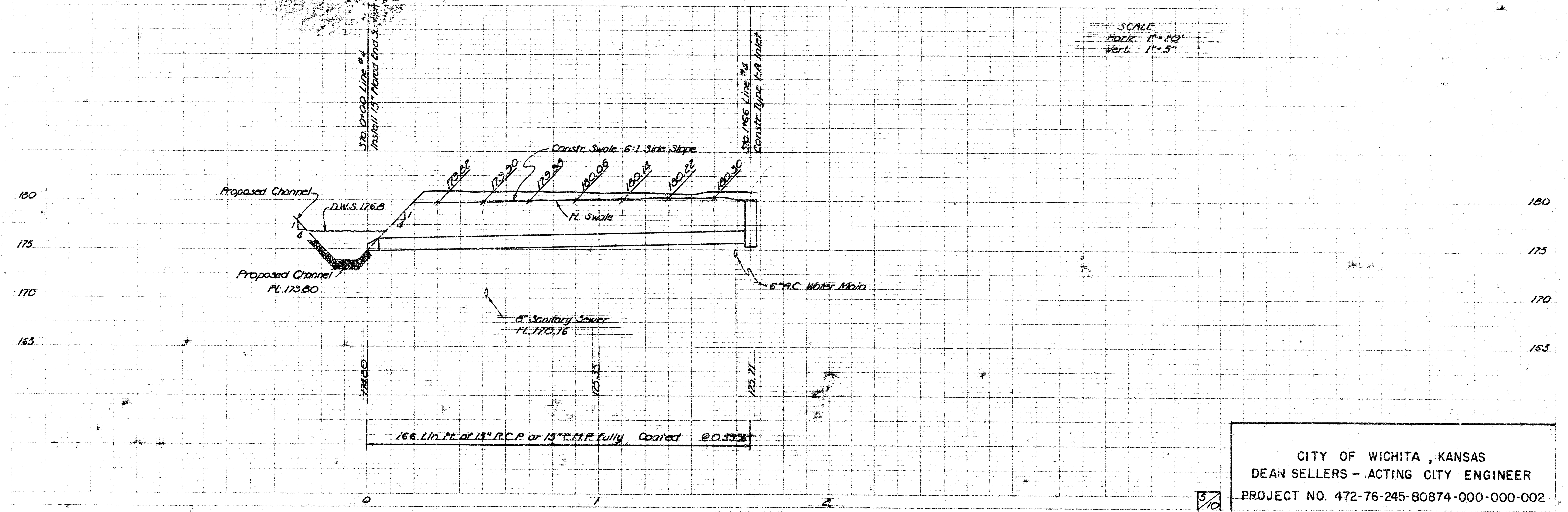


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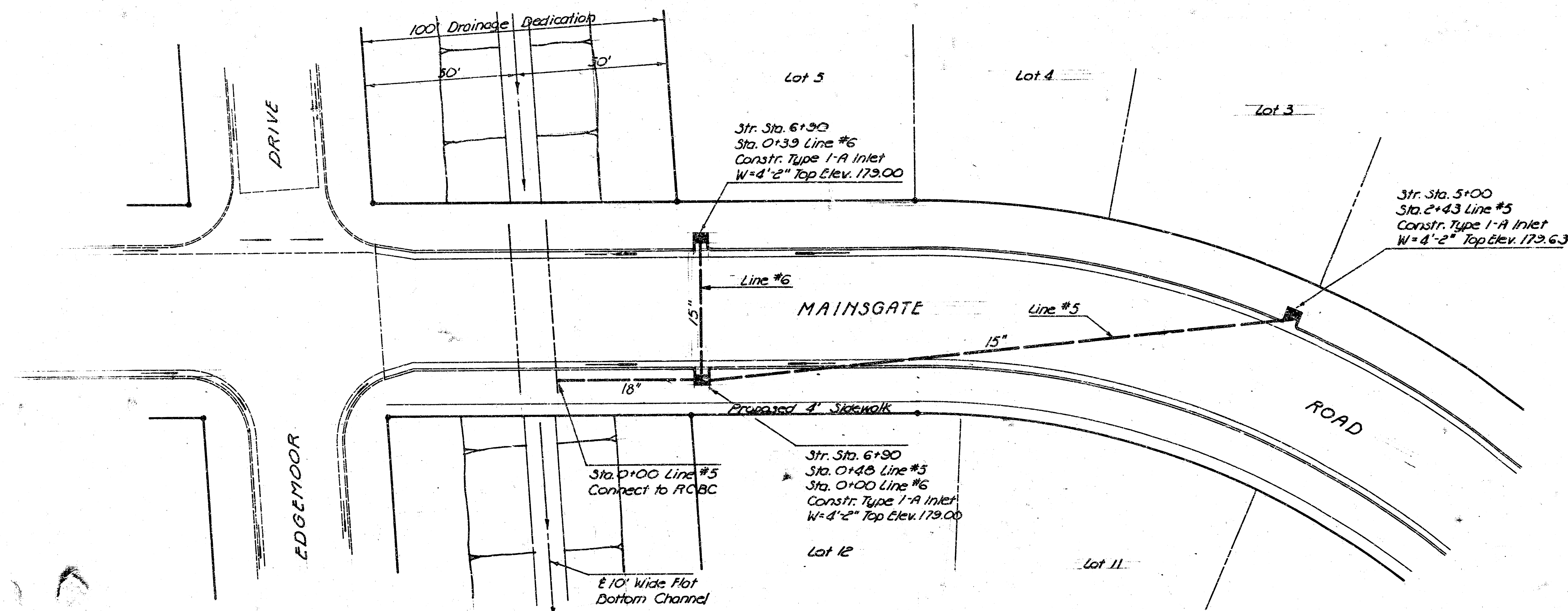


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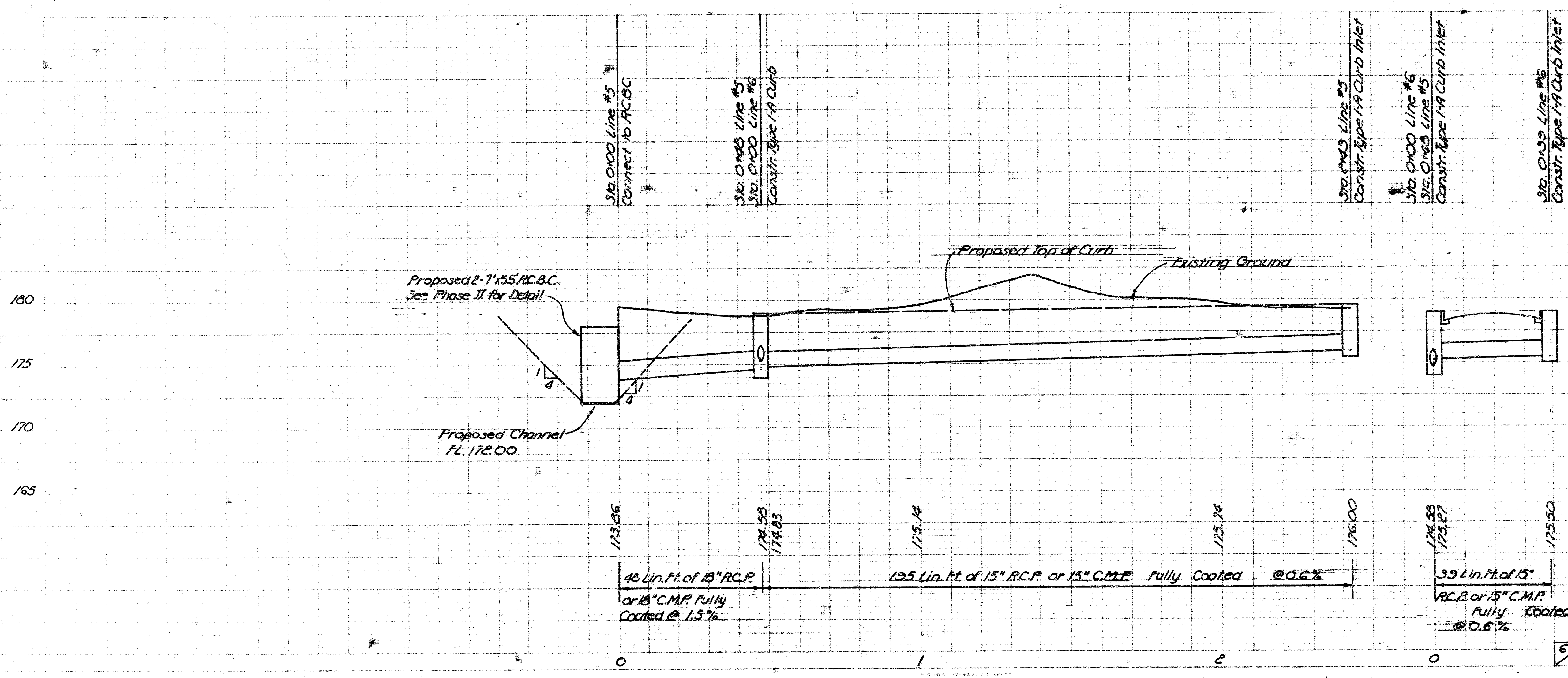
SCALE
Horiz. 1" = 20'
Vert. 1" = 5'



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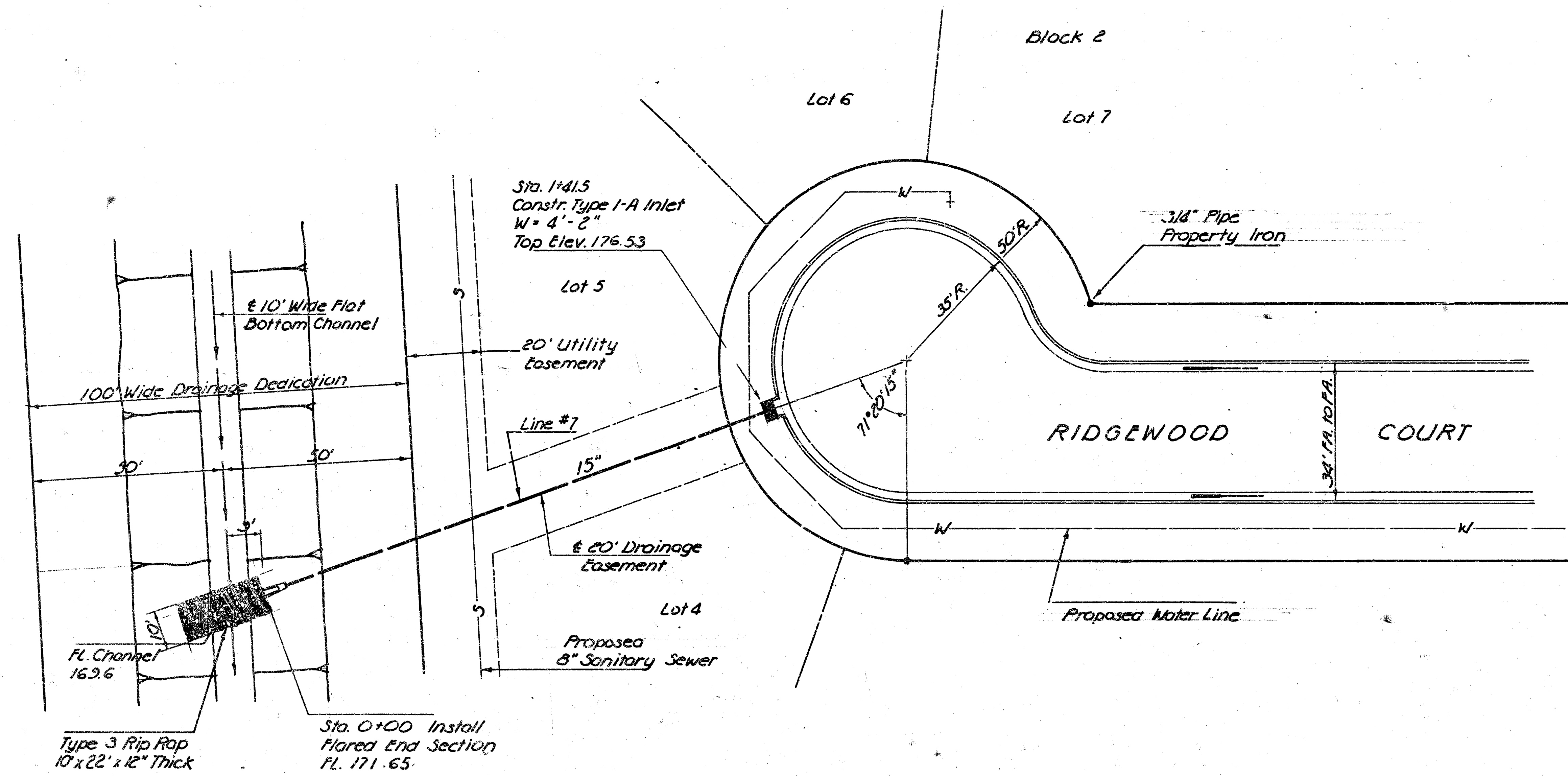


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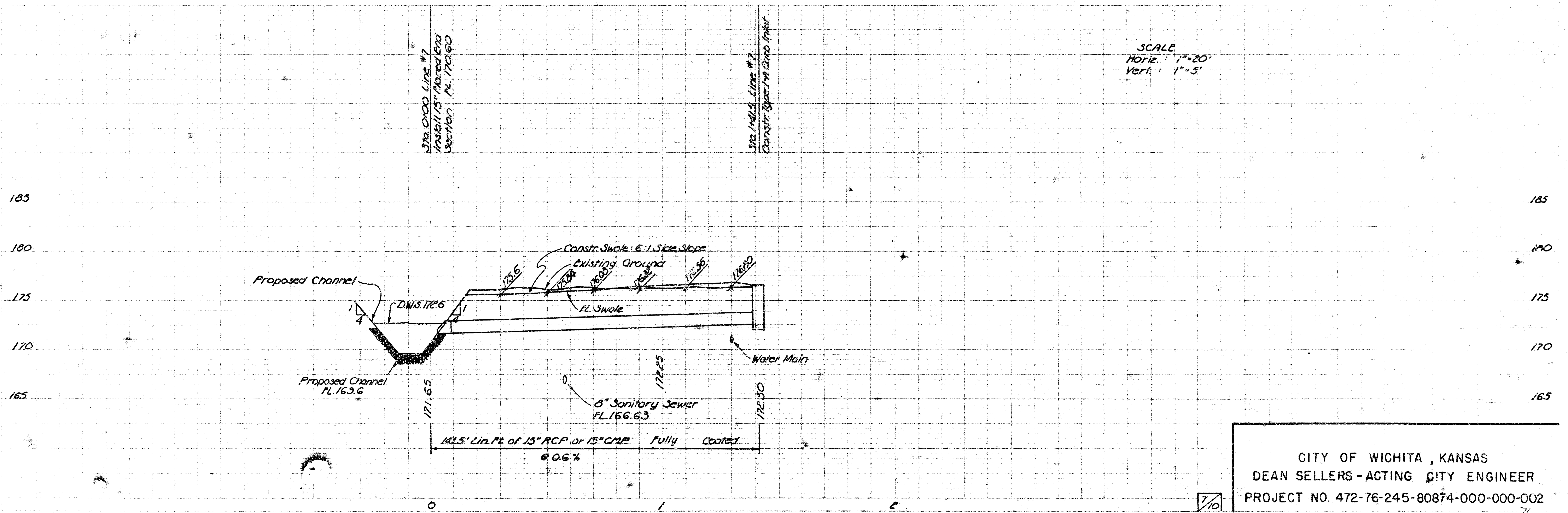


SCALE
HORIZ: 1"=20'
VERT: 1"=5'

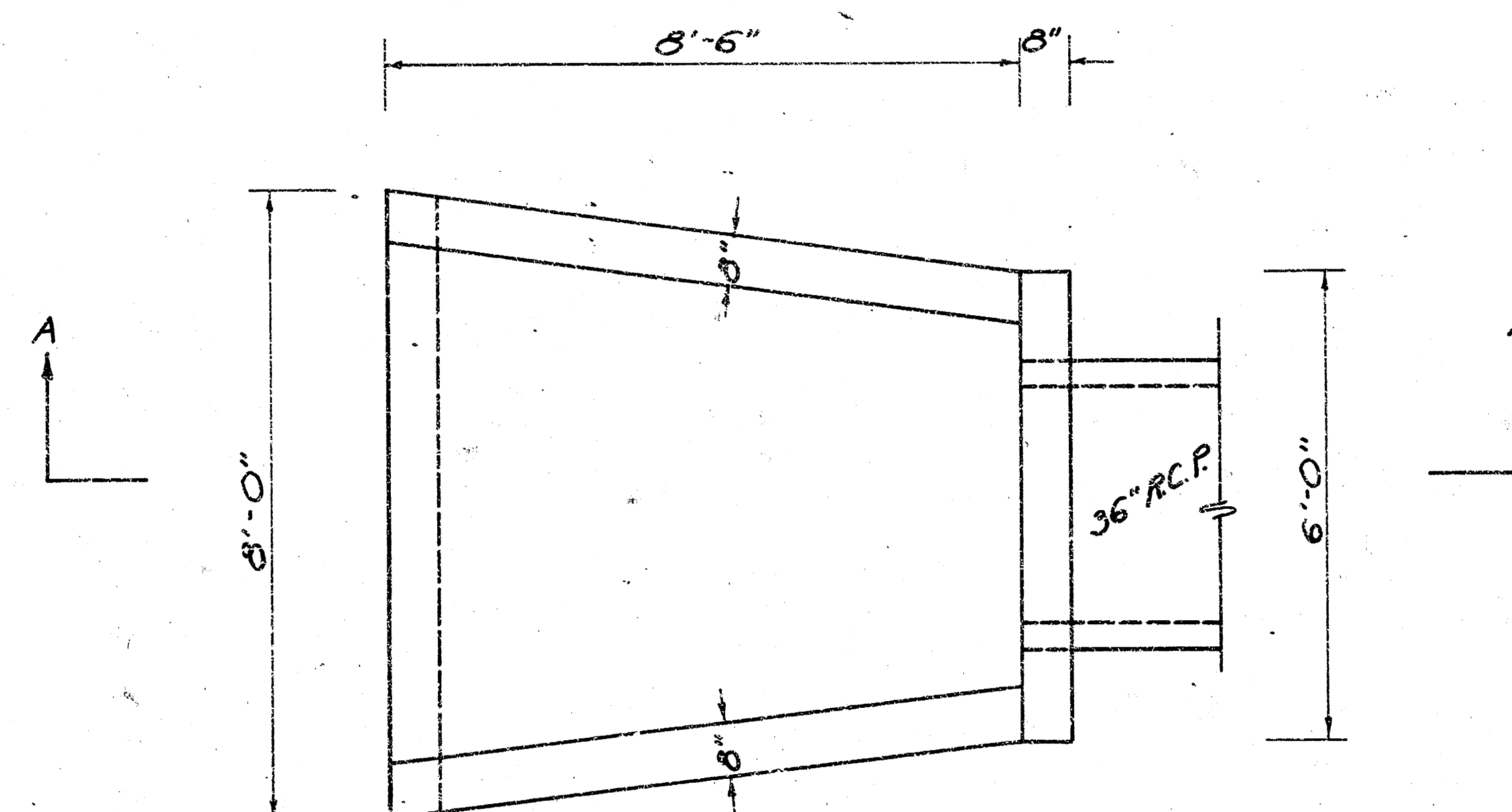
CITY OF WICHITA, KANSAS
DEAN SELLER - ACTING CITY ENGINEER
PROJECT NO. 472-76-245-80874-000-000-002



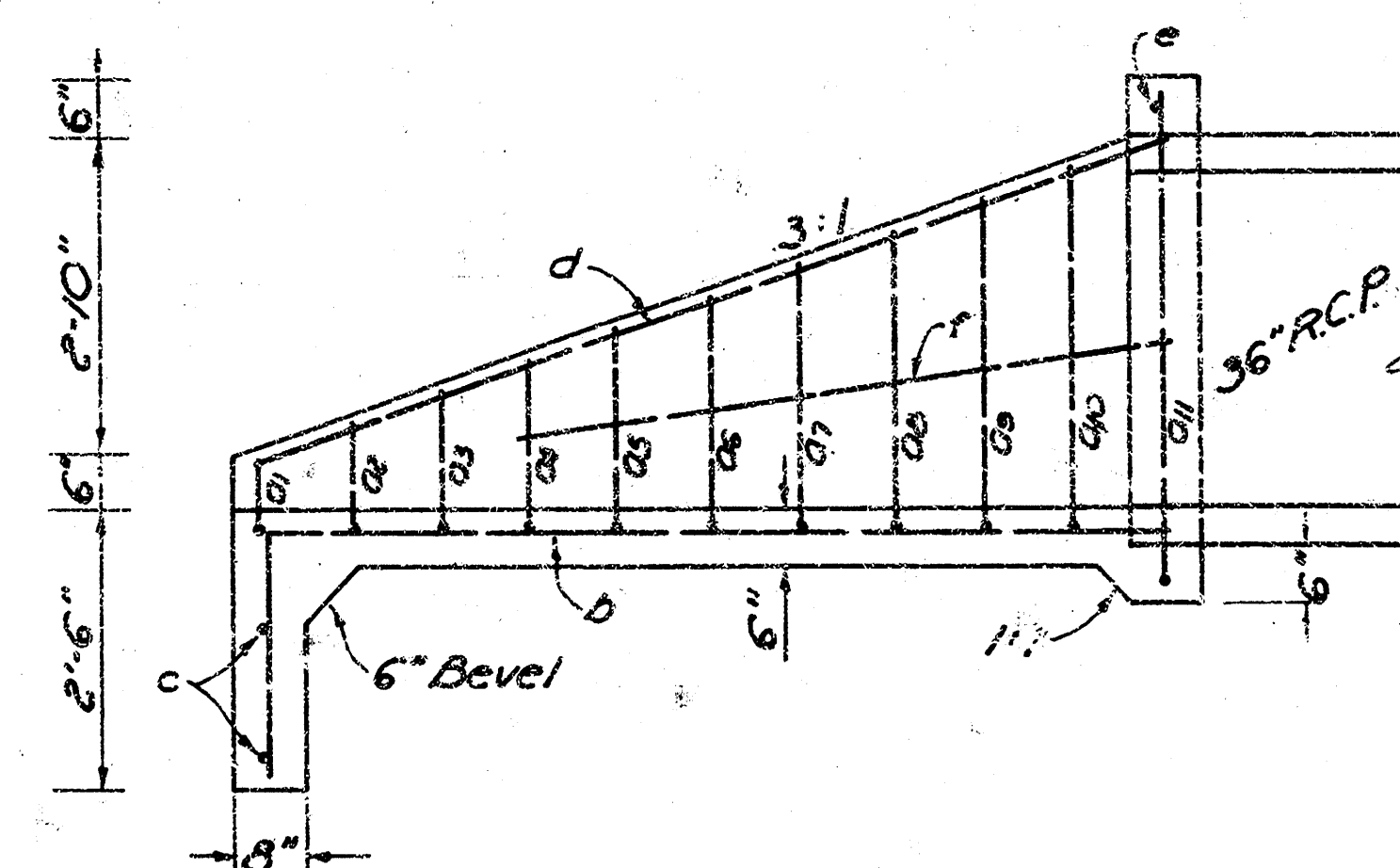
Scale: 1"=20'



CITY OF WICHITA, KANSAS
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PLAN
Scale: 1/2" = 1'-0"



SECTION A-A
Scale: 1/2" = 1'-0"

a1	7'-3"
a2	7'-1"
a3	6'-10"
a4	6'-8"
a5	6'-6"
a6	6'-4"
a7	6'-1"
a8	5'-11"
a9	5'-9"
a10	5'-6"
a11	5'-4"

a1	7'-3"
a2	7'-1"
a3	6'-10"
a4	6'-8"
a5	6'-6"
a6	6'-4"
a7	6'-1"
a8	5'-11"
a9	5'-9"
a10	5'-6"
a11	5'-4"

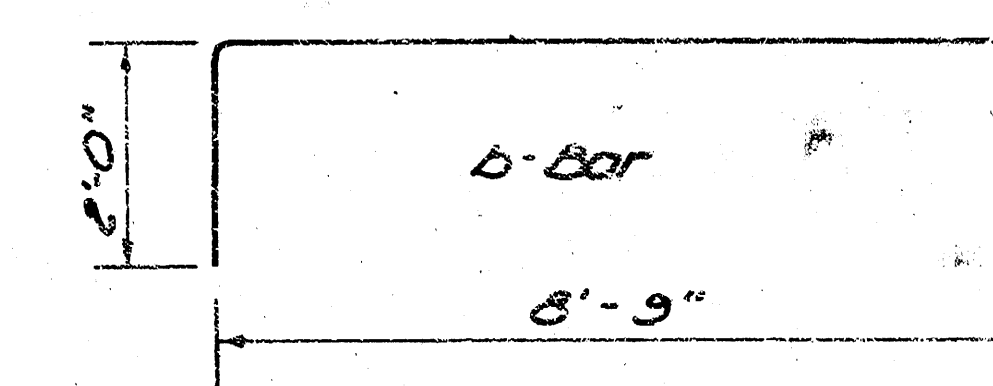
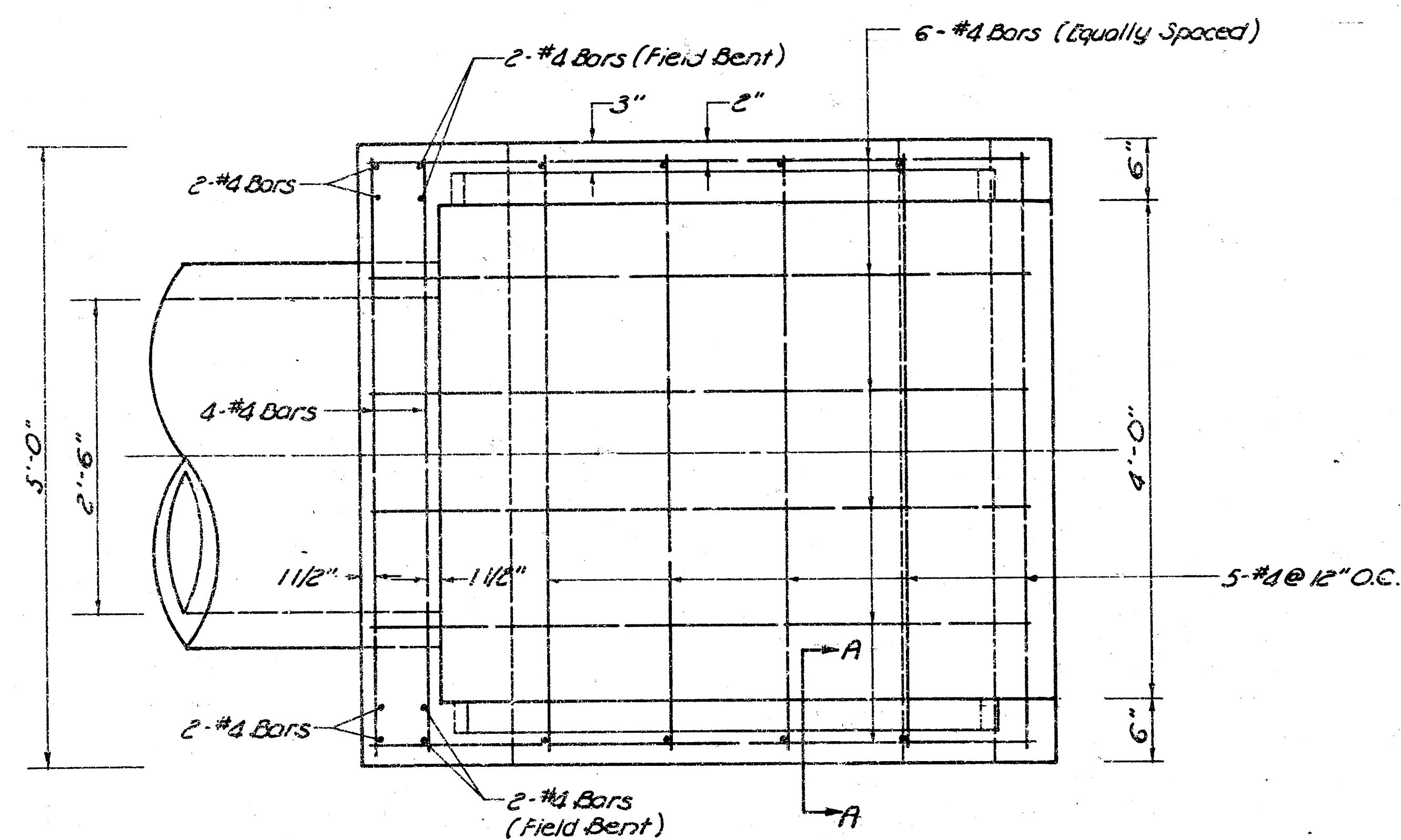


TABLE of QUANTITIES				
Bars	Number	Length	Shape	Weight
a1	1	8'-7"		5.73
a2	1	8'-11"		5.96
a3	1	9'-4"		6.23
a4	1	9'-8"		6.46
a5	1	10'-2"		6.73
a6	1	10'-6"		7.01
a7	1	10'-11"		7.29
a8	1	11'-3"		7.52
a9	1	11'-7"		7.74
a10	1	12'-0"		8.02
a11	1	13'-5"		9.13
b	9	10'-9"		64.63
c	2	7'-6"		10.02
d	2	9'-0"		12.02
e	1	5'-8"		3.79
f	2	6'-6"		8.63
Total Reinforcement				172.02 lbs.
Concrete				2.87 C.Y.

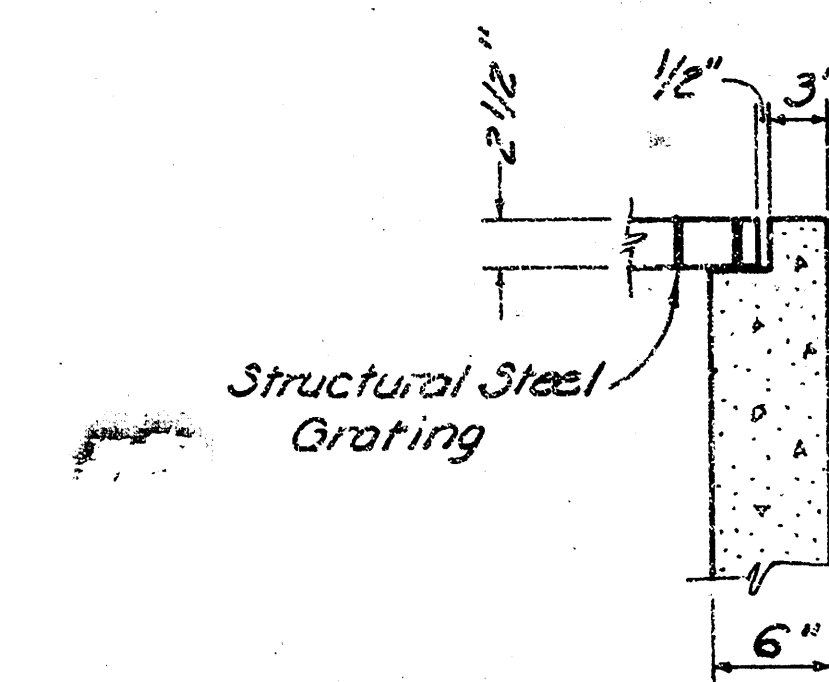
All Rebar is #4

HEADWALL DETAIL for 36" PIPE

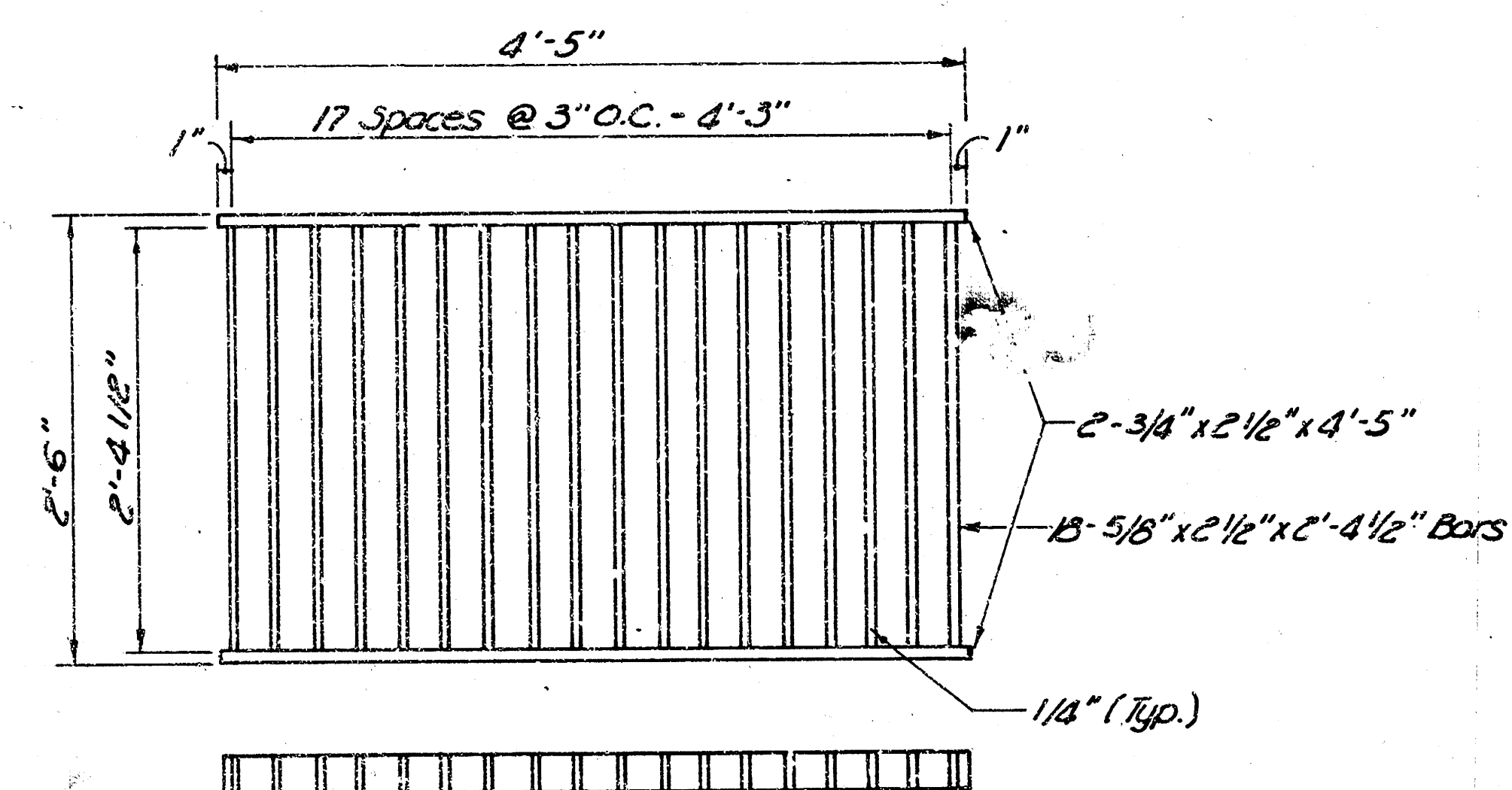
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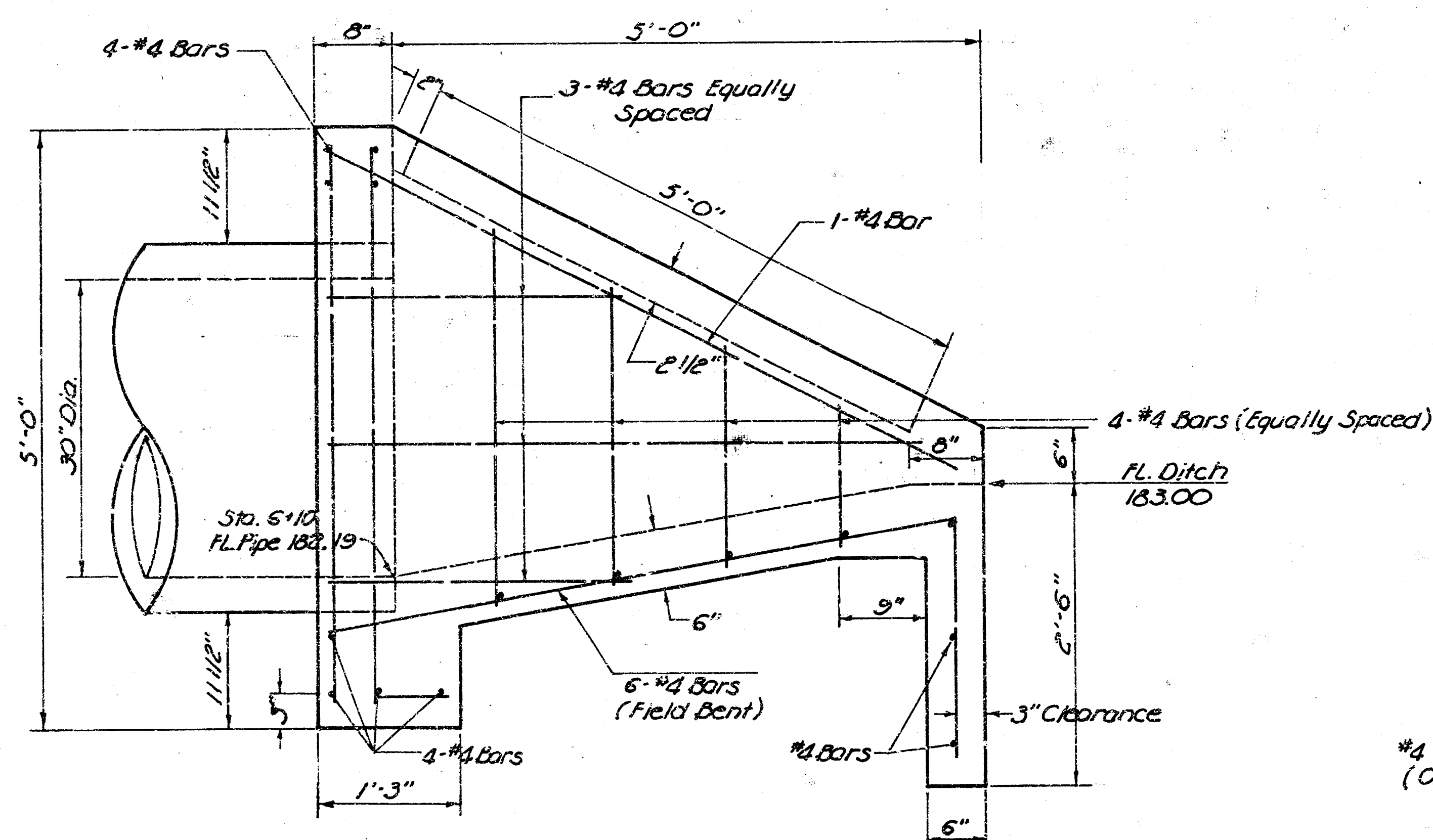
PLAN



SECTION A-A

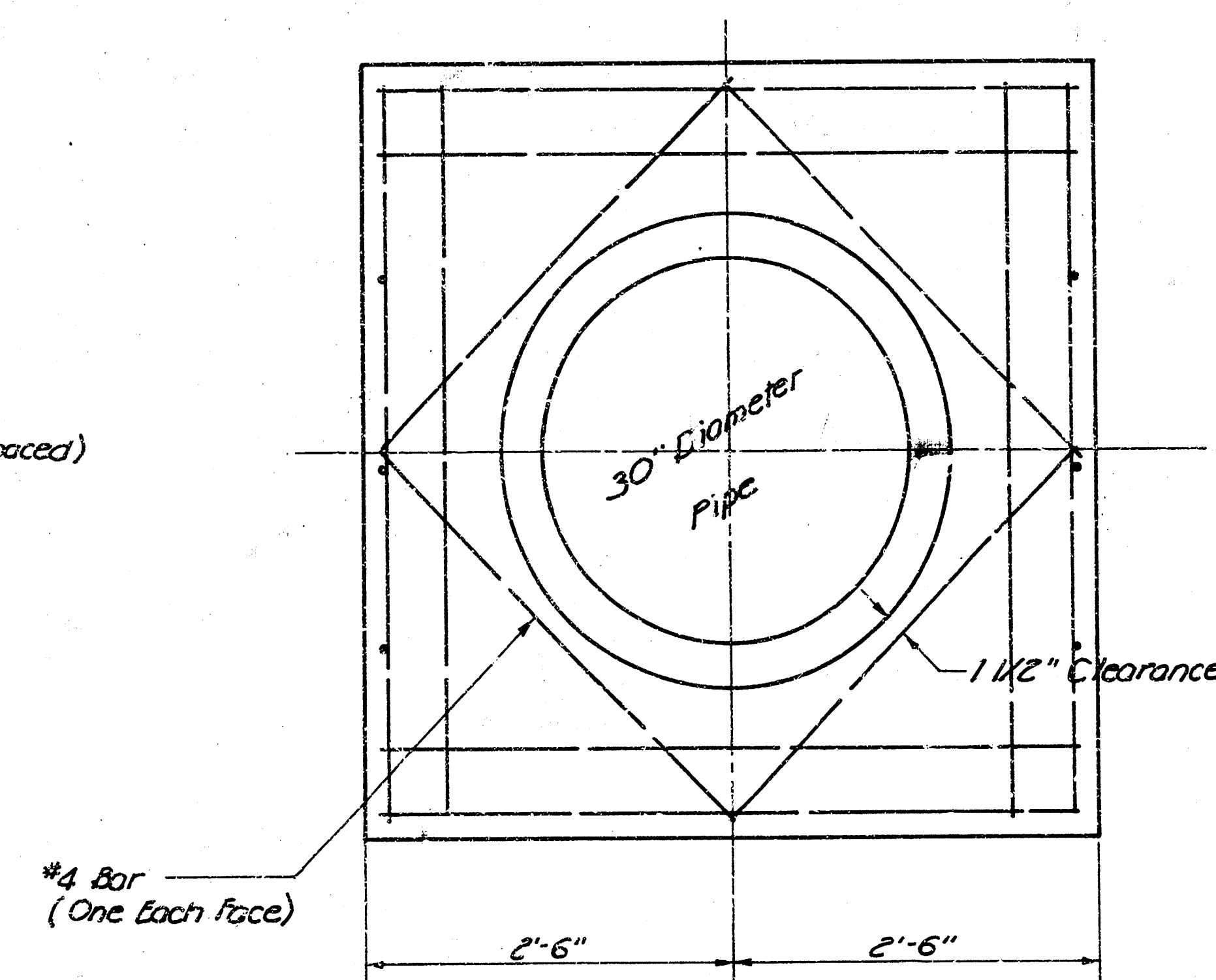


STRUCTURAL STEEL GRATING
(Two Required)

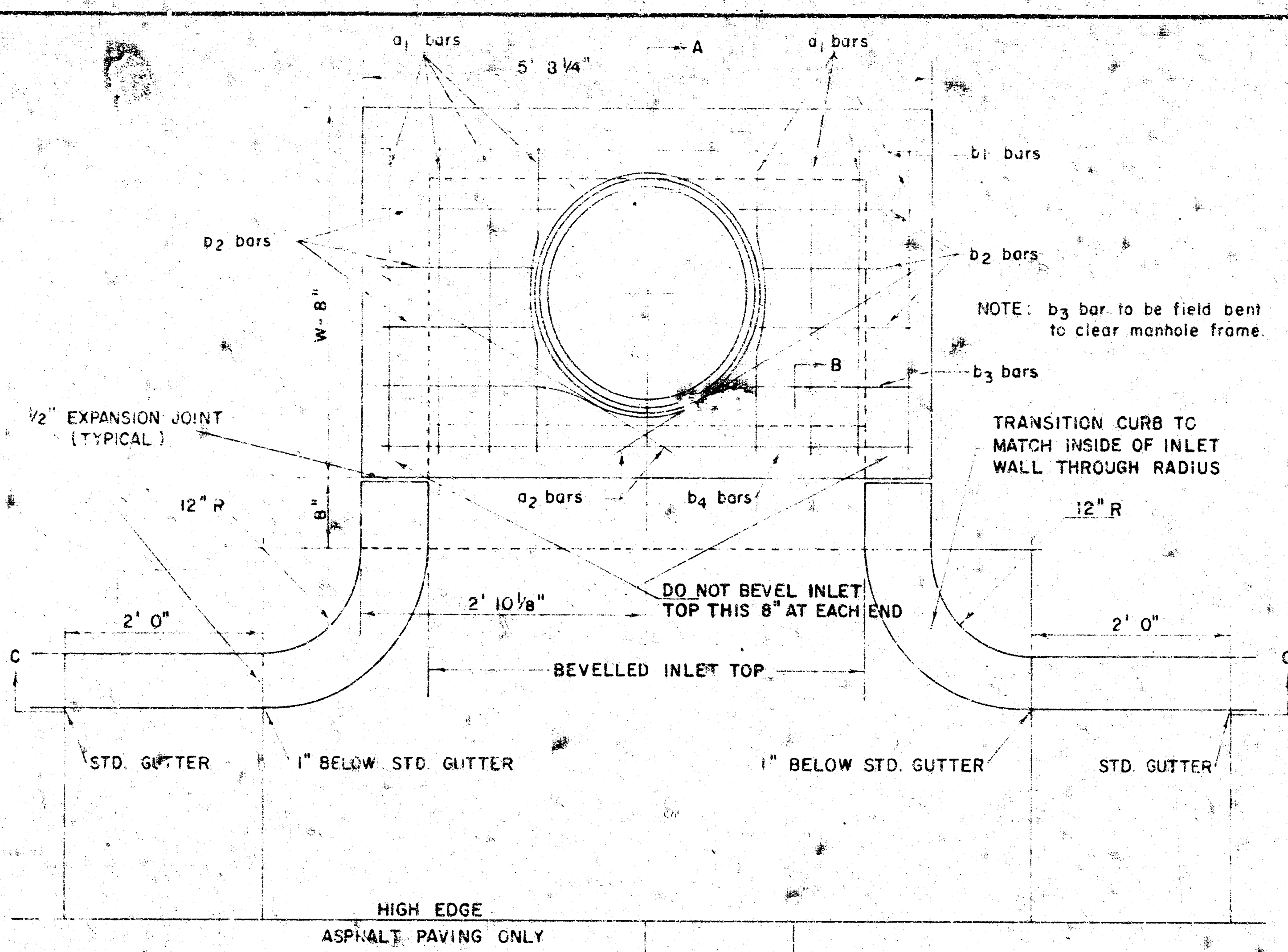


ELEVATION

DITCH INLET
Scale: 1" = 1'-0"



SECTION THRU INLET



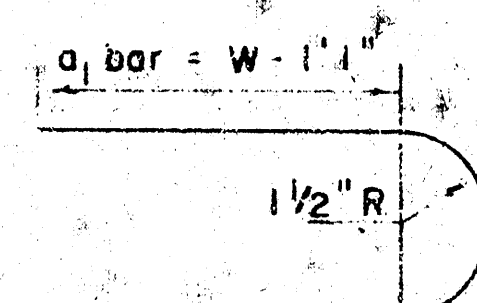
PLAN (SCALE 1" = 1' 0")

STEEL SCHEDULE

BAR	a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	2	1	3	5	7	9	
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"	-	-	-	-	124"

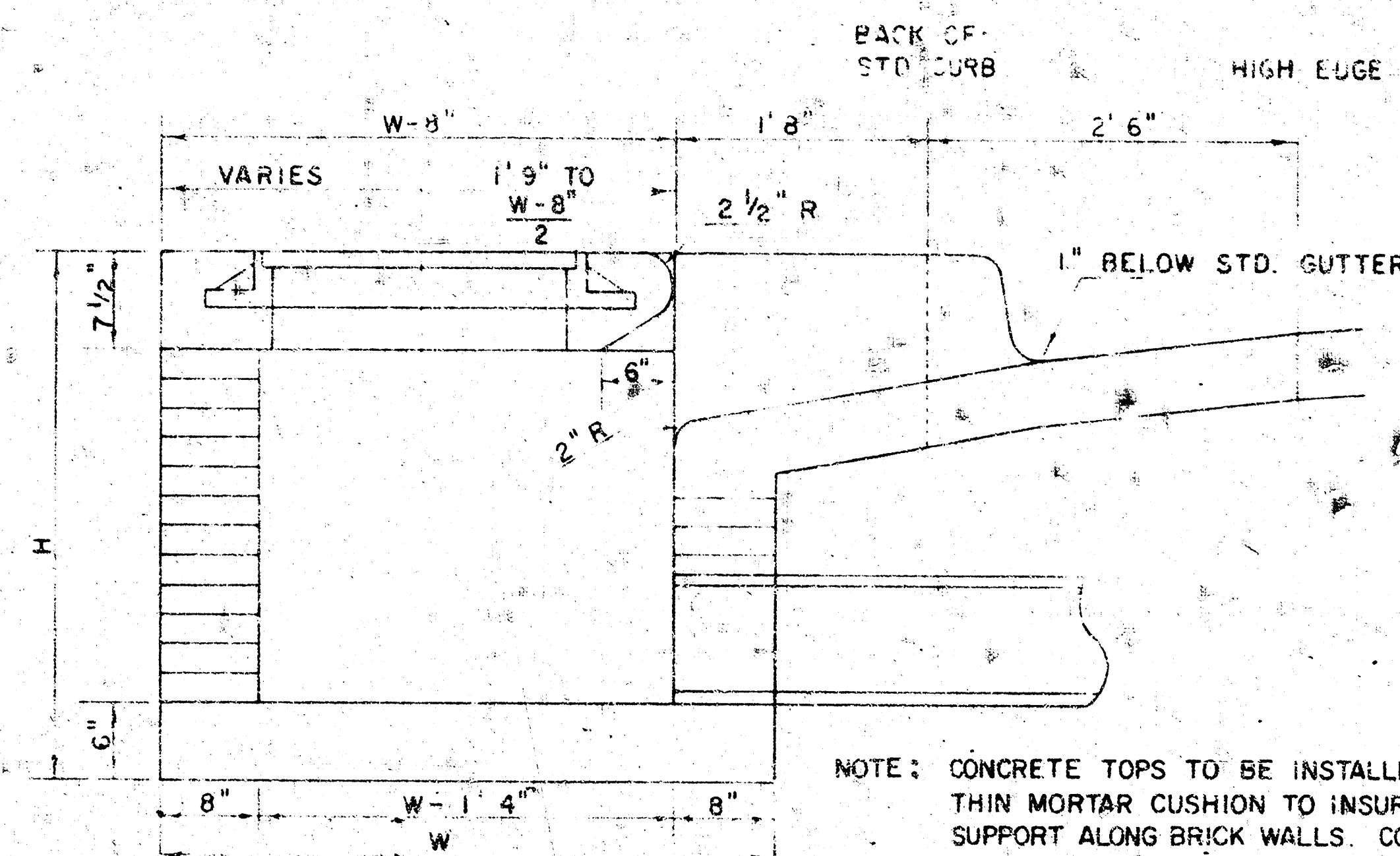
* NOTE: a₂ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

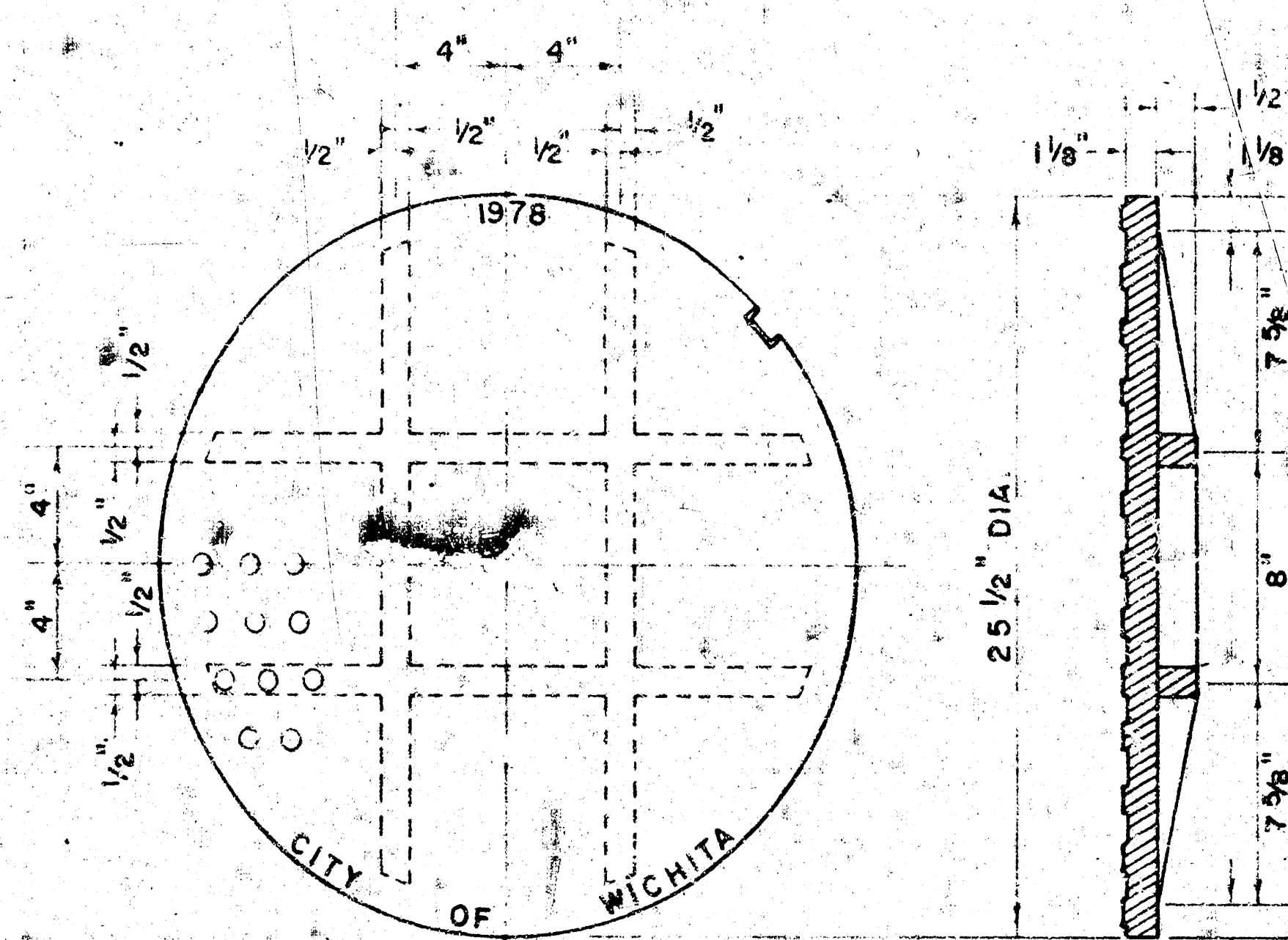


W	PRE-CAST TOP SIZE	PIPE SIZE	Q. YD. CONC.
4' 2"	36" x 5' 8 1/4" x 7 1/2"	21" & SMALLER	0.46 *
5' 0"	44" x 5' 8 1/4" x 7 1/2"	24" & 30"	0.57 *
6' 0"	54" x 5' 8 1/4" x 7 1/2"	36" & 42"	0.71 *
7' 0"	64" x 5' 8 1/4" x 7 1/2"	48" & 54"	0.84 *
8' 0"	74" x 5' 8 1/4" x 7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

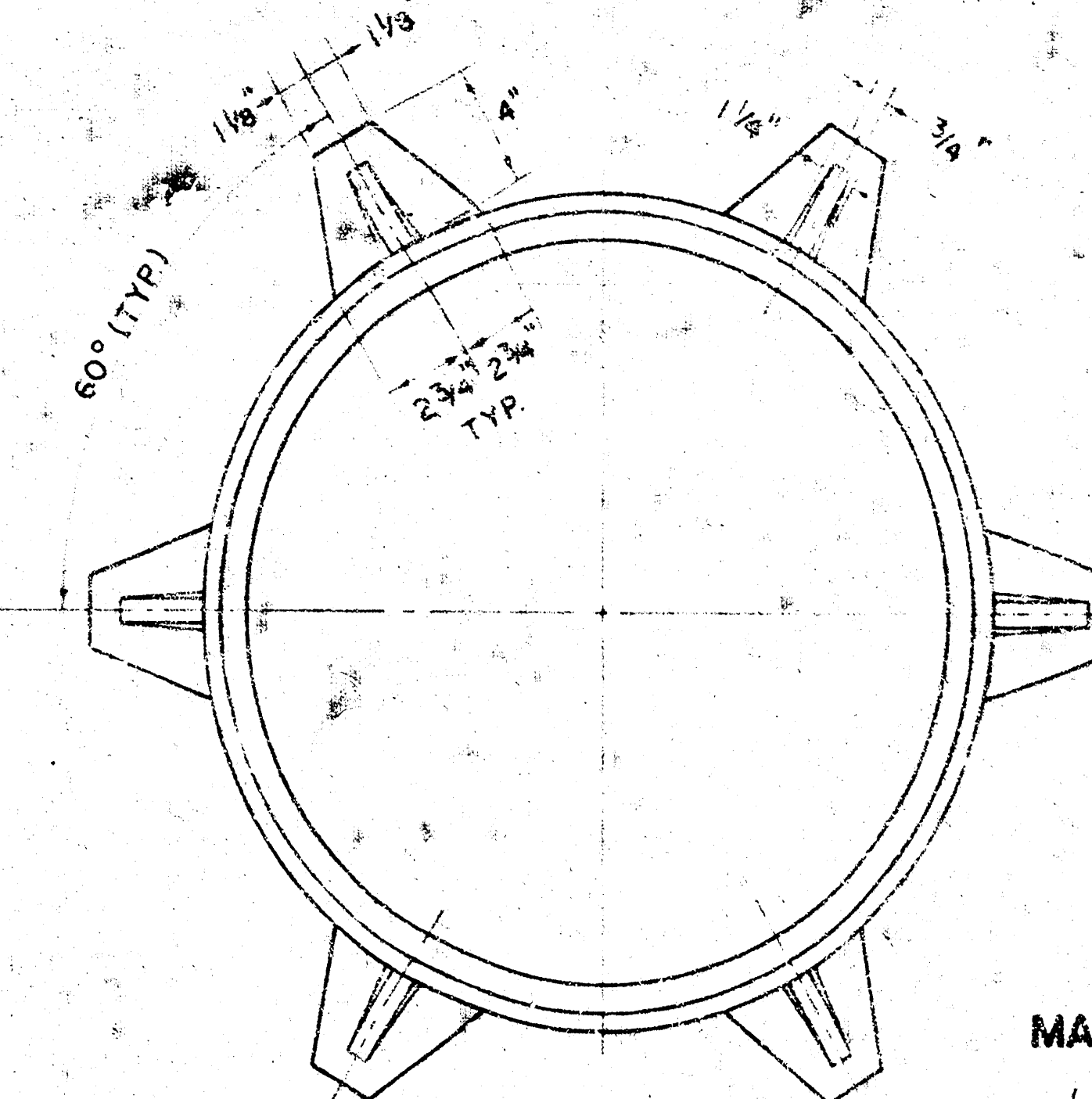


SECTION A-A
(SCALE 1" = 1' 0")



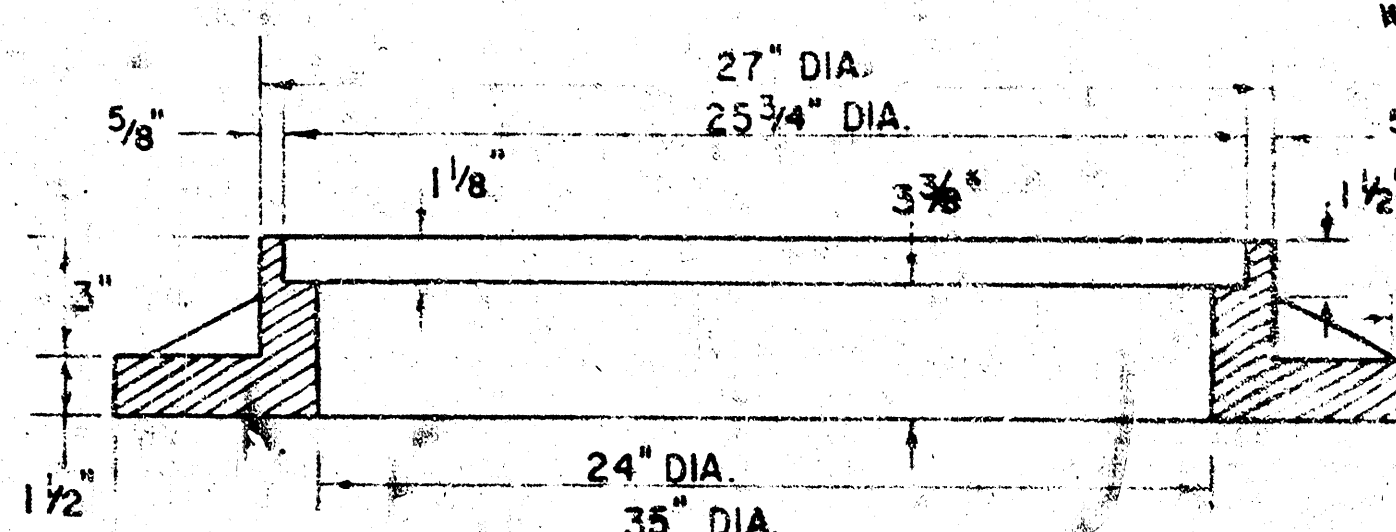
MANHOLE COVER

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



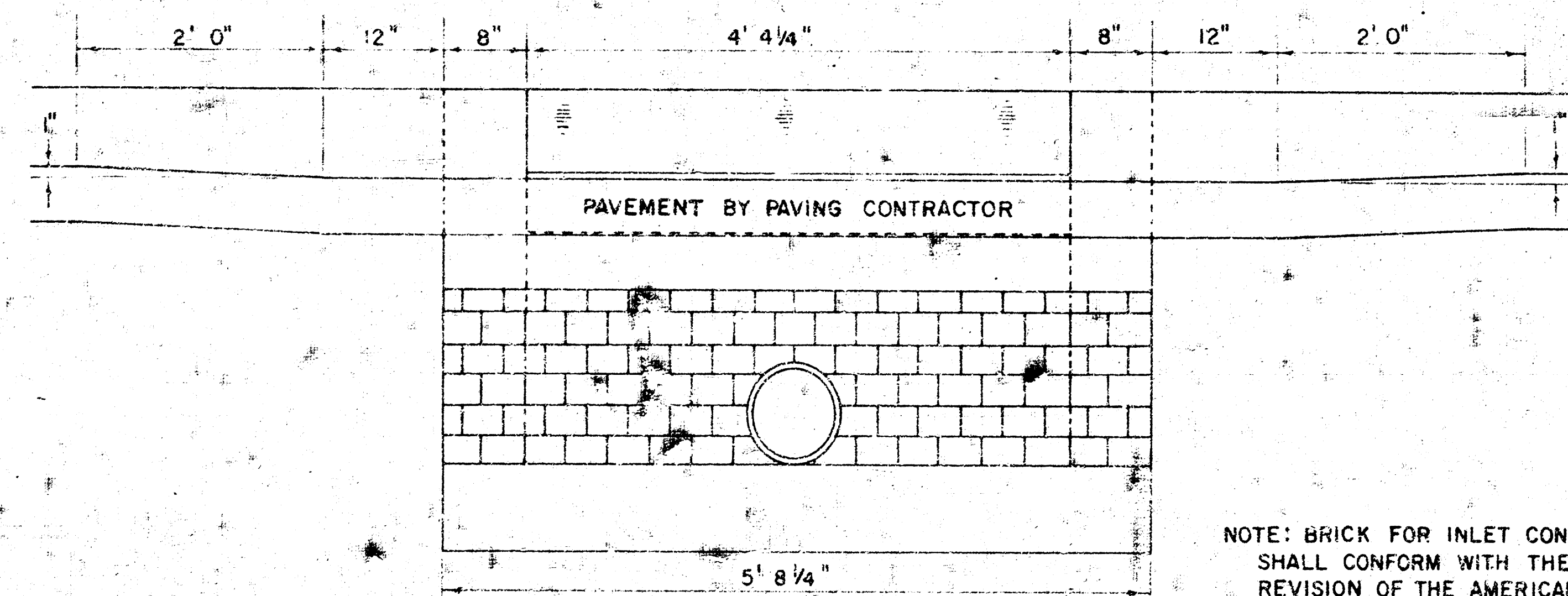
MANHOLE FRAME

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



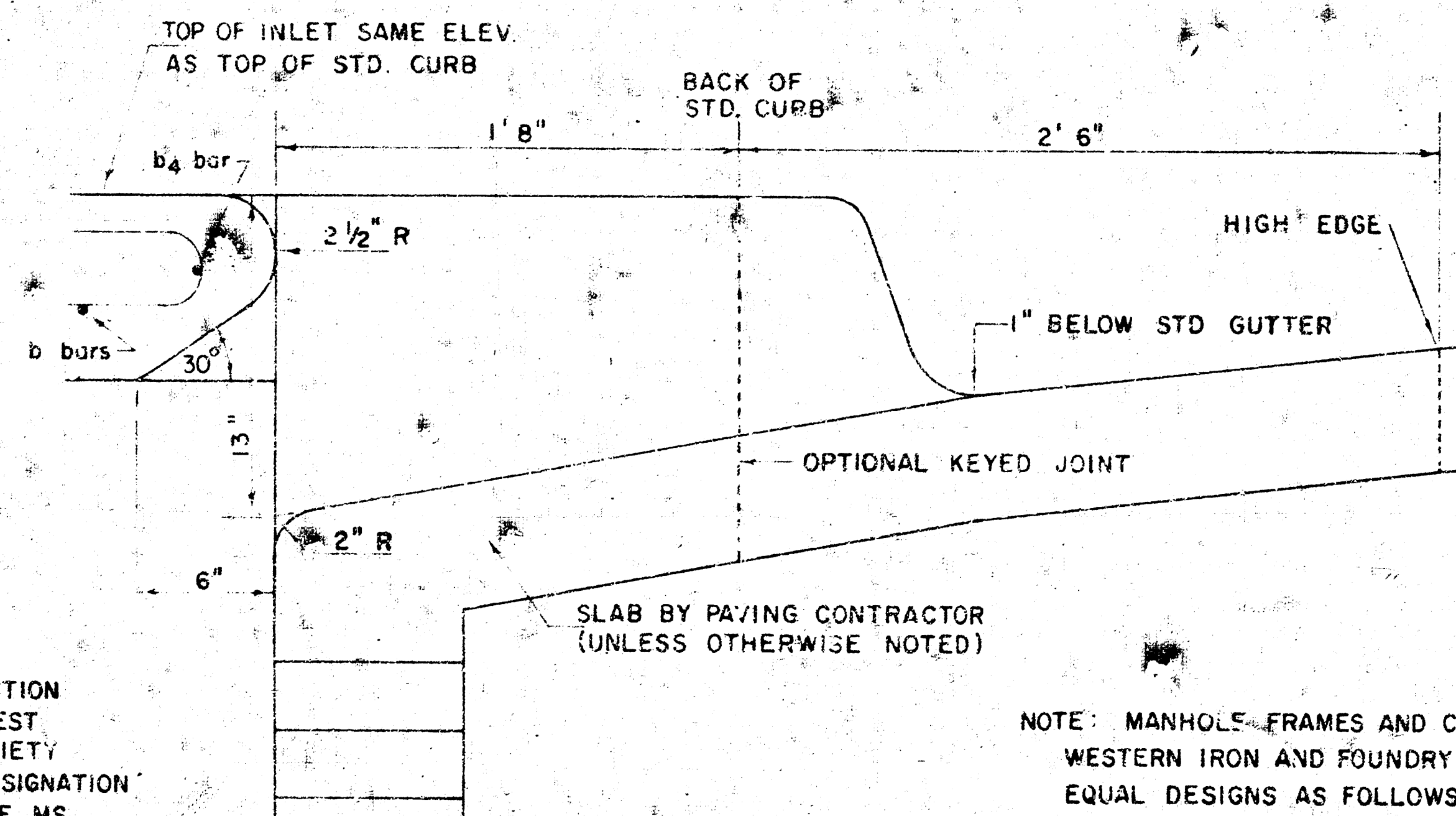
MANHOLE FRAME (ALTERNATE)

(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): 500 A4
COVER: 222 S4 "NOBBY"

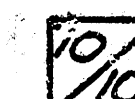
DETAIL STANDARD TYPE 1A CURB INLET

CITY OF WICHITA, KANSAS

DEAN SELLERS - ACTING CITY ENGINEER

OCTOBER 1978

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10 1 3 5