

SCALE: 1"=100'

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

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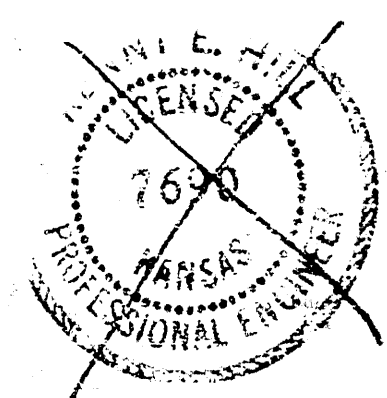
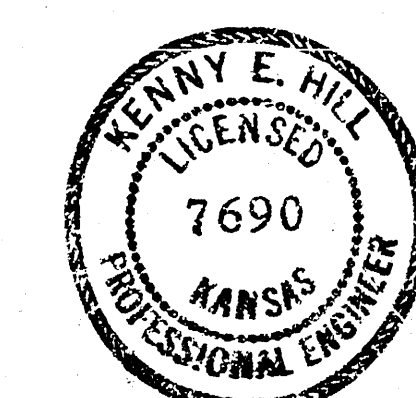
PROJECT NO. 472-76-245-80874-000-000-002

DATE _____

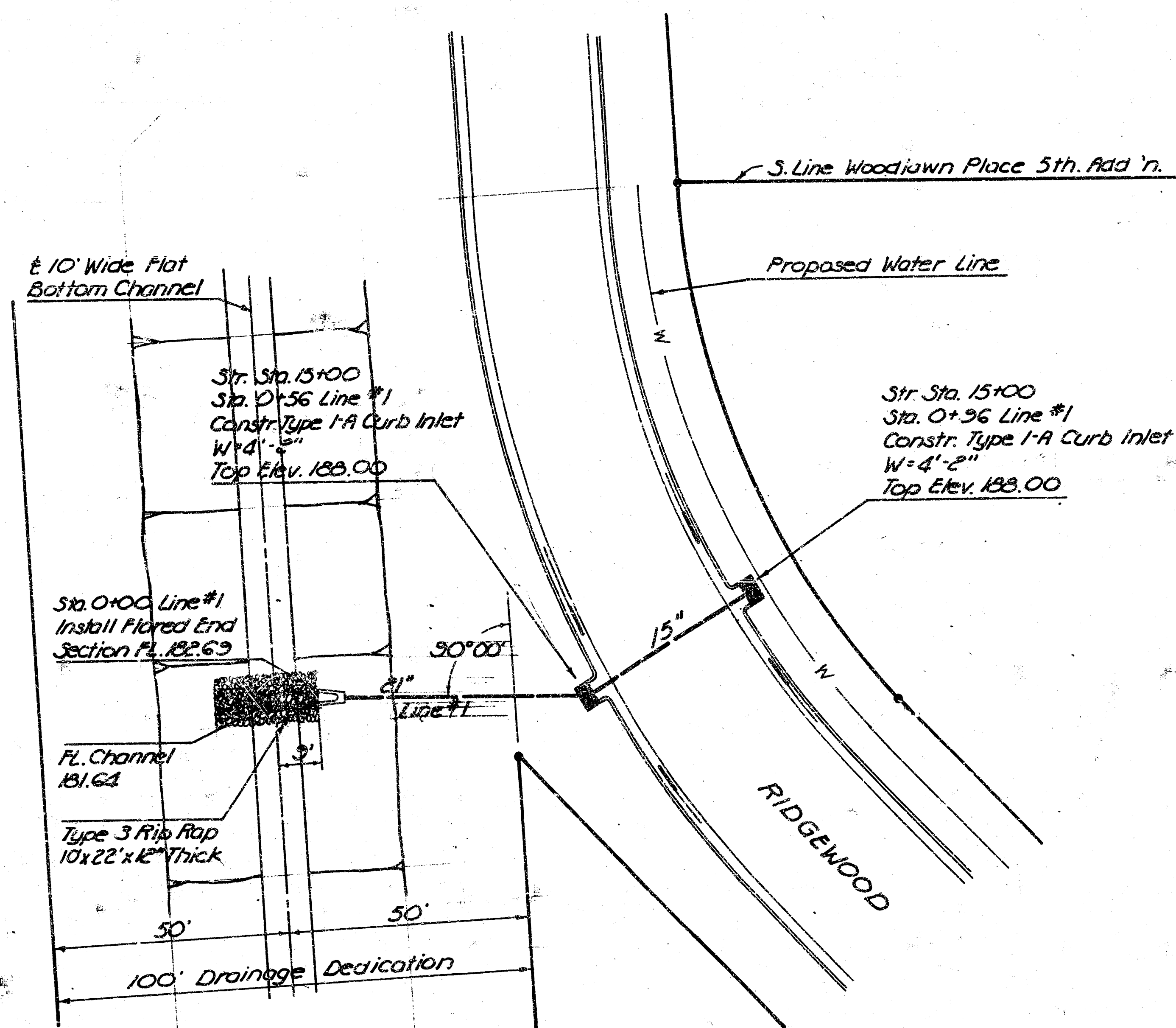
Cover Sheet	Sheet	1
Line 1	Sheet	2
Line 2	Sheet	3
Line 3	Sheet	4
Line 4	Sheet	5
Line 5	Sheet	6
Line 6	Sheet	6
Line 7	Sheet	7
Headwall Detail	Sheet	8
Ditch Inlet	Sheet	9
Curb Inlet	Sheet	10

GENERAL NOTES

- 1) CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS, AND CONTRACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
- 2) FIELD ENGINEER SHALL TAKE TIES TO ALL LINES AND THROUGHS IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH LINES AND THROUGHS 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 POLYESTER AS SPECIFIED IN AASTO 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 WATERLOGIC 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.

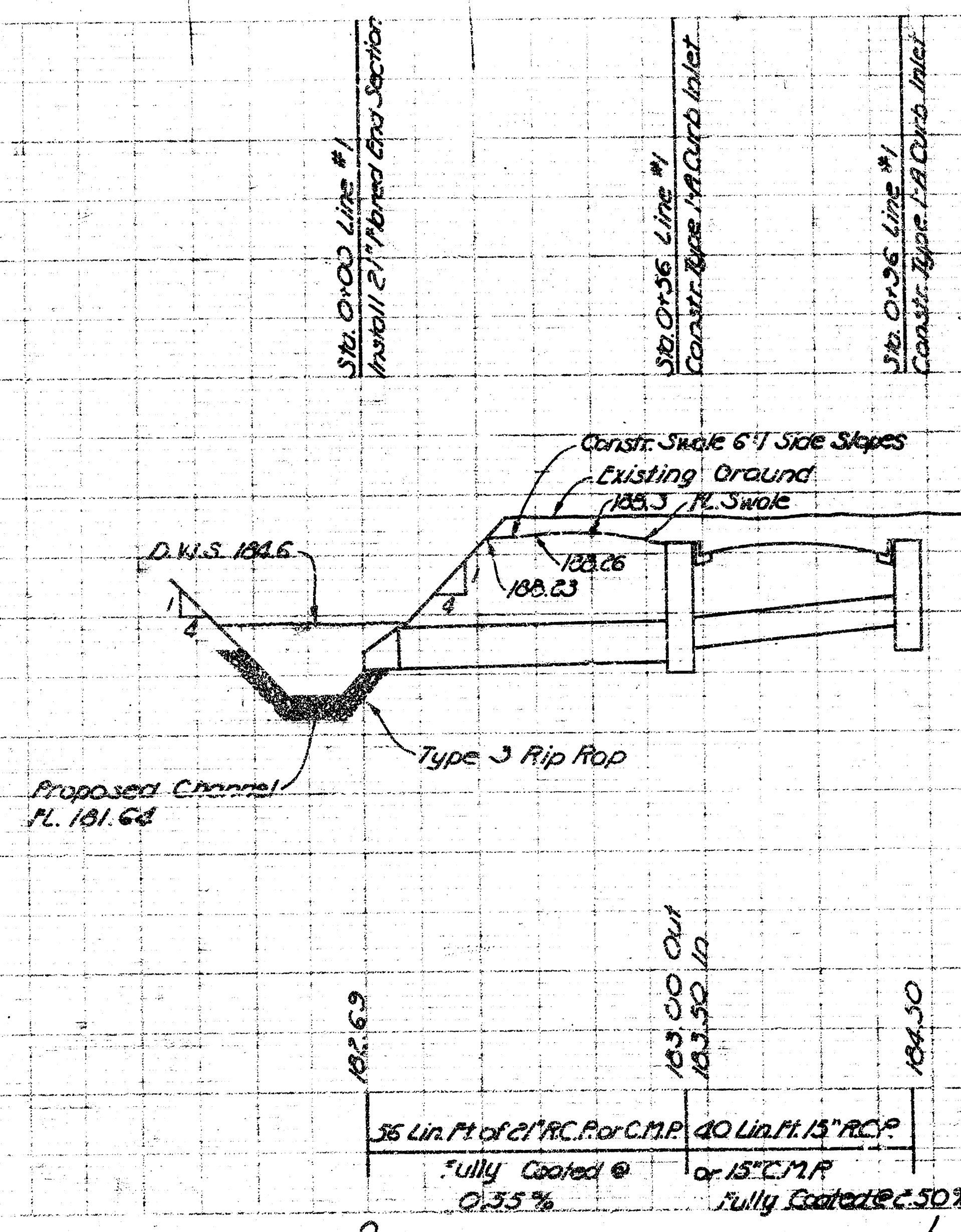


EDGEWOOD



Scale: 1"=20'

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



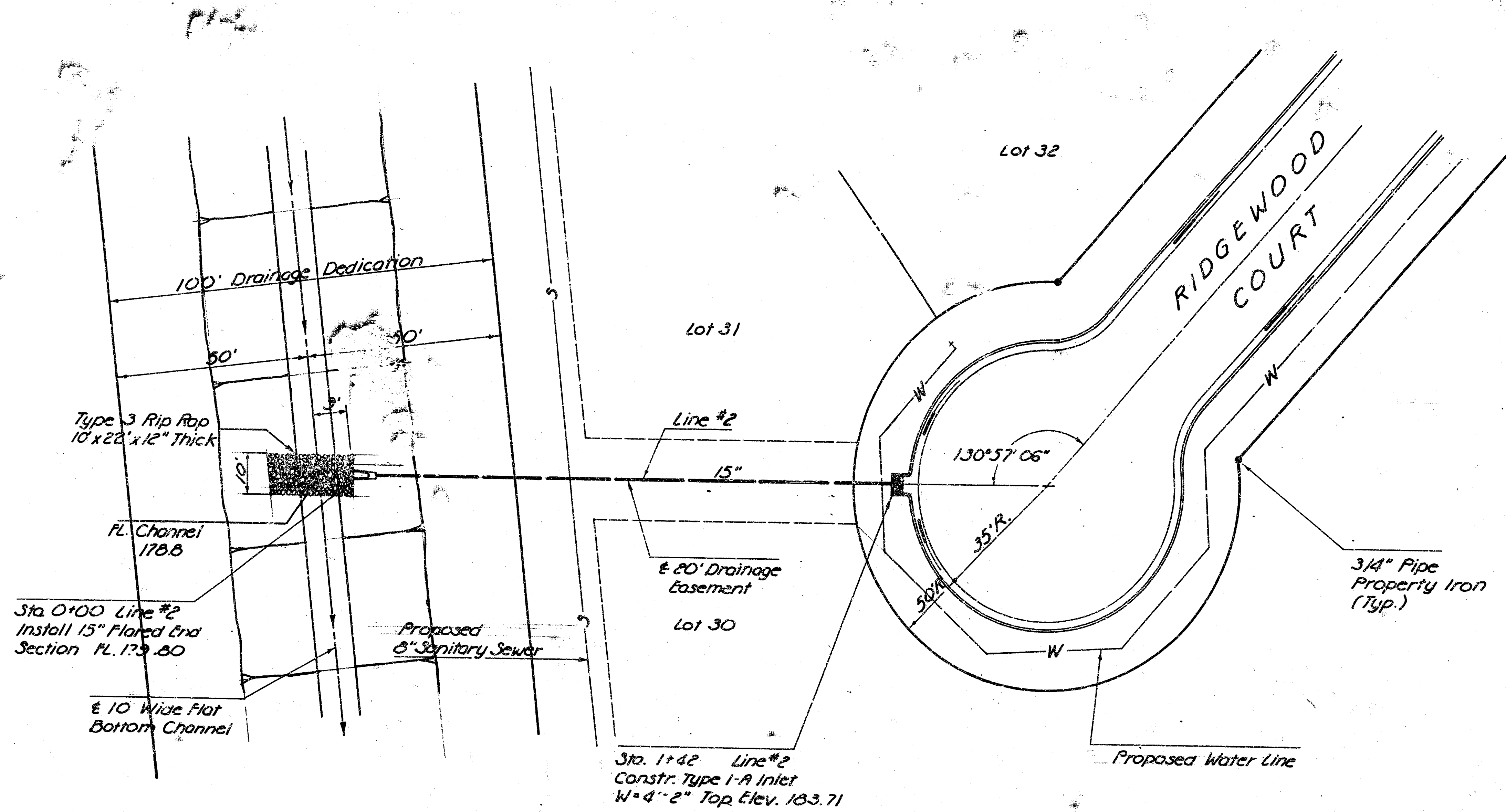
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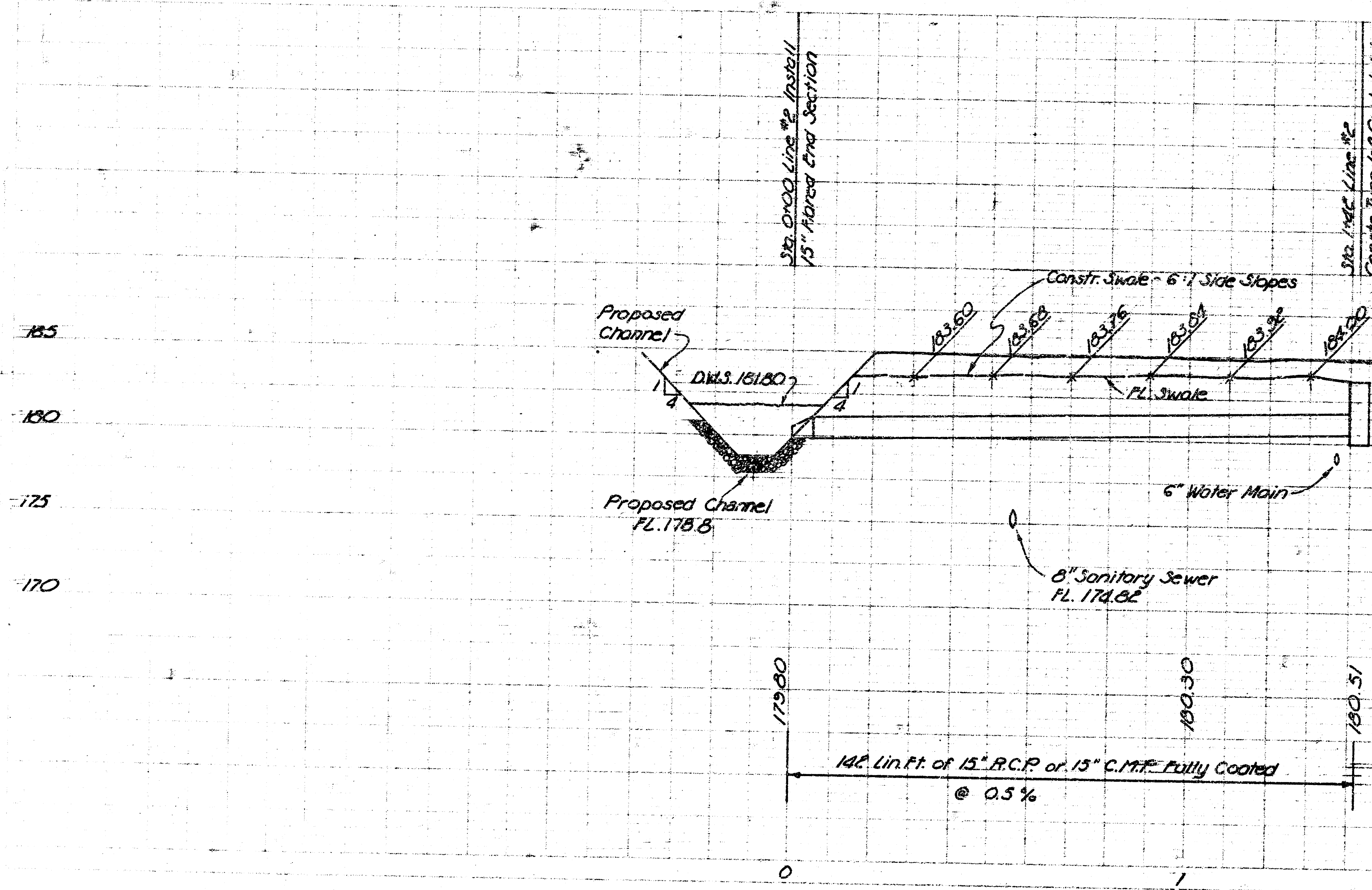
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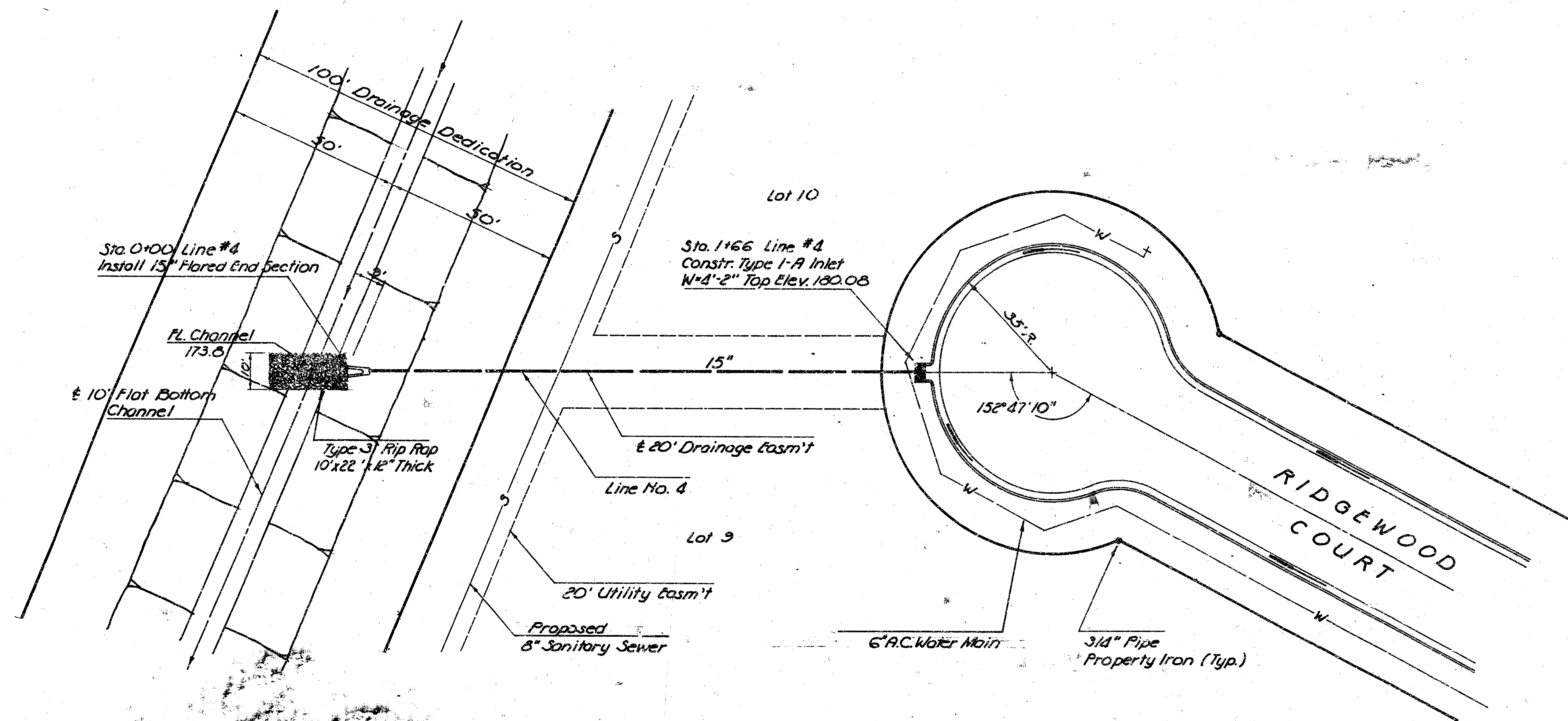


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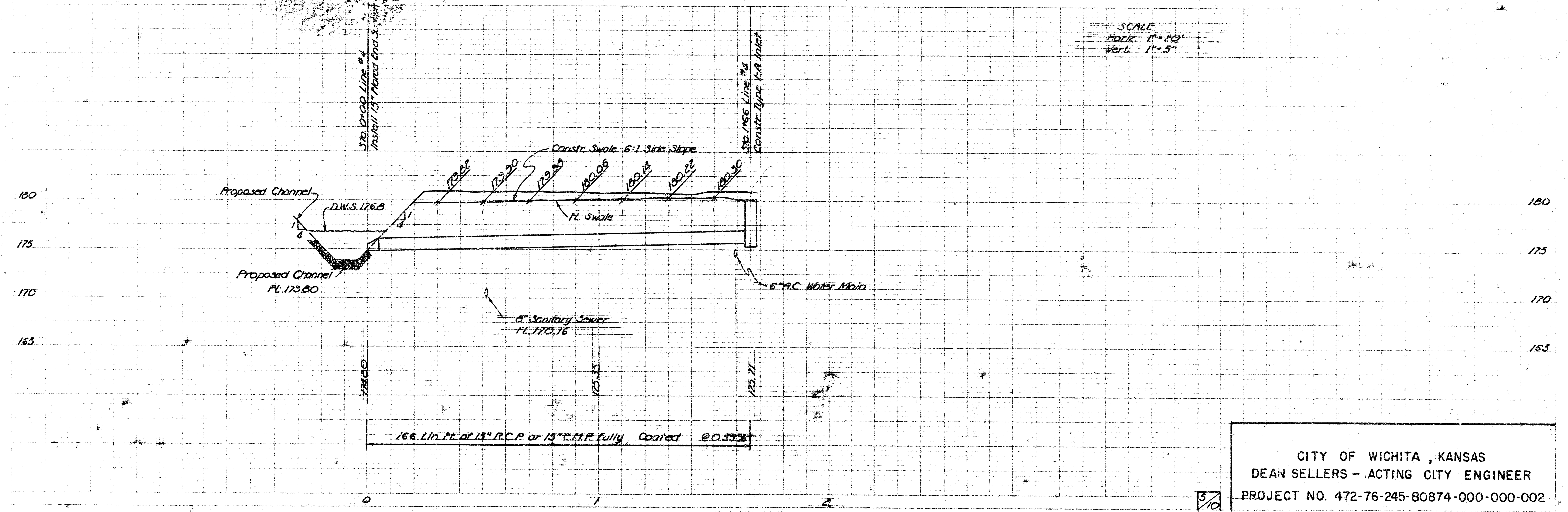
SCALE:
Horiz.: 1"=20'
Vert.: 1"=5'



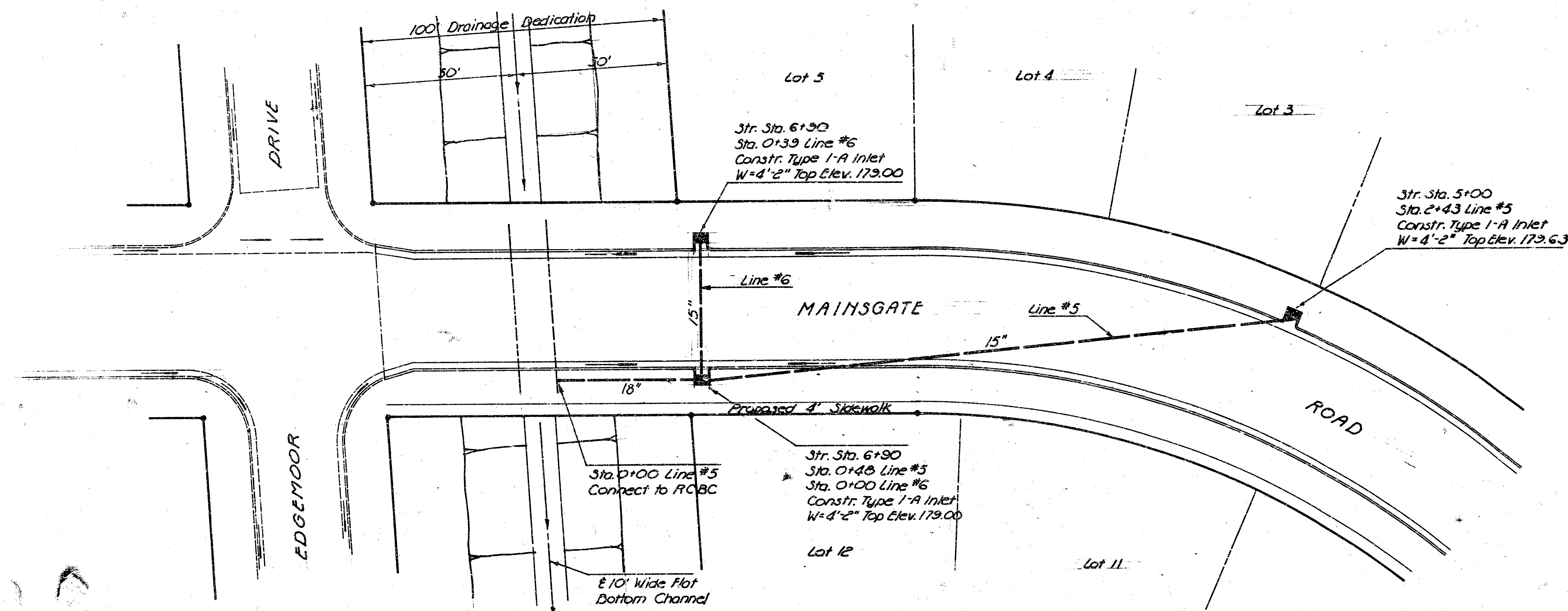
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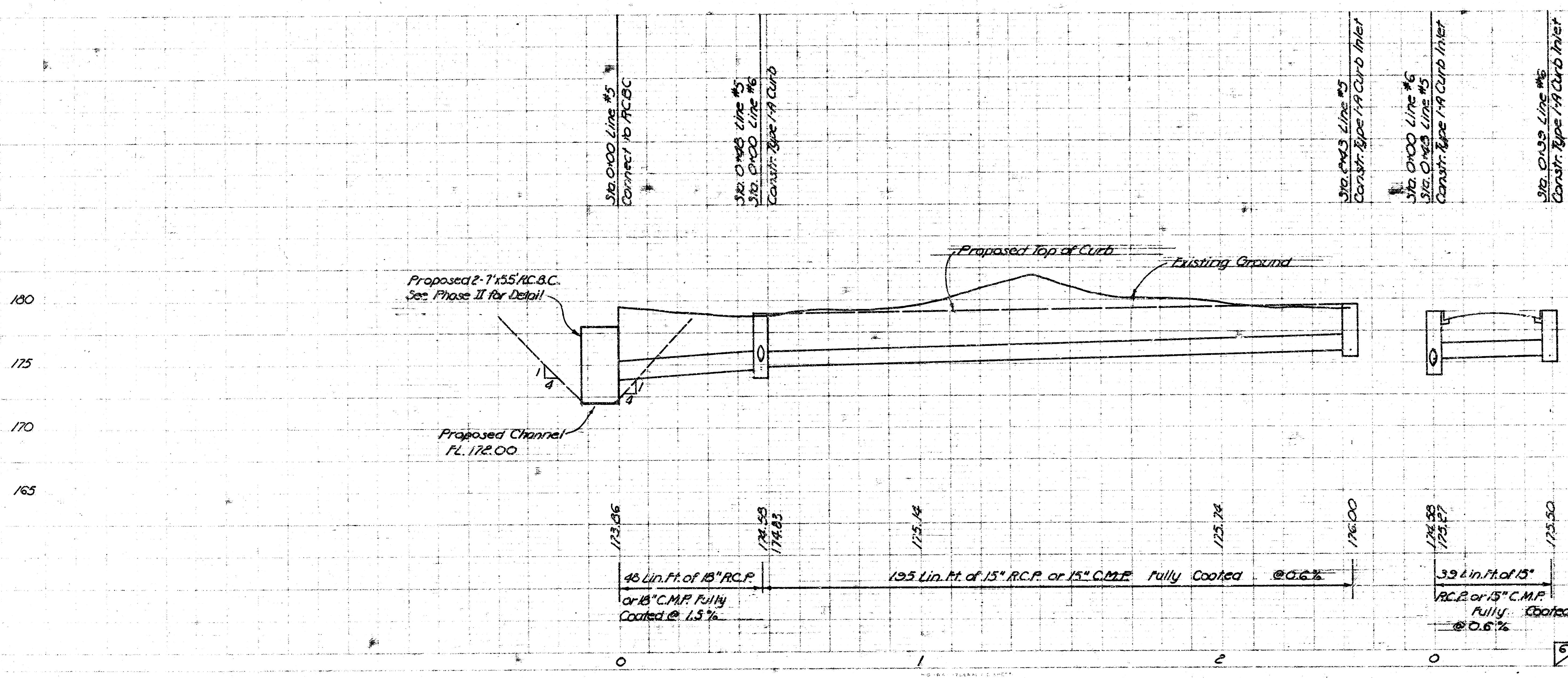
North
Scale: 1" = 20'



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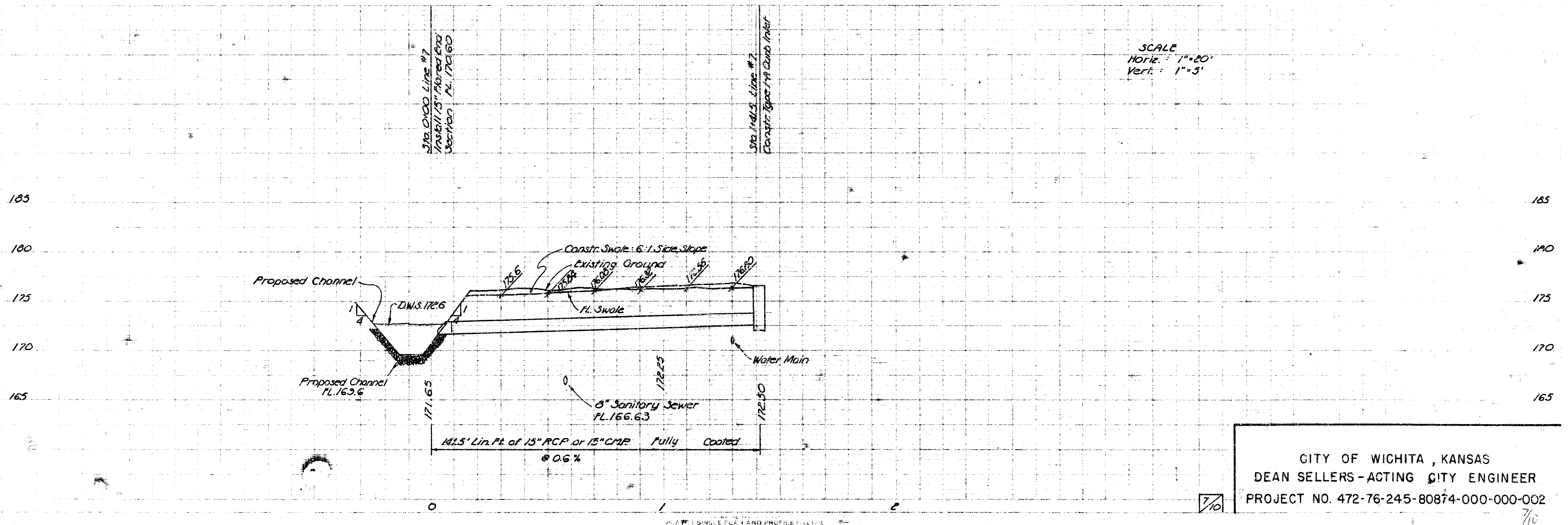
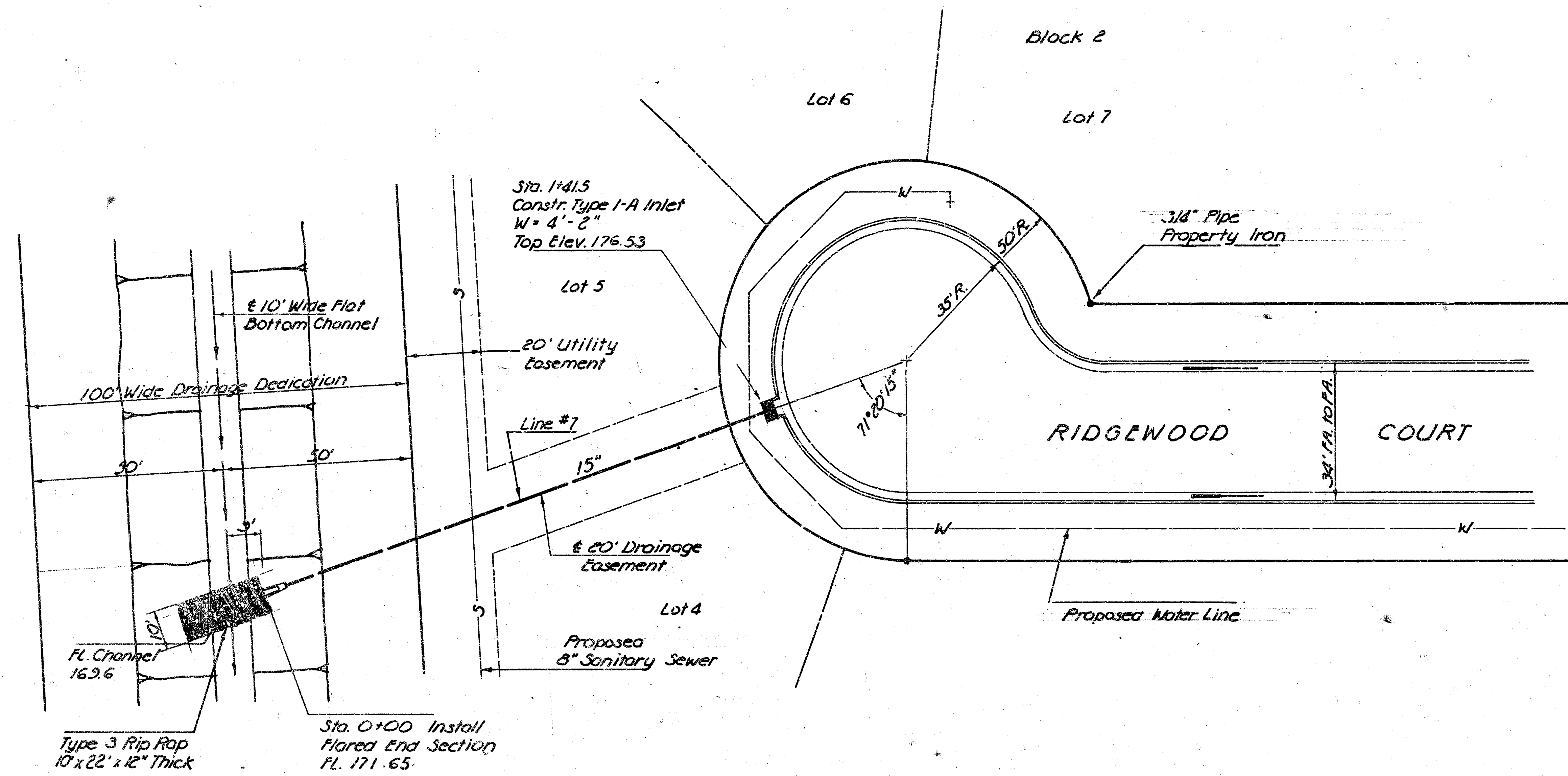


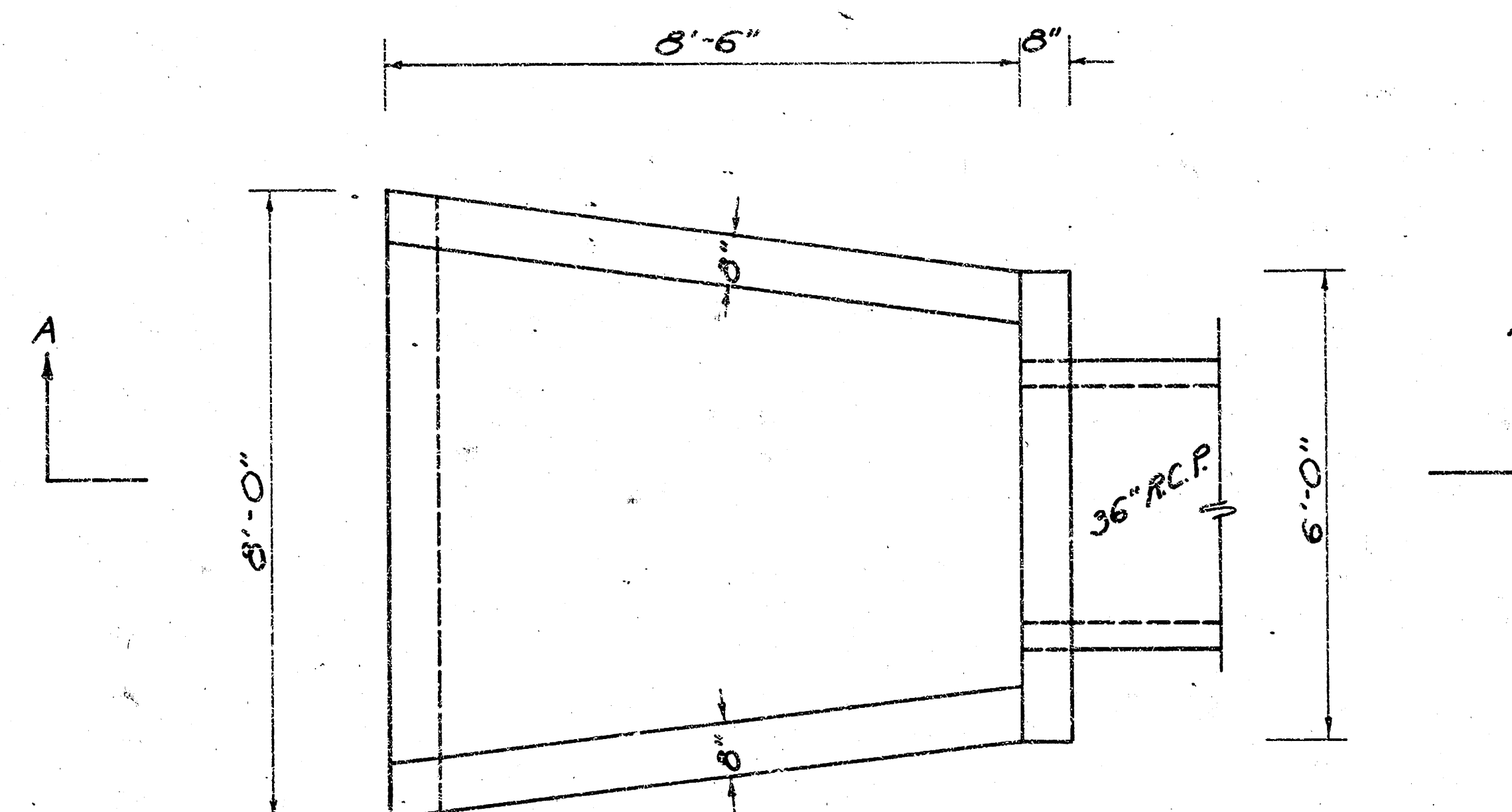
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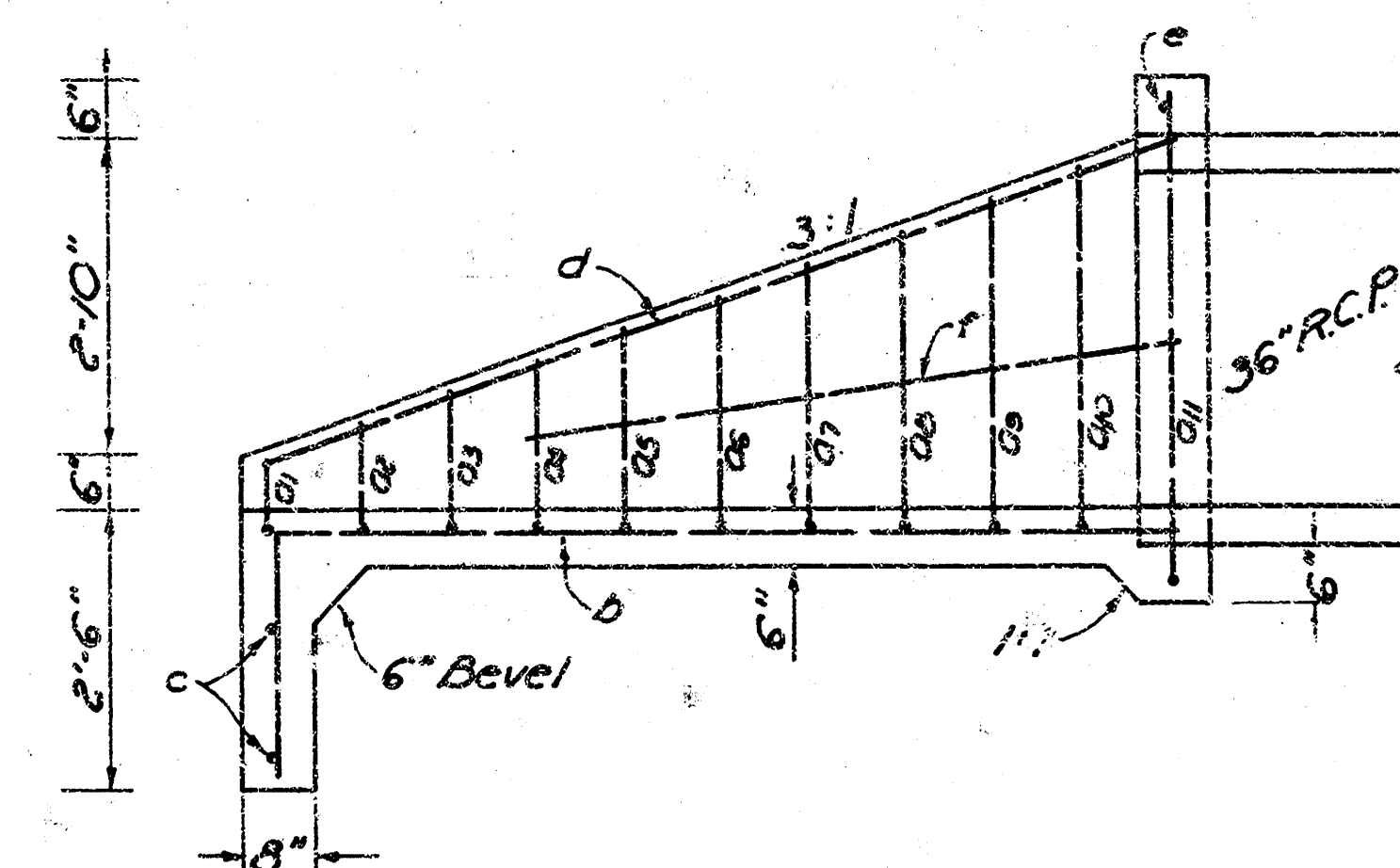
SCALE
HORIZ: 1"=20'
VERT: 1"=5'

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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"

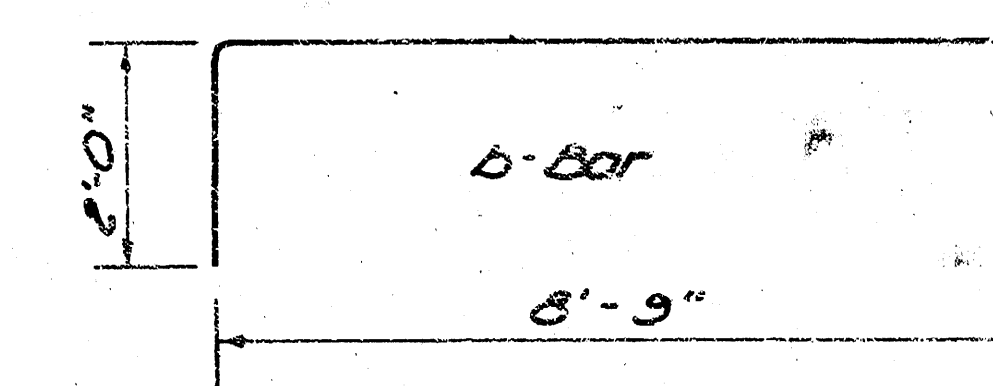


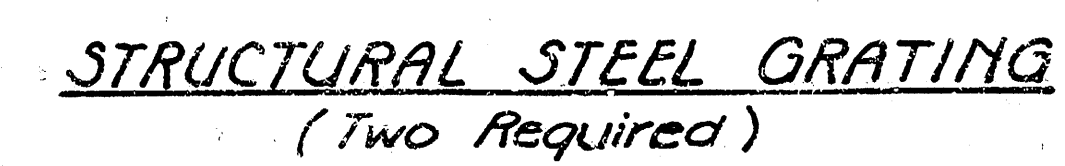
TABLE of QUANTITIES				
Bars	Number	Length	Shape	Weight
a1	1	8'-7"	L	5.73
a2	1	8'-11"	L	5.96
a3	1	9'-4"	L	6.23
a4	1	9'-8"	L	6.46
a5	1	10'-2"	L	6.73
a6	1	10'-6"	L	7.01
a7	1	10'-11"	L	7.29
a8	1	11'-3"	L	7.52
a9	1	11'-7"	L	7.74
a10	1	12'-0"	L	8.02
a11	1	13'-5"	L	9.13
b	2	10'-9"	L	64.63
c	2	7'-6"	L	10.02
d	2	3'-0"	L	12.02
e	1	5'-8"	L	3.73
f	2	6'-6"	L	8.63
Total Reinforcement				172.02 lbs.
Concrete				2.87 C.Y.

All Rebar is #4

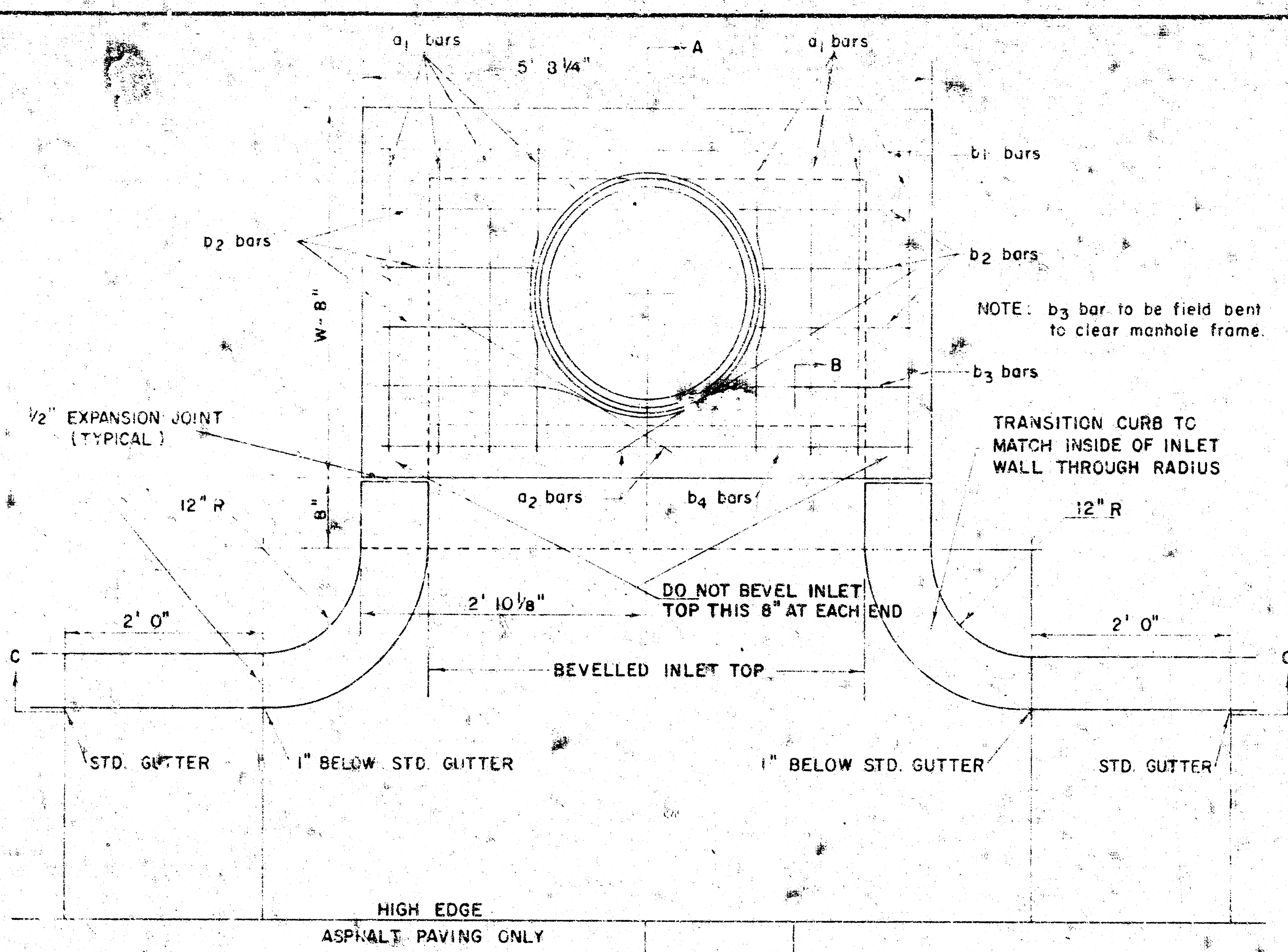
HEADWALL DETAIL for 36" PIPE

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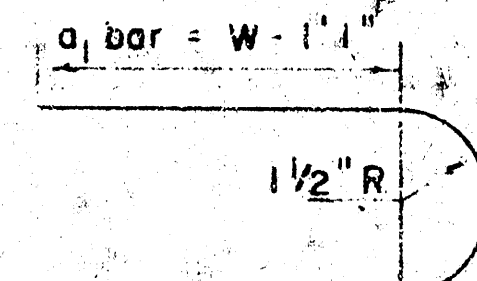
PLAN (SCALE 1" = 1' 0")

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#

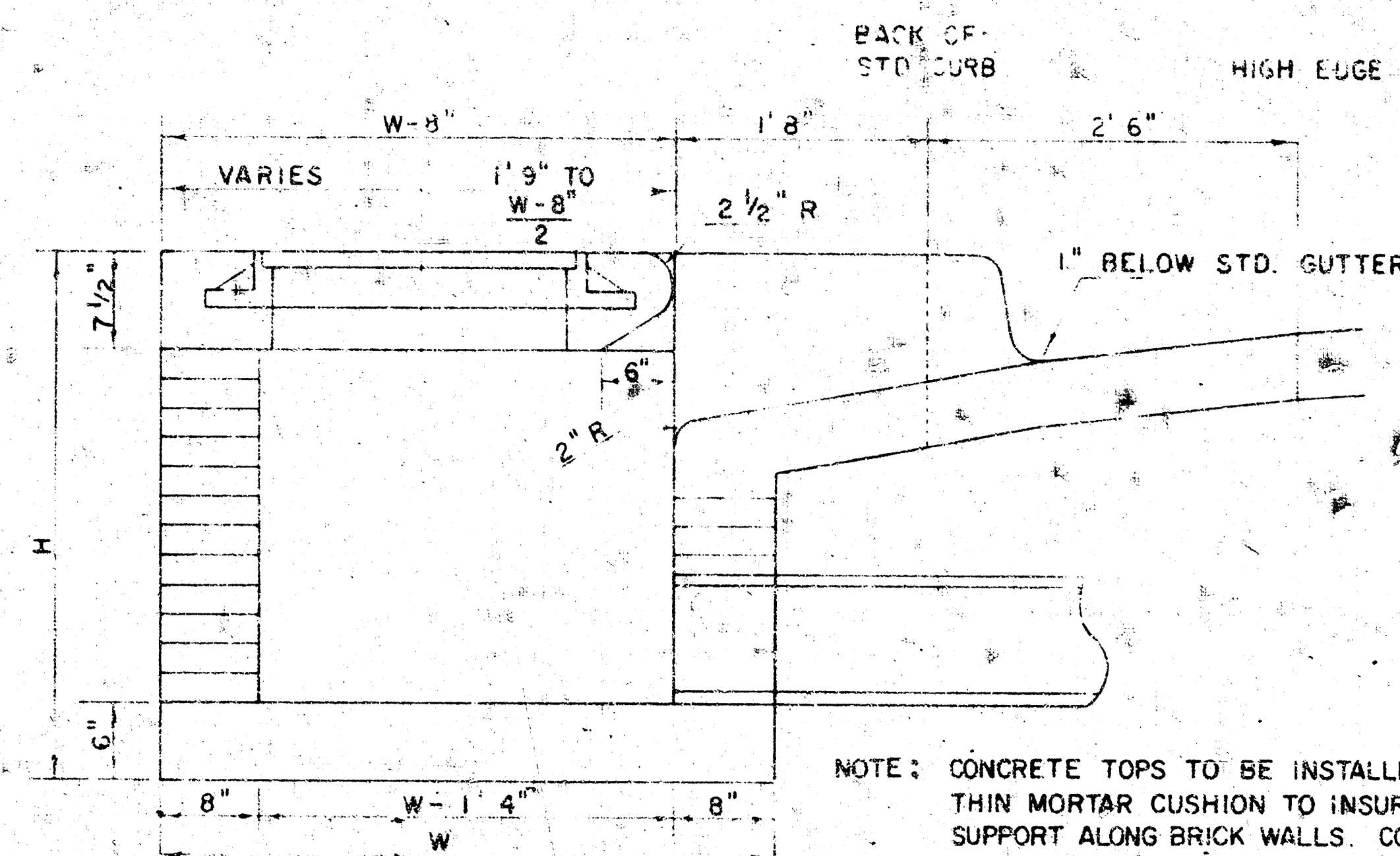
* NOTE: a₂ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

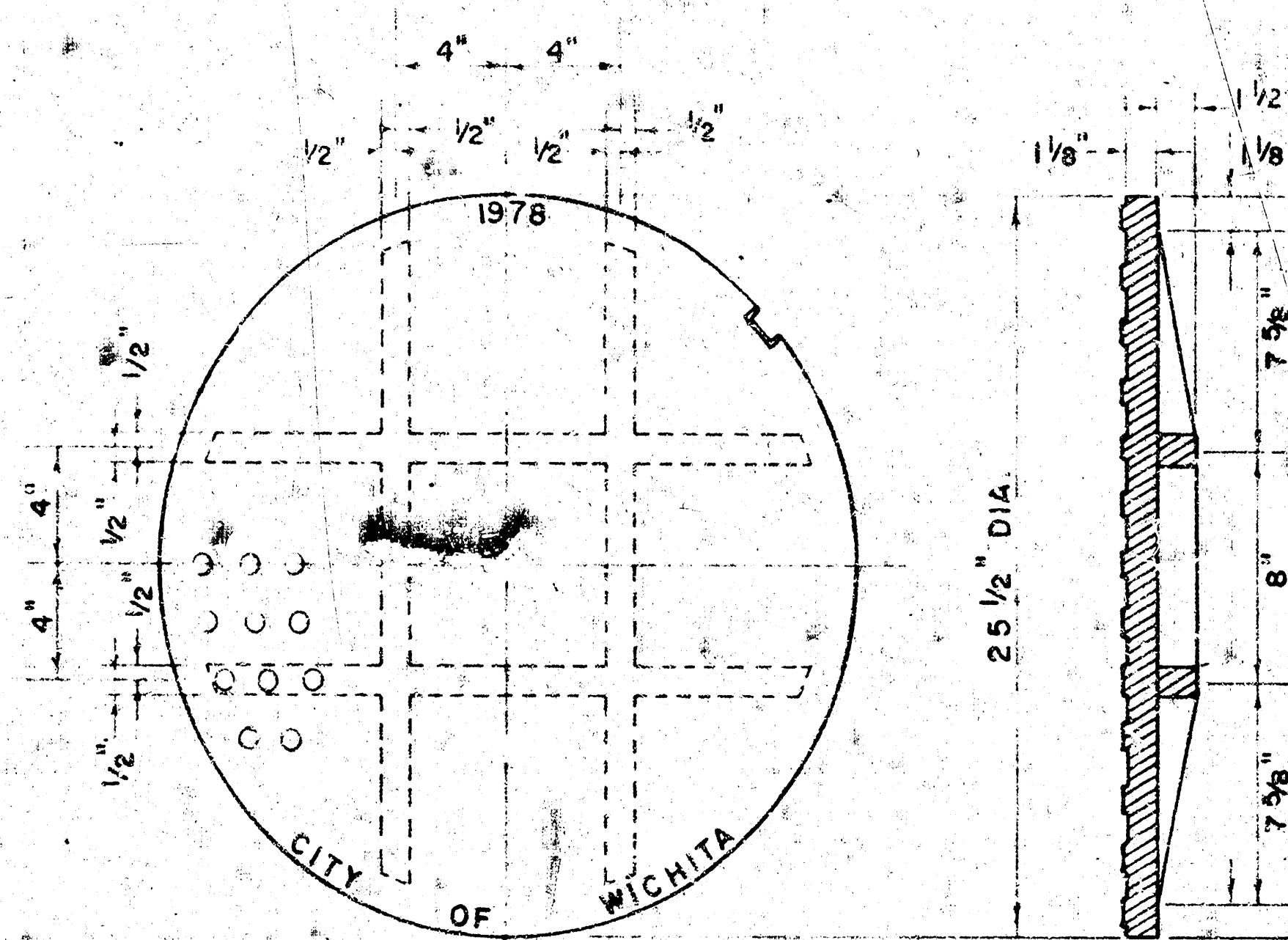


* GROSS VOLUME

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 *

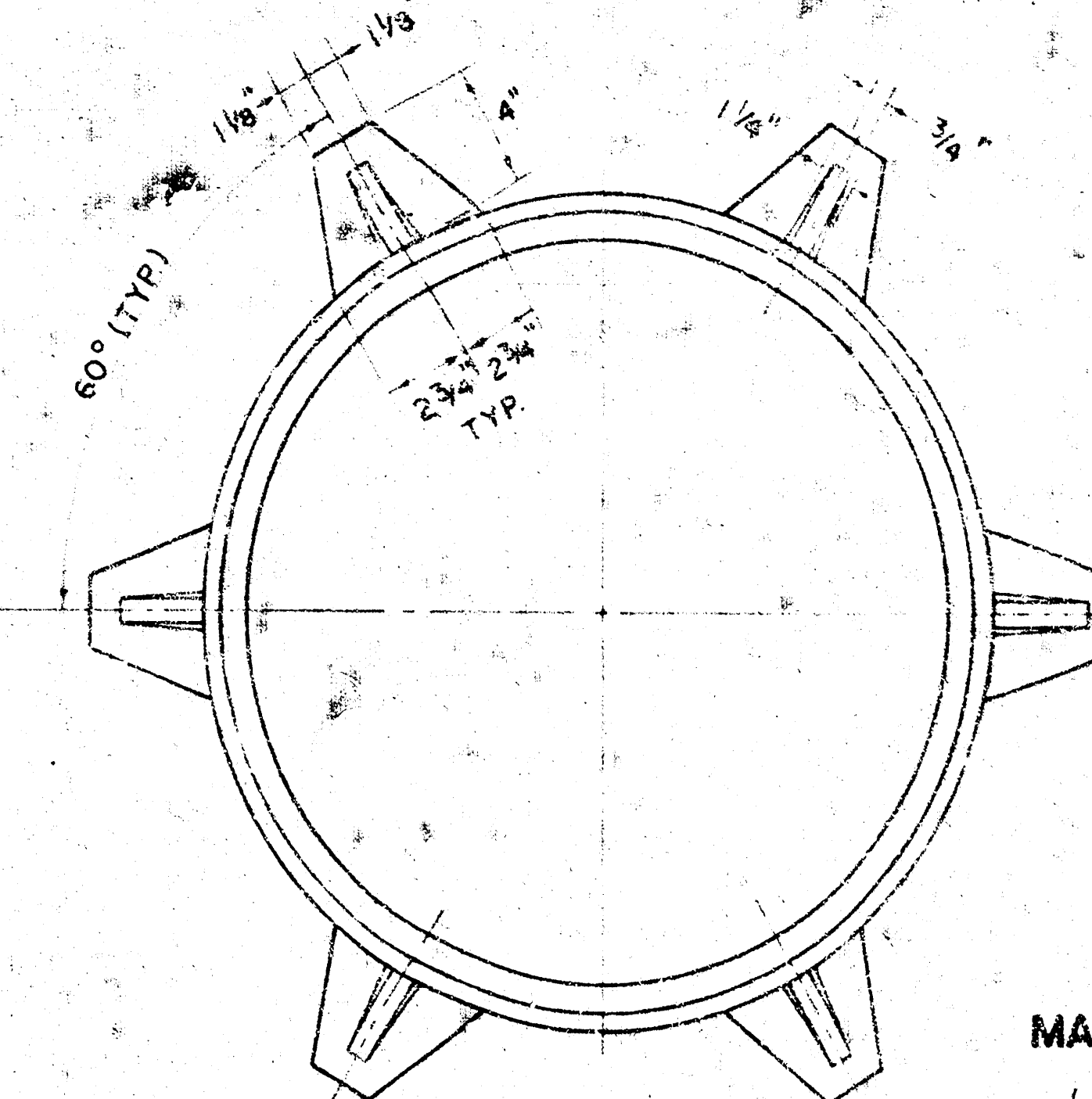


SECTION A-A
(SCALE 1" = 1' 0")



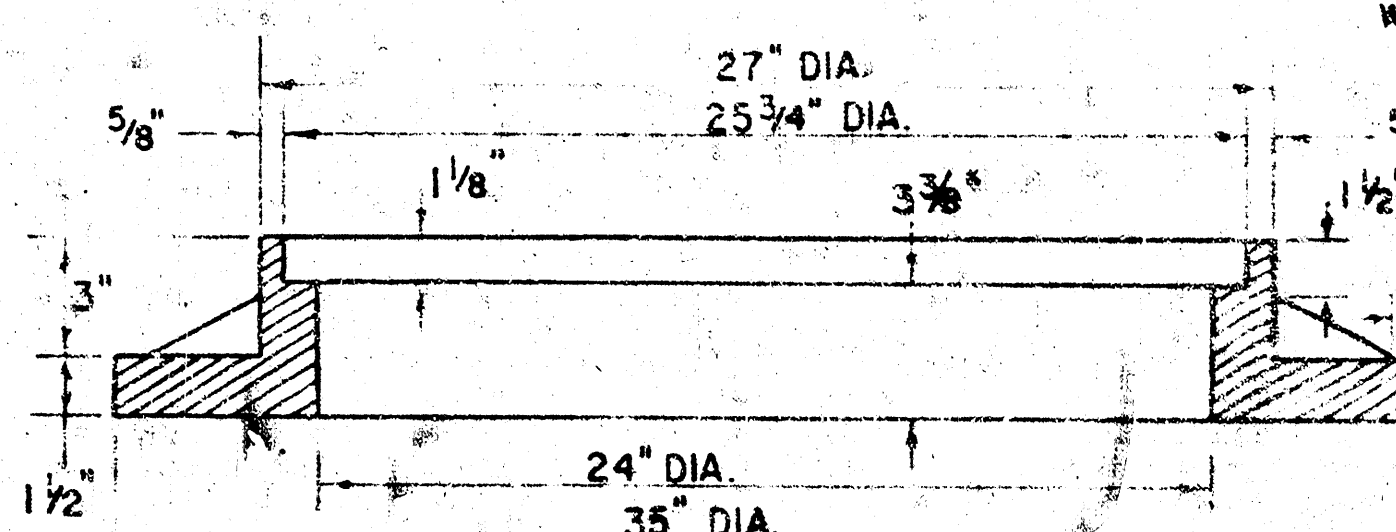
MANHOLE COVER

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



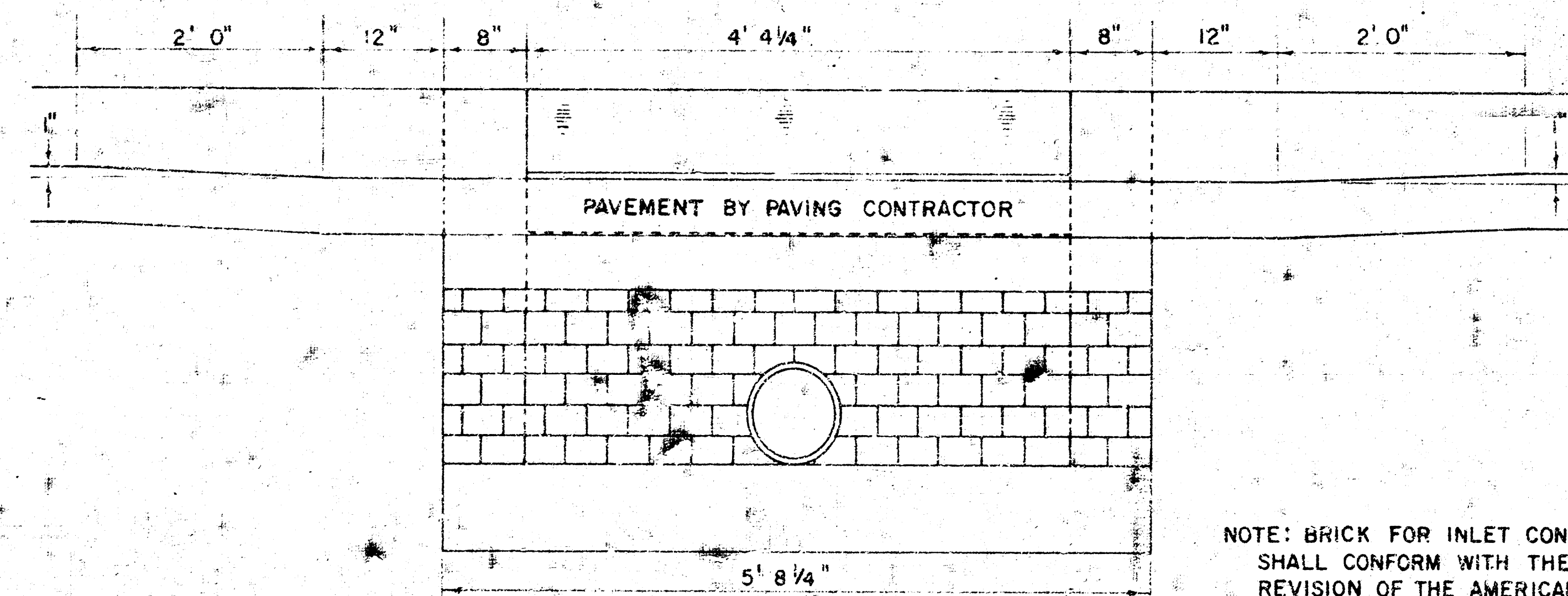
MANHOLE FRAME

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



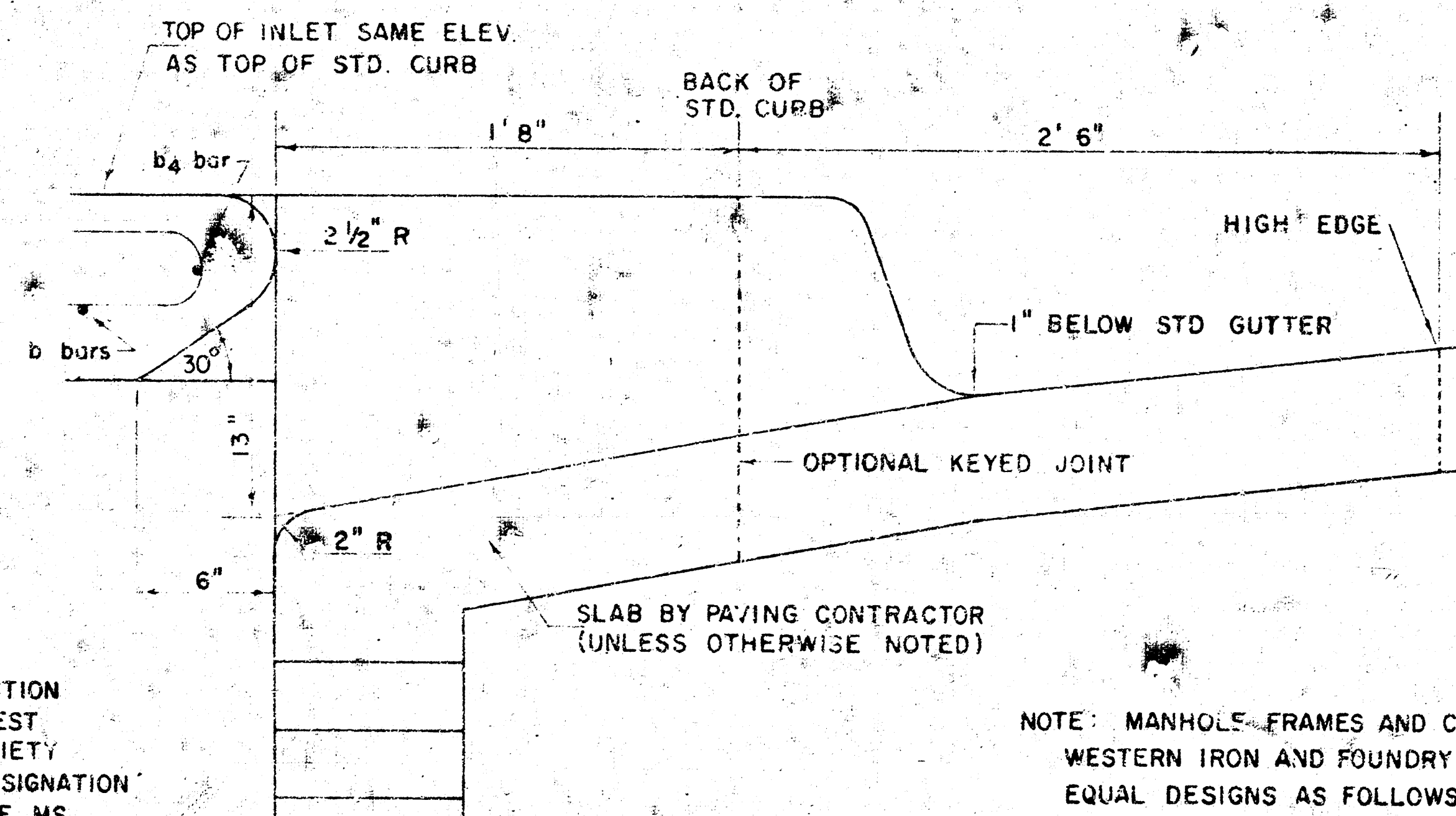
MANHOLE FRAME (ALTERNATE)

(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"

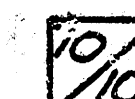
DETAIL STANDARD TYPE 1A CURB INLET

CITY OF WICHITA, KANSAS

DEAN SELLERS - ACTING CITY ENGINEER

OCTOBER 1978

PROJECT NO. 472-76-245-80874-000-000-002



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