

CAUTION: UNDERGROUND BELL TELEPHONE & MESTAR UTILITY LINES.

BENCHMARK

21 ST N.

CRANBROOK

F.F.E. = 210.50

F.F.E. = 210.50

F.F.E. = 208.50

F.F.E. = 206.50

F.F.E. = 204.0

F.F.E. = 204.0

WINDOW WELL = 204.0

18" RCP LINE 2

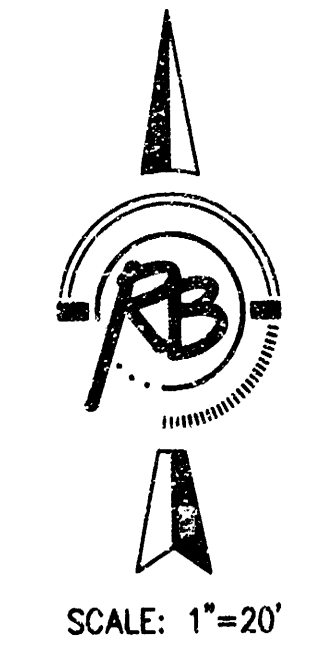
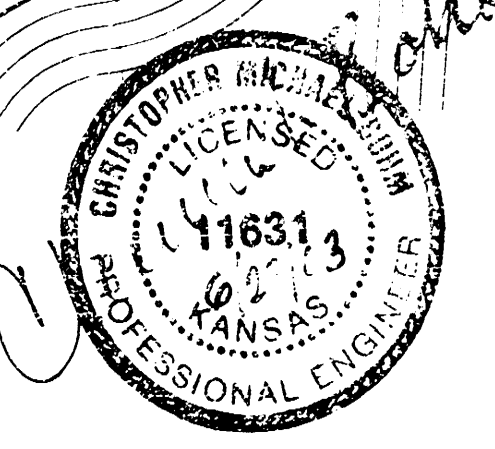
20' UTILITY EASEMENT

PROPOSED 8" SANITARY SEWER

15" RCP LINE 3

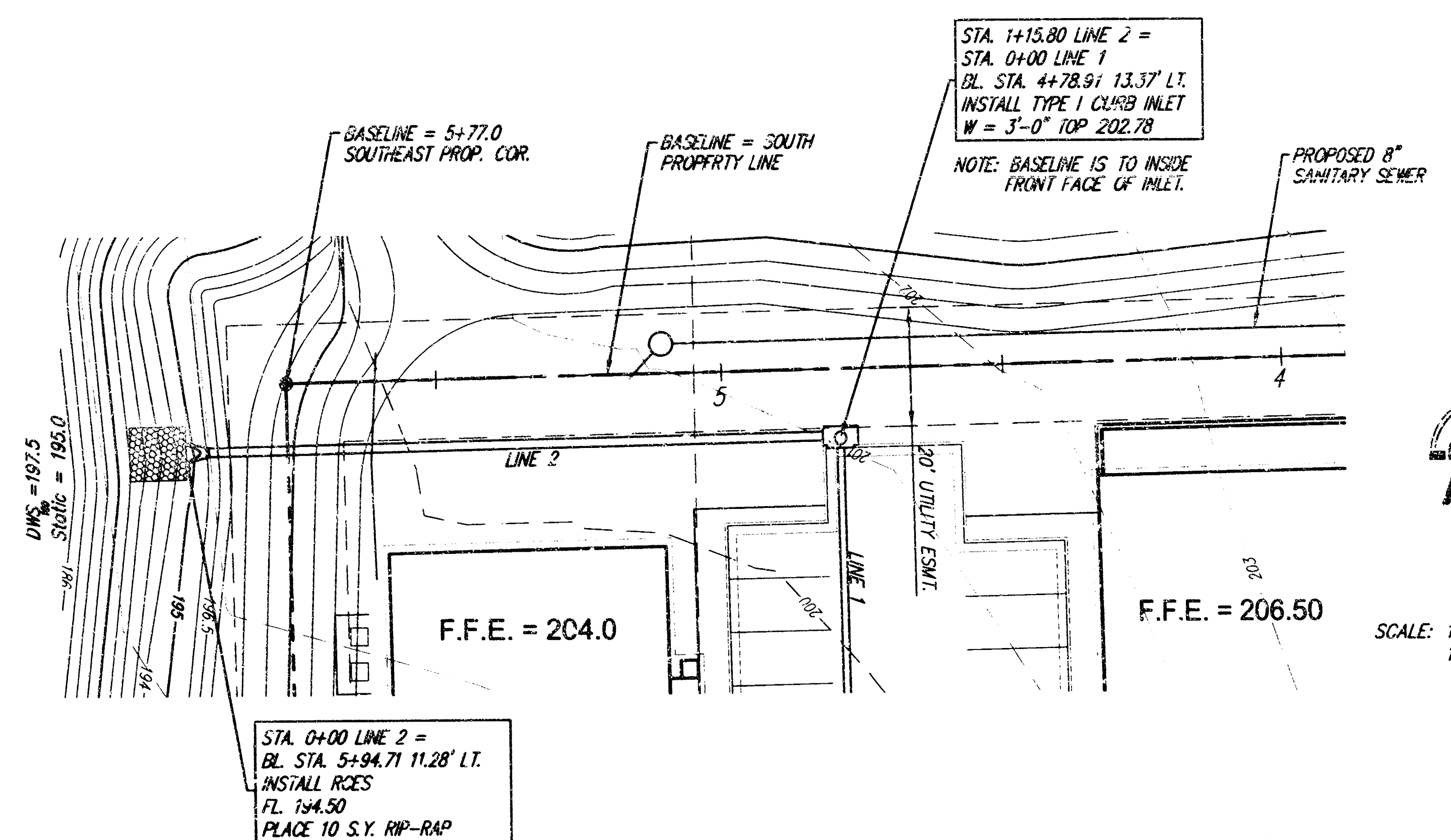
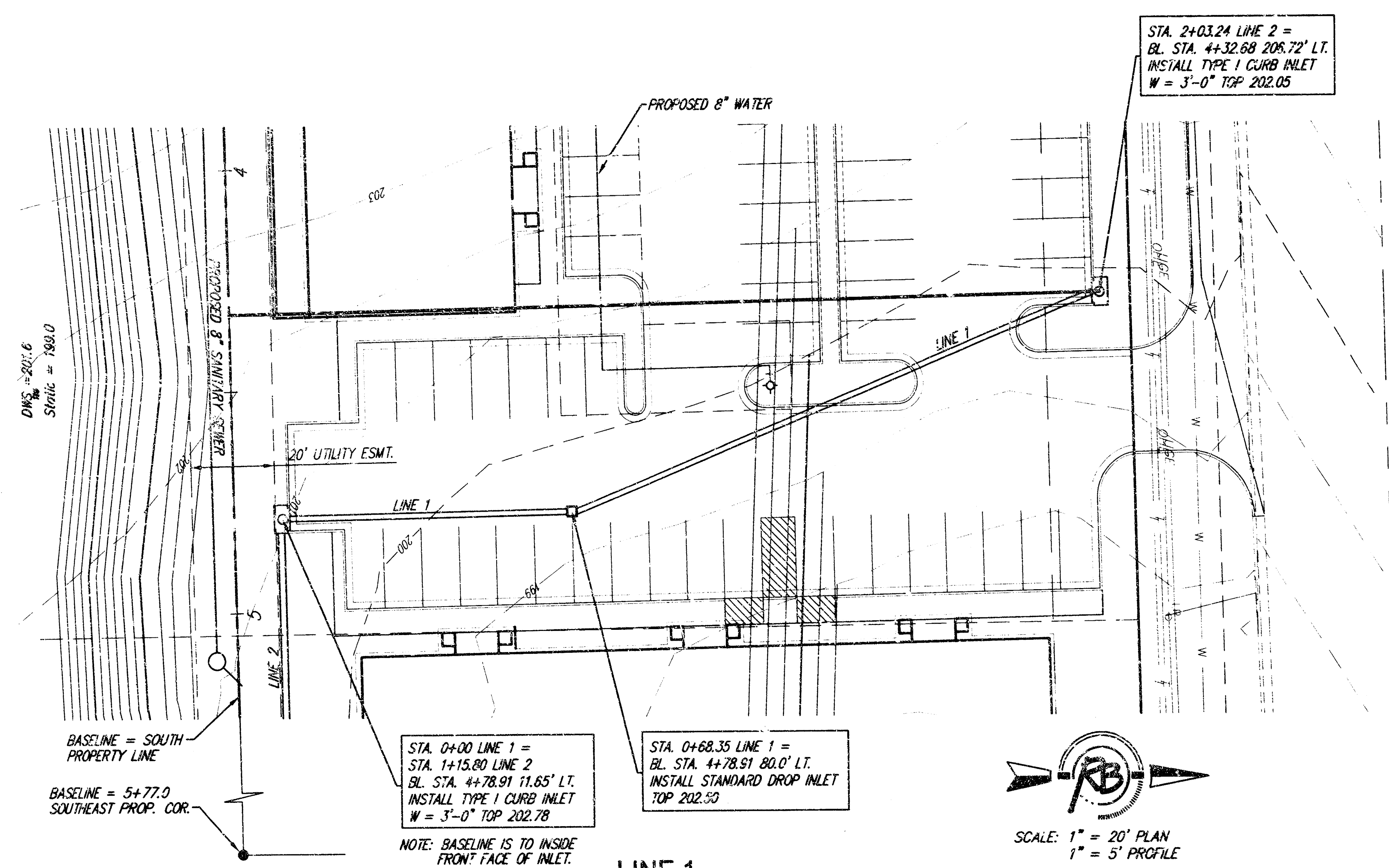
20' UTILITY EASEMENT

GRADE AWAY FROM BUILDING @ 4:1 TO MATCH POND GRADING

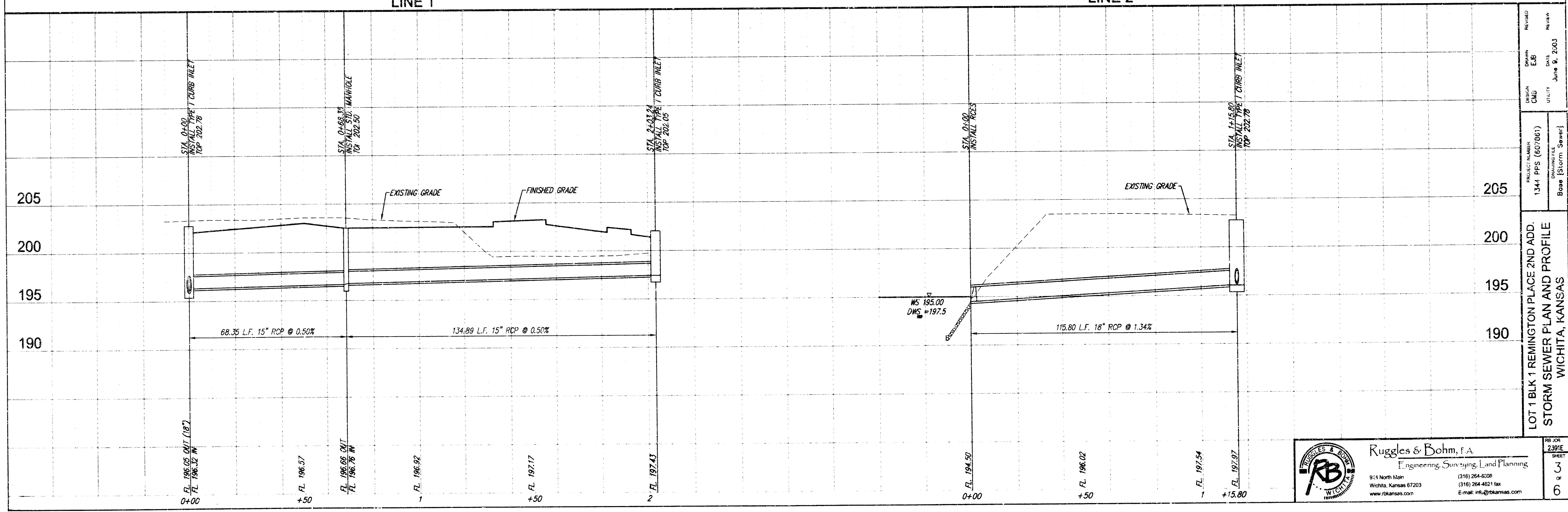


BENCHMARK
 □ CHISEL ON CENTER OF CURB INLET ON THE SOUTH CURB OF 21ST STREET NORTH, 30' SOUTH AND 40' WEST OF NORTH 1/4 CORNER, SECTION 9, T27S, R2E.

REMINGTON OFFICE PARK SITE GRADING PLAN WICHITA, KANSAS				
	Ruggles & Bohm, P.A. Engineering, Surveying, Land Planning			
	924 North Main Wichita, Kansas 67203 www.rkansas.com	(316) 264-8098 (316) 264-4821 fax E-mail: info@rkansas.com	PROJECT NUMBER 1344 PPS (607861)	DATE JUNO 23, 2003
DESIGN CHB	DRAWN EJB	REVIEW CMB	UTILITY	SHEET 2 OF 6



SCALE: 1" = 20' PLAN
1" = 5' PROFILE



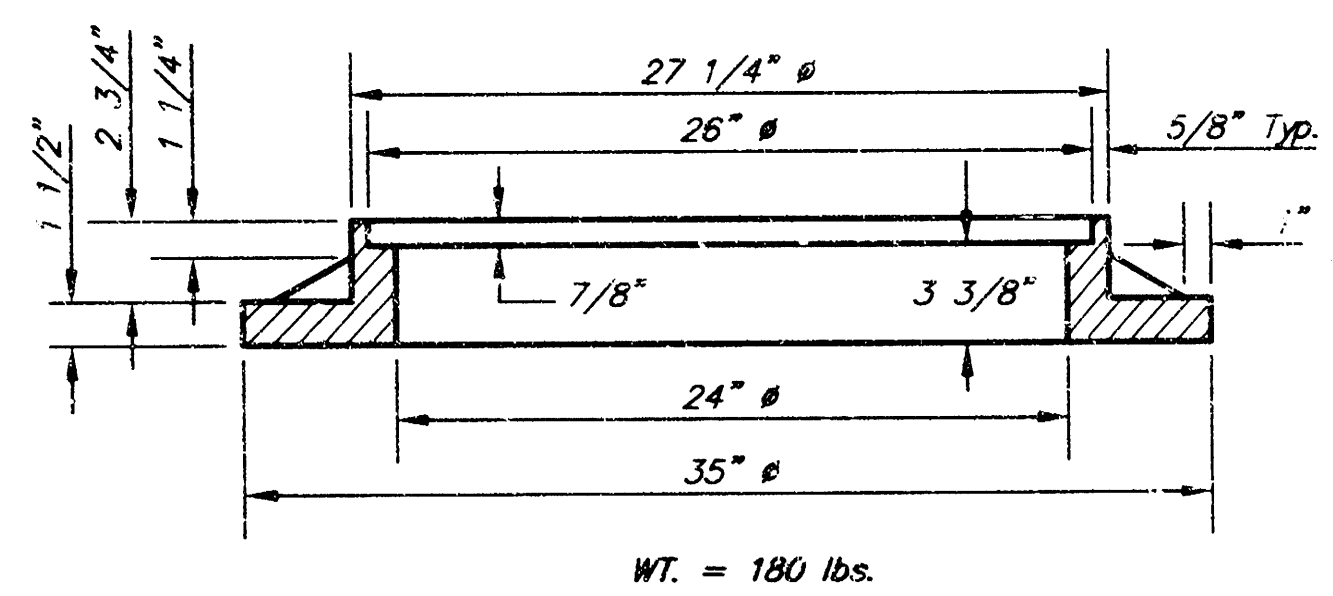
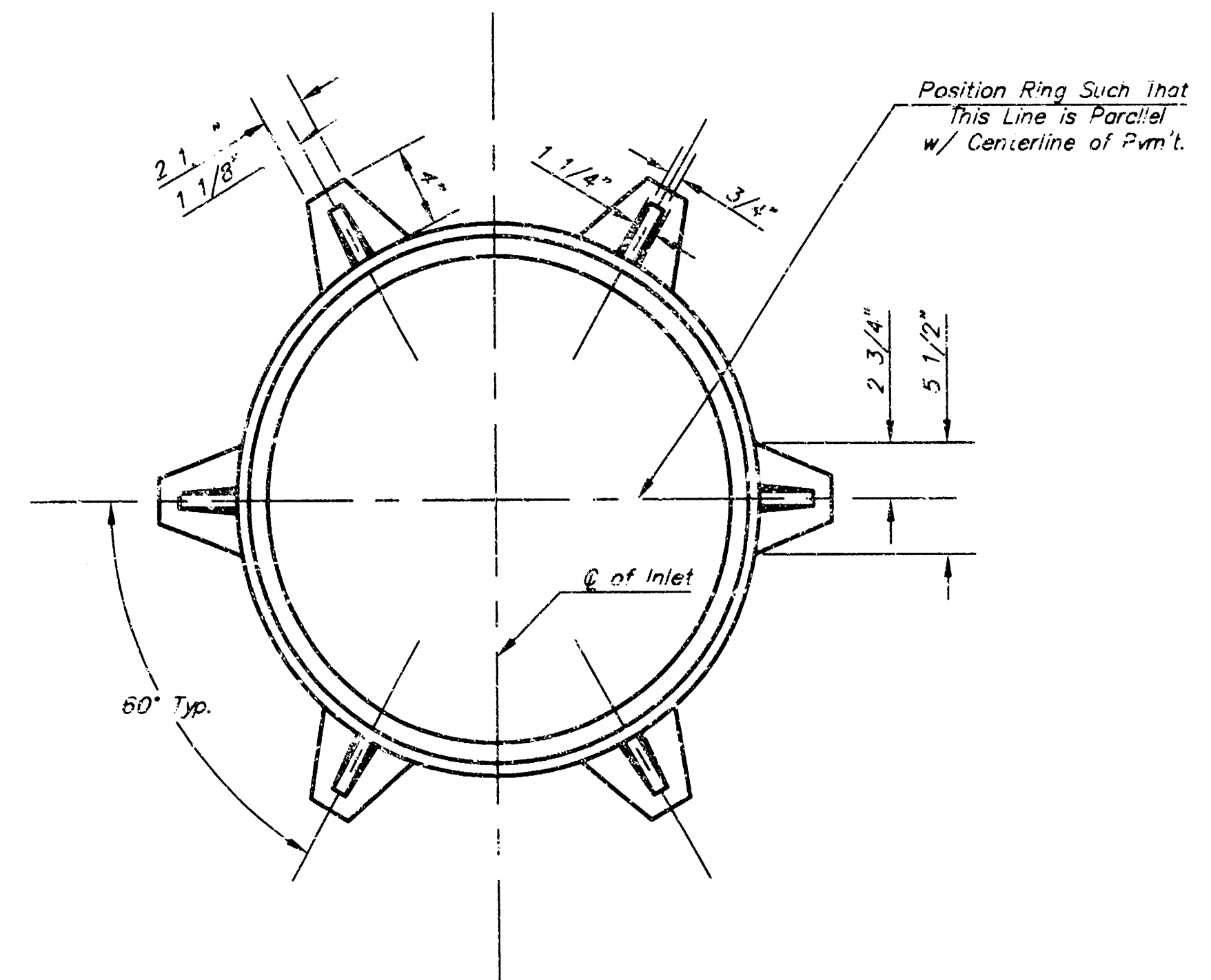
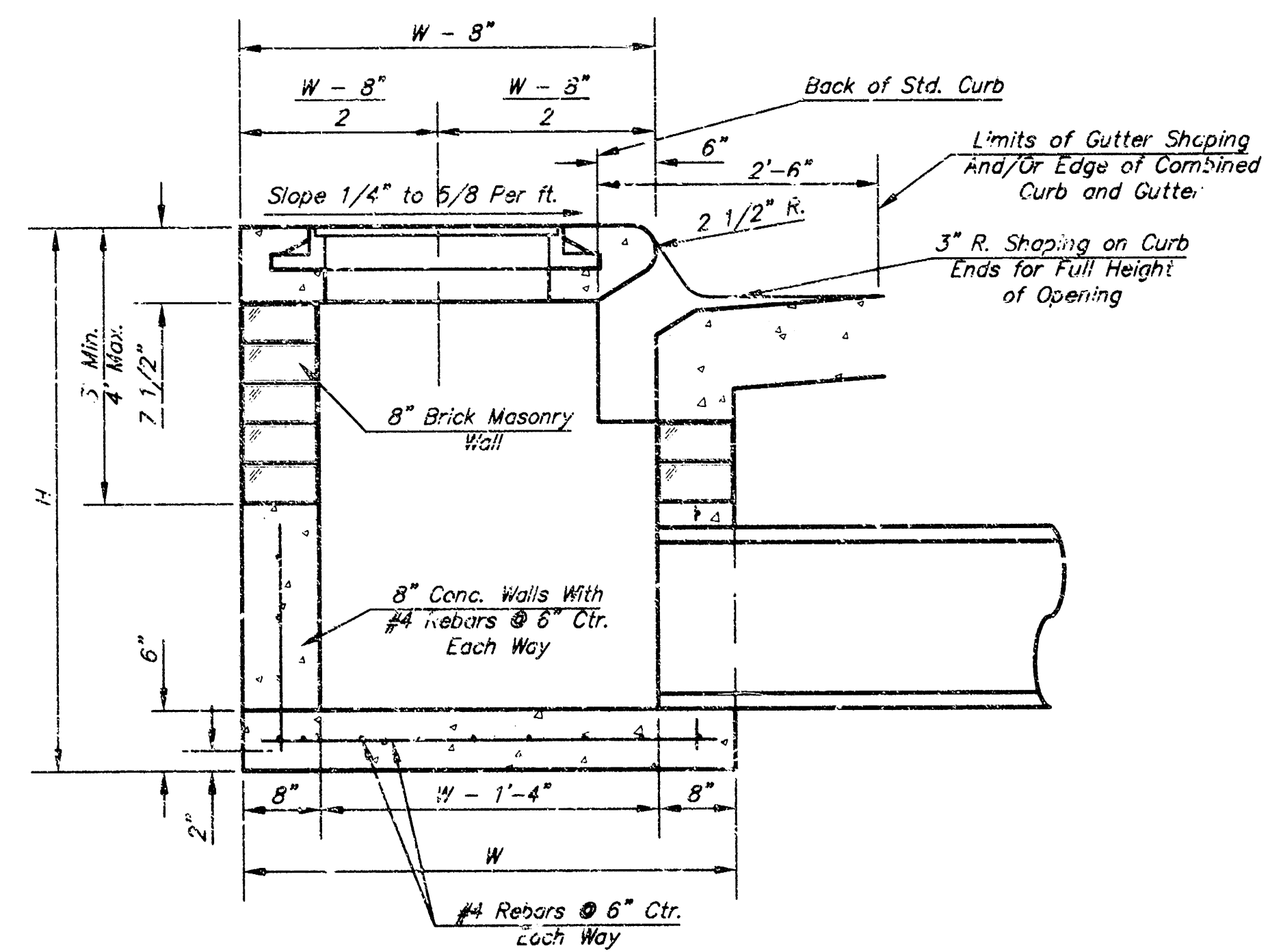
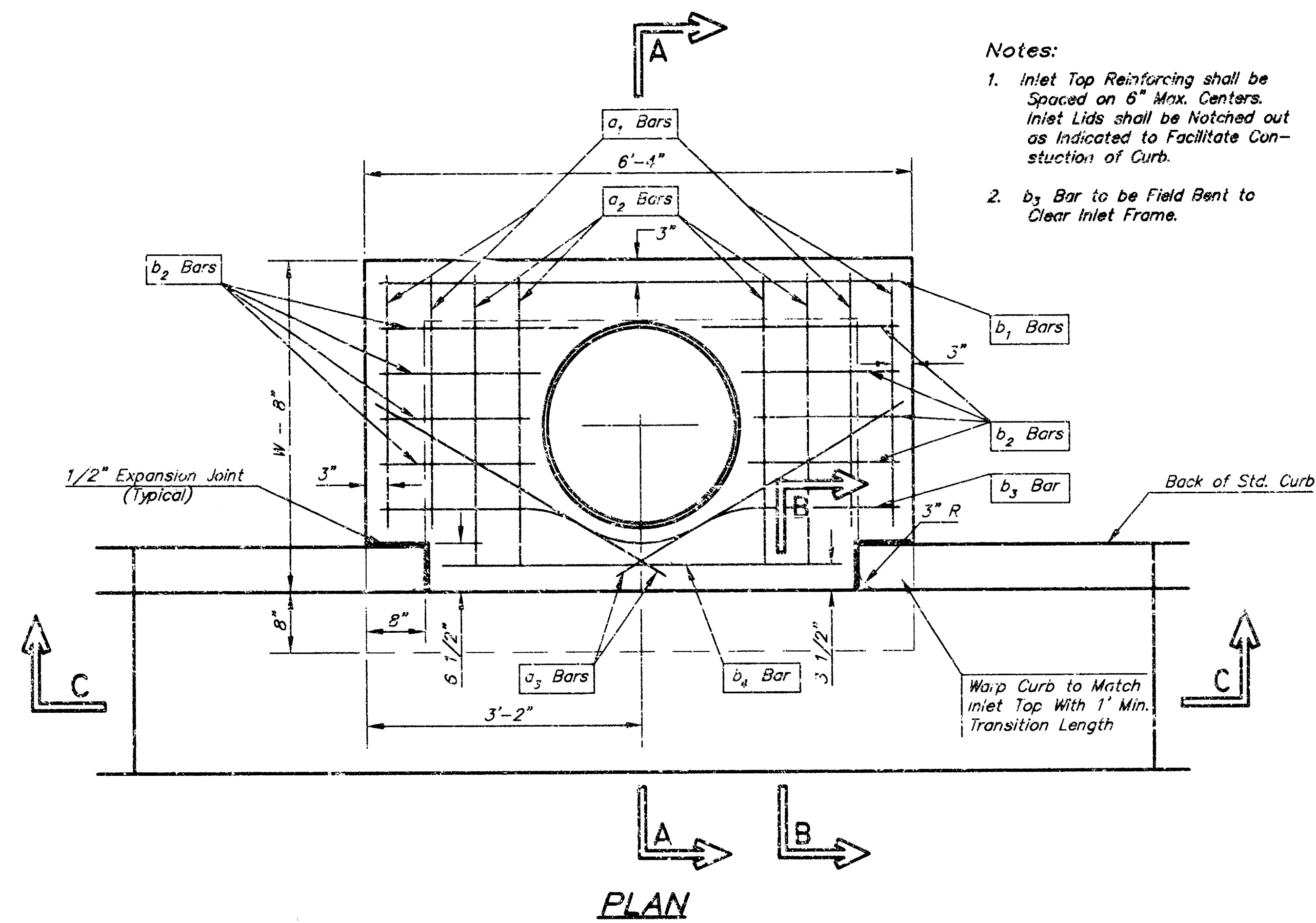
LOT 1 BLK 1 REMINGTON PLACE 2ND ADD.
STORM SEWER PLAN AND PROFILE
WICHITA, KANSAS

Ruggles & Bohm, F.A.
Engineering, Surveying, Land Planning

914 North Main
Wichita, Kansas 67203
www.rbkansas.com

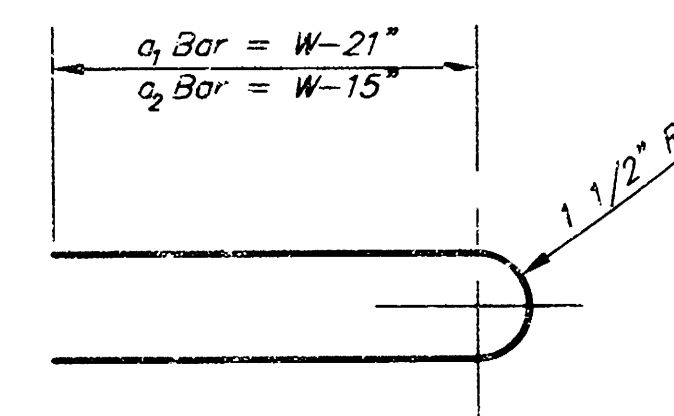
(316) 264-6028
(316) 264-4621 fax
E-mail: rfb@rbkansas.com

NO. OR 2391E
SHEET 3
DATE June 9, 2003

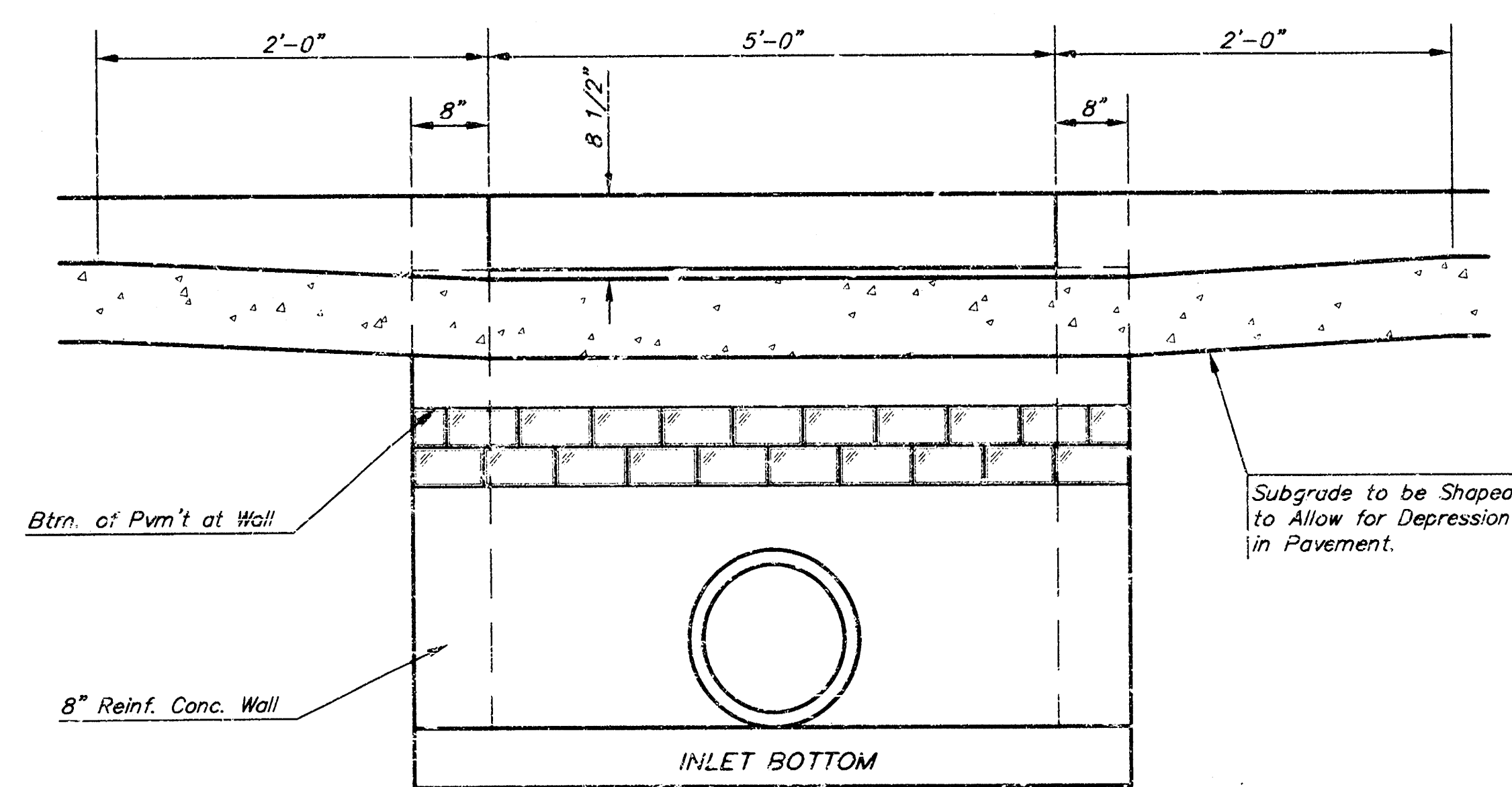


MANHOLE RING AND COVER

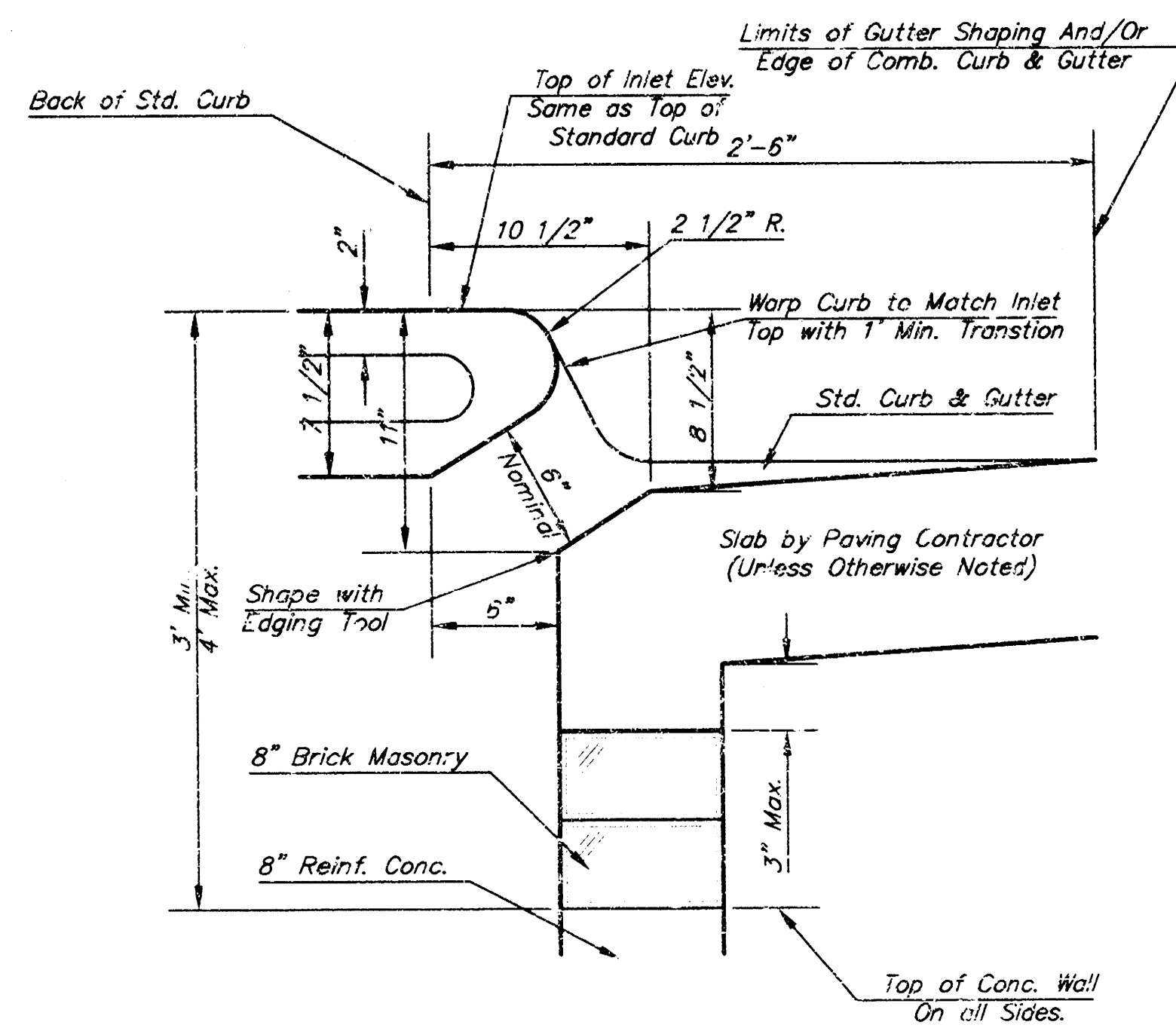
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



BENDING DIAGRAM



SECTION C-C



SECTION B-B

STEEL SCHEDULE

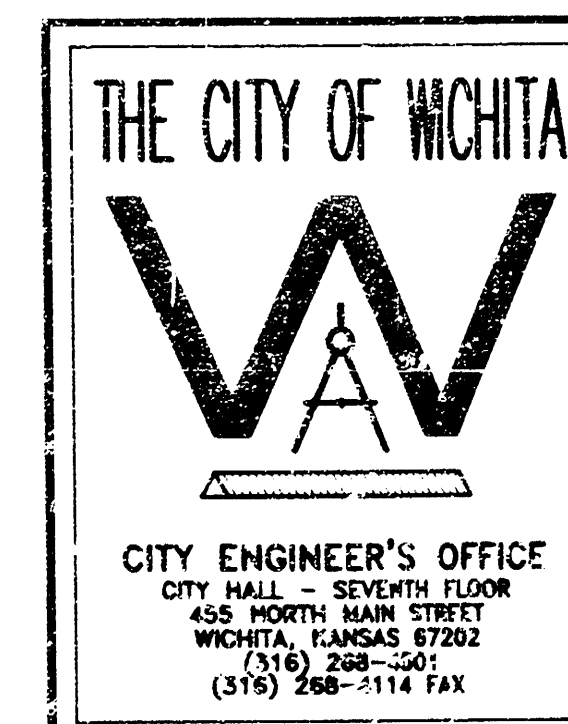
BAR NUMBER	SIZE										WT. LBS.	
	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	b ₅	b ₆	b ₇		
1	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	60±
2	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	81±
3	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	101±
4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	121±
5	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	141±

Note: a₃ Bars to be Placed Approx. 2" Below Top of Inlet Cover.

W	PRE-CAST TOP SIZE	PIPE SIZE	CUL. YD. CONC.
4'-4"	3'-8" 6'-4" 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" 6'-4" 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" 6'-4" 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" 6'-4" 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" 6'-4" 7 1/2"	60" & 66"	0.90±

GENERAL NOTES

- 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 used for inlet construction shall be concrete pavement mix.
- Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" and H=7'-0" or less.
- Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
- The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

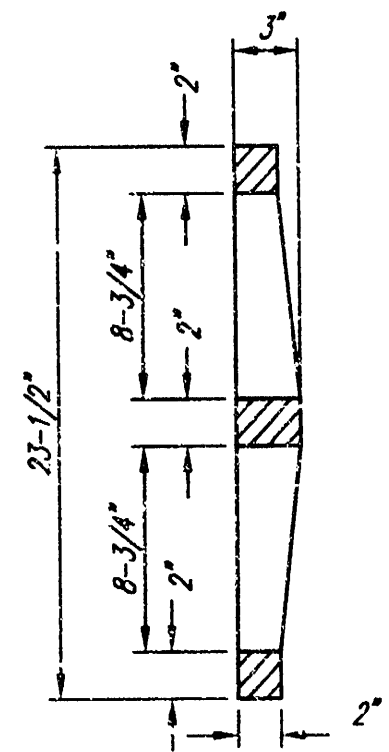
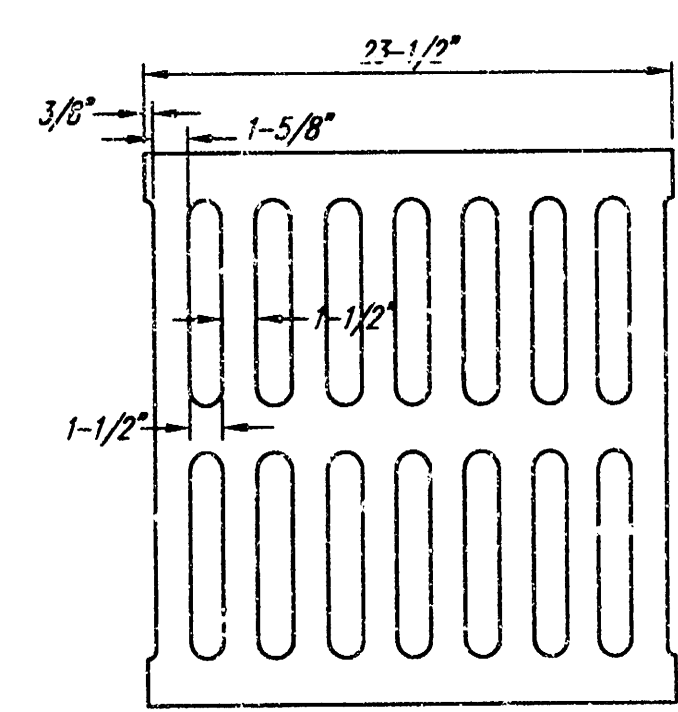
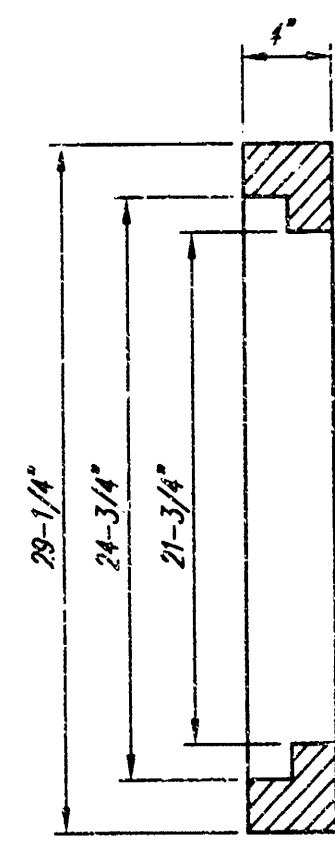
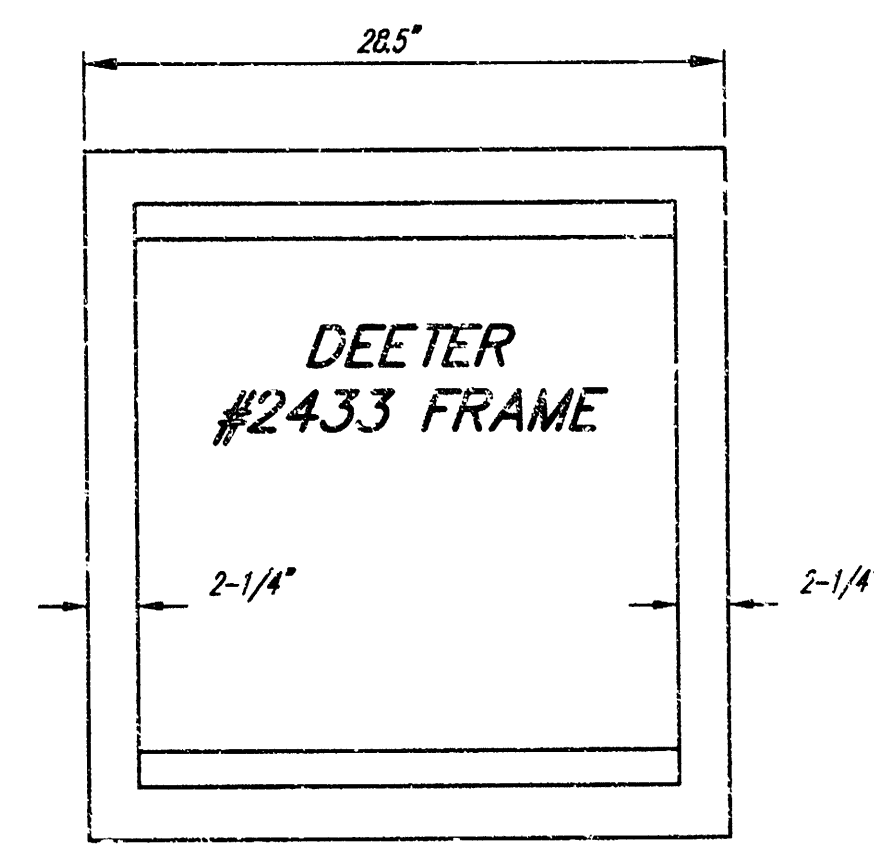


STANDARD TYPE 1 CURB INLET OPENING = 6"x5'-0"

M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER 1344 PPS (607861) OCA #

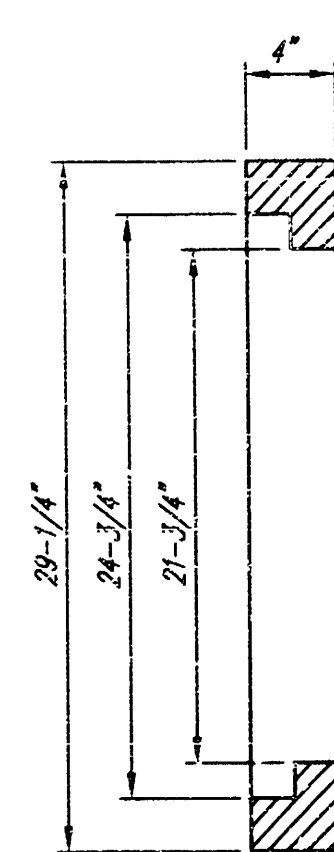
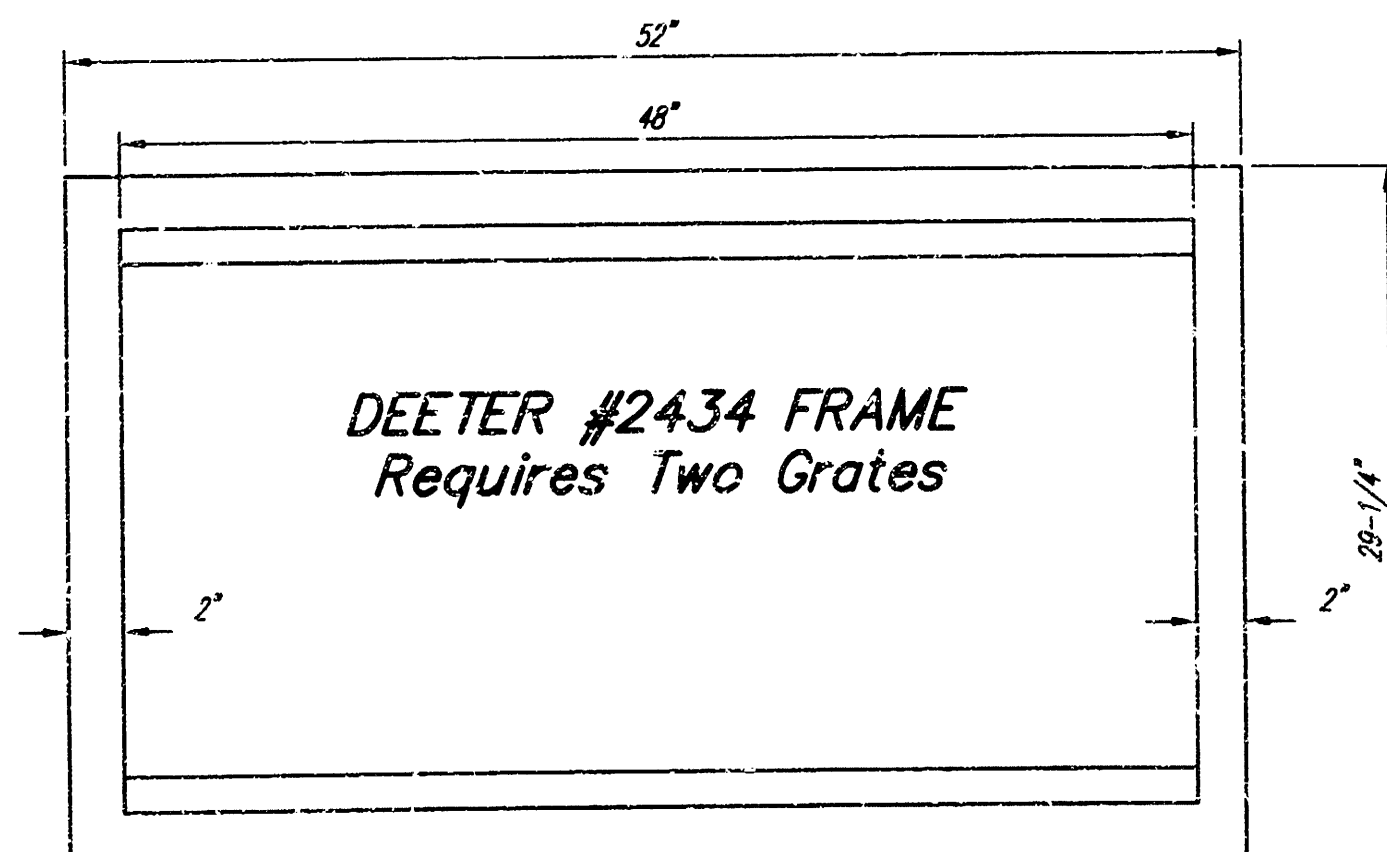
DATE MAR 96 SHEET 5 OF 6



NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

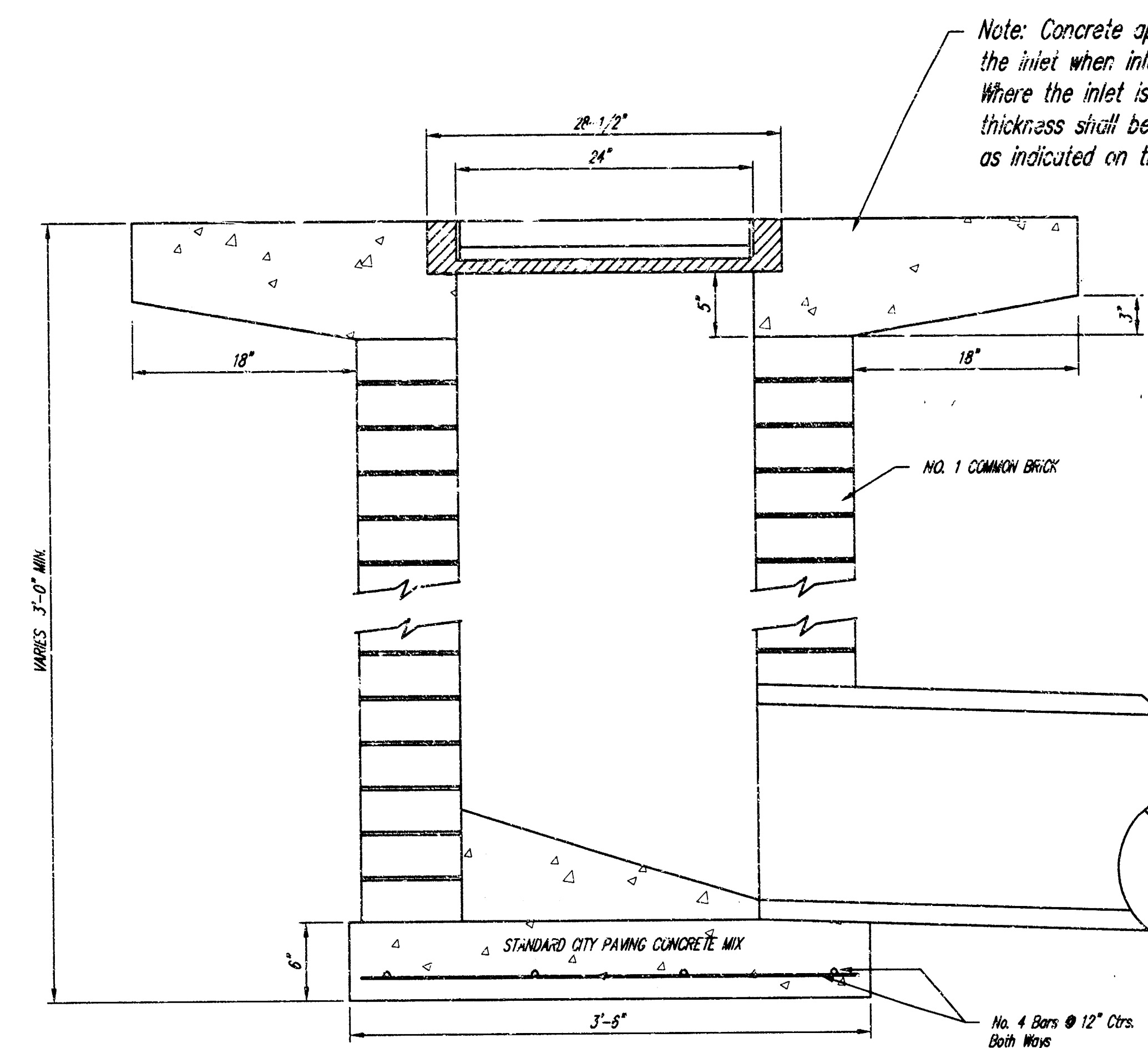
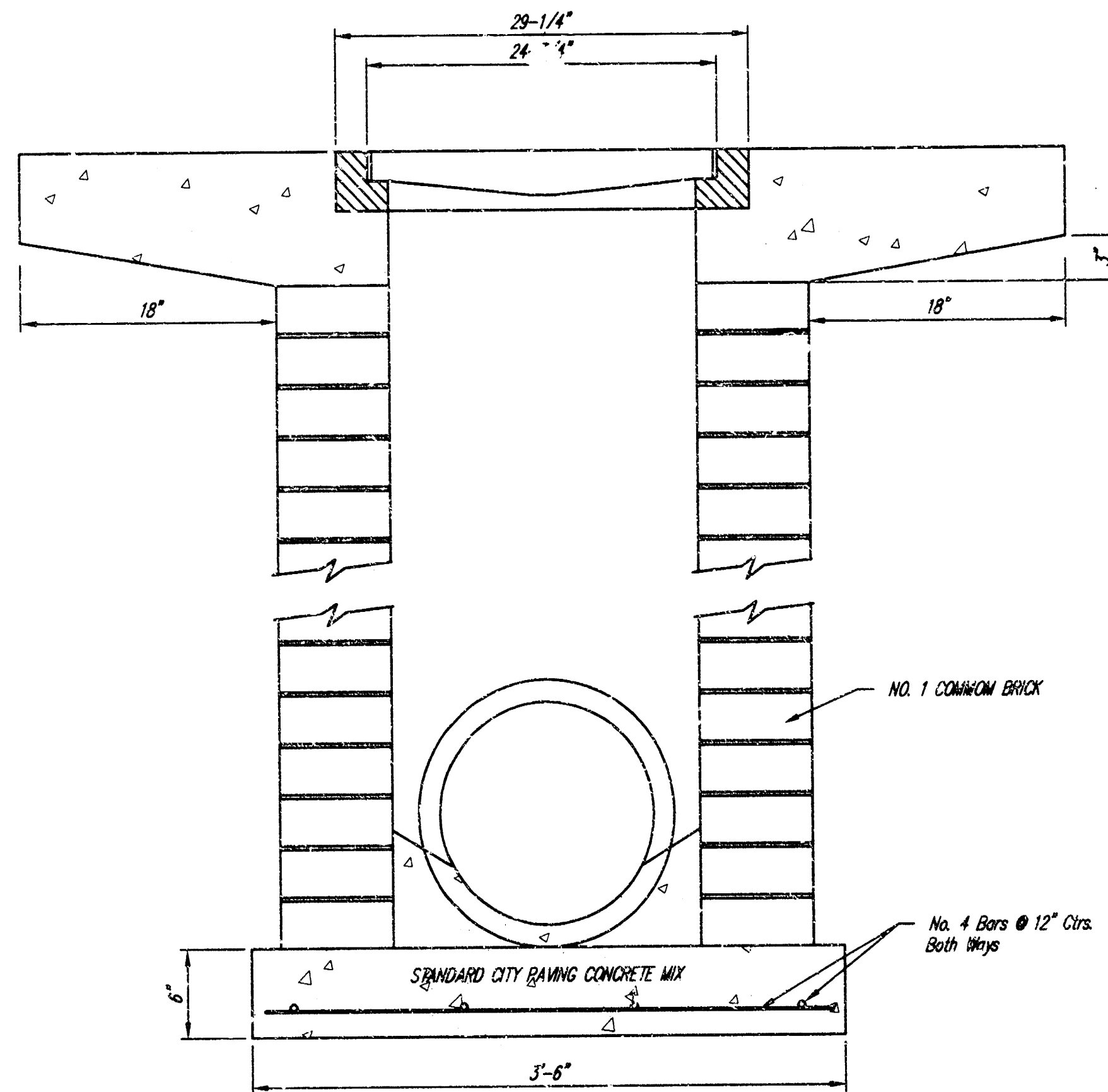
DEETER #2433 GRATE

24" x 24" Frame and Grate Detail

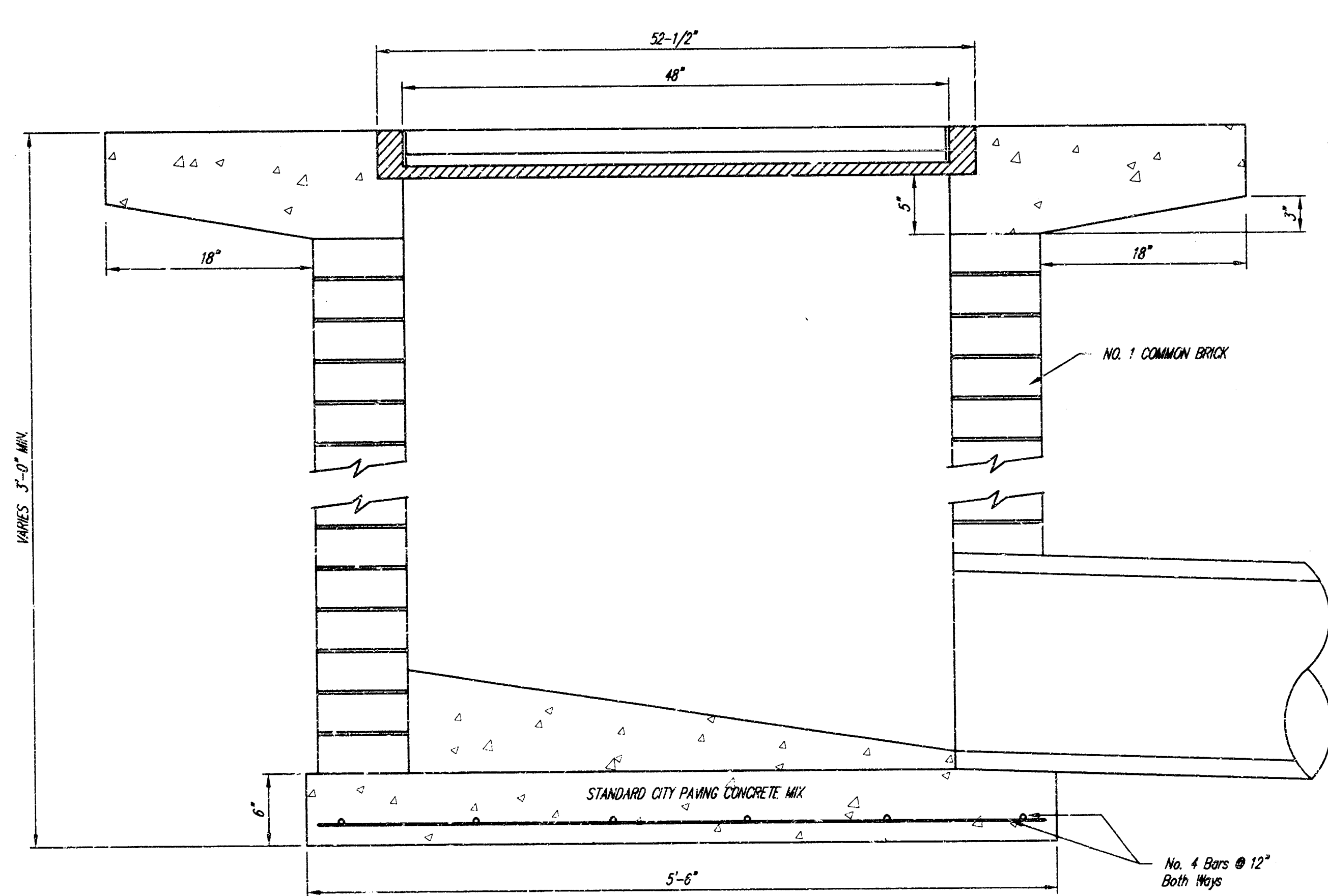


DEETER #2434 FRAME
Requires Two Grates

Double 24" x 24" Frame Detail



Note: Concrete apron shall be constructed around the inlet when inlet is located in an unpaved area. Where the inlet is adjacent to pavement, the pavement thickness shall be tapered to the inlet in 18 inches as indicated on the detail.



THE CITY OF WICHITA

 CITY ENGINEER'S OFFICE
 CITY HALL - SEVENTH FLOOR
 408 NORTH MAIN STREET
 WICHITA, KANSAS 67202
 (316) 268-4200
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DROP INLET 2'x2' / 2'x4'	
M. E. LINDEBAK P.E. - CITY ENGINEER	
PROJECT NUMBER 1344 PPS (607861)	OCA #
DATE MAR 96	SHEET 6 OF 6