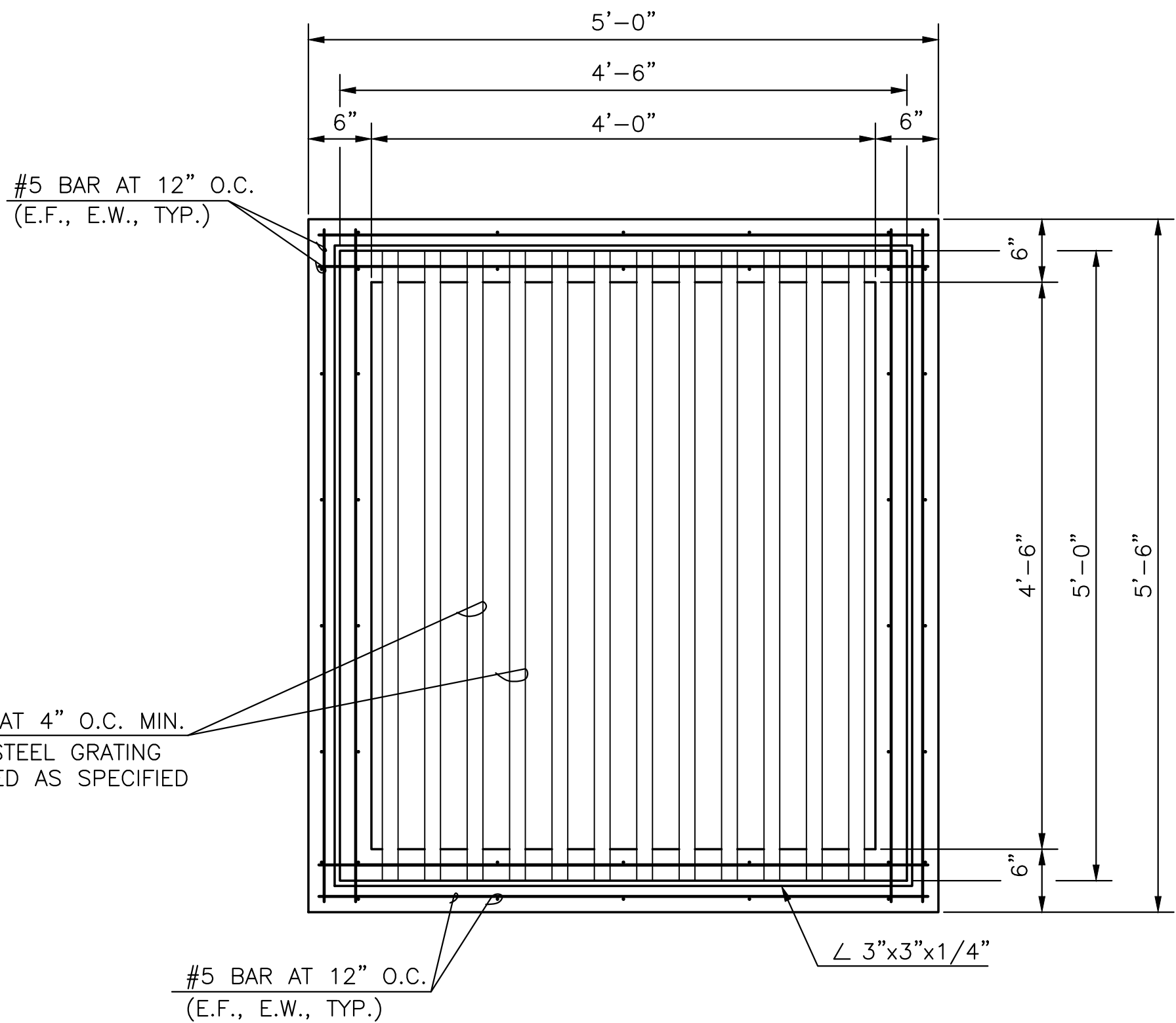
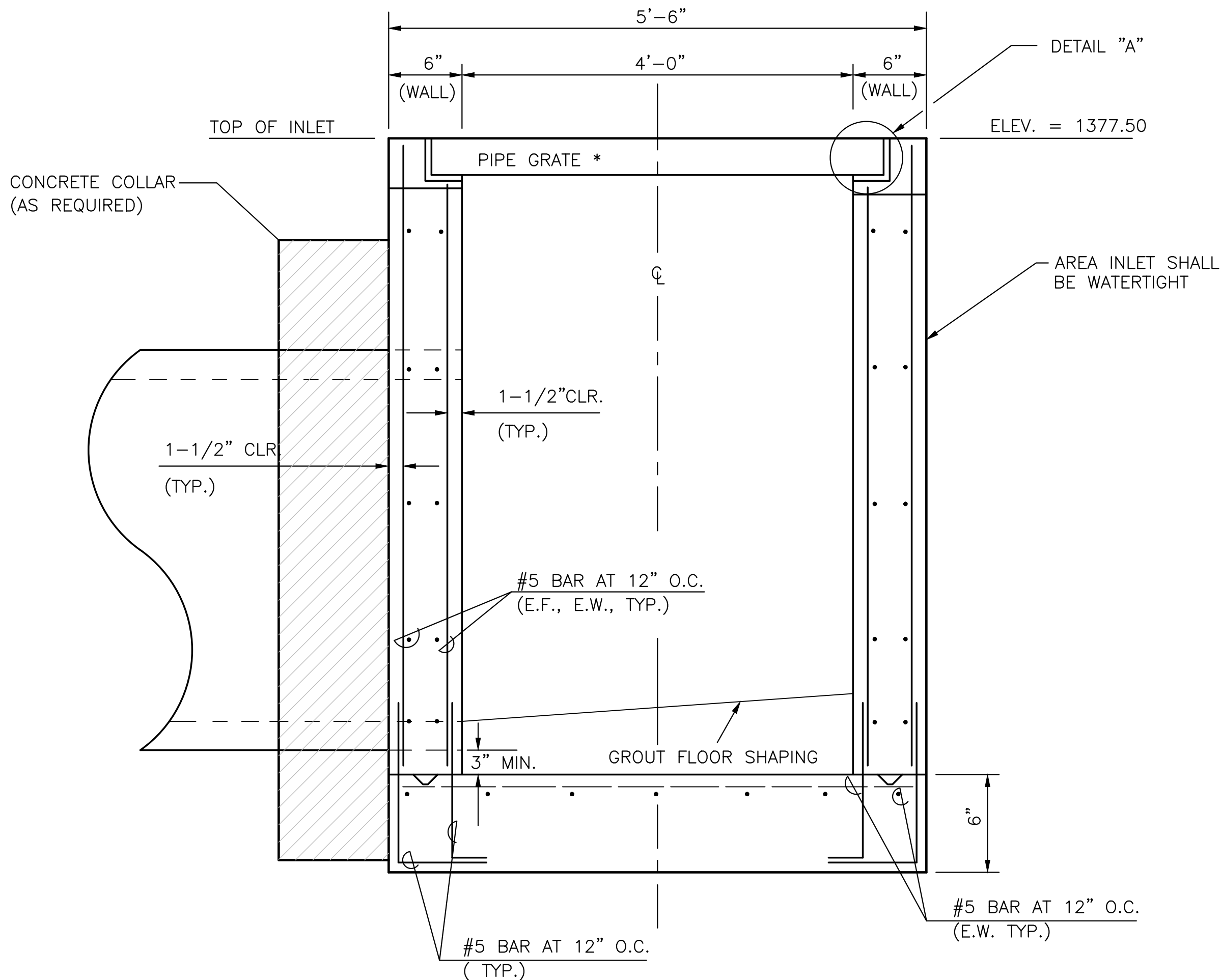


J:\PROJECTS\2025\20251010209_PERFECTION_JACOBS_135TH AND CENTRAL\00_220206 CAD\SITE\505 CIVIL\GRD\2ND ADDITION\202096_C-556-G01_2ND.DWG

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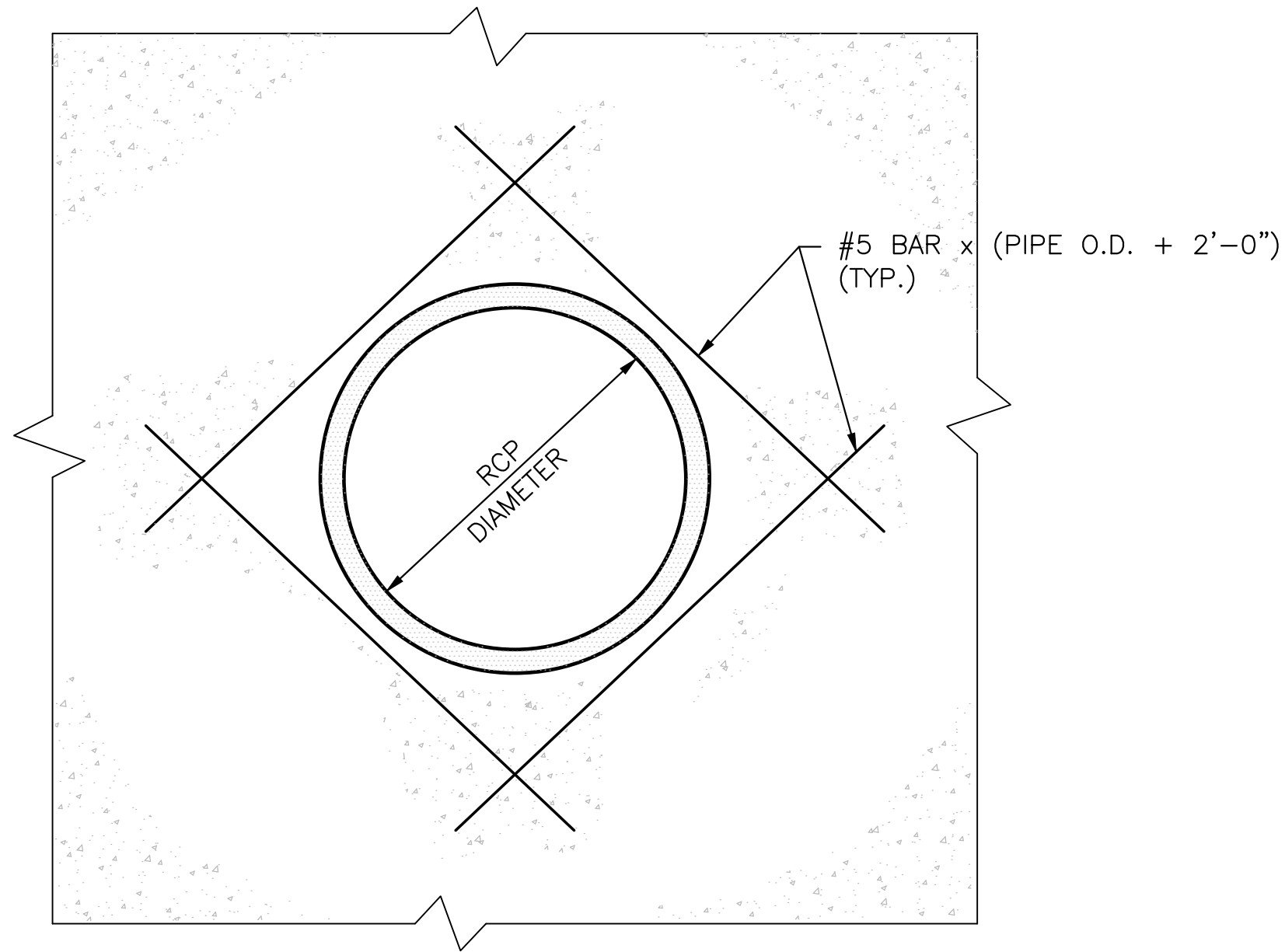
PLAN VIEW



ELEVATION VIEW

REINFORCED CONCRETE AREA INLET

SCALE: NTS
SEE SWS LINE 2 AT STA. 10+79.2

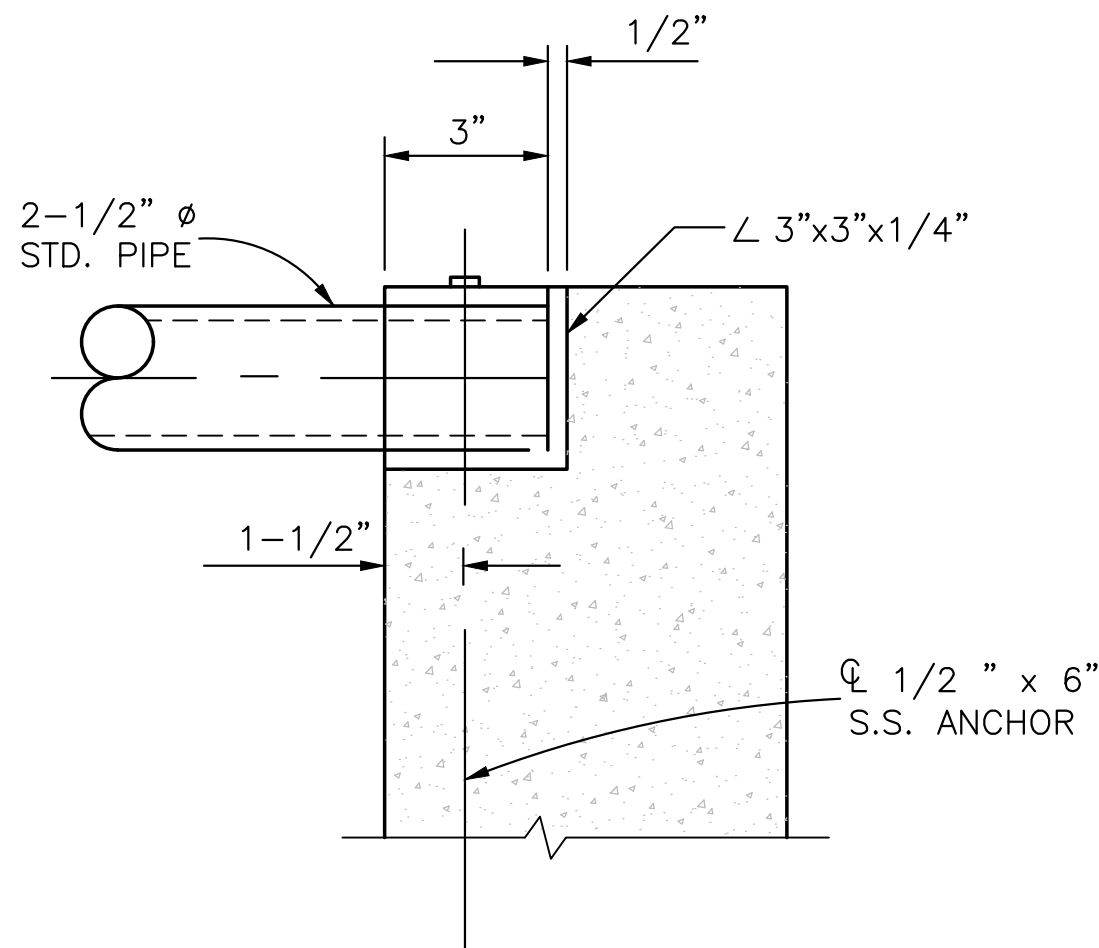


NOTE:
CUT REINFORCING AS REQUIRED TO CLEAR RCP.

TYPICAL REINFORCING AT PIPE

MATERIAL SPEC'S

MORTAR - TYPE "M"
BRICK - ASTM C62 GRADE MW
STEEL - ASTM A36 OR EQUIVALENT
GALV. ASTM A-123 STD.
CONCRETE - $f'_c = 4,000$ PSI MINIMUM WITH
6 SACKS OF CEMENT PER
CUBIC YARD MINIMUM.



NOTE:
FABRICATED STEEL GRATING SHALL
BE GALVANIZED AS SPECIFIED BY
ASTM A-123.

DETAIL "A"

ORIFICE EQUATION				
$Q = C \cdot A \cdot \sqrt{2gh}$				
h (DEPTH)	2g	C	A	Q
0.5	64.4	0.7	8.625	34.3 cfs
1.0	64.4	0.6	8.625	41.5 cfs
2.0	64.4	0.6	8.625	58.7 cfs
2.0	64.4	0.7	8.625	68.5 cfs
3.0	64.4	0.6	8.625	71.9 cfs
4.0	64.4	0.6	8.625	83.1 cfs
5.0	64.4	0.6	8.625	92.9 cfs
6.0	64.4	0.6	8.625	101.7 cfs
7.0	64.4	0.6	8.625	109.9 cfs
8.0	64.4	0.6	8.625	117.5 cfs



PHASE 1 - STORM WATER DRAINAGE #549 TO SERVE COURTYARDS AT JACOBS FARM SECOND ADDITION WICHITA, KS

RCB DETAILS (2)

PROJECT NO.
458-2025-085619

SCALE
NTS

DRAWN DESIGNED CHECKED
HHK DFL SPE

NO.	REVISION	DATE

ISSUED FOR CONSTRUCTION 06/19/2026

SHEET NO.
C-556-G01
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