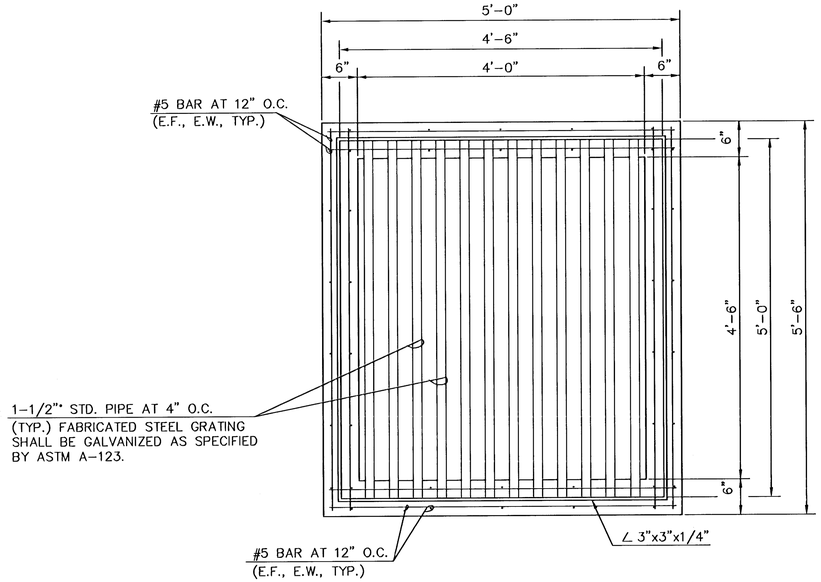
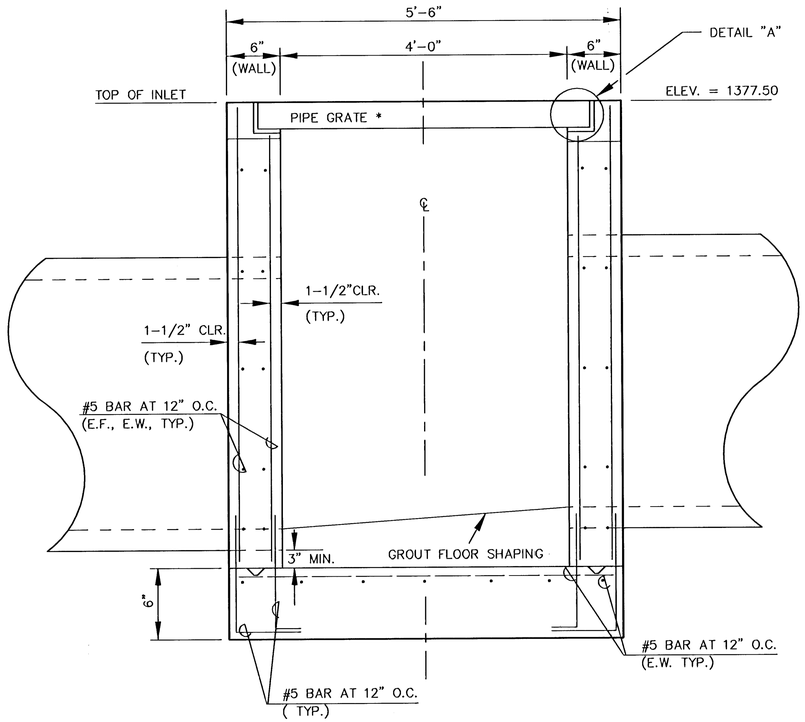


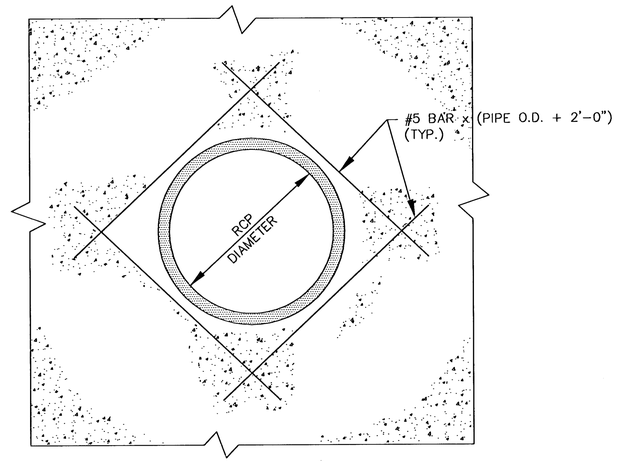
PLAN VIEW

CONTRACTOR MAY SUBSTITUTE 8" BRICK WALL FOR 6" REINFORCED CONCRETE WALL.



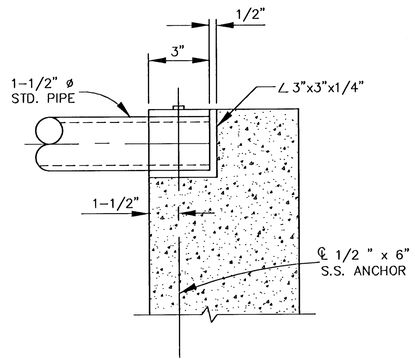
ELEVATION VIEW

REINFORCED CONCRETE AREA INLET



NOTE:
CUT REINFORCING AS REQUIRED TO CLEAR RCP.

TYPICAL REINFORCING AT PIPE



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

DETAIL "A"

MATERIAL SPEC'S

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

ORIFICE EQUATION				
$Q=C*A*\sqrt{2gh}$				
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

MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
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316 - 684 - 9600

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WOODLAND LAKES ESTATES THIRD ADDITION - ZELTA PHASE
PROJECT NAME

REINFORCED CONCRETE AREA INLET
SHEET TITLE

BSH	JAS	ASH
DESIGN BY:	DRAWN BY:	CHECKED BY:
JUNE 2003	02172	3 / 32
DATE	DRAWING NAME	SHEET / OF