

COVER BOLT HOLE-4
REQ'D EQUALLY
SPACED (SEE DETAIL
THIS SHEET)

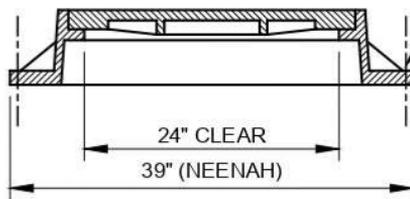
2 PICK HOLES

COVER PICK HOLE-2 REQ'D
EQUALLY SPACED (SEE
DETAIL THIS SHEET)

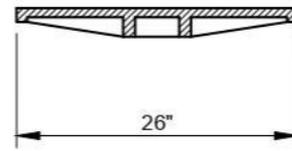
FRAME BOLT
HOLE 1" DIA.
CORED HOLE 4
REQ'D-EQUALLY
SPACED ON 32"
DIA BOLT CIRCLE

MFG. STANDARD
NON-SKID SURFACE AS
APPROVED BY ENGINEER

CAST-IN LETTERS
AS SPECIFIED



FRAME



COVER

1/2" DIAMETER BRONZE
OR STAINLESS STEEL
HEX HEAD BOLT

5/8" DIA. BOLT CLEARANCE
HOLE THRU COVER

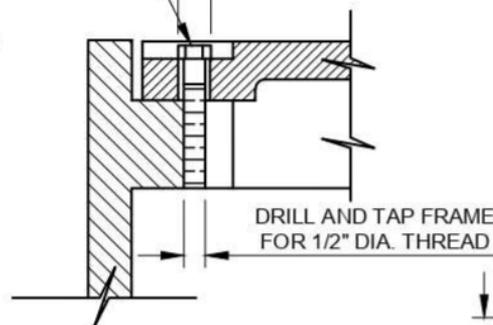
MIN. PROJECTION OF 2 1/2" ABOVE FINAL
COURSE OF BRICK OR ADJUSTMENT RING

3/4" GALV. NUT
3/4"x 1 1/2" GALV. WASHER
3/4" GALV. ALL THREAD ROD
CONCRETE INSERT

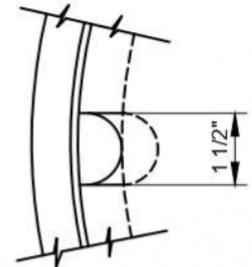
PRE-CAST CONCRETE TOP
SECTION

NOTE: 2 REQUIRED PER MANHOLE

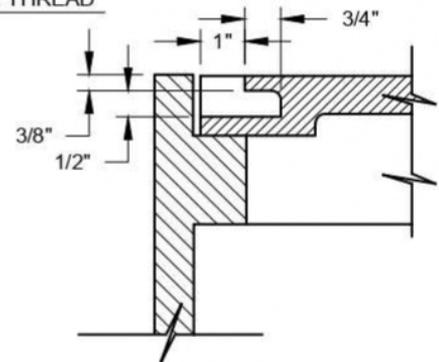
PRE-CAST MANHOLE



COVER BOLT HOLE



PLAN



COVER PICK HOLE

M.H. ANCHOR BOLT

NOT TO SCALE

SPECIFICATIONS :

ALL MATERIAL GRAY CAST IRON, A.S.T.M. A-48, CL30 SUITABLE FOR HIGHWAY
LOADING ALL FRAMES & COVERS SHALL BE COATED WITH COAL TAR PITCH VARNISH
COVER SHALL HAVE THE WORDS "PRA SEWER" CAST THEREON FRAMES SHALL BE
WATERPROOF AND COVER SHALL BE BOLTED WITH FOUR (4) 1/2" COUNTERSUNK
STAINLESS STEEL BOLTS MAKING A SEAL WITH A RUBBER "O" RING GASKET, OR
EQUAL. PROVIDE FOUR (4) ANCHOR BOLT HOLES, 1" DIA. MIN.

REVISED 5/13/2025



PENNONI ASSOCIATES INC.
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WATERPROOF MANHOLE FRAME & COVER

PREPARED FOR:

PERKASIE REGIONAL AUTHORITY

DESIGNED BY:	JAR
CHECKED BY:	SRT
DATE:	4/03/96
DRAWING NO.	PRA-S06