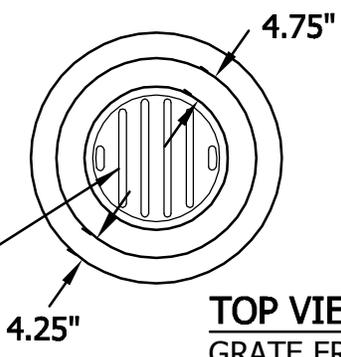


PRECAST INVERT SHOULD BE 1/2 DIAMETER OF PIPE AND BENCHES SLOPED 2" TOWARD INVERT.

PLAN-INVERT



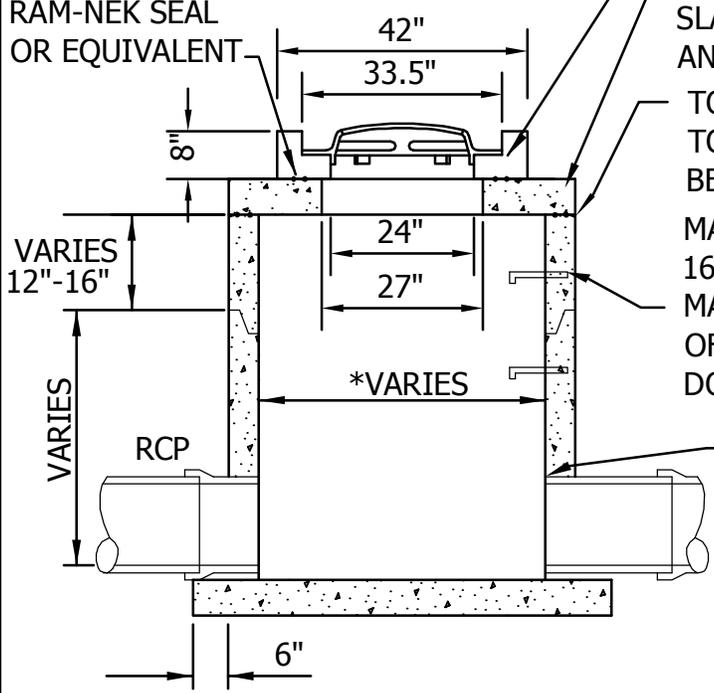
TOP VIEW GRATE FRAME

NEENAH R4342 CASTING OR EQUAL

NO BLOCK STRUCTURES ARE ALLOWED. FOR 6' DIAM. MANHOLE AN 8" PRECAST SLAB IS REQUIRED.

STORM SEWER SHALL BE RCP

RAM-NEK SEAL OR EQUIVALENT



SECTION

CONCRETE STOOL GRATE FRAME
 6" PRECAST REINFORCED CONCRETE MANHOLE SLAB WITH #4 BARS AT 5" O.C. EACH WAY AND 2-#4 BARS AT ALL SIDES OF OPENING.
 TOP OF BARREL SECTION BELOW TOP SLAB TO HAVE FLAT TOP EDGE SEALED WITH 2 BEADS OF RAMNEK OR EQUAL.
 MANHOLE STEPS, NEENAH R1981J OR EQUAL, 16" ON CENTER. ALUMINUM STEPS APPROVED.
 MANHOLE STEPS SHALL BE PLACED SO THAT OFFSET HOLE IN TOP SLAB IS FACING DOWNSTREAM.

PIPE SHALL BE CUT OUT FLUSH WITH INSIDE FACE OF WALL. DOGHOUSES MUST BE GROUTED BOTH INSIDE AND OUTSIDE.

*DETERMINED BY PIPE SIZE



STANDARD DETAILS
 OFF STREET CATCHBASIN WITH
 CONCRETE STOOL GRATE
 FRAME

COTTAGE GROVE, MINNESOTA

LAST REVISION:
 JAN 2014

PLATE NO.
 STO-9