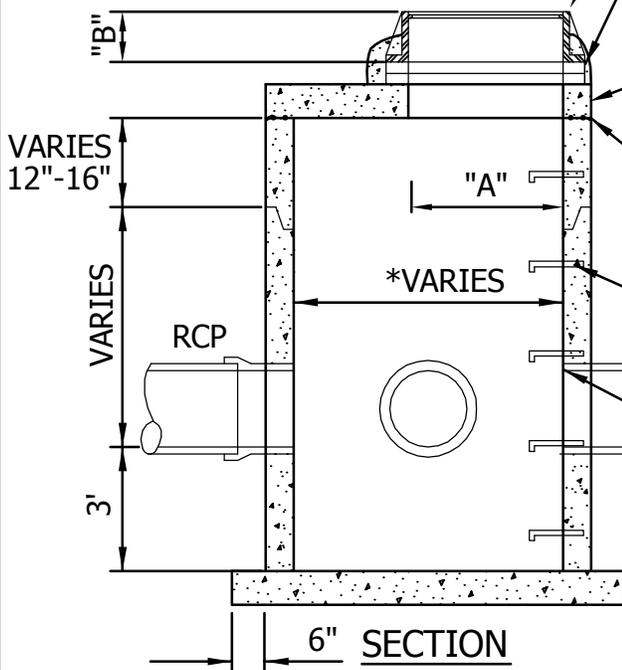


PRECAST INVERT SHOULD BE 1/2 DIAMETER OF PIPE AND BENCHES SLOPED 2" TOWARD INVERT.

CASTING	A	B
R1642B	27"	7"

PLAN

FOR 6' DIAM. MANHOLE AN 8" PRECAST SLAB IS REQUIRED.



MANHOLE STEPS SHALL BE PLACED SO THAT OFFSET VERTICAL PORTION OF CONE IS FACING DOWNSTREAM. NO BLOCK STRUCTURES ARE ALLOWED.

NEENAH FRAME AND PLATEN LID OR EQUAL LETTERED, "STORM SEWER", WITH 2 CONCEALED PICK HOLES.

MINIMUM OF 2", MAXIMUM OF 12" OF HDPE ADJUSTMENT RINGS. WOVEN FILTER FABRIC SHALL THEN BE WRAPPED AROUND HDPE RINGS. CONCRETE COLLAR SHALL BE PLACED AROUND FILTER FABRIC.

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.

PIPE SHALL BE CUT OUT FLUSH WITH INSIDE FACE OF WALL.

STORM SEWER SHALL BE RCP

DOGHOUSES MUST BE GROUTED BOTH INSIDE AND OUTSIDE.

\*DETERMINED BY PIPE SIZE



STANDARD DETAILS

STORM SEWER JUNCTION  
MANHOLE WITH REINFORCED  
TOP SLAB AND SUMP  
COTTAGE GROVE, MINNESOTA

LAST REVISION:  
JAN 2014

PLATE NO.  
STO-4