SANITARY MANHOLE DETAIL

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TOP HALF OF SANITARY MAINLINE TO BE CUT AWAY INSIDE MANHOLE (IF PIPE INVERT IS NOT PRECAST INTO BOTTOM)

FRAME & COVER TO BE NEENAH R-1712 HEAVY DUTY OR EAST JORDAN IRON WORKS 1020A EXTRA HEAVY DUTY WITH "SANITARY" IMPRINTED ON THE COVER. COVER SHALL BE WATERTIGHT/SELF-SEALING. NO OTHER FRAMES OR LIDS WILL BE APPROVED!

GROUND LINE

SECTION A-A

CONCRETE BENCH

SMOOTH TRANSITION FROM INCOMING SEWER TO STORM MAIN LINE IN MANHOLE

INCOMING SEWER

DIRECTION OF FLOW

INCOMING SEWER

ELASTOMERIC CHIMNEY SEAL

OFFSET CONE

PLASTIC PSI-PF STEPS 16" O.C.

3.0" NECK

5.0"

PRECAST CONCRETE ADJUST RINGS IF NEEDED (8-INCHES MAX)

PRECAST REINFORCED CONCRETE CONE, BARREL, AND BOTTOM SECTIONS ALL JOINTS TO BE SEALED WITH BITUMINOUS ROPE SEALANT

BITUMINOUS ROPE SEALANT (TYP.)

WATER-TIGHT RUBBER BOOT WITH BAND-SEAL (ASTM C-923)

ALL SANITARY MANHOLE SECTIONS (CONE, BARRELS, AND BOTTOM SECTION) SHALL HAVE AN EXTERIOR WATERPROOF COATING

48.0"

A

INCOMING SEWER

CONCRETE BENCH

SANITARY MAIN

INCOMING SEWER

CA-11 BEDDING STONE (4" MIN. THICKNESS)

UNDISTURBED EARTH

STANDARD DETAILS

2014

VILLAGE OF NORTHBROOK
PUBLIC WORKS DEPARTMENT