SANITARY DROP MANHOLE DETAIL

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.

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

Elastomeric chimney seal

30.0"

Offset cone

3.0" neck

5.0"

Precast drop tee

Plastic psi-Pf steps 16" O.C.

Mortar dam 1/2 incoming pipe dia.

48.0" concrete bench

Sanitary main

Top half of sanitary main line to be cut away inside manhole (if pipe invert is not precast into bottom)

Incoming sewer

>12"

All sanitary manhole sections (cone, barrels, and bottom section) and precast drop structure shall have an exterior waterproof coating

Vertical drop piping shall be equal to incoming sewer pipe size if less than 12" for incoming sewer pipe sizes 12" and greater, vertical drop piping shall be 12"

CA-11 bedding stone (4" min. thickness)

Undisturbed earth

SANITARY DROP MANHOLE DETAIL

STANDARD DETAILS
2014

VILLAGE OF NORTHBROOK
PUBLIC WORKS DEPARTMENT