

MAXIMUM TOTAL CHIMNEY HEIGHT, EXCLUDING MANHOLE FRAME, SHALL NOT EXCEED 16 INCHES AND BE A MINIMUM OF 2". ALL CHIMNEY'S SHALL BE BUILT ACCORDING TO THE SAN. MH. CHIMNEY ASSEMBLY DETAILS. ASSEMBLY DIFFERS FOR MH. IN PAVEMENT OR TURF.

FRAME AND COVER IN PAVED AREAS:  
NEENAH R-1661 W/SELF SEALING COVER & CONCEALED PICKHOLES.  
ALL MANHOLES SHALL REQUIRE A 2" PAVING RING, NEENAH R-1979 SERIES REF.  
# 1661-7158, SET TO 1/4" BELOW FINISH PAVEMENT GRADE.

IN TURF AREAS:  
NEENAH R-1661 BOLT DOWN GASKETED SELF-SEALING LID & 2 CONCEALED PICKHOLES.  
FRAMES SHALL BE BOLTED TO THE CHIMNEY W/1/2" DIA. STAINLESS STEEL ANCHOR BOLTS EXTENDING 4" INTO CHIMNEY

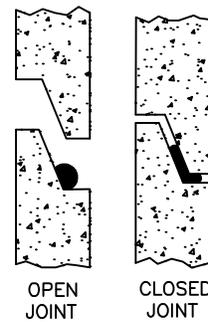
ALL CHIMNEY'S SHALL BE BUILT USING VILLAGE SPECIFICATIONS. RINGS SHALL BE INSTALLED PER MANUFACTURES INSTRUCTIONS.

NOTE:

ALL SANITARY SEWER MANHOLES AND ALL SAMPLING MANHOLES SHALL HAVE A MINIMUM PITCH OF 0.10' THRU THE TROUGH, FROM END TO END, UNLESS OTHERWISE DIRECTED BY THE VILLAGE ENGINEER.

ALL SANITARY SAMPLING MANHOLES SHALL BE BUILT USING A PRECAST CONCRETE CONE SECTION. CONCRETE FLAT TOP SECTIONS SHALL NOT BE ALLOWED UNLESS APPROVED BY THE VILLAGE ENGINEER

PRECAST CONCRETE MANHOLE BARREL SECTIONS SHALL BE JOINED WITH AN BUTYL RUBBER SEALANT OR APPROVED EQUAL.



TYPICAL BUTYL SEALANT INSTALLATION

EXTERNAL JOINT SEAL SHALL BE MACWRAP EXTERNAL JOINT SEALERS (TYP.)

THE ANNULAR SPACE BETWEEN THE SPRING LINE OF THE PIPE AND MANHOLE WALL SHALL BE FILLED WITH CONCRETE.

ADAPTOR, INC.  
INTERNAL/EXTERNAL  
FRAME/CHIMNEY SEAL

2" - 16"  
MEASURED  
INTERNALLY  
FROM TOP OF  
CORBEL SECTION

2 LAYERS  
OF 8 MIL  
POLYETHYLENE  
WRAP

5" MIN.

MANHOLE STEPS  
16" ON CENTER

HALF DEPTH BENCH  
BOTH SIDES  
2"/FT.SLOPE

6"

MIN. 4" GRAVEL STONE BASE

SPRAY EPOXY  
COATINGS

MH EXTERIOR: 2 COATS (BLACK) OF AMERON INTERNATIONAL, AMERCOAT 78 HB AT 8-10 MILS EA.  
MH INTERIOR: 2 COATS (WHITE) OF PERMITE PCS-9043 TYPE II PERMOX PIPE GLAZE AT 20 MILS EA.  
COATINGS SHALL BE APPLIED BY SUPPLIERS AT THE PLANT.



STANDARD  
SANITARY MANHOLE &  
SAMPLING MANHOLE DETAIL

REVISED DATE: 10/11/2019 FJR

NOT TO SCALE