SANITARY SEWER PRECAST MANHOLE

GASKETED OR SEALED COVER IF IN OCCUPIED AREA INSIDE THE BUILDING, PUBLIC AREAS AND PLAZA

COVER EJ 00120321
FRAME EJ 00140511

5-6 INCH COVER
PRE CAST GRADE RINGS
RATE CONCRETE STRUCTURE FOR HS25 LOADING

24" DIA.

USE 6000psi GROUT

ECCENTRIC CONE SECTION
(IF MANHOLE IS LESS THAN 5' DEEP USE FLAT INTERLOCKING COVER SLAB)

CAST-IN-PLACE CAST IRON STEPS WITH AN EPOXY COATING, 12" O.C.
NEENAH R-1981-N OR R1982-F STAIRS TO ALIGN
RISER
4000 PSI CONCRETE (TYP.)
BUTYL JOINT SEAL (TYP.)
MONOLITHIC BASE
RESILIENT CONNECTOR FOR PIPE ENTRY ASTM C-923

CONCRETE FILL
2 1/2" / 1' SLOPE ON SIDES

RUN PIPES THROUGH STRUCTURE, POUR INVERT TO ENCOMPASS 2/3 OF PIPE DIA., NEATLY CUT OFF EXPOSED TOP 1/3 OF PIPE DIA. FROM SIDEWALL TO SIDEWALL OF STRUCTURE
PLACE ON 12" COMPACTED NYSDOT 304-2.02 TYPE 2 CRUSHER-RUN LEDGEROCK ENGINEERED FOR HS25 LOADING

SANITARY SEWER PRECAST MANHOLE
NO SCALE

DESIGN and CONSTRUCTION STANDARDS
CORNELL UNIVERSITY

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