

FINISHED GRADE IS APPROXIMATE ONLY.
CONTRACTOR TO VERIFY IN THE FIELD
PRIOR TO ORDERING MANHOLES.

STANDARD C.I. FRAME & COVER, SET 1/4"
BELOW FINISHED STREET GRADE.

EXIST. GROUND OR PAV'T. SURFACE

GRADE RINGS—MAX. 8" WITH
CEMENT MORTAR ALL
AROUND AND 2 COATS OF
KOPPERS BITUMASTIC SUPER
SERVICE BLACK COAL TAR.

ECCENTRIC CONE
TOP ASTM C-478

FOR BACKFILL,
SEE TRENCH DETAIL

PLASTIC COATED
MANHOLE STEPS
AT 12" O.C.
KISTNER PS2-PFS

VARIABLE INCREMENT

COVER INSIDE AND OUTSIDE
OF JOINT ALL AROUND WITH
FLEXIBLE JOINT SEALER AND
2 COATS OF KOPPERS BITUMASTIC
SUPER SERVICE BLACK COAL TAR.

PRECAST REINFORCED
CONCRETE MANHOLE
ASTM C-478

JOINT GASKET "O" RING
ASTM C-443 (TYP.)

STANDARD C.I. FRAME & COVER
SHALL BE NEENAH FOUNDARY
1726-A OR APPROVED EQUAL
WITH MACHINED BEARING SURFACE
& PERFORATED COVER WITH THE
WORD "STORM" CAST IN IT.

PRECAST REINFORCED CONC.
RISER BASE ASTM C-478
MIN. 3500 PSI CONCRETE.

UNDISTURBED EARTH

MIN. 6" FOUNDATION
LAYER OF 50-50 BLEND
NYS DOT #1 & #2
COARSE AGGREGATE

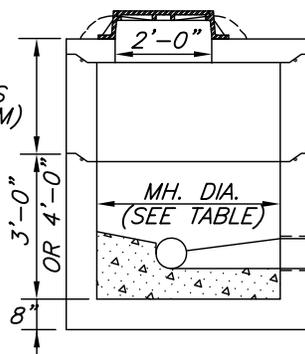
CONCRETE BENCH WORK MORTAR
(3000 PSI MIN)

PREFORMED OPENING WITH
APPROVED PRECAST MANHOLE
PIPE FLEXIBLE CONNECTOR,
ASTM C-923, FILL JOINT
ALL AROUND WITH NON
SHRINK GROUT.

ECCENTRIC CONE TOP

(FOR MANHOLES DEEPER THAN 7 FT.)

VARIES 6"
INCREMENTS
(12" MINIMUM)



PRECAST TOP SLAB ASTM C-478

NOTES:

1. ALL DETAILS SPECIFIED HERE-ON APPLY TO BOTH TYPES OF MANHOLES.
2. WALL & SLAB THICKNESS=
MANHOLE DIA. 4FT. 5FT. 6FT.
TOP SLAB 6" 8" 8"
RISER WALL 5" 6" 7"
BOTTOM SLAB 8" 8" 8"
3. ALL COMPONENTS OF MANHOLES TO ACCOMMODATE A.A.S.H.T.O. H20-44 CONCENTRATED WHEEL LOADING PLUS 30% IMPACT.
4. MORTAR SHALL BE 1 PART PORTLAND CEMENT, 1 1/2 PARTS CLEAN SAND.

TABLE

PIPE SIZE	MANHOLE DIA. (MIN.)
12"	4'-0"
15"-36"	5'-0"
42"-48"	6'-0"

PRECAST COVER SLAB

(FOR MANHOLES LESS THAN 7 FT. DEEP)

* SPECIAL INVERT DETAIL MAY BE REQ'D. FOR
3 & 4 WAY MANHOLE CONFIGURATIONS.

STANDARD STORM MANHOLES

N.T.S.

ISSUE DATE: AUGUST 2012

REVISIONS		TOWN OF BATAVIA
DATE	COMMENTS	HIGHWAY & STORM SEWER DETAILS
		<h1>STANDARD STORM MANHOLE</h1>
		DRAWING HS-14