**MAXIMUM PIPE SIZES**

<table>
<thead>
<tr>
<th>BASE I.D.</th>
<th>MIN. &quot;t&quot;</th>
<th>MAX. PIPE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>60&quot;</td>
<td>5&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>72&quot;</td>
<td>6&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>84&quot;</td>
<td>7&quot;</td>
<td>54&quot;</td>
</tr>
<tr>
<td>90&quot;</td>
<td>7½&quot;</td>
<td>60&quot;</td>
</tr>
<tr>
<td>96&quot;</td>
<td>8&quot;</td>
<td>66&quot;</td>
</tr>
<tr>
<td>108&quot;</td>
<td>9&quot;</td>
<td>72&quot;</td>
</tr>
</tbody>
</table>

**PRECAST CONCRETE STORM MANHOLE (TYPE "C")**

See ALTERNATE CORNER DETAIL (see table).

**MIN. "t"**

CMS 706.13

As per transition

**1:12**

**4:1**

**DETAIL**

**ALTERNATE CORNER**

Frame and cover

Grade rings, bricks or other approved method (if needed)

Risers

Grades rings, bricks or other approved method (if needed)

Step (Typ.)

Opening plus 6" min.

Base I.D.

Min. "t" (see Table)

Max. Pipe Size (see Table)

Max. Pipe Size (see Table)

12" min., 16" max.

As per CMS 706.13

Location of station and offset for manhole

Location of station and offset for manhole

Mortar

Risers, bricks or other approved method (if needed)

Frame and cover

Eccentric transition

As per CMS 706.13

SEE TABLE FOR MAXIMUM PIPE SIZES

60" to 108" PRECAST BASE

48" PRECAST BASE

FOR 30" AND SMALLER PIPE

Date: 3/14/2018

Standard Construction Drawing

Pre cast Concrete

Storm Manhole (Type "C")

Drawing No.

STS-06

Sheet 1 of 3
**MANHOLE GENERAL NOTES:**

1. PRECAST WALLS SHALL HAVE A MIN. THICKNESS OF 5" AND BE SUFFICIENTLY REINFORCED TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.

2. FINISH MANHOLE CHANNEL ACCORDING TO STANDARD DRAWING STS-08.

3. SEE TABLE ON STS-06 SHEET 1 FOR MANHOLE BASE DIAMETER DIMENSIONS.

4. MANHOLES MUST BE SET ON FOUNDATION OF CRUSHED #57 LIMESTONE, 6" MIN. THICKNESS.

5. WITH NORMAL SOIL AND SITE CONDITIONS, THIS STANDARD PRECAST MANHOLE MAY BE USED FOR ANY REQUIRED DEPTH. PRECAST SECTIONS OF THE MANHOLE MAY BE CAST WITH TONGUE END EITHER UP OR DOWN. 1-1/4" LIFT HOLES MAY BE PROVIDED IN EACH SECTION FOR HANDLING. HANDLING DEVICE FOR THE FLAT SLAB SHALL BE LEFT IN PLACE.

6. TOPS - TOPS MAY BE ECCENTRIC CONE OR FLAT SLAB.

7. TRANSITIONS - THIS SECTION MAY BE ECCENTRIC CONE OR FLAT SLAB.

8. OPENINGS - THE MAXIMUM PIPE OPENING SHALL BE THE O.D. OF THE PIPE SUPPLIED PLUS 2".

9. STEPS - STEPS SHALL BE POLYPROPYLENE AND COMPLY WITH CITY OF MARYSVILLE STANDARD DRAWING STS-07.

10. MANHOLE CASTINGS - FRAME AND COVER SHALL BE EITHER NEENAH R-1762, EAST JORDAN IRON WORKS 1661, OR AN APPROVED EQUAL. THE WORDING "MARYSVILLE STORM SEWER" SHALL BE CAST INTO THE CENTER OF ALL PUBLIC STORM SEWER LIDS.

**Date:** 3/14/2018

**Standard Construction Drawing**

**Drawing No.** STS-06

**Sheet 2 of 3**
MANHOLE NO. 3 WITH __" BASE I.D. AND __" WEIR
(NTS)

SECTION A-A
(NTS)

MANHOLE NO. 3 WITH __" BASE I.D. AND __" WEIR NOTES:
FURNISH MANHOLE BASE WITH PRECAST DIVERSION WEIR OR
CONSTRUCT DIVERSION WEIR FROM STRUCTURAL CONCRETE, 4000 PSI
COMPRESSIVE STRENGTH CONCRETE OR BRICK AND MASONRY UNITS
CONFORMING TO ODOT CMS 611. A BOTTOM CHANNEL SECTION FOR
THE MANHOLE IS NOT REQUIRED WHEN A DIVERSION WEIR IS SPECIFIED
ON THE PLANS.

PLACE DIVERSION WEIR PERPENDICULAR TO THE FLOW OF THE
INFLOWING TRUNK SEWER. DOWEL CONCRETE OR MASONRY UNITS
INTO THE BASE OF THE MANHOLE TO A DEPTH OF 3" USING EPOXY
COATED #4 REINFORCING BARS. START DOWELS AT THE CENTER OF THE
DIVERSION WEIR AND SPACE 16" ON CENTER ACROSS THE ENTIRE WEIR.

* Furnish weir height as shown in plans.

DIVERSION WEIR DETAIL
(NTS)