



**SECTION VIEW**  
NO SCALE

DIMENSION A Inside Dia.	Storm Drain Pipe Dia.	MD DEPT. of TRANS. S.H.A. REFERENCE
4'-0"	12" to 24"	Std. No. MD-384.01
5'-0"	27" to 36"	Std. No. MD-384.03
6'-0"	42" to 48"	Std. No. MD-384.05
7'-0"	54" to 60"	Std. No. MD-384.07
8'-0"	72"	Std. No. MD-384.09
10'-0"	78" to 84"	Std. No. MD-384.11

**NOTES**

1. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A MARYLAND PROFESSIONAL ENGINEER FOR ALL PRECAST ITEMS FOR APPROVAL BY THE CITY OF HAGERSTOWN ENGINEER BEFORE FABRICATION.
2. FOR PIPE ENTERING THE MANHOLE OFF CENTER CHOOSE A DIMENSION "A" FROM THE CHART ABOVE THAT WILL ALLOW FOR A LARGER PIPE OPENING. THIS PIPE OPENING SHALL BE CUSTOM PRECAST AT A SKEW AND NOT BE A FIELD MODIFICATION.
3. USE THE HORIZONTAL DIMENSION OF NON-CIRCULAR STORM DRAIN PIPE AS THE PIPE DIAMETER IN THE CHART ABOVE.
4. REFER TO THE APPROPRIATE MD DEPT. OF TRANS. S.H.A. STANDARD IN THE CHART ABOVE FOR STEEL REINFORCING INFORMATION.
5. JOINTS BETWEEN MANHOLE SECTIONS, LEVELING RINGS, AND AT THE FLOOR SLAB SHALL BE SEALED WITH MORTAR OR RUBBER GASKET OR A SEALING COMPOUND SUBMITTED AND APPROVED BY THE CITY ENGINEER.
6. PRECAST STORM DRAIN MANHOLES WITH FLAT TOP SECTIONS MAY BE ALLOWED IF SUBMITTED & APPROVED BY THE CITY ENGINEER WHEN THE USE OF AN ECCENTRIC CONE SECTION IS IMPRACTICAL.
7. ALL MANHOLES SHALL HAVE A MINIMUM OF 12" OF INSIDE WALL FACE BETWEEN PIPE OPENINGS.
8. REFER TO PLATE SD-012 FOR LADDER RUNG INFORMATION, PLATE SD-013 FOR FLOW CHANNEL INFORMATION, PLATE SD-011 FOR BACKFILL & COMPACTION NOTES, AND PLATE SD-010 FOR ADDITIONAL INFORMATION.
9. REFER TO MD DEPT. OF TRANS. S.H.A. STANDARD MD-383.31 AND MD-383.32 TYPE "A" FRAME AND COVER INFORMATION, EXCEPT THE LID SHALL HAVE THE WORDS "STORM DRAIN" AND NOT "S.H.A."



CITY OF HAGERSTOWN, MARYLAND – ENGINEERING AND INSPECTIONS DEPARTMENT

**STORM DRAIN STANDARD DETAIL**  
**CIRCULAR PRECAST CONCRETE**  
**STORM DRAIN MANHOLE**

ISSUE DATE: 01-01-03

REVISIONS

**Plate SD-030**