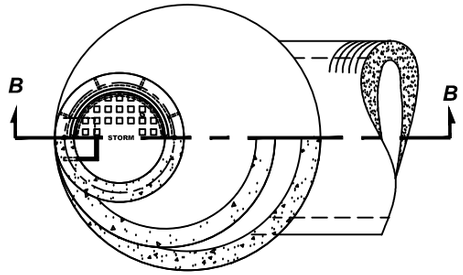
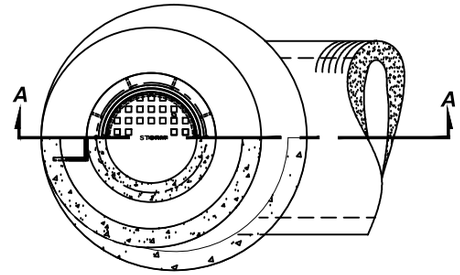


HALF - PLAN VIEW
(FRAME & COVER)
ECCENTRIC TAPER UNIT



HALF - PLAN VIEW
(FRAME & COVER)
CONCENTRIC TAPER UNIT

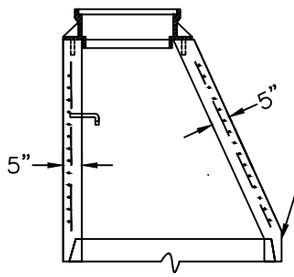
DIMENSIONS			
D	X MINIMUM	SUGGESTED MAX. PIPE SIZE	ABSOLUTE MAXIMUM☆
*36"	4"	18"	21"
48"	5"	24"	27"
60"	5"	36"	

*DEPTH OF 36" DIAMETER BASE UNIT RESTRICTED TO 4'–0" MAXIMUM.

☆ONE THROUGH PIPE ONLY. (ONE PIPE ENTERING AND ONE PIPE EXITING STRUCTURE)

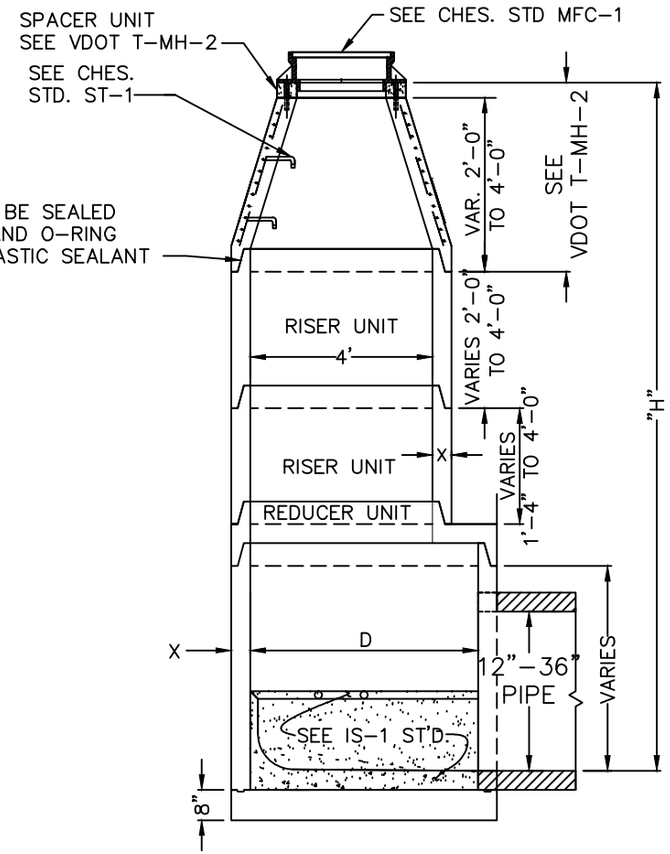
NOTES:

1. SEE GENERAL NOTES–PRECAST IN VDOT ROAD & BRIDGE STANDARD FOR ADDITIONAL INFORMATION ON WEEP HOLES, HEIGHT DIMENSIONS AND STEP INSTALLATIONS.
2. ALL BASE, RISER, AND TAPER UNITS ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M199, EXCEPT THAT MINIMUM WALL THICKNESS IS TO BE 5".
3. CONCRETE TO BE 4000 PSI.
4. OPENINGS FOR PIPE IN BASE AND RISER UNITS ARE TO BE PRECAST. THE CONTRACTOR WILL FURNISH THE FABRICATOR WITH THE ANGLES BETWEEN CENTER LINES, THE INVERT ELEVATION AND THE SIZE OF ALL PIPES TO ENTER THE MANHOLE.
5. THE INVERT OF THE STRUCTURE SHALL BE SHAPED PER CHESAPEAKE STANDARD IS–1.
6. HOLES IN PRECAST UNITS ARE TO BE A MINIMUM OF FOUR INCHES (4") TO A MAXIMUM OF EIGHT INCHES (8") LARGER THAN THE OUTSIDE DIAMETER OF THE PROPOSED PIPE.
7. DRAINAGE STRUCTURE FOUNDATION SLAB TO BE PLACED ON A BED OF AGGREGATE BASE STONE WHERE NECESSARY FOR STABILIZATION, STONE SHALL BE A MINIMUM OF SIX INCHES (6") DEEP.



JOINTS ARE TO BE SEALED WITH MORTAR AND O–RING GASKETS OR MASTIC SEALANT

ECCENTRIC TAPER UNIT
SECTION B - B



PRECAST BASE UNIT DETAIL
SECTION A - A

Chesapeake VIRGINIA

DESIGN AND CONSTRUCTION STANDARDS

PRECAST STORM DRAIN MANHOLE (12"- 36" PIPE)

DATE	REVISIONS
/ /	REVIEWED PFM 2013 EDITION FOR WEB

DRW.BY: RNW Date: / /
CHK.BY: Date: / /
APPV.BY: Date: / /

MH-2

REVIEW APPROVED BY:_____ DATE:___/___/___ DRAFT PRINTED FOR REVIEW ONLY. PRINT DATE: 05 / 28 /2014 1:00PM

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