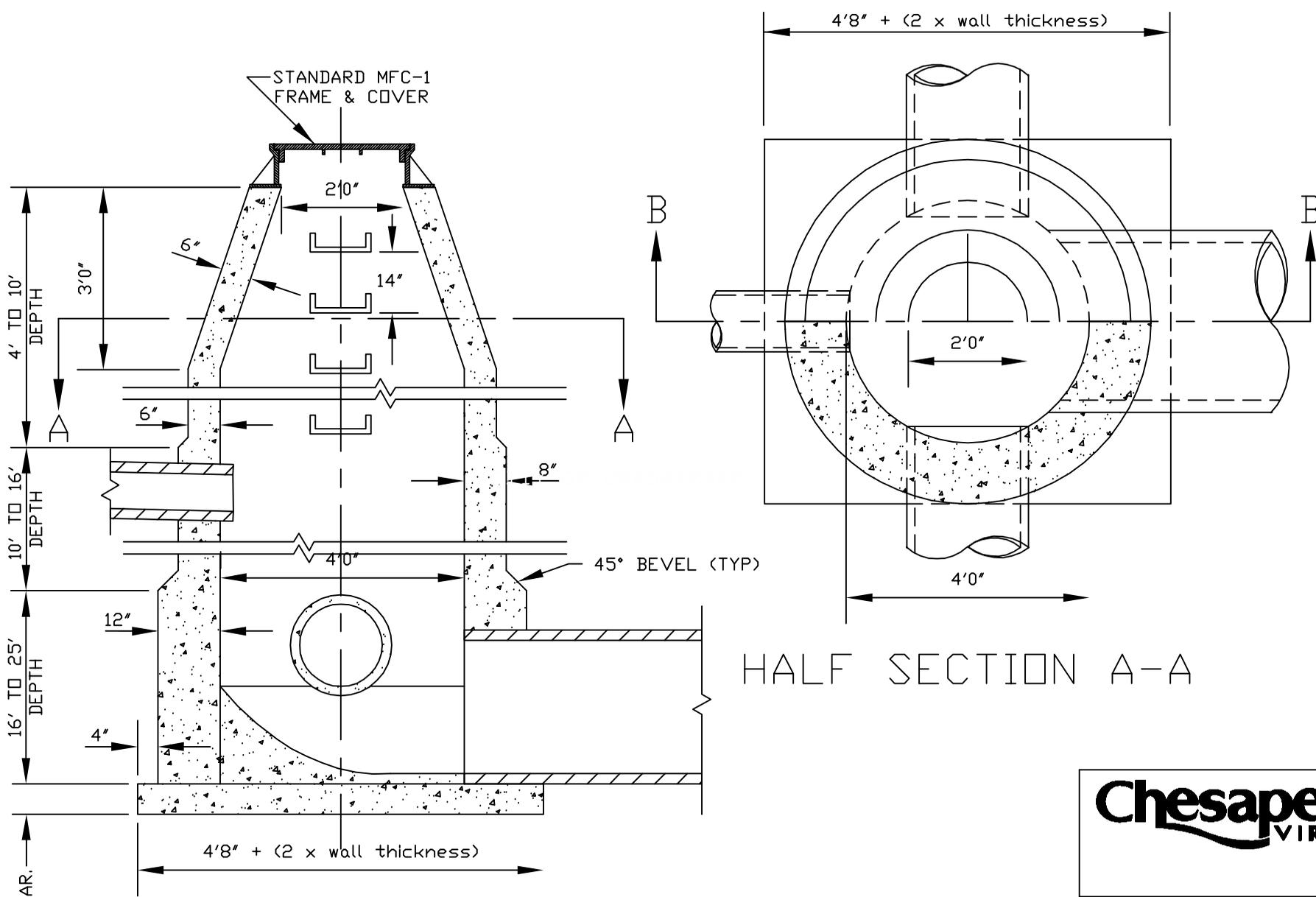


# HALF PLAN VIEW (FRAME AND COVER REMOVED)



**NOTES**

PRECAST MANHOLES MAY BE SUBSTITUTED UPON APPROVAL OF DESIGN BY DEPARTMENT OF PUBLIC WORKS.

CAST IRON COVERS AND FRAMES SHALL BE SUFFICIENTLY TRUE TO A PLANE SURFACE SO THAT COVER WILL NOT ROCK.

DRAINAGE STRUCTURE FOUNDATION SLAB TO BE PLACED ON A BED OF AGGREGATE BASE STONE WHERE NECESSARY FOR STABILIZATION. STONE SHALL BE A MIN OF SIX INCHES (6") DEEP.

ALL CONCRETE TO BE CLASS A-3.

THE TOP OF MASONRY IS TO BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER AND FRAME TO GRADE BY THE USE OF MORTAR AS DIRECTED BY THE ENGINEER.

FLAT SLAB TOP AS DETAILED ON STANDARD MH-2 MAY BE SUBSTITUTED FOR TAPERED SECTION WHEN APPROVED BY THE ENGINEER.

THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH STANDARD PLAN IS-1. FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF MANHOLE.

\* QUANTITIES SHOWN ARE FOR MANHOLE WITHOUT PIPES. THE AMOUNT DISPLACED BY PIPES MUST BE DEDUCTED TO OBTAIN TRUE QUANTITIES. A BASE THICKNESS OF NINE INCHES (9") IS USED IN COMPUTING CONCRETE QUANTITIES.

CHES. STD. ST-1 STEPS SHALL BE PROVIDED IN ALL MANHOLES DEEPER THAN FOUR FEET. 24" MAX. FROM RIM TO FIRST STEP

Δ INCREMENTS TO ADDED FOR EACH ADDITIONAL FOOT OF DEPTH.

TABLE OF QUANTITIES *			
DEPTH	CU. YDS. OF CONC.	DEPTH	CU. YDS. OF CONC.
4'	1.437	12'	3.817
5'	1.699	13'	4.179
6'	1.961	14'	4.541
7'	2.223	15'	4.903
8'	2.485	16'	5.265
9'	2.747	17'	5.627
10'	3.009	18'	6.009
11'	3.455	INC. Δ	0.582

\*\* DEPTH GREATER THAN 16' SHALL BE 10" BASE

<b>Chesapeake</b> VIRGINIA	<b>DESIGN AND CONSTRUCTION STANDARDS</b>		
	<b>STORM DRAIN MANHOLE CONCRETE ( 12" -48" PIPE )</b>		
08/01/03	REV. FOR INTERNET 2003	DR. BY:	DATE:
DATE	REVISIONS	CHK. BY:	DATE:
		APP. BY:	DATE:
			<b>MH-1</b>