



**NOTE**  
 CONSTRUCTION: MANHOLE NO.1 IS FOR STORM SEWERS 36" DIAMETER OR LESS. THE DESIGN SHOWN IS FOR BRICK CONSTRUCTION WITH EVERY 7th COURSE A STRETCHER COURSE. THE 6" BOTTOM SHALL BE CAST IN PLACE CONCRETE. THE BOTTOM CHANNEL SECTIONS SHALL BE BUILT WITH CLASS "C" CONCRETE, OR BRICK AND MORTAR. PRECAST MANHOLES DETAILED ON MH-2 OR MH-5 MAY BE USED IN LIEU OF THE DESIGN SHOWN HEREON UNLESS OTHERWISE REQUIRED BY THE PLANS.

**MH-1C 72" DIAMETER  
 30"-36" DIAMETER PIPE**

**MH-1B 60" DIAMETER  
 21"-27" DIAMETER PIPE**

**MH-1A 48" DIAMETER  
 12"-18" DIAMETER PIPE**

DO NOT SCALE - USE DIMENSIONS ONLY

- Ⓐ NO. 57 SLAG OR LIMESTONE, 3" THICK.
- Ⓑ CLASS "C" CONCRETE, 6" THICK.
- Ⓒ NOMINAL 8" WALL. WHEN OVERALL MANHOLE DEPTH EXCEEDS 15', INCREASE WALL THICKNESS TO 12" BELOW THE 12' DEPTH.
- Ⓓ CLASS "C" CONCRETE, OR BRICK AND MORTAR. THE USE OF "DRY MIX" IS PROHIBITED.
- Ⓔ WHEN PIPE DIAMETER IS MORE THAN 24", CONSTRUCT TOE HOLES IN CHANNEL TO FORM STEPS.
- Ⓕ CONSTRUCT BRICK ARCH OVER ALL PIPE.
- Ⓖ CONSTRUCT VITRIFIED BRICK OR CLASS "C" CONCRETE CHANNEL & BENCH. SLOPE BENCH 1"/FOOT.
- Ⓖ APPLY 1/2" MORTAR COAT OVER ENTIRE BRICKWORK.

CITY OF AKRON BUREAU OF ENGINEERING	CONSTRUCTION STANDARD DWG. No. <b>MH-1</b>
<i>Kenneth F. Kistner</i> 4/20/10 MANAGER, DESIGN DIVISION	STORM SEWER BRICK MANHOLE 48", 60", 72" DIAMETER
<i>James P. Wilson</i> 4/20/10 MANAGER, CONSTRUCTION DIVISION	<small>AUTOCAD DRAWING - STD_MH-1.DWG      September 23, 1997</small>
<i>R. J. Cella</i> 4/20/10 CITY ENGINEER	<small>REVISIONS:    DECEMBER 18, 2009          APRIL 6, 2010</small>