

TYPE "A" FRAME AND COVER TO BE MARKED EITHER "SEWER" OR "DRAIN"

CONCRETE COLLAR  
SEE DETAIL A-8

FINISHED GRADE

GRADE RING

PRECAST CONCRETE SECTIONS  
TO CONFORM TO ASTM-478,  
CONCRETE OF 4,000 PSI AT 28 DAYS

MASTIC GASKET, TYPICAL ALL MANHOLE JOINTS  
FILL LIFTING HOLES WITH CONCRETE

TYPICAL REINFORCEMENT, WELDED  
WIRE FABRIC 6x6x4Wx4W

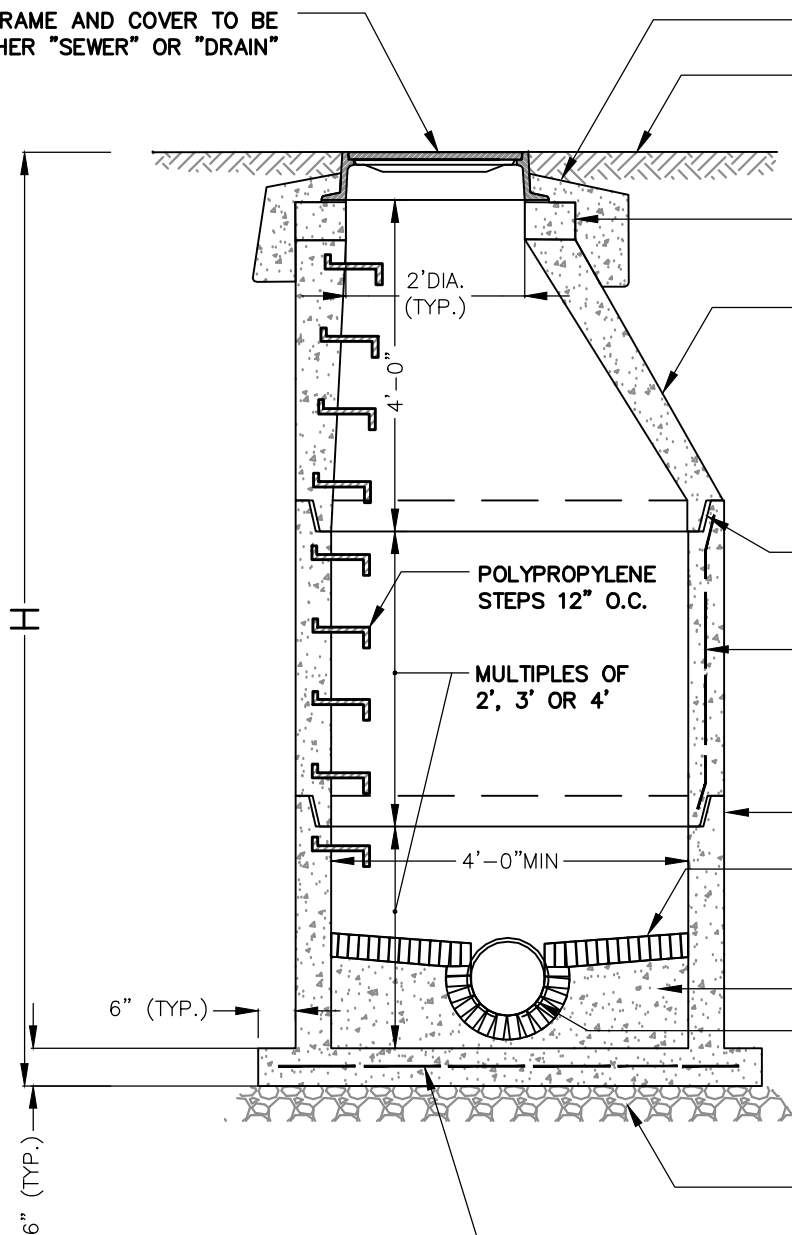
PRECAST REINFORCED CONCRETE  
MANHOLE BARRELS

SHELVE TO BE BRICKS LAID FLAT  
AT A SLOPE OF 1" PER FOOT

CONCRETE TROWEL FINISHED  
& SLOPED TO TROUGH

INVERT TO BE INVERTED ARCH WITH BRICKS  
LAID AS STRECHERS AND ON EDGE

6" SCREENED GRAVEL BEDDING



H= 10' OR LESS -#4 AT 18 EW MIDDEPTH  
H= 10' TO 20' -#4 AT 12 EW MIDDEPTH  
H= 20' TO 30' -#5 AT 12 EW MIDDEPTH  
IN ADDITION TO WELDED WIRE FABRIC

#### NOTES:

1. 5'-0" DIAMETER FOR ALL MANHOLE DEPTHS GREATER THAN 20 FEET OR WHEN ORDERED BY THE ENGINEER
2. 6" MIN. WALL THICKNESS AND 7 INCH MIN. BASE THICKNESS WITH 5'-0" DIAMETER MANHOLES
3. 6 INCH LIP OPTIONAL UNLESS OTHERWISE NOTED
4. CONCRETE INVERT AND SHELVE MAY BE SUBSTITUTED IN STORM DRAIN MANHOLES AS DIRECTED BY THE ENGINEER



**CITY OF MEDFORD,  
MASSACHUSETTS**

City Hall - Room 300, 85 George P. Hassett Drive,  
Medford, MA 02155  
(781) 393-2476

## TYPICAL PRE-CAST MANHOLE DETAIL

DATE: JULY 2023

SCALE: NTS

C-1