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. IN SOME INSTALLATIONS, THE INFLOW PIPE WILL BE LOWER THAN THE OUTFLOW PIPE, AND THE SUMP DEPTH WILL BE GREATER THAN 4'-6" TO MAINTAIN A MINIMUM DISTANCE OF 2'-6" FROM THE INVERT OF THE INFLOW PIPE TO THE BOTTOM OF THE SUMP

TYPE "A" FRAME AND COVER TO BE MARKED "DRAIN".

CONCRETE COLLAR SEE DETAIL B-03
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
MORTAR FILL AROUND PIPE (TYP.)
STAINLESS STEEL PIPE CLAMP (TYP.)
FLEXIBLE RUBBER CONNECTOR (TYP.)

INFLOW PIPE
CATCH BASIN HOOD
OUTFLOW PIPE

TYPICAL REINFORCEMENT, WELDED WIRE FABRIC 6x6x4Wx4W
PRECAST REINFORCED CONCRETE MANHOLE BARRELS

6" SCREENED GRAVEL BEDDING

VAREES (4)
6" MIN (2)
6" TYP. (2)
6" TYP. (3)
4'-0" MIN. SUMP
4'-6" MIN. SUMP

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

BOSTON WATER AND SEWER COMMISSION
998 HARBORAVE, BOSTON, MA 02119
www.bwsc.org

DRAIN SUMP MANHOLE
Scale: Not To Scale

DATE: May 16, 2018
DETAIL NO. B-07