METER PIT FOR UP TO 2-INCH METER

Scale: Not To Scale

DATE: Sept. 30, 2012

DETAIL NO. M-02a

INSTALLATION OF REMOTE READING DEVICES BY COMMISSION

CONTRACTOR SHALL NOTIFY BWSC METER DEPT. TO DETERMINE IF METER CONDUIT MUST BE INSTALLED. IF REQUIRED THE CONTRACTOR SHALL SUPPLY THE WIRE AND INSTALL AS SPECIFIED.
METER PIT FOR 3, 4 AND 6-INCH COMPOUND METERS

Scale: Not To Scale

DATE: July 15, 2015

DETAIL NO. M-02b

1. BY-PASS METER CAN BE 1 SIZE SMALLER THAN MAIN METER.
2. ALL GATES TO BE TEFLOM COATED.
3. CONTRACTOR SHALL NOTIFY BWSC METER DEPT. TO DETERMINE IF METER CONDUIT MUST BE INSTALLED. IF REQUIRED THE CONTRACTOR SHALL SUPPLY THE WIRE AND INSTALL AS SPECIFIED.

Boston Water and Sewer Commission
980 Harrison Ave., Boston, MA 02119
(617) 969-7000
www.bwsc.org

Location/Filename: V:\eng\ACAD_STD\Technical Details\M - Meter Details\M-02 - Meter Pit Details.dwg
Plotted on: Tuesday, August 11, 2015 - 12:41 PM by Donohoe, William
METER PIT FOR 3, 4, 6, 8 AND 10-INCH TURBINE METERS

Installation of Remote Reading Devices by Commission

Notes:
1. By-pass meter can be 1 size smaller than main meter.
2. All gates to be Teflon coated.
3. Contractor shall notify BWSC meter dept. to determine if meter conduit must be installed. If required the contractor shall supply the wire and install as specified.
METER PIT FOR 4, 6, 8 AND 10-INCH FIRE FLOW METERS

Scale: Not To Scale

DATE: July 15, 2015

DETAIL NO. M-02d

NOTES:
1. BY-PASS METER CAN BE 1 SIZE SMALLER THAN MAIN METER.
2. ALL GATES TO BE TEFLOM COATED.
3. CONTRACTOR SHALL NOTIFY BWSC METER DEPT. TO DETERMINE IF METER CONDUIT MUST BE INSTALLED, IF REQUIRED THE CONTRACTOR SHALL SUPPLY THE WIRE AND INSTALL AS SPECIFIED.

BOSTON WATER AND SEWER COMMISSION
STANDARD TYPE A-2 METER PIT

INSTALL GRADE RINGS AS NECESSARY

FINISHED GRADE

G FRAME AND COVER

FLANGED TO PLAIN END ADAPTER (LENGTH TO FIT CONDITION)

2" METER TEST BALL VALVE

4" OF METER PIT

6" x 18" MECH. JT. TO MECH. JT. WALL PIPE THROUGH 12" OPENING

LIFTING HOLE (TYP. OF 4)

24" (MIN.)

FLOW

4 PIPE DIAMETERS BEFORE METER MIN.

FLOW

2 PIPE DIAMETERS AFTER METER MIN.

INSTALLATION OF REMOTE READING DEVICES BY COMMISSION

Location/Filename: V:\eng\ACAD_STD\Technical Details\M - Meter Details\M-02 - Meter Pit Details.dwg
Plotted on: Tuesday, August 11, 2015 - 12:41 PM by Donohoe, William

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REINFORCING DETAILS FOR METER PITS

(1 of 2)

Scale: Not To Scale

DATE: Sept. 30, 2012

DETAIL NO. M-02e
PLAN OF WALL REINFORCING

SECTION C-C

NOTE:
RELOCATE THESE BARS AS REQUIRED TO AVOID OPENING

PLAN OF FOOTING REINFORCING

SECTION D-D

REINFORCING DETAILS FOR METER PITS
(2 of 2)

Scale: Not To Scale

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DATE: Sept. 30, 2012
DETAIL NO. M-02f
GENERAL NOTES:

1. DETAILS SHOWN TO ACCOMMODATE TWO DIFFERENT SIZE METERS ARE DRAWN FOR THE LARGER SIZE. IF USED FOR SMALLER SIZE METER, THE PROPER SIZE SLEEVES AND OTHER NECESSARY ADAPTATION WILL HAVE TO BE MADE TO SUIT THE METER PIT DIMENSIONS.

2. MAKE FLANGE TO PLAIN END ADAPTER PIECES SLIGHTLY SHORTER THAN REQUIRED TO ALLOW FOR SOME SLIDING OF ADAPTER PIECES INTO MECHANICAL JOINT WALL PIPE WHEN FLANGES AT METER ARE DISCONNECTED FOR REMOVAL OR INSTALLATION OF METER.

3. AFTER INSTALLING MECHANICAL JOINT WALL PIPES WITH CENTER RING FLANGE IN THE MIDDLE OF MASONRY OPENING, AND AFTER ALL PIPING HAS BEEN ALIGNED AND CONNECTED, CAULK THE SPACE BETWEEN WALL PIPE AND MASONRY WITH OAKUM AND A CEMENT MORTAR GROUT.

4. ALL CONCRETE USED IN CONSTRUCTION OF THESE METER PITS TO BE OF 3000 P.S.I. WITH A MAXIMUM AGGREGATE SIZE OF ¾”

5. REINFORCING STEEL BARS ARE TO BE DEFORMED BARS OF NEW BILLET STEEL—GRADE 6

6. METER PIT COVERS SHALL BE A2424 HALLIDAY PRODUCT OR EQUAL. PEDESTRIAN TRAFFIC COVERS SHALL BE SD300 RATED WITH LIFTING SPRINGS. VEHICULAR TRAFFIC COVERS SHALL BE H20 RATED WITH LIFTING SPRINGS.