

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 SHELF MAY BE SUBSTITUTED IN STORM DRAIN MANHOLES AS DIRECTED BY THE ENGINEER



TYPICAL PRECAST CONCRETE **MANHOLE**

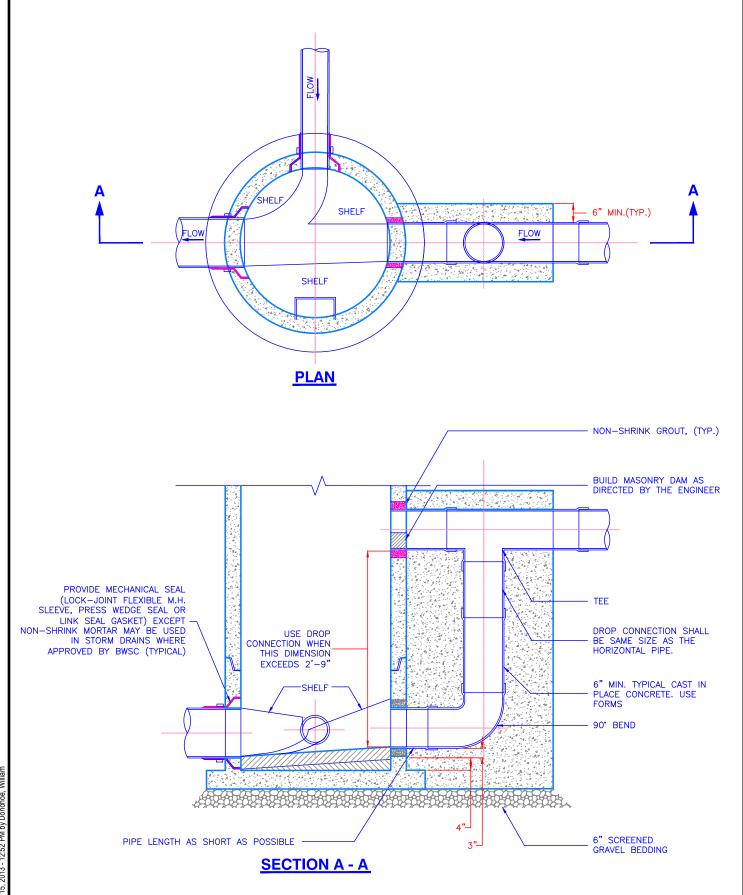
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DATE:

DETAIL NO.

April 29, 2021

B-02a



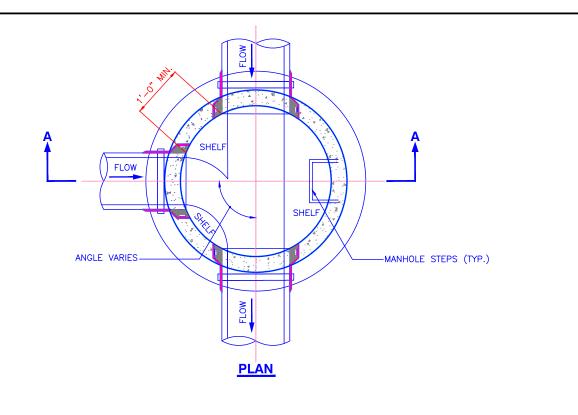


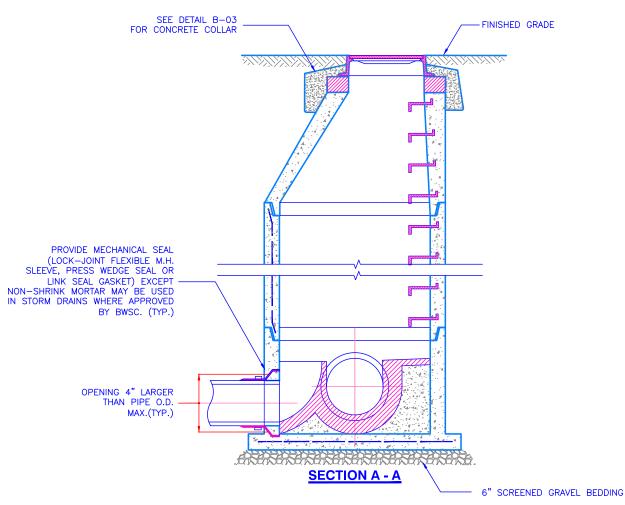
DROP MANHOLE

DATE:

DETAIL NO.

June 30, 2012







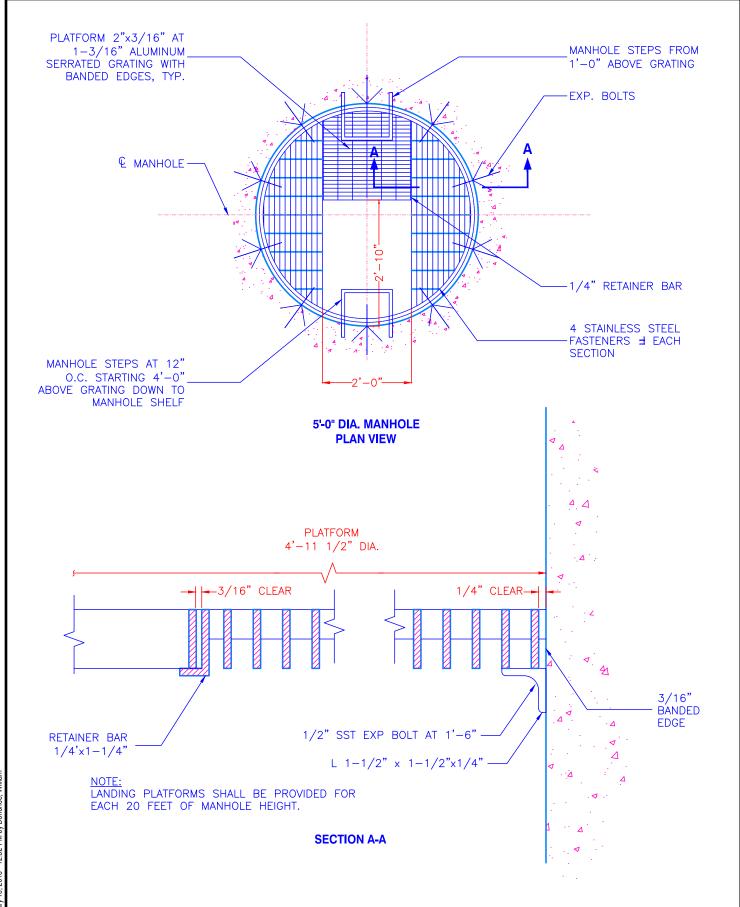
DATE:

DETAIL NO.

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June 30, 2012

B-02c





Scale: Not To Scale

DETAIL NO.

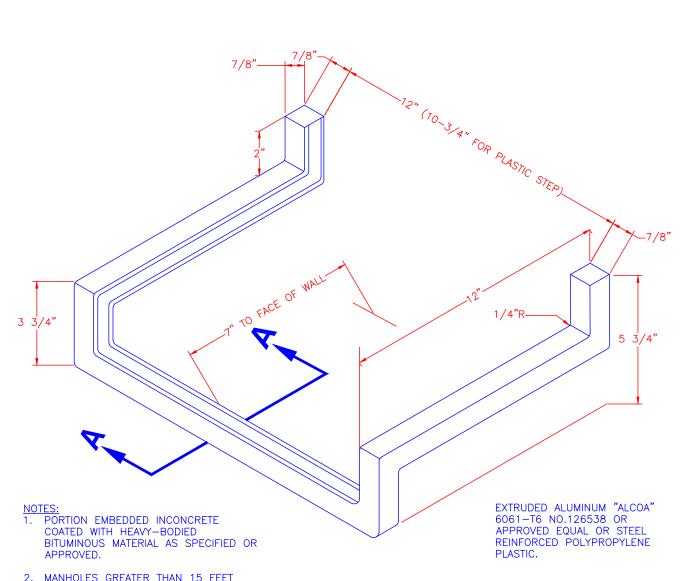
June 30, 2012

DATE:

NOTES:

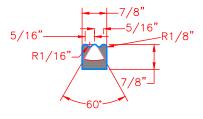
- 1. ALL CAST IN PLACE CONCRETE TO HAVE A MINIMUM 28 DAY STRENGTH OF 3000 LBS PER SQ. INCH, USING 3/4"MAXIMUM SIZE AGGREGATE
- 2. REINFORCING STEEL BARS ARE DEFORMED BARS OF BILLET STEEL ASTM A615 GRADE 60
- 3. WELDED WIRE FABRIC CONFORMS TO ASTM A185
- 4. CAST IRON FRAME, TYPE "A" AND COVER TYPE "A" FOR DETAILS SEE DETAILS NOS. F1-D01, F1-D04 AND F1-D05 COVERS TO BE MARKED EITHER "SEWER" OR "DRAIN".
- 5. DESIGN LIVE LOAD HS 20 44
- 6. MINIMUM COVER FOR REINFORCING IN WALLS OR SLABS POURED AGAINST EARTH SHALL BE 3 INCHES. ALL OTHERS SHALL BE 2 INCHES UNLESS OTHERWISE NOTED
- 7. USE 2'-0" LENGTHS OF PIPE STUBS AT ALL MANHOLES FOR VC OR AC PIPE. USE 4'-0" MAX. LENGTHS OF PIPE STUBS AT ALL MANHOLES FOR RC. DI OR PVC.
- 8. THESE MANHOLE DETAILS TO BE USED FOR BOTH SANITARY SEWER AND STORM DRAIN MANHOLES
- 9. ALL MANHOLES SHALL BE CONSTRUCTED OF REINFORCED CONCRETE SHOP DRAWINGS SUBMITTALS SHALL SHOW ALL REINFORCING DETAILS
- 10. MWRA OIL AND GREASE SEPARATOR IS USED WITHIN BUILDINGS WHERE REQUIRED BY MWRA (MASSACHUSETTS WATER RESOURCES AUTHORITY) OR DEP (DEPARTMENT OF ENVIRONMENTAL PROTECTION) REGULATION. FOR DETAILS SEE DETAIL NO. B-04. FOR BWSC APPROVED GRIT AND OIL SEPARATORS, SEE DETAIL NOS. B-17 AND B-18.





2. MANHOLES GREATER THAN 15 FEET DEEP SHALL BE CONSTRUCTED WITHOUT STEPS

ALUMINUM MANHOLE STEP



SECTION A-A



Scale: Not To Scale

DATE:

DETAIL NO.

June 30, 2012

B-02f