

WM-236.02



NOT TO SCALE



SCALE: 1:25

1. PRECAST CHAMBER AND SECTIONS TO BE MANUFACTURED TO ASTM C-478 CSA. MEET H-20 S16 LOADING REQUIREMENTS AND IN ACCORDANCE WITH THE APPROVED WATERMAIN PRODUCT LIST.
2. FILL ALL JOINTS AND LIFTING HOLES (INSIDE & OUT) 15 mm THICK WITH 1:3 NON-SHRINK GROUT.
3. ALL ADJUSTMENTS TO CHAMBER ACCESS AND KEY COVERS SHALL BE MADE WITH POURED CONCRETE.
4. UNLESS OTHERWISE INDICATED, OUTSIDE FORMWORK TO BE USED ON ALL CAST IN PLACE CONCRETE STRUCTURES.
5. ALL FLANGES TO BE IN ACCORDANCE WITH ANSI / AWMA
6. ALL METAL COMPONENTS INSIDE VALVE CHAMBER, INCLUDING STAINLESS STEEL NUT SHALL HAVE A PROTECTIVE CORROSION TAPE COATING SYSTEM (PRIMER, MASTIC AND PROTECTIVE CORROSION TAPE COATING (PRIMER, MASTIC AND TAPE) IS NOT REQUIRED

7. SEE CONTRACT DRAWINGS FOR LOCATION OF AIR RELIEF VALVE
8. ALL CHAMBERS WILL HAVE 150 DIA BLOW-OFF AND 600 ACCESS ON BOTH SIDES OF THE VALVE.
9. WATERPROOF MEMBRANE SHALL BE APPLIED TO ROOF AND ALL CHAMBER WALLS PRIOR TO BACKFILLING
10. APPROVED RESTRAINED COUPLING SHALL BE IN ACCORDANCE WITH THE APPROVED WATERMAIN PRODUCT LIST.
11. DOG-HOUSE OPENING TO BE CUT OUT MIN. 50 mm LARGER THAN O.D. OF PROPOSED WATER MAIN PIPE TO BE WRAPPED WITH MIN. 50 mm THICK OF DENSO PLAST MASTIC. REMAINING CAVITY TO BE GROUTED (SEE DOG HOUSE DETAIL).
12. ALL FLANGE BOLTS TO BE STAINLESS STEEL.

- MINIMUM STRENGTH OF CONCRETE TO BE 40 MPa IN 28 DAYS, TYPE 50 CEMENT
- ALL REINFORCING TO BE HIGH BOND STRUCTURAL GRADE
- MINIMUM LAP FOR REINFORCING TO BE 24 BAR DIAMETERS

CONCRETE COVER OVER REINFORCING

- FOR CONCRETE POURED AGAINST SOLID GROUND -75 mm
- FOR CONCRETE IN FORMS AGAINST EARTH -50 mm
- OR AS SHOWN ON THE DRAWINGS

 - DENOTES GROUT

3400mm X 4700mm PRECAST VALVE CHAMBER FOR 1050mm AND 1200mm DIA.
CONCRETE PRESSURE PIPE WITH BUTTERFLY VALVE, 100mm DIA. AIR RELEASE VALVE AND
150mm DIA. BLOW OFF VALVES

DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED 1:25	DATE JUNE 2019	REV No 1	FORMERLY	HAMILTON STD No. WM-236.02
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