



- NOTES:
1. PRECAST CHAMBERS AND SECTIONS SHALL BE MANUFACTURED TO ASTM C-478, CSA MEET H-20 S16 LOADING REQUIREMENTS AND IN ACCORDANCE WITH THE APPROVED WATERMAIN PRODUCTS LIST.
 2. FILL ALL JOINTS AND LIFTING HOLES (INSIDE & OUT) 15mm THICK WITH 1:3 NON-SHRINK MORTAR MIX.
 3. ALL ADJUSTMENTS TO CHAMBER AND KEY COVERS SHALL BE MADE WITH POURED CONCRETE.
 4. ALL CONCRETE TO BE 30 MPa, TYPE 50 CEMENT.
 5. ALL REINFORCING TO BE HIGH BOND STRUCTURAL GRADE.
 6. WHEN AIR VALVE SPECIFIED, THE CHAMBER WALLS, ROOF, COVER (SEE DETAIL) AND CHIMNEY SHALL BE INSULATED WITH 50mm APPROVED INSULATION TO A MINIMUM DEPTH OF 1200mm BELOW TOP OF CHAMBER.
 7. FASTEN INSULATION TO CEILING WITH 50mm DIA. WASHERS (GALVANIZED) & 6mm DIA. TAPCON CONCRETE ANCHORS @ 450mm CENTRES.
 8. DOGHOUSE OPENING TO BE CUT OUT MIN. 50mm LARGER THAN O.D. OF PROPOSED WATERMAIN. PIPE TO BE WRAPPED WITH MIN. 50mm THICK OF DENSO PLAST MASTIC, REMAINING CAVITY TO BE GROUTED. (SEE DOGHOUSE DETAIL).
 9. ALL FLANGES TO BE IN ACCORDANCE WITH ANSI / AWWA.
 10. ALL METAL COMPONENTS INSIDE VALVE CHAMBER INCLUDING STAINLESS STEEL NUTS AND BOLTS SHALL HAVE A PROTECTIVE CORROSION TAPE COATING SYSTEM (PRIMER, MASTIC AND TAPE).
 11. PROTECTIVE CORROSION TAPE COATING (PRIMER, MASTIC AND TAPE) IS NOT REQUIRED ON VALVE BODIES.
 12. SEE CONTRACT DRAWINGS FOR LOCATION / ORIENTATION OF 60mm AIR VALVE OR 100mm BLOW-OFF IN CHAMBER.
 13. CHAMBER PIPING SHALL BE CONCRETE OR DUCTILE IRON CLASS 54.
 14. WATERPROOF MEMBRANE SHALL BE APPLIED TO ALL CHAMBER WALLS PRIOR TO BACKFILLING.
 15. APPROVED RESTRAINED COUPLING SHALL BE IN ACCORDANCE WITH THE APPROVED WATERMAIN PRODUCTS LIST.

PRECAST CONCRETE POURED IN PLACE CONCRETE GROUT

City of Hamilton Public Works Department				
1800mm x 3000mm PRECAST VALVE CHAMBER FOR 400mm DIA. CONCRETE OR DUCTILE IRON PIPE WITH 100mm DIA. TO 300mm DIA. BRANCH				
DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED	DATE JUNE 2019	REV No 2	FORMERLY RWS-344	HAMILTON STD No. WM-233