

FRAME AND COVER AS SPECIFIED

15 mm PARGING OVER FRAME

ADJUSTMENT MIN. 150 mm - MAX. 300 mm

PRECAST CAP

SEE NOTE 11

PRESSURE SEAL GASKET

PRECAST RISER AS REQUIRED

PRECAST CHAMBER SECTION

CONCRETE VALVE SUPPORT

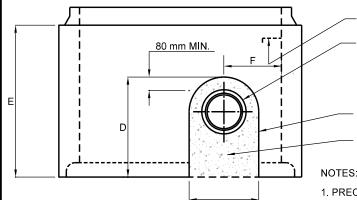
REINFORCING LOCATION FOR CAST IN PLACE BOTTOM SLAB

CAST IN PLACE BOTTOM SLAB REINFORCING # 15M @ 300 mm (BOTH WAYS) UNLESS OTHERWISE SPECIFIED OR PRECAST BOTTOM SECTION

MIN OF 80 mm OF COMPACTED GRANULAR A

300 x 300 x 150 mm SUMP

CROSS SECTION



WALL OPENING DETAIL

300 mm - 400 mm

WATERMAIN

1500

150

550

750

1050

550

300

300

ONE STEP ONLY IN "THE LOWER" SECTION

FLEXIBLE SEALANT MATERIAL

CUT THROUGH WALL PARALLEL TO PIPE

MORTAR MIX

- 1. PRECAST SECTIONS TO BE MANUFACTURED TO ASTM C-478 SPECIFICATIONS.
- 2. BASE AND VALVE SUPPORT CONCRETE STRENGTH 20 MPa.
- 3. ALL MORTAR MIX TO BE 1:3.
- 4. ALL JOINTS AND LIFT HOLES IN CHAMBER SECTIONS TO BE FILLED WITH MORTAR AND POINTED BEFORE BACKFILLING
- 5. ALUMINUM STEPS AS PER OPSD 405.020 AT 300 mm C.C. (FIRST STEP 75 mm BELOW FRAME).
- 6. POLYETHYLENE BOND BREAKER TO BE USED BETWEEN CONCRETE AND FITTINGS.
- 7. ALL BRICKWORK (EXTERIOR) TO BE PARGED -15 mm MIN.
- 8. CONCRETE VALVE SUPPORT ON 400 mm VALVES TO BE MODIFIED TO CLEAR SPINDLE RETAINING NUTS OR SCOUR PLUGS.
- 9. ON 400 mm VALVES ACCESSIBILITY INTO CHAMBERS HAS PRIORITY OVER ADJUSTMENT PARAMETERS.
- 10. VALVE TIE DOWNS TO BE USED WITH P.V.C. PIPE ONLY.
- 11. OPENING IN THE CHAMBER COVER IS ALIGNED WITH THE VALVE OPERATING NUT.

All dimensions are in millimetres unless otherwise shown.

100 mm - 250 mm

WATERMAIN

1200

400

600

900

400

200

200



DIMENSION

В

С

D

Е

G

ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

SEP 2020

CIRCULAR PRECAST GATE VALVE CHAMBER 400 mm DIAMETER WATERMAINS AND SMALLER T-1101.010

NTS

REV₃

SHEET 1