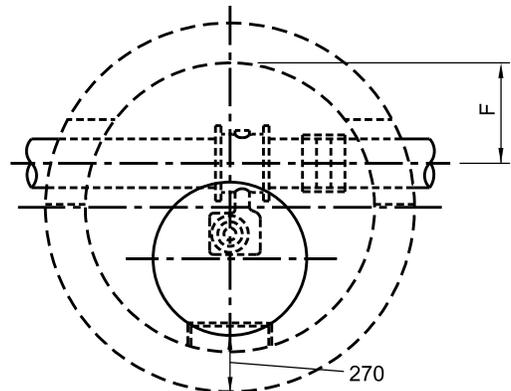


DIMENSION	100-250 mm WATER MAIN	300-400 mm WATER MAIN
A	1200	1500
B	127	150
C	400	550
D	600	750
E	900	1050
F	400	550
G	200	300
H	200	300



PLAN

FRAME & COVER AS SPECIFIED

15 mm PARGING OVER FRAME

685 DIA.

MAX. 300mm OF BRICK OR PRECAST ADJUSTMENT UNITS

PRECAST CAP

PRECAST RISER SECTION AS REQUIRED

PRESSURE SEAL GASKETS

PRECAST CHAMBER SECTION

FLEXIBLE SEALANT MATERIAL

MORTAR JOINT

NOTE 8

SLEEVE COUPLING WHERE REQUIRED

80

230 MIN.

VALVE

MIN. 80 mm OF COMPACTED GRANULAR A

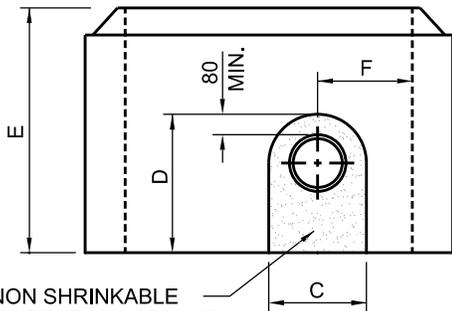
300 mm x 300 mm x 150 mm DEEP SUMP

UNDISTURBED GROUND

CONCRETE VALVE SUPPORT

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

CROSS - SECTION



NON SHRINKABLE MORTAR MIX APPLIED WITH BONDING AGENT

WALL OPENING DETAIL

NOTES:

1. PRECAST SECTIONS TO BE MANUFACTURED TO ASTM C-478 SPECIFICATIONS.
2. BASE AND VALVE SUPPORT CONCRETE STRENGTH - 32 MPa.
3. ALL MORTAR TO BE 1:3 CEMENT & SAND MIX.
4. ALL JOINTS AND LIFT HOLES IN CHAMBER SECTIONS TO BE FILLED WITH MORTAR AND POINTED BEFORE BACKFILLING.
5. ALUMINUM STEPS AS PER DWG. No. OPSD 405.020 AT 300 mm C.C.
6. FIRST STEP TO BE 75 mm TO 300 mm BELOW FRAME. LAST STEP TO BE 300 mm ABOVE BENCHING OR 600 mm ABOVE INVERT IF NO BENCHING.
7. POLYETHYLENE BOND BREAKER TO BE USED BETWEEN CONCRETE AND FITTINGS.
8. ALL BRICKWORK (EXTERIOR) TO BE PARGED - 15 mm MIN.
9. PROVIDE FROST LUGS IF JOINT IS LESS THAN 1200 mm BELOW GRADE.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

**CIRCULAR PRECAST BUTTERFLY VALVE CHAMBER
400 mm DIAMETER WATERMANS AND SMALLER**

REV 3 SEP 2020

T-1101.030-1

NTS SHEET 1