



SEE NOTE 8

SUMP --

PLACE BOND BREAKER

PLACING CONCRETE BLOCK

100 mm STAINLESS-STEEL VENT (TYP.) AS PER S-220.050 SEE NOTE 5

-SQUARE FRAME WITH WATERTIGHT COVER (OPSD 401.030)

200 x 200 x 6 mm GALV. STEEL PLATE WITH 50 mm DIA HOLE IN CENTER SECURE TO TOP WITH 4-6mm LAG BOLTS (TYP FOR ALL VALVE VALVE ASSEMBLY (TYP) SEE NOTE 5 15M DOWELS AT 800 CTS TOP AND BOTTOM (TYP) DRILL AND GROUT 150 mm INTO PRECAST

EXTENSION STEMS)

FROST COVER PVC VENT PIPE PROP VENT PIPE HANGER SEE NOTE 5 LIFTING HANDLES 13mm STEEL RODS STEEL EXTENSION STEM WITH PINNED CONNECTION (TYP FOR ALL VALVES)

INSTALL 25mm CLIP -

ANGLES TO SUPPORT

THRUST BLOCKS AT ENDS OF

PRECAST CHAMBER

CONCRETE WITH HILTI HIT HY200 ADHESIVE OR APPROVED EQUAL (10 REQD EACH SIDE)

RUN LIMESTONE

INSTALL ADDITIONAL

BLOCKING UNDER GATE VALVES AND BENDS AS REQUIRED

TO SUMP

SLOPE FLOOR AT 2%

CAST IN PLACE 20 mPd CONCRETE BLOCK TO

UNDER SIDE OF 600Ø

NOTES:

- 1. MINIMUM CHAMBER SIZE TO BE 3600 X 3000 mm.
- 2. INTERIOR DEPTH VARIES AS PER CONTRACT DESIGN DRAWINGS.
- 3. PRECAST REINFORCED CONCRETE CHAMBER TO BE DESIGNED TO 9. ENGINEER TO DESIGN RESTRAINED JOINT LENGTHS APPROACHING AND LEAVING THE CHAMBER.
- 5. AIR VALVE ASSEMBLY AND VENT PIPE ARE REQUIRED WHEN THE FEEDERMAIN IS AT A HIGH POINT WITH VALVE CLOSED.
- BUTTERFLY VALVE TO BE INSTALLED SO THAT SEAT ADJUSTMEN SCREWS ARE FACING THE REMOVABLE SPOOL PIECE.
- ADJUSTMENT TO GRADE SHALL BE CONSTRUCTED OF PRECAST CONCRETE AND 1-3 MODULOC ADJUSTMENT UNITS UNDER FRAME AND COVER.

SECTION A-A

SOLID CONCRETE BLOCKING UNDER BUTTERFLY VALVE

SUMP

__400 x 400 x 150 mm

<u>PLAN</u>

REMOVABLE CONCRETE PANEL

-800 x 1800 mm OPENING

12

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FOR VALVE INSERTION

SQUARE FRAME WITH WATERTIGHT COVER

SEE NOTE 8-

INSTALL 50 mm THICK -2 PIECE FROST COVER

IN CHAMBER OPENING

TRACER WIRE TO BE LOOPED-AROUND TOP STEP WITH

750 mm MIN FREE END

50 mm HIGH DENSITY

PROTECTION BOARD

EXTENSION, BRACKET

AND VALVE BOX AS PER S-220.040

BELOW GRADE) WATERPROOFING (TOP AND SIDES) AND

INSULATION TO (1800 mm

SOLID ALUMINUM STEPS AS PER OPSD 405.020



100 mm - 19 mm CRUSHER RUN LIMESTONE

LEVELLING PAD UNDER CHAMBER

-SLOPE FLOOR AT 2% TO SUMP

600 mm BUTTERFLY VALVE AND PRECAST CONCRETE CHAMBER

SECTION B-B

ALL DIMENSIONS IN MILLIMETRES EXCEPT WHERE NOTED.

S-220.031