



ELEVATION OF SHORT WALL THRUST BLOCK

ELEVATION OF LONG WALL THRUST BLOCK

NOTES:

- 1 Threaded inserts for the attachment of thrust block shall be 15M equivalent and Dayton Superior DBR system or equal with strength of 125% of yield strength of coupled rebar.
- A Reinforcing steel shall be according to CSA G30.18, Grade 400W. Inside diameter of bends shall equal six bar diameters. Additional reinforcing shall be rebar Grade 400W.
- B Thrust blocks shall be poured-in-place concrete as specified.
- C Thrust block concrete to be Class C-2.
- D Clear cover to reinforcing steel:
 - 100mm ±25mm to bottom of thrust block
 - 70mm ±20mm to remainder of thrust block.
- E This OPSD shall be read in conjunction with OPSD 1101.016, 1101.017, and 1101.019.
- F All dimensions are in millimetres unless otherwise shown.

Thrust Block Wall	Nominal Watermain Size	Thrust Block Thickness	Thrust Block Reinforcement
Long Wall	≤Ø750	450	8-25M each face*
Short Wall	≤Ø750	400	6-25M each face*

* Other reinforcement as shown

ONTARIO PROVINCIAL STANDARD DRAWING PRECAST CONCRETE VALVE CHAMBER WITH POURED-IN-PLACE THRUST BLOCKS 2400 x 3000mm THRUST BLOCKS	Nov 2018 Rev 4	
OPSD 1101.018		