



**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  $\pm$ 25mm to bottom of thrust block
  - 70mm  $\pm$ 20mm to remainder of thrust block.
- E This OPSD shall be read in conjunction with OPSD 1101.012, 1101.013, and 1101.015.
- F All dimensions are in millimetres unless otherwise shown.

Thrust Block Wall	Nominal Watermain Size	Thrust Block Thickness	Thrust Block Reinforcement
Long Wall	$\leq \phi 600$	400	8-20M each face*
Short Wall	$\leq \phi 600$	350	6-20M each face*

\* Other reinforcement as shown

ONTARIO PROVINCIAL STANDARD DRAWING <b>PRECAST CONCRETE VALVE CHAMBER          WITH POURED-IN-PLACE THRUST BLOCKS</b> 1800 x 2400mm <b>THRUST BLOCKS</b>	Nov 2018   Rev   3	
<b>OPSD 1101.014</b>		