


**FROST TREATMENT
RIGID AND FLEXIBLE PIPE**

NOTES:

- 1 Pipe embedment or bedding, cover, and backfill shall be according to:
 - a) Flexible OPSD 802.010, 802.013, 802.014, 802.020, 802.023, and 802.024.
 - b) Rigid – OPSD 802.030, 802.031, 802.032, 802.033, 802.034, 802.050, 802.051, 802.052, 802.053, and 802.054.
 - 2 Condition of frost treatment symmetrical about centreline of pipe.
 - 3 Frost tapers shall start at the intersection of the 1H:1V or 3H:1V slope and the frost penetration line.
- A Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.

LEGEND:

- d – depth of roadbed granular
- k – depth of frost treatment below profile grade
- f – depth of frost penetration below profile grade
- * – Type 3 soil
- ** – Type 4 soil

ONTARIO PROVINCIAL STANDARD DRAWING FROST TREATMENT – PIPE CULVERTS FROST PENETRATION LINE BETWEEN TOP OF PIPE AND BEDDING GRADE	Nov 2015	Rev 4	 OPSD 803.031
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