

PIPE DIA mm	AREA m ²	TRENCH WIDTH	MAXIMUM HEIGHT OF FILL					
			210 kPa Stiffness PSM DR 41		320 kPa Stiffness PSM DR 35		625 kPa Stiffness PSM DR 28	
			Trench	Embankment	Trench	Embankment	Trench	Embankment
100	0.008	0.40	10.4	6.2	10.8	6.5	11.9	7.0
135	0.014	0.54	10.4	6.2	10.8	6.5	11.9	7.0
150	0.020	0.95	10.4	6.2	10.8	6.5	11.9	7.0
200	0.030	1.00	10.4	6.2	10.8	6.5	N/A	N/A
250	0.050	1.05	10.4	6.2	10.8	6.5	N/A	N/A
300	0.070	1.10	10.4	6.2	10.8	6.5	N/A	N/A
375	0.110	1.20	10.4	6.2 *	10.8	6.5 *	N/A	N/A
450	0.160	1.25	10.4	6.2 **	10.8	6.5 **	N/A	N/A
525	0.220	1.30	10.4 *	6.2 **	10.8 *	6.5 **	N/A	N/A
600	0.280	1.40	10.4 *	6.2 **	10.8 *	6.5 **	N/A	N/A
675	0.360	1.50	10.4 *	6.2 **	10.8 *	6.5 **	N/A	N/A
750	0.440	1.60	10.4 *	6.2 **	10.8 *	6.5 **	N/A	N/A
900	0.640	1.70	10.4 **	6.2 **	10.8 **	6.5 **	N/A	N/A


NOTES:

- 1 For installations in Type 4 soil, height of fill shall be calculated from first principles.
- 2 For installations in Type 3 soil, height of fill shall be calculated from first principles.
- A Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.
- B Minimum height of fill over top of pipe shall be 300mm or one pipe diameter, whichever is greater.
- C The table based on backfill density of 2243 kg/m³.
- D This OPSD shall be read in conjunction with OPSD 802.010 and 802.013.

- E Height of fill greater than 12.0m shall be calculated from first principles.
- F All dimensions are in metres unless otherwise shown.

LEGEND:

- * Note 1
- ** Note 1 and 2
- N/A Not Available

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2018 Rev 4
HEIGHT OF FILL TABLE POLYVINYL CHLORIDE GRAVITY SEWER PIPE 210, 320, and 625kPa	
OPSD 806.040	