

PIPE DIA mm	AREA m ²	TRENCH WIDTH	HEIGHT OF FILL											
			RSC 100			RSC 160			RSC 250			RSC 400		
			Min Height of Fill	Max Height of Fill	Min Height of Fill	Max Height of Fill	Min Height of Fill	Max Height of Fill	Min Height of Fill	Max Height of Fill	Min Height of Fill	Max Height of Fill	Min Height of Fill	Max Height of Fill
460	0.17	0.97	N/A	N/A	0.4	14.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500	0.20	1.03	N/A	N/A	0.5	14.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
530	0.22	1.08	N/A	N/A	0.5	14.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
610	0.29	1.18	N/A	N/A	0.5	14.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
690	0.37	1.29	N/A	N/A	0.5	14.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
760	0.45	1.39	N/A	N/A	0.6	14.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
840	0.55	1.51	N/A	N/A	0.6	14.0	0.5	14.0	0.5	14.0	0.5	14.0	N/A	N/A
910	0.65	1.61	1.0	13.0	0.8	14.0	0.6	14.0	0.6	14.0	0.6	14.0	N/A	N/A
1020	0.82	1.75	1.0	13.0	0.8	14.0	0.6	14.0	0.6	14.0	0.6	14.0	N/A	N/A
1070	0.90	1.82	1.0	12.3	0.9	14.0	0.7	14.0	0.7	14.0	0.7	14.0	N/A	N/A
1220	1.17	2.03	1.2	11.3	0.9	14.0	0.7	14.0	0.7	14.0	0.7	14.0	N/A	N/A
1370	1.47	2.24	1.3	10.0	0.9	14.0	0.8	14.0	0.8	14.0	0.8	14.0	N/A	N/A
1520	1.81	2.46	1.4	9.5	1.0	13.7	0.8	14.0	0.8	14.0	0.8	14.0	N/A	N/A
1680	2.22	2.67	1.6	9.1	1.0	12.8	0.9	14.0	0.9	14.0	0.9	14.0	N/A	N/A
1830	2.63	2.89	1.7	8.5	1.1	12.2	0.9	14.0	0.9	14.0	0.9	14.0	N/A	N/A
1980	3.08	3.08	1.7	7.9	1.2	11.6	0.9	14.0	0.9	14.0	0.9	14.0	N/A	N/A
2130	3.56	3.30	1.7	7.6	1.2	11.0	0.9	14.0	0.9	14.0	0.9	14.0	N/A	N/A
2290	4.12	3.49	1.8	7.3	1.2	10.4	0.9	14.0	0.9	14.0	0.9	14.0	0.8	15.1
2440	4.68	3.71	1.8	6.7	1.2	10.1	1.0	13.7	1.0	13.7	0.9	15.1	0.9	15.1
2590	5.27	3.92	1.9	6.3	1.3	9.4	1.0	13.7	1.0	13.7	0.9	15.1	0.9	15.1
2740	5.90	4.11	1.9	5.8	1.3	9.1	1.0	13.7	1.0	13.7	0.9	15.1	0.9	15.1
3050	7.31	4.52	2.0	5.8	1.3	8.5	1.1	11.9	1.1	11.9	1.0	15.1	1.0	15.1
3350	8.81	4.95	N/A	N/A	1.3	8.5	1.2	9.8	1.2	9.8	N/A	N/A	N/A	N/A

LEGEND:

N/A – Not Available

NOTES:

- A** The table applies to closed profile wall polyethylene pipe manufactured according to ASTM F894.
- B** The table presumes groundwater is at or below the springline of the pipe.
- C** The table is based on backfill density of 1922 kg/m³.
- D** Installation shall be calculated to OPSD 802.010 requirements.
- E** Height of fill shall be calculated from first principles for pipe sizes greater than shown or for other design conditions.
- F** Trench width is based on the higher pipe stiffness and is according to ASTM D2321.
- G** All dimensions are in metres unless otherwise shown.

MINISTRY OF TRANSPORTATION ONTARIO DRAWING		July 2013	Rev 0
HEIGHT OF FILL TABLE			
CLOSED PROFILE WALL POLYETHYLENE PIPE			
RSC 100, 160, 250, and 400			
MTOD – 806.021			