

PIPE DIA mm	PIPE AREA m <sup>2</sup>	TRENCH WIDTH	MAXIMUM HEIGHT OF FILL			
			RSC 160		RSC 250	
			≤TRENCH WIDTH	>TRENCH WIDTH	≤TRENCH WIDTH	>TRENCH WIDTH
840	0.55	1.50	10.4	10.4	13.0	13.0
900	0.64	1.59	8.7	8.7	11.0	11.0
1020	0.82	1.74	7.9	7.9	9.7	9.7
1070	0.90	1.81	7.9	7.9	9.1	9.1
1220	1.17	2.01	7.9	7.9	9.1	9.1
1370	1.47	2.22	7.9	7.9	9.1	9.1
1520	1.81	2.44	7.9	7.9	8.8	8.8
1680	2.22	2.65	7.3	7.3	8.8	8.8
1830	2.63	2.86	7.3	7.3	8.8	8.8
1980	3.08	3.05	7.3	7.3	8.2	8.2
2130	3.56	3.26	7.0	7.0	8.2	8.2
2290	4.12	3.50	6.5	6.5	7.7	7.7
2440	4.68	3.71	6.3	6.3	7.7	7.7

**NOTES:**

- A THE TABLE APPLIES TO CLOSED PROFILE WALL POLYETHYLENE PIPE MANUFACTURED AND TESTED ACCORDING TO CSA B182.8 AND ASSHTO M294-11.
- B THE TABLE PRESUMES GROUNDWATER IS BELOW THE PIPE.
- C INSTALLATION IS ACCORDING TO REQUIREMENTS OF SECTION 421 OF SPECIFICATIONS.
- D HEIGHT OF FILL AND PIPE SIZES GREATER THAN SHOWN OR OTHER DESIGN CONDITIONS SHALL BE CALCULATED FROM FIRST PRINCIPLES.
- E MINIMUM HEIGHT OF FILL OVER THE PIPE SHALL BE 800mm OR ONE PIPE DIAMETER, WHICHEVER IS GREATER.
- F TRENCH WIDTH IS BASED ON THE HIGHER PIPE STIFFNESS AND IS ACCORDING TO ASTM D2321.
- G ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.



TRANSPORTATION AND WORKS  
HIGHWAY DESIGN DIVISION

**HEIGHT OF FILL TABLE**  
CLOSED PROFILE WALL POLYETHYLENE PIPE  
RSC 160 AND RSC 250

DRAWN BY:

DATE:

REV 02-01-10

NOT TO SCALE