Pipe Type	Corrugation Profile	Diameter	Min. Height of Fill	Area m^2	Metal Thickness									
					Corrugated Steel Pipe					Structural Plate				
					1.6	2.0	2.8	3.5	4.2	3.0	4.0	5.0	6.0	7.0
					Maximum Height of Fill Over Pipe m									
Round Corrugated Steel Pipe (Note 1)	68 x 13mm	300	300	0.07	61.3	79.7								
		400	300	0.13	45.9	59.7								
		450	300	0.16	40.8	53.1								
		500	300	0.20	36.8	47.8	69.3							
		600	300	0.28	30.6	39.8	57.8							
		700	300	0.38	26.2	34.1	49.5							
		750	300	0.44	24.5	31.9	46.5							
		800	300	0.50	23.0	29.9	43.3							
		900	300	0.64	20.4	26.5	38.5	48.9						
		1000	300	0.79	18.4	23.9	34.7	44.0	53.6					
		1200	300	1.13		19.9	28.9	36.7	44.7					
		1400	300	1.54			23.8	30.3	37.0					
		1500	300	1.77			21.3	27.2	33.2					
		1600	300	2.01			19.1	24.4	29.8					
		1800	300	2.54				19.5	23.9					
		2000	350	3.14					18.9					
	125 x 25mm	1200	300	1.13		20.4	29.6	37.6	45.8					
		1400	300	1.54		17.5	25.4	32.2	39.2					
		1500	300	1.77		16.3	23.7	30.1	36.6					
		1600	300	2.01		15.3	22.2	28.2	34.3					
		1800	300	2.54		13.6	19.7	25.0	30.5					
		2000	350	3.14		12.2	17.7	22.5	27.5					
		2200	400	3.80		11.1	16.1	20.5	25.0					
		2400	400	4.52		10.0	14.8	18.8	22.9					
		2700	450	5.73			13.1	16.7	20.3					
		3000	500	7.07			11.3	14.4	17.5					
Round Structural Plate Corrugated Steel Pipe	152 x 51mm	1500	300	1.77						26.2	39.1	49.8	60.5	70.6
		1660	300	2.16						23.7	35.3	45.0	54.6	63.8
		1810	350	2.58						21.7	32.4	41.3	50.1	58.5
		1970	350	3.04						19.9	29.8	37.9	46.0	53.8
		2120	400	3.54						18.5	27.7	35.3	42.8	50.0
		2280	400	4.07						17.2	25.7	32.8	39.8	46.4
		2430	450	4.65						16.1	24.1	30.8	37.3	43.6
		2590	450	5.26						15.1	22.6	28.8	35.0	40.9
		2740	500	5.91						14.3	21.4	27.3	33.1	38.6

NOTES:

1 Refer to manufacturer for non–standard sizes. For non–standard sizes, use the next larger standard diameter for estimating maximum height of fill over pipe.

A Fill height values are based on the American Iron and Steel Institute design method.

B This OPSD shall be read in conjunction with OPSD 802.010, 802.013, and 802.014.

C All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2014 | Rev 2

HEIGHT OF FILL TABLE

ROUND CORRUGATED STEEL PIPE AND STRUCTURAL PLATE CORRUGATED STEEL PIPE

OPSD 805.010