

3.2.2 Storm Pal 5200**Table #5** - Retention Capacity

Treatment Tank	Height (m)	Diameter (m)	Retention Volume (cum)
Primary (h1)	2.231	1.2	2.522
Secondary (h2)	2.381	1.2	2.691
Total			5.213

Table #6 - Sediment Capacity

Treatment Tank	Height (m)	Diameter (m)	Sediment Volume (cum)
Primary (s1)	0.85	1.2	0.96084
Secondary (s2)	0.85	1.2	0.96084
Total			1.92

Table #7 - Oil Capacity

Treatment Tank	Height (m)	Diameter (m)	Oil / grease Volume (cum)
Primary (o1)	1.3	1.2	1.470
Secondary (o2)	0.3	1.2	0.339
Total			1.81

Table #8 - Summary

Capacity	Oil / grease (litres)	Sediment (litres)	Retention (litres)
Total	1809	1922	5213

Note : The Storm Pal 5200 was installed in the City of Chatam, ON, Nov. 2009

Design Criteria: Flow rate = 0.1 cum/s, TSS removal = 70%, Catchment Area = 2.1 ha