

3.2.1 Storm Pal 3200**Table #1** - Retention Capacity

Treatment Tank	Height (m)	Diameter (m)	Retention Volume (cum)
Primary (h1)	1.7	1.2	1.922
Secondary (h2)	1.2	1.2	1.356
Total			3.278

Table #2 - Sediment Capacity

Treatment Tank	Height (m)	Diameter (m)	Sediment Volume (cum)
Primary (s1)	0.85	1.2	0.96084
Secondary (s2)	0.3	1.2	0.33912
Total			1.30

Table #3 - Oil Capacity

Treatment Tank	Height (m)	Diameter (m)	Oil / grease Volume (cum)
Primary (o1)	0.85	1.2	0.961
Secondary (o2)	0.07	1.2	0.079
Total			1.04

Table #4 - Summary

Capacity	Oil / grease (litres)	Sediment (litres)	Retention (litres)
Total	1040	1300	3278

Note: The Storm Pal 3200 was installed in The City of Thunder Bay, Oct 2005

Design Criteria: TSS removal = 70%, Catchment Area = 6400 sqm