## Town of Innisfil SWM Capital Estimates of Pond Retrofit Program

Pond ID

	Activity	Qnty	Estimate	Activity	Qnty	Estimate		Activity	Qnty	Estimate	Activity	Qnty	Es	stimat	e
7-5	5			7-4 Alternative #1 Class C	: Improve		9-2 Sout	hview Alt #1 – Hybrid Wetland		10-1 B	rand Lane SWMF Wetland				
a)	Maintenance sediment cleanout	100 m	3 \$ 31,500.00	Cleanout the a) sediment	100 m3	\$ 31,500.00	a)	Identify space requirement to restrict access to active wetla component		\$ 2,500.00 a)	Install sediment collector (at or near inlet) to remove sediment and grit as a pre-treatment.	1	\$	. :	30,000.0
b)	Increase shading with plantings	1	\$ 8,500.00	Improve extended b) detention volume		\$ 25,000.00	b)	Define and construct a meandering low flow channe	1	\$ 25,000.00 b)	Install a media based wetland treatment system with a top elevation to match the existing bottom grade of the inlet and being approximately 1.5m deep Media is to provide additional treatment with a vegetative cover and feature underdrains capable of providing aeration. 900m2 total pond surface area, 2/3 wetland.		n2 \$	1	57,500.0
c)	Increase aeration		\$ 10,000.00				c)	Provide vegetative and/or ot fencing	her	\$ 7,500.00 c)	Remove the existing forebay and replace with a deep pool. The deep pool is to be +2m dee and will require vertical walls at the current bottom toe of the existing slope. 1/3 pond for deep pool.		n2 \$	. 1	12,500.0
<u>d)</u>	Restore conveyance functions of the outlet channel.		\$ 15,000.00	Provide a deep pool c) area at the outlet		\$ 12,500.00	d)	Increase storage volumes of 'wet' portion of the wetland (near outlet)	the	\$ 12,500.00 d)	Redesign the stormwater runoff from the fire station to pass through a linear pre-treatment media based filter trench at the Eastern edge of the property. The trench is estimated to have the dimensions of 3 m wide minimum by 50 m long and posses a pipe under drain outleting to the pond.	f	n2 \$		18,750.0
···/	Install grit removal facility, vortex separator or			Install a sediment trap/collector withir	1			Provide designated pathways			Provide fencing to restrict all access to the public and provide warning signs that this facility is a stormwater treatment area. It is important to note that ice is unlikely to form to a suitable thickness and/or be very uneven at this location and a special warning for winter may be	n			
e)	equivalent		\$ 30,000.00	d) the ROW		\$ 30,000.00	e)	and pedestrian/ATV crossing Install sediment collector (at		n \$ 17,500.00 e)	needed. Provide warning and suitable	1	\$		5,000.0
							f)	near inlet)	UI	\$ 30,000.00 f)	safety devices.	1	\$		1,500.0
							g)	Provide terrestrial planting (shrubs, trees) Provide informational		\$ 7,500.00					
							h)	/educational boards		\$ 2,000.00					

	\$ 95,000	\$ 99,000	\$ 104,500	\$ 325,250
Engineering	\$ 14,250.00 Engineering	\$ 14,850.00 Engineering	\$ 15,675.00 Engineering	\$ 48,787.50
Contingency	\$ 14,250.00 Contingency	\$ 14,850.00 Contingency	\$ 15,675.00 Contingency	\$ 48,787.50
				\$ 422,825
	\$ 123,500	\$ 128,700	\$ 135,850	