

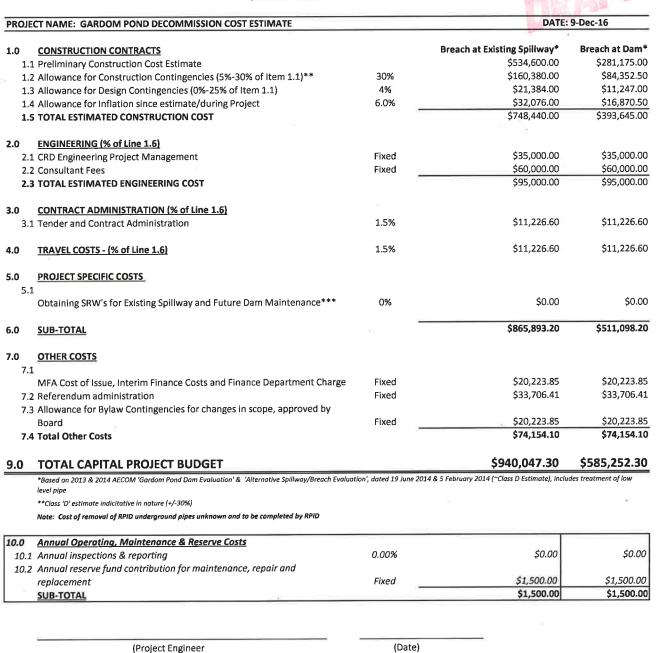
ENVIRONMENTAL ENGINEERING DIVISION CAPITAL PROJECT ESTIMATNG FORM

PROJE	CT NAME: GARDOM POND REHABILITATION COST ESTIMATE		DATE: 9-Dec-16
1.0	CONSTRUCTION CONTRACTS		
	Preliminary Construction Cost Estimate*		\$732,350.00
	Allowance for Construction Contingencies (5%-30% of Item 1.1)**	30%	\$219,705.00
	Allowance for Design Contingencies (0%-25% of Item 1.1)	4%	\$29,294.00
	Allowance for Inflation since estimate/during Project	6.0%	\$43,941.00
	TOTAL ESTIMATED CONSTRUCTION COST	0.070	\$1,025,290.00
2.0	ENGINEERING (% of Line 1.6)		
2.1	CRD Engineering Project Management	6.0%	\$61,517.40
	Consultant Fees	11.0%	\$112,781.90
2.3	TOTAL ESTIMATED ENGINEERING COST		\$174,299.30
3.0	CONTRACT ADMINISTRATION (% of Line 1.6)		
3.1	Tender and Contract Administration	1.5%	\$15,379.35
4.0	TRAVEL COSTS - (% of Line 1.6)	1.5%	\$15,379.35
5.0	PROJECT SPECIFIC COSTS		
5.1	Obtaining SRW's for Existing Spillway and Future Dam Maintenance***	12%	\$117,908.35
6.0	SUB-TOTAL		\$1,348,256.35
7.0	OTHER COSTS****		
7.1	MFA Cost of Issue, Interim Finance Costs and Finance Department Charge	9)	
	(1.5% of Item 6)	1.5%	\$20,223.85
7.2	Referendum administration (2.5% of Item 6)	2.5%	\$33,706.41
7.3	Allowance for Bylaw Contingencies for changes in scope, approved by		
	Board (1.5% of Item 6)	1.5%	\$20,223.85
7.4	Total Other Costs		\$74,154.10
9.0	TOTAL CAPITAL PROJECT BUDGET	,	\$1,422,410.45
	*Based on 2015 AECOM 'Decommissioning of Low-Level Outlet', dated 3 March 2015 (~Class D Estimate),	includes treatmen	t of low level pipe
	**Class 'D' estimate indicitative in nature (+/-30%)		
	***SROW's required for spillway alignment & dam maintenance, Lot8&9, High Risk - Confirm prior to refe	rendum	
	Note: Cost of removal of RPID underground pipes unknown and to be completed by RPID		
	****Cost savings possible if alternative approval process (ie. APP) used		
10.0	Annual Operating, Maintenance & Reserve Costs		
10.1	Annual inspections & reporting	0.70%	\$5,126.45
10.2			
	Annual reserve fund contribution for maintenance, repair and replacement	1.30%	\$9,520.55
	<u>SUB-TOTAL</u>		\$14,647.00
	(Project Engineer)	(Dat	te)

Approved (Senior Manager, Environmental Engineering)



ENVIRONMENTAL ENGINEERING DIVISION CAPITAL PROJECT ESTIMATNG FORM



Approved (Senior Manager, Environmental Engineering)