#### **APPENDIX D**

Public Information Centre Display Boards

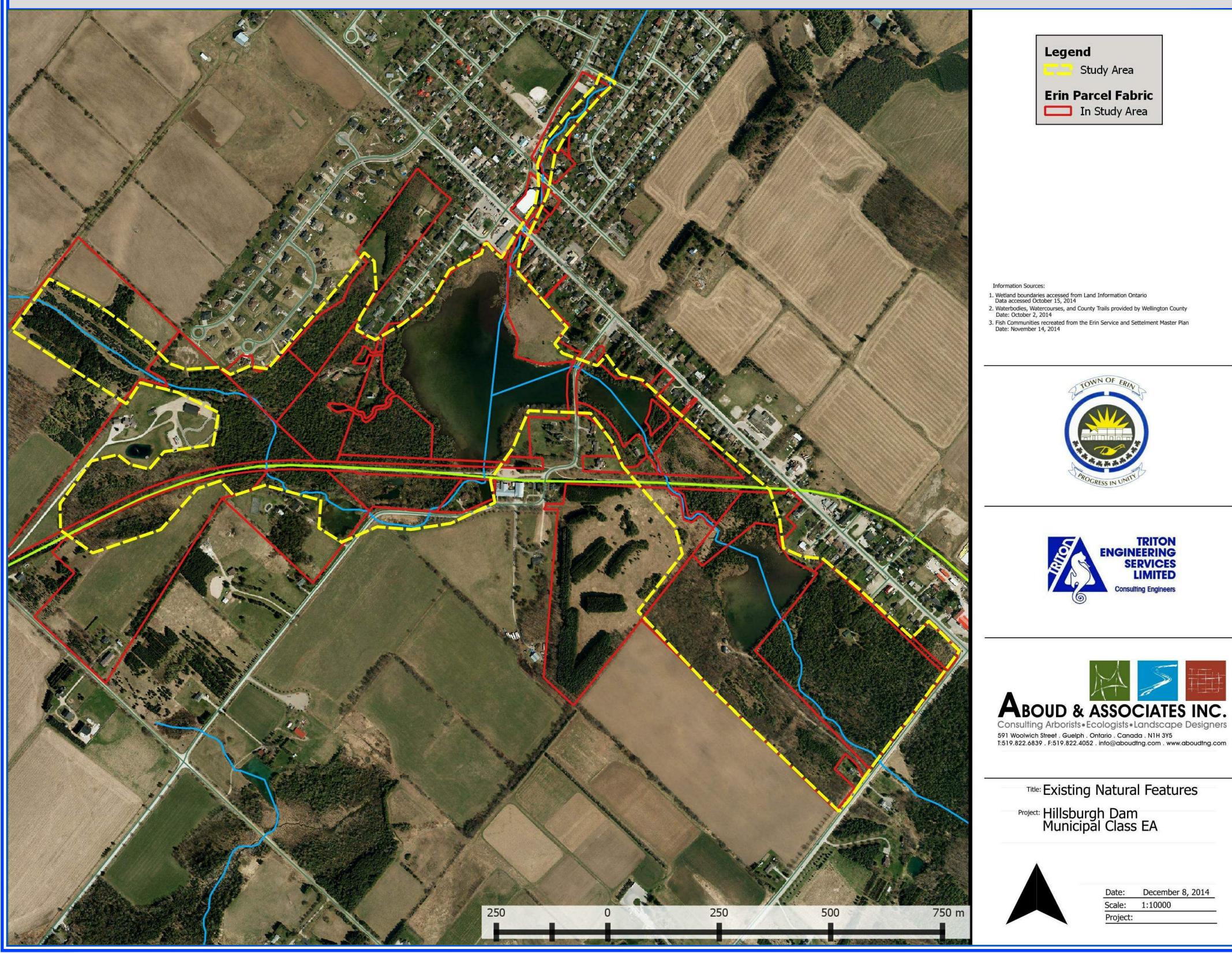
# THE HILLSBURGH DAM, ITS POND AND ASSOCIATED BRIDGE (STRUCTURE 2064) ARE HISTORICAL LANDMARKS IN THE COMMUNITY OF HILLSBURGH. IN 2011, THE POND'S OUTLET PIPE, WITHIN THE EARTHEN DAM STRUCTURE, FAILED. STRUCTURAL AND HYDROTECHNICAL REVIEWS CONCLUDED THAT THE DAM STRUCTURE DOES NOT MEET MINIMUM SAFETY CRITERIA AND THEREFORE, IT IS AT AN UNACCEPTABLY HIGH LIKELIHOOD OF FAILURE. IN THE EVENT OF A DAM FAILURE, THERE IS A POTENTIAL FOR LOSS OF LIFE AND APPRECIABLE DOWNSTREAM PROPERTY DAMAGE. IN

**2012, EMERGENCY REPAIRS WERE COMPLETED TO MITIGATE THE OUTLET PIPE FAILURE. THE REGULATORY APPROVAL, UNDER THE LAKES AND RIVERS IMPROVEMENT ACT, FOR THE EMERGENCY REPAIRS REQUIRES THE TOWN OF ERIN TO DEVELOP AND IMPLEMENT A PERMANENT SOLUTION FOR THE DAM. IN ADDITION, THE BRIDGE IS NEARING THE END OF ITS DESIGN LIFE AND IS IN NEED OF UPGRADES TO REDUCE** THE RISK TO TRAFFIC USING THE STRUCTURE. DUE TO THEIR CLOSE PROXIMITY AND INTERDEPENDENCE, THE DAM AND BRIDGE STRUCTURE WILL BOTH BE **EVALUATED UNDER THIS CLASS EA. THIS PROJECT IS BEING UNDERTAKEN TO ENSURE THE LONG TERM SAFETY OF THE DAM AND BRIDGE WITH DUE CONSIDERATION FOR THE NATURAL ENVIRONMENT AND** THE INTERESTS OF VARIOUS STAKEHOLDERS WITHIN

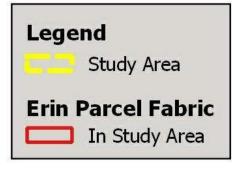
#### THE COMMUNITY.



## **STUDY AREA**

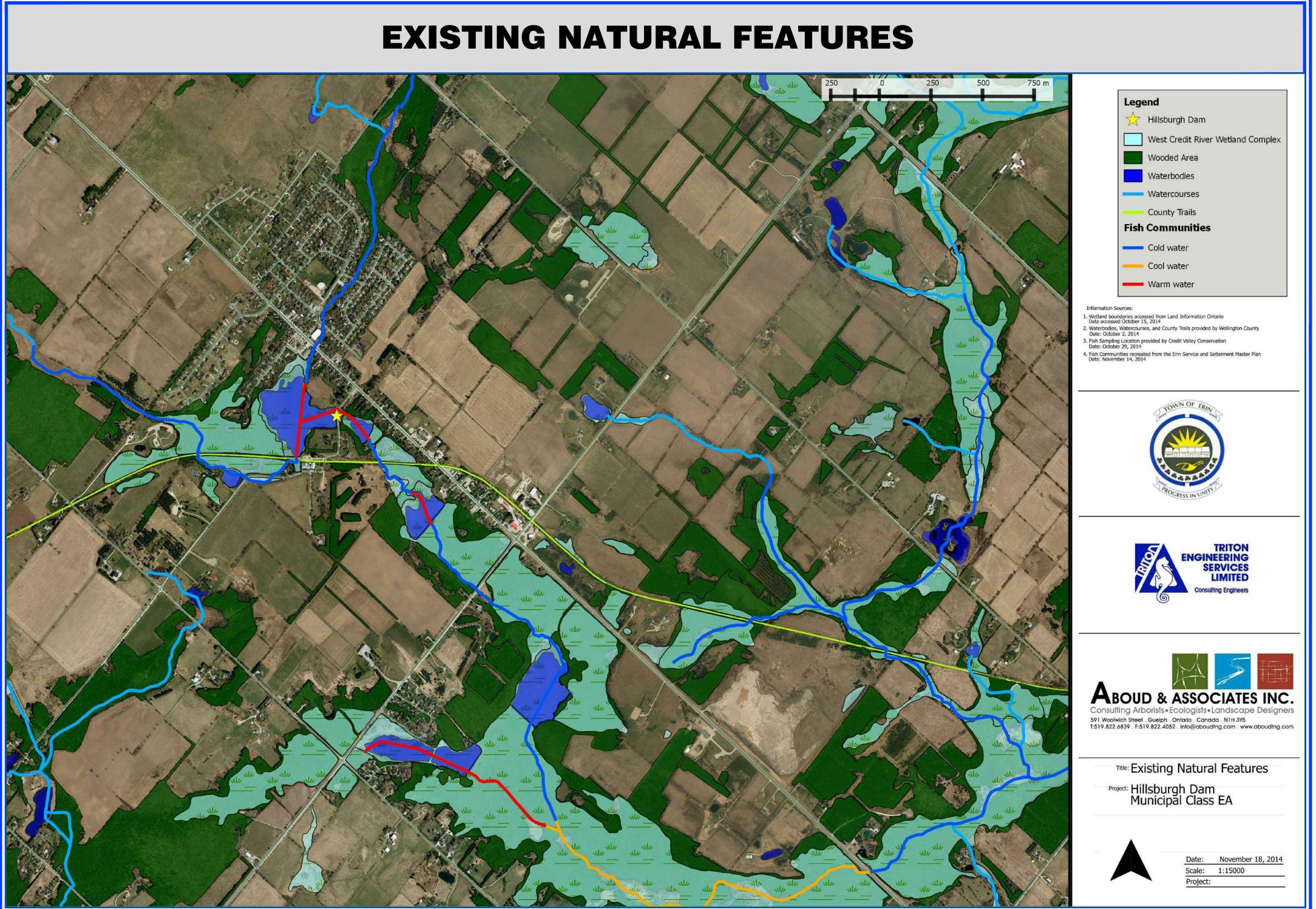












#### **HILLSBURGH POND**



#### **EXISTING BRIDGE**



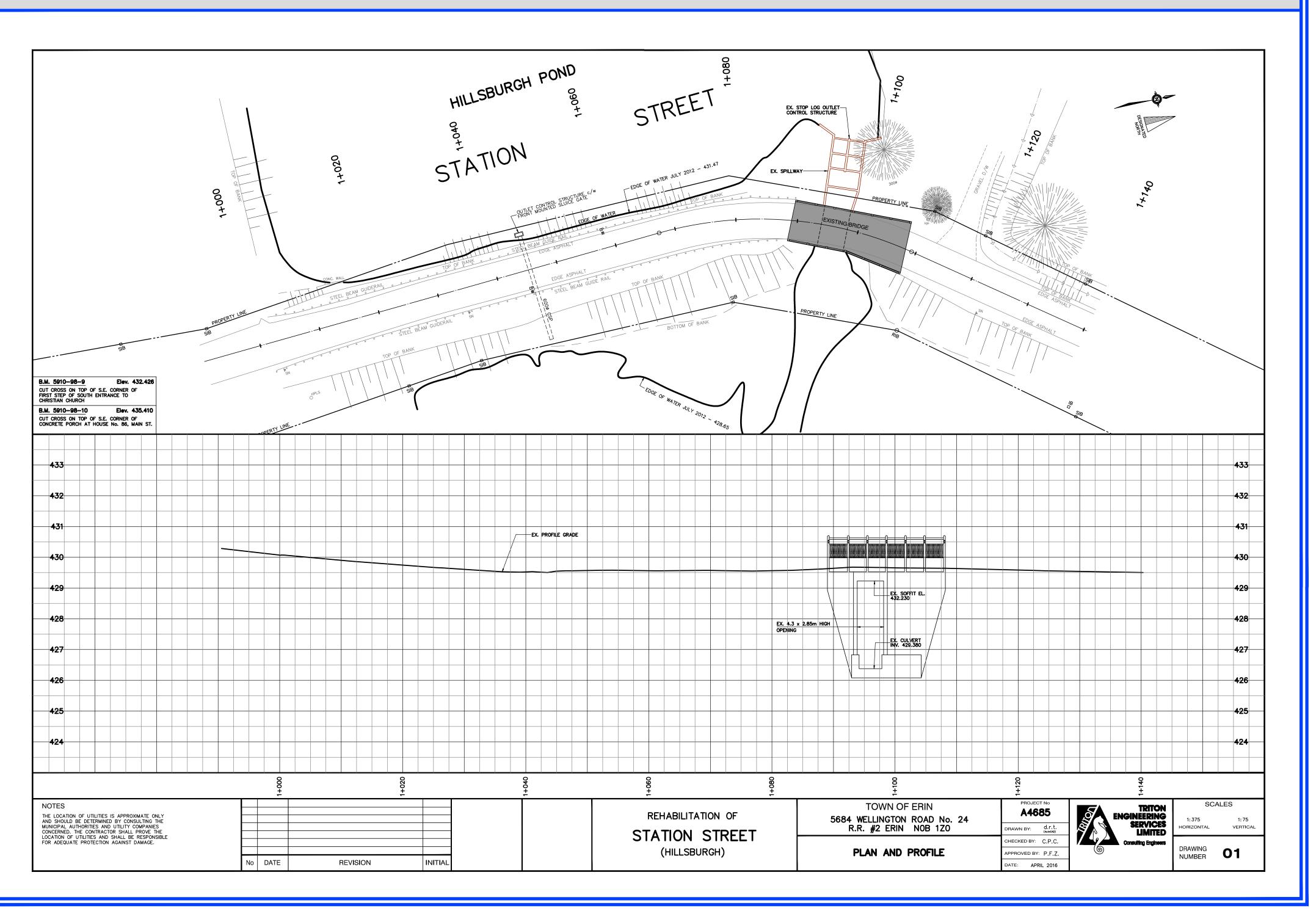
#### **EXISTING EARTHEN BERM DAM**



#### **EXISTING STOP LOG STRUCTURE**



#### EXISTING CONDITIONS - PLAN & PROFILE



### **ALTERNATIVES A & B**

## **ALTERNATIVE A - DO NOTHING:**

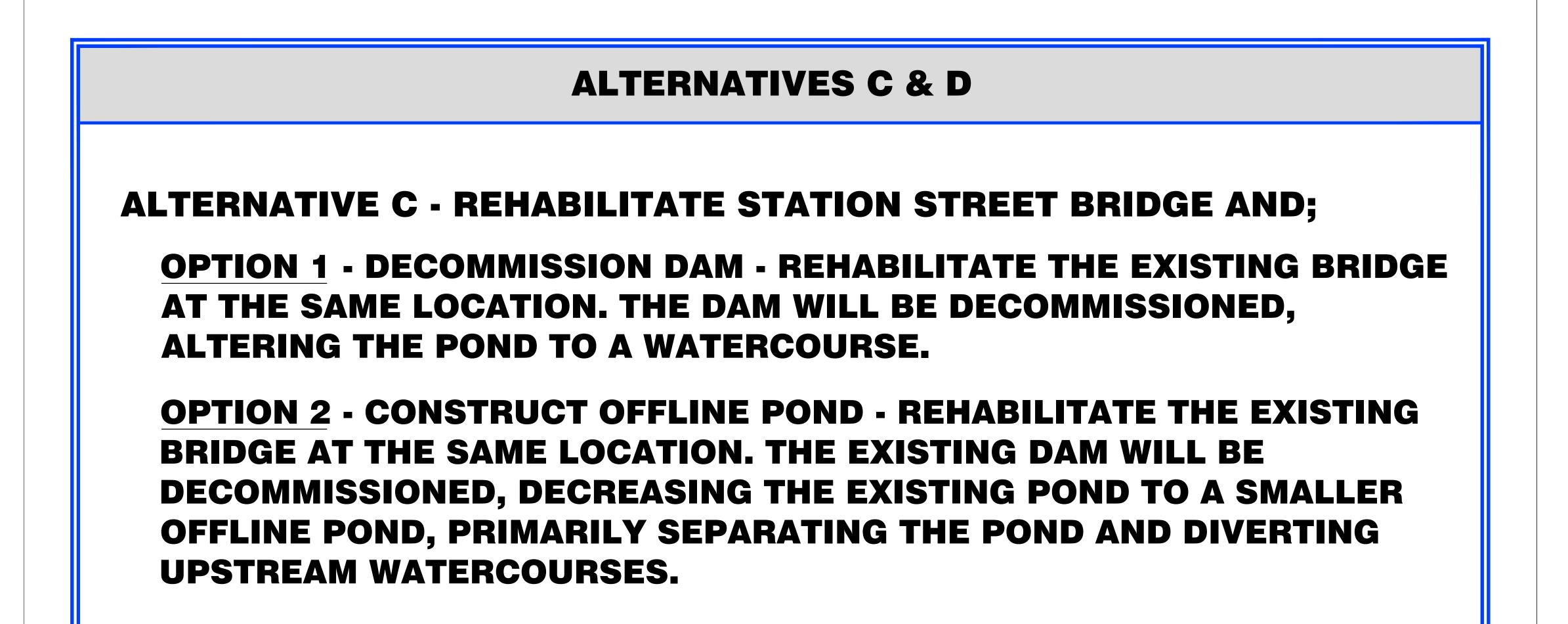
THIS IS THE "NULL" ALTERNATIVE, AGAINST WHICH ALL OTHERS WILL BE MEASURED. IF NOTHING IS DONE TO REPAIR OR REPLACE THE DAM AND BRIDGE, THE BRIDGE WILL CONTINUE TO DETERIORATE AND EVENTUALLY FAIL. IF A "CONSEQUENCE EVENT" IE, REGULATORY FLOOD EVENT OCCURS (SELECTED AS THE INFLOW DESIGN FLOOD (IDF) BASED ON CORRESPONDING "HIGH" HAZARD POTENTIAL CLASSIFICATION), THE DAM COULD POTENTIALLY FAIL IN ITS CURRENT CONDITION. IF NOTHING IS COMPLETED THE TOWN IS SUSCEPTIBLE TO THE ISSUANCE OF AN "ORDER" UNDER THE LAKES AND RIVERS IMPROVEMENT ACT.

## **ALTERNATIVE B - REHABILITATE HILLSBURGH DAM AND;**

OPTION 1 - RECONSTRUCT STATION STREET BRIDGE - CONSTRUCT A NEW BRIDGE AT THE SAME LOCATION OR NEW LOCATION ALONG THE DAM TO CONTAIN THE REGULATORY FLOOD EVENT TO WITHIN A TOLERABLE STANDARD TO COMPLY WITH LAKES AND RIVERS IMPROVEMENT ACT REQUIREMENTS. THE DAM WILL BE REHABILITATED TO MEET THE MNRF'S CURRENT DAM SAFETY STANDARDS.

OPTION 2 - REHABILITATE STATION STREET BRIDGE - REHABILITATE THE EXISTING BRIDGE AT THE SAME LOCATION. THE DAM WILL BE REHABILITATED TO MEET THE MNRF'S CURRENT DAM SAFETY STANDARDS.

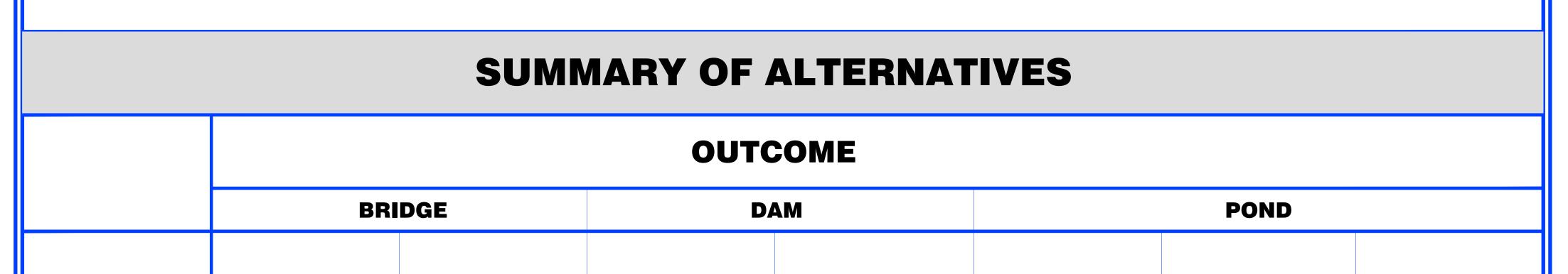
	OUTCOME											
ALTERNATIVE	BR	IDGE	D	AM	POND							
	CONSTRUCT NEW BRIDGE	REHABILITATE EXISTING BRIDGE	REHABILITATE DAM	DECOMMISSION DAM	EXISTING POND REMAINS	REMOVE POND TO WATERCOURSE	CONSTRUCT OFFLINE POND					
Α												
<b>B-OPTION 1</b>												
<b>B-OPTION 2</b>												
<b>C-OPTION 1</b>												
<b>C-OPTION 2</b>												
<b>D-OPTION 1</b>												
<b>D-OPTION 2</b>												



**ALTERNATIVE D - RECONSTRUCT STATION STREET BRIDGE AND;** 

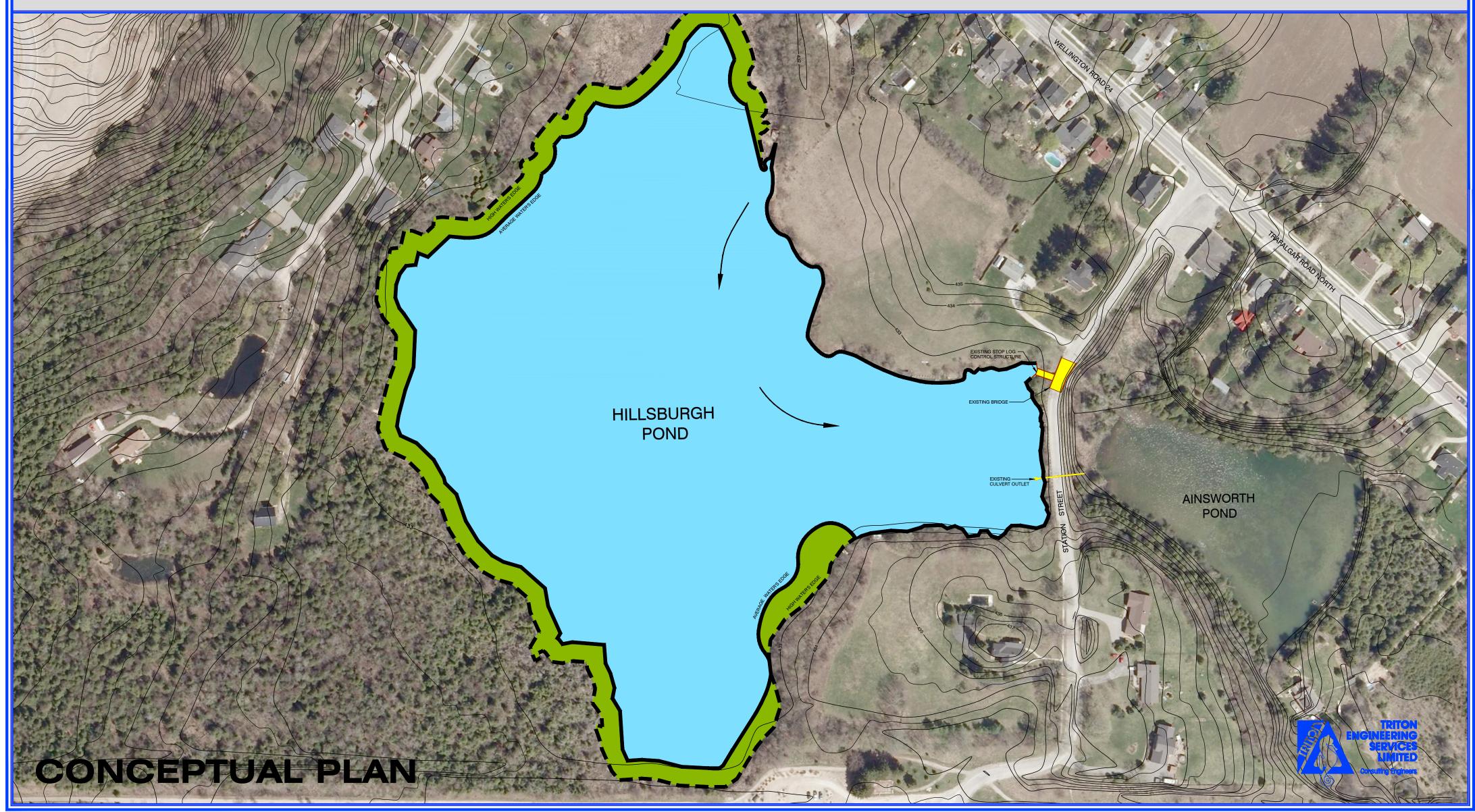
OPTION 1 - DECOMMISSION DAM - CONSTRUCT A NEW BRIDGE AT THE SAME LOCATION OR NEW LOCATION ALONG THE EXISTING DAM/ROADWAY. THE NEW BRIDGE WILL BE CONSTRUCTED UNDER THE MTO HIGHWAY DRAINAGE DESIGN STANDARDS. THE DAM WILL BE DECOMMISSIONED, ALTERING THE POND TO A WATERCOURSE.

OPTION 2 - CONSTRUCT OFFLINE POND - CONSTRUCT A NEW BRIDGE AT THE SAME LOCATION OR NEW LOCATION ALONG THE EXISTING DAM/ROADWAY. THE NEW BRIDGE WILL BE CONSTRUCTED UNDER THE MTO HIGHWAY DRAINAGE DESIGN STANDARDS. THE EXISTING DAM WILL BE DECOMMISSIONED, DECREASING THE EXISTING POND TO A SMALLER OFFLINE POND, PRIMARILY SEPARATING THE POND AND DIVERTING UPSTREAM WATERCOURSES.

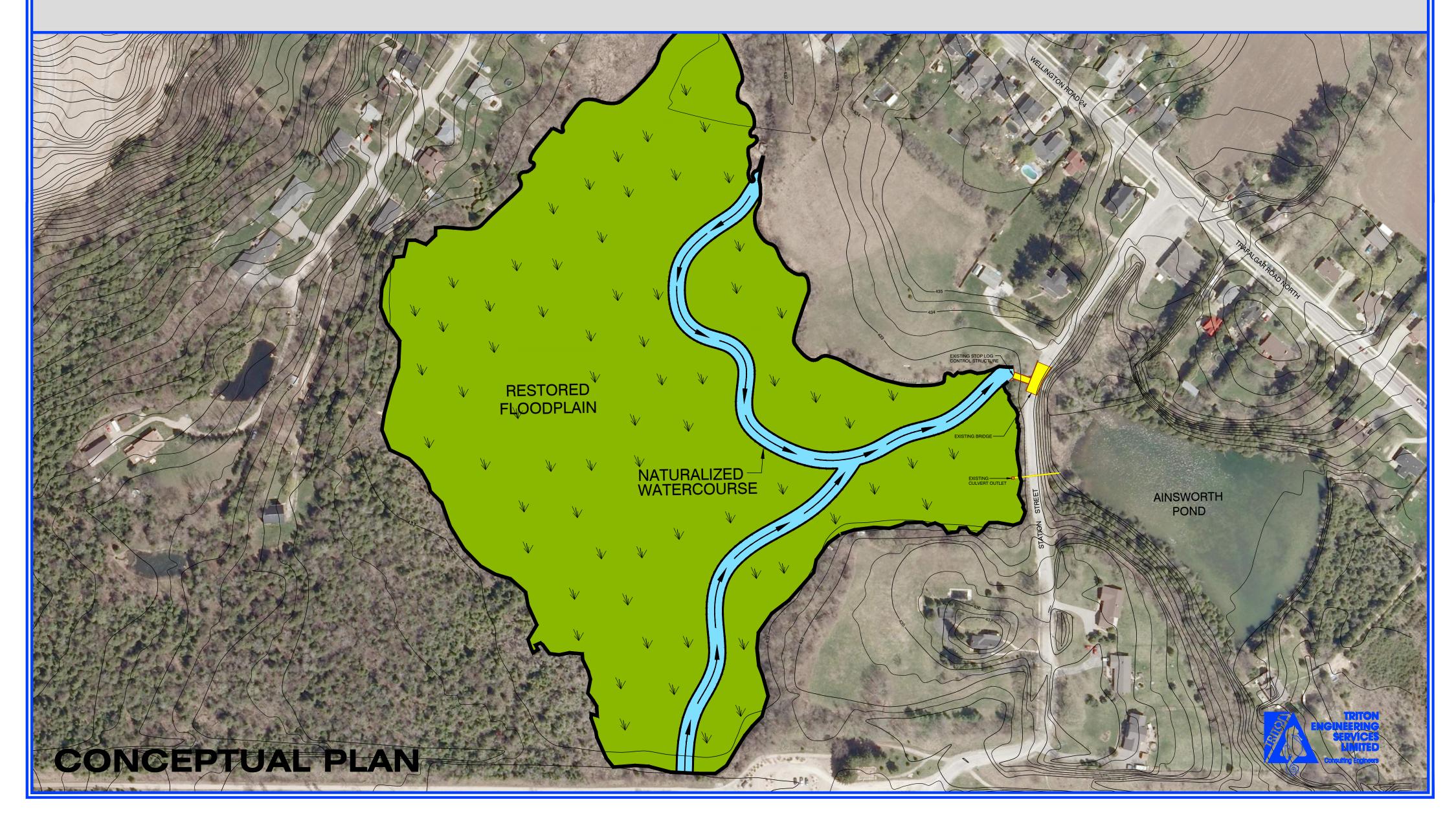


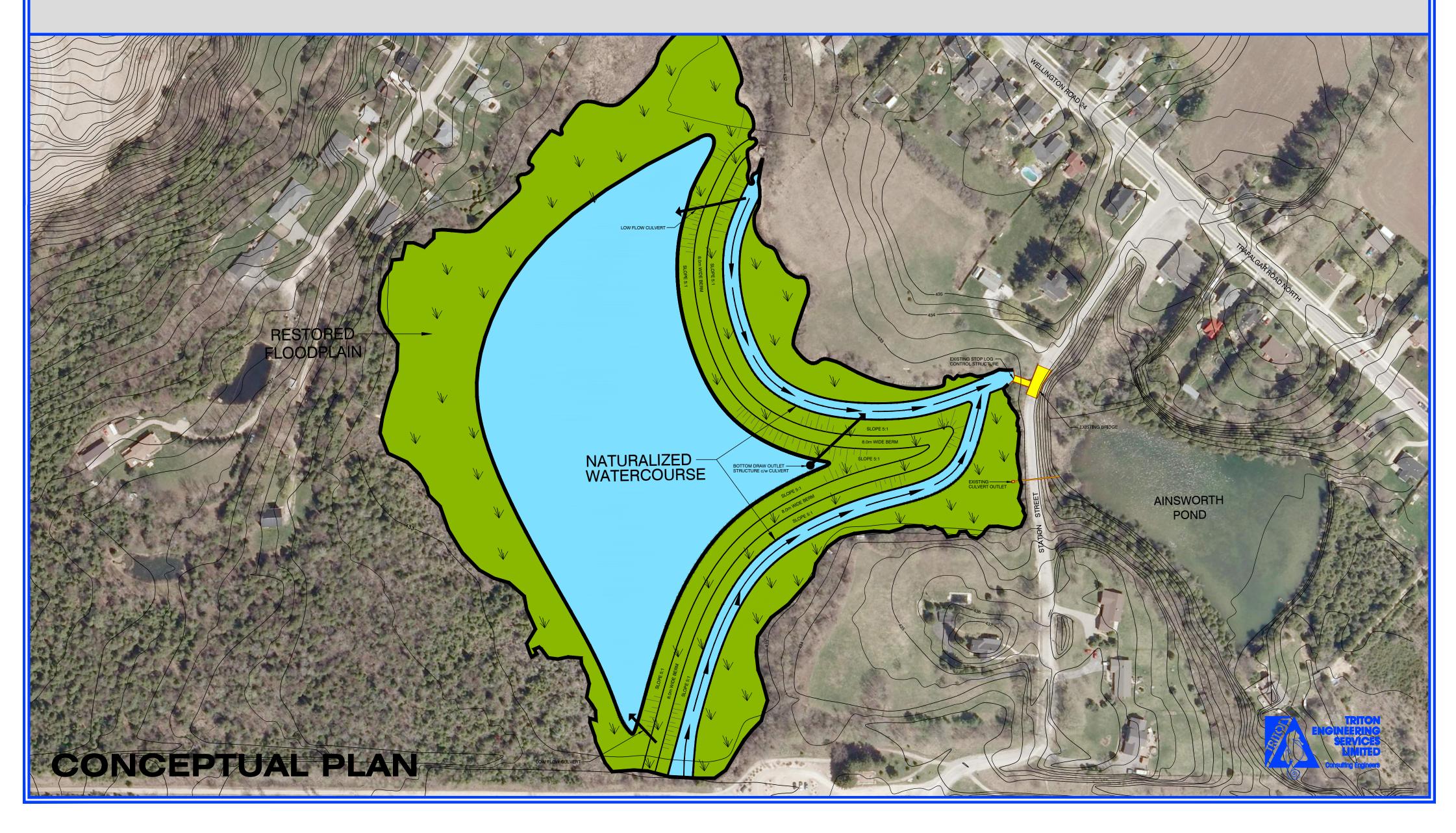
			REMAINS	WATERCOURSE	POND
Α					
B-OPTION 1	<i>·</i>				
<b>B-OPTION 2</b>					
C-OPTION 1					
C-OPTION 2					
D-OPTION 1	<pre>////////////////////////////////////</pre>				
D-OPTION 2	· · · · · · · · · · · · · · · · · · ·				

## ALTERNATIVE A - DO NOTHING ALTERNATIVE B - REHABILITATE DAM - OPTION 1 - RECONSTRUCT BRIDGE ALTERNATIVE B - REHABILITATE DAM - OPTION 2 - REHABILITATE BRIDGE



## ALTERNATIVE C - REHABILITATE BRIDGE - OPTION 1 - DECOMMISSION DAM ALTERNATIVE D - RECONSTRUCT BRIDGE - OPTION 1 - DECOMMISSION DAM







# PRELIMINARY COMPARISON AND RANKING OF ALTERNATIVES

CRITERIA	Summary of Weighted / Measured Criteria	Weighting	ALTERNATIVE A "Do Nothing"	ALTERNATIVE B Rehabilitate Hillsburgh Dam and;		ALTERNATIVE C Rehabilitate Station Street Bridge and;		ALTERNATIVE D Reconstruct Station Street Bridge and;	
				OPTION 1 Reconstruct Station Street Bridge	OPTION 2 Rehabilitate Station	OPTION 1 Decommission Dam	OPTION 2 Construct Offline Pond	OPTION 1 Decommission Dam	OPTION 2 Construct Offline Pond
ECHNICAL/FUNCTIONAL				Street Bridge	Street Bridge				
Hydrology and Hydraulics	The impact each Alternative has to the hydrology and hydraulics of the river system. The Alternative must conform to regulatory standards for a dam with High Hazard Classification . This is measured through engineering analysis and interpretation.		•	Dam will be upgraded to meet requirements for dam safety. Bridge will be reconstructed to convey the Regulatory Flood event and meet hydraulic requirements. increased hydraulic capacity will assist to reduce upstream flood levels during major storm events.	Dam will be updated to meet requirements for dam safety; bridge will not convey the Regulatory Flood and will not meet hydraulic requirements.	Pond will no longer exist; Station Street is considered a local roadway. Bridge will be rehabilitated and will meet the requirements to convey the 25 year storm event.	Dam will be relocated inside exisiting pond footprint. Station Street is considered a local roadway. Bridge will be rehabilitated and will meet the requirements to convey the 25 year storm event.	Dam will no longer exist, Station Street is considered a local roadway. Bridge will be reconstructed to a similar hydraulic capacity and will meet the requirements to convey the 25 year storm event.	Dam will be relocated inside exisitng pond footprint. Station Street is considered a local roadway. Bridge will be reconstructed to a similar hydraulic capacity and will mee the requirements to convey the 25 year storm event.
	Each alternative has a potential effect on the accumulation and transport of sediment. Sediment accumulation can reduce river system stability.		9 Eventual dam failure would allow for uncontrolled release of sediment negatively impacting river system stability.	12 Minor impacts during bridge reconstruction and dam rehabilitation. Sediment monitoring programs and mitigation measures will be implemented.	<b>9</b> Minor impacts during dam rehabilitation. Sediment monitoring programs and mitigation measures will be implemented.	12 Controlled release of sediment downstream may result in minor impacts to river system stability during dam decommissioning. Sediment monitoring programs and mitigation measures will be implemented.	12 Controlled release of sediment downstream may result in short term impacts to river system stability during dam decommissioning. Sediment monitoring programs and mitigation measures will be implemented.	12 Controlled release of sediment downstream may result in short term impacts to river system stability during dam decommissioning. Sediment monitoring programs and mitigation measures will be implemented.	12 Controlled release of sediment downstream may result in shor term impacts to river system stability during dam decommissioning. Sediment monitoring programs and mitigation measures will be implemented.
łydrogeology	The effects each Alternative has on the local hydrogeology and water tables and local feature ponds. Lowering of the Hillsburgh Pond has historically proven to lower water levels of dug wells in the vicinity as well upstream private feature ponds.	LOW	1 No impacts to surrounding dug wells in the vicinity of the pond are anticipated. This will not address the current state of the bridge and dam.	<b>3</b> No impacts to surrounding dug wells or private feature ponds in the vicinity of the pond are anticipated.	3 No impacts to surrounding dug wells or private feature ponds in the vicinity of the pond are anticipated.	2 Negative impacts to surrounding dug wells and private feature ponds with removal of the pond.	2 Minor impacts to surrounding dug	2	2 Minor impacts to surrounding of wells and private feature ponds with removal of the pond.
Ranking	The effects each Alternative has on the	HIGH	2 Current dam structure does not meet	4 Dam will be upgraded to meet	4 Dam will be updated to meet	1           Station Street considered a local	2 Station Street considered a local	1 Station Street considered a local	2 Station Street considered a loc
Transportation	operational safety and structural integrity of the dam and bridge. The Alternatives must meet design standards for traffic and pedestrian crossing. These are measured through engineering investigations, inspections and assessments.		meet lane or pedestrian design standard	requirements for dam safety. Bridge will be reconstructed to allow 2-lane traffic and sidewalk for pedestrian crossing to meet current transportation design standards.	requirements for dam safety, bridge will not meet current transportation design standards.	roadway. Bridge will not meet current transportation design standards.	roadway. Bridge will not meet current transportation design standards.	roadway. Bridge will be reconstructed to allow for 2-lane traffic and pedestrian crossing to meet current transportation design standards.	roadway. Bridge will be reconstructed to allow for 2-land traffic and pedestrian crossing meet current transportation design standards.
Ranking			9	12	9	10	10	12	12
Total Ranking NATURAL ENVIRONMENT			21	31	25	25	26	27	28
Species at Risk (SAR)	The effects each alternative has on the native (SAR) within the project study area. This is measured through the desktop and field investigations which assess the types of species present.		No impacts are anticipated under current state. Uncontrolled dam failure could cause significant negative impacts to Species at Risk.	Minor impacts to SAR Habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Minor impacts to SAR Habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Impacts to SAR Habitat are expected during construction; and long term impacts to the habitat through permanent removal of overwintering habitat for Common Snapping Turtle, and permanent removal of foraging habitat for Little Brown Myotis (Brown Bat)	appropriate design and mitigation measures are put in place, no	expected during construction; and	Minor impacts to SAR Habitat a expected during construction. I appropriate design and mitigat measures are put in place, no long term impacts are anticipat following construction and restoration.
Fish Habitat	The effects each alternative has on the native fish species and their habitat. Fish barriers reduce ability for fish passage and diversity. This is measured through the desktop and field investigations which assess the types of fish species present as well as, the precence and nature of barriers.		No impacts are anticipated under current state. Uncontrolled dam failure could cause significant negative impacts to Fish and Fish Habitat	Impacts to fish and fish habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Impacts to fish and fish habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Positive impacts to the managed Cold Water Fishery are anticipated from removing the dam and re-establishing the watercourse. Warm water fish species, which are not managed, would be negatively impacted by loss of habitat.	Positive impacts to the managed Cold Water Fishery are anticipated from removing the dam. The off-line pond may negatively impact the thermal regime if warm water is allowed to enter the watercourse.	Positive impacts to the managed Cold Water Fishery are anticipated from removing the dam and re-establishing the watercourse. Warm water fish species, which are not managed, would be negatively impacted by loss of habitat.	Positive impacts to the manage Cold Water Fishery are anticipated from removing the dam. The off-line pond may negative impact the thermal regime if warm water is allowed to enter the watercourse.
Ranking	The offerstance all alternatives have an		5	6	6	8	8	8	8
Significant Wildlife Habitat (SWH)	The effects each alternative has on SWH within the project study area. The destruction of SWH due to change or alteration can have negative impacts on the natural habitat features and ecological functions. SWH is measured through desktop and field investigations.		No impacts are anticipated under current state. Uncontrolled dam failure could cause significant negative impacts to SWH.	Minor impacts to SWH are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Minor impacts to SWH are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Impacts are expected during construction and long term negative impacts on the features and functions of the following SWH: Waterfowl Stopover and Staging, Turtle overwintering, and Habitat for Special Concern Species and Rare Wildlife Species.	Minor impacts to SWH are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Impacts are expected during construction and long term negative impacts on the features and functions of the following SWH: Waterfowl Stopover and Staging, Turtle overwintering, and Habitat for Special Concern Species and Rare Wildlife Species.	Minor impacts to Significant Wildlife Habitat are expected during construction. If appropria mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.
Ranking			3	2	2	1	2	1	2
Rare Species	The effects each alternative has on rare species within the project study area. The destruction of SWH due to change or alteration can have negative impacts on the natural habitat features and ecological functions of the rare species. This is measured through desktop and field investigations which quantifies and assesses the rare species present.		No impacts are anticipated under current state. Uncontrolled dam failure could cause significant negative impacts to Rare Species.	Minor impacts to Rare Species habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Minor impacts to Rare Species habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following construction and restoration.	Impacts to Rare species are expected during construction, and long term impacts include permanent changes to potential foraging/stopover habitat for Great Egret and Trumpeter Swan.	construction. If appropriate mitigation measures are put in place, no long term impacts are	Impacts to Rare species are expected during construction, and long term impacts are include permanent changes to potential foraging/stopover habitat for Great Egret and Trumpeter Swan.	Minor impacts to Rare Species habitat are expected during construction. If appropriate mitigation measures are put in place, no long term impacts are anticipated following constructi and restoration.
Landscape Features	The effects each alternative has on landscape features within the project study area. The loss of certain landscape communities can result in negative impacts to the local ecologies interdependencies. This is measured through desktop and field investigations which quantify and assess the current landscape features.		3 No impacts are anticipated under current state. Uncontrolled dam failure could cause significant negative impacts to Landscape Features.	2 No impacts are anticipated.	2 No impacts are anticipated.	<b>1</b> Impacts to landscape features are expected through the removal of the Hillsburgh Pond open water community, which is a rare community in the Town of Erin. Possible negative impact to the Treed Fen Community if hydrological changes (e.g. lower water table) are associated with the decommissioning of the dam.	of off-line pond. Possible negative impact to the Treed Fen Community if	1 Impacts to landscape features are expected through the removal of the Hillsburgh Pond open water community, which is a rare community in the Town of Erin. Possible negative impact to the Treed Fen Community if hydrological changes (e.g. lower water table) are associated with the decommissioning of the dam.	<b>2</b> Open water community will be maintained through construction of off-line pond. Possible negative impact to the Treed Fen Community if hydrological changes are associated with the decommissioning of the dam.
Ranking			3	3	3	1	2	1	2
Provincially Significant Wetlands (PSW)	The effects each alternative has on PSW within the project study area. Changes to the limit and extent of the PSW can cause negative impacts to the local ecologies interdependencies. This is measured through desktop and field investigations which quantify and assess the current limit and extent of	MED	No impacts are anticipated under current state however, uncontrolled dam failure could cause significant negative impacts to the PSW	could impact the upstream and	No impacts are anticipated.	Potential changes to hydrology could impact the upstream and downstream extent and quality of wetland.	Potential changes to hydrology could impact the upstream and downstream extent and quality of wetland.	Potential changes to hydrology could impact the upstream and downstream extent and quality of wetland.	Potential changes to hydrology could impact the upstream and downstream extent and quality wetland.
	1 1 36 33 8 7	-							
	PSW.		<u>ج</u>	6	Ŕ	e e e e e e e e e e e e e e e e e e e	e e e e e e e e e e e e e e e e e e e	6	e e



# PRELIMINARY COMPARISON AND RANKING OF ALTERNATIVES

CRITERIA Summary of Weighted / Measured Weighting		g ALTERNATIVE A "Do Nothing"	Rehabilitate Hill	NATIVE B sburgh Dam and;		ATIVE C Street Bridge and;		NATIVE D n Street Bridge and;
			OPTION 1 Reconstruct Station	OPTION 2 Rehabilitate Station	OPTION 1 Decommission Dam	OPTION 2 Construct Offline Pond	OPTION 1 Decommission Dam	OPTION 2 Construct Offline Por
OCIAL ENVIRONMENT			Street Bridge	Street Bridge				
	The Pond, Dam and the associatedHIGHBridge structure are consideredHIGH	No immediate impacts are anticipated, however; if left unmaintained, the artistic	The cultural value of the dam and in-situ pond will be least impacted	The cultural value of the dam and in-situ pond will be least impacted		The cultural value of the existing dam and in-situ pond will be lost.	The cultural value of the existing dam and in-situ pond will be lost.	The cultural value of the exist dam and in-situ pond will be l
	heritage resources in the community. The level of heritage significance is	merit and contextual value can be lost through eventual deterioration.	through rehabilitation of the exisiting dam.	through rehabilitation of the exisiting dam.	Rehabilitation of the bridge will	Rehabilitation of the bridge will best preserve the heritage	Reconstruction of the bridge, although not most preferred, can	Reconstruction of the bridge, although not most preferred,
Cultural Heritage	measured by the resources artistic merit and historical and contextual		Reconstruction of the bridge, although not most preferred, can	Rehabilitation of the bridge will best preserve the heritage	resource.	resource.	be achieved through proper documentation and	be achieved through proper documentation and
	value.		be achieved through proper	resource.			commemoration strategies.	commemoration strategies.
			documentation and commemoration strategies.					
Ranking		10	12	12	10	10	9	9
	The surrounding areas of the Dam and LOW Bridge may hold archaeological	No impacts are anticipated. This will not address the current state of the bridge and	require a Stage 2 archaeological		No impacts are anticipated.	No impacts are anticipated.	No impacts are anticipated. Will require a Stage 2 archaeological	No impacts are anticipated. W require a Stage 2 archaeologi
Archaeological Significance	significance within the footprint of the construction area. This is measured	dam.	assessment based on proposed footprint of new bridge.	assessment.			assessment.	assessment.
Ranking	through site and desktop investigations.	1	3	3	3	3	3	3
	The affects each Alternative has on LOW	No impacts are anticipated.	No impacts are anticipated.	No impacts are anticipated.	No impacts are anticipated.	No impacts are anticipated.	No impacts are anticipated.	No impacts are anticipated.
Analysis of Water Rights	Riparian Water Rights, Mill Privileges, and Mill Rights. Measured through							
Donking	professional legal opinions.	2				2		
Ranking	The potential risk each Alternative has HIGH	J High risk of dam failure due to a	Jam and Bridge will be upgraded	Dam will be rehabilitated to meet	<b>3</b> Pond will be removed, greatly	Pond will be removed, greatly	<b>3</b> Pond will be removed, greatly	3 Pond will be removed, greatly
	to public safety. Measured and quantified through professional	consequence or flooding event. High risk of bridge failure due to poor structural	to meet current industry and safety standards to improve	current dam safety standards to improve public safety. The risk of	reducing the risks caused by the	reducing the risks caused by the	reducing the risks caused by the earthen berm dam. Bridge will be	reducing the risks caused by
	judgement.	integrity. Eventual	pedestrian access and public safety. The risk of dam failure	dam failure during a consequence event is still	will not meet current industry	still poses a risk of overtopping	upgraded to meet current industry	still poses a risk of overtoppin
Public Safety			during a consequence event is	present. The Bridge will not meet	safe pedestrian access.	Bridge will not meet current	public safety.	Bridge will be upgraded to me
			still present however; improvements to the earthen dam			industry standards for 2-lane traffic and safe pedestrian		current industry and safety standards to improve public
			structure and increases hydraulic of the bridge will reduce risk to	pedestrian access.		access.		safety.
Ranking		۵	public safety. 11	۵	10	0	12	10
Total Ranking		23	11 29	9 27	10 26	9 25	12 27	10 25
	Overall construction costs of each HIGH Alternative, measured through standard	Estimated cost attributed to an emergency dam decommissioning and restoration and		Estimated cost includes the rehabilitation of the earthen berm		Estimated cost includes dam decommissioning and restoration,	Estimated cost includes dam decommissioning and restoration,	Estimated cost includes dam decommissioning and restora
	engineering benchmark cost estimates	bridge replacement = \$1,995,000. This is			rehabilitation of the existing	construction of new earthen berm for offline pond, rehabilitation of	e e e e e e e e e e e e e e e e e e e	construction of new earthen b for offline pond, replacement
Capital Construction		not considered a long term solution and will not satisfy Provincial legislation.	and rehabilitation of Station	the bridge and rehabilitation of	the bridge and rehabilitation of	the existing bridge, eventual	the bridge and rehabilitation of	the existing bridge and
			Street = \$2,420,600	Station Street = \$3,019,100	Station Street = \$3,597,650	replacement of the bridge and rehabilitation of Station Street =	Station Street = \$2,999,150	rehabilitation of Station Street \$3,637,550
Ranking	n	0	12	10	10	\$4,236,050	10	0
	Overall cost for operation and HIGH	No operational or maintenance costs.	Earthen berm will be rehabilitated	<b>10</b> Earthen berm will be rehabilitated	-	Earthen berm will be eliminated	Earthen berm will be eliminated	Earthen berm will be eliminate
	maintenance of each Alternative based on engineering cost estimates for	This is not considered a long term solution and will not satisfy Provincial	to an acceptable standard but may require long term	to an acceptable standard but may require long term	with no associated maintenance costs. Bridge will require regular	with no associated maintenance costs. Maintenance of offline	with no associated maintenance costs. New bridge will have no	with no associated maintenan costs. New bridge will have no
Regular Operations and	regular dam and bridge operations and	legislation.	maintenance for operation of	maintenance for operation of	assessments and maintenance	pond controls will be required.	anticipated long term	anticipated long term
Maintenance	maintenance		stop-log control structures	stop-log control structures. Bridge will require regular assessments	every 5-7 years.	assessments and maintenance	maintenance requirements.	maintenance requirements. Maintenance of offline pond
				and maintenance every 5-7 years.		every 5-7 years.		controls will be required.
Ranking		10	10	9	10	10	12	10
	In the event of a dam failure, dam HIGH owners can be held liable for damage	Dam owners will be held liable for associated costs inflicted to persons or	Dam owners will be held liable for associated costs inflicted to	Dam owners will be held liable for associated costs inflicted to		Dam owner's liability is greatly reduced with the elimination of	Dam owner's liability is greatly reduced with the elimination of	Dam owner's liability is greatly reduced with the elimination or
Economic Feasibility/Liability	inflicted upon persons or property. This is measured by professional judgement	property due to an uncontrolled dam or bridge failure.	persons or property due to an uncontrolled dam or bridge	persons or property due to an uncontrolled dam or bridge		the head pond and rehabilitation of the existing bridge however; a	the head pond and reconstruction of a new bridge.	the head pond and reconstruc of a new bridge however; a
	related to the potential for and quantification of damage to persons or		failure. Risk of dam or bridge failure will be reduced due to	failure. Risk of dam or bridge failure will be reduced due to		liability remains as offline pond's earthen berm is still considered a		liability remains as offline pone earthen berm is still considere
	property.		infrastructural upgrades.	infrastructural upgrades.		dam.		dam.
Ranking		9	10	10	12	10	12	10
Total Ranking		28	32	29	32	29	34	29
	Alternatives are subject to aquiring HIGH	Under Provincial legislation the dam	Further screening is required to	Further screening is required to	Further screening is required to		Further screening is required to	Further screening is required t
Permits/Approvals	applicable Provincial and Federal Permits. This criteria is measured	owners are obliged to determine a long term solution for the Dam and Bridge.	determine if this is permissible to the CVC and MNRF.	determine if this is permissible to the CVC and MNRF.	determine if this is permissible to the CVC and MNRF.	determine if this is permissible to the CVC and MNRF.	determine if this is permissible to the CVC and MNRF.	determine if this is permissible the CVC and MNRF.
	through a screening process for permissibility							
Ranking	g	9	11	11	11	11	11	11
Total Ranking	9	9	11	11	11	11	11	11
OVERALL RANKING		107	128	119	116	117	121	119
			RANKING M	ATRIX				
			RANKING M		Negative-Neutral	Noutr		Positivo
			RANKING M Negat		Negative-Neutral	Neutr	al	Positive
	WEIGHTING				Negative-Neutral SCO	RING	al	Positive
	LOW				SCO 2		al	Positive 4
						RING	al	Positive 4 8

## NEXT STEPS

# **RESPOND TO COMMENTS AND SUGGESTIONS FROM** PUBLIC AND AGENCIES BASED ON PRESENT **INFORMATION AND PRELIMINARY PREFERRED** ALTERNATIVE

- **FINALIZE SELECTION OF A PREFERRED** HILLSBURGH DAM AND BRIDGE
- **COMPLETE ENVIRONMENTAL STUDY REPORT**
- **ISSUE NOTICE OF PROJECT COMPLETION AND POST FOR 30 DAY PUBLIC AND AGENCY REVIEW** PERIOD
- **RESPOND TO ANY REMAINING PUBLIC AND AGENCY CONCERNS**

# **ALTERNATIVE FOR A "LONG TERM" SOLUTION OF THE**

