

COMMITTEE REPORT TO COUNCIL: INFRASTRUCTURE & RECREATION COMMITTEE

MEETING DATE: April 13, 2010
LOCATION: Ravenna Hall
PREPARED BY: Krista Royal
Administrative Assistant

A. Recommendations**C.1 EPW.10.044 Landfill Expansion Strategy**

THAT Council receives Staff Report EPW.10.044 entitled "Landfill Expansion Strategy", for their information.

"CARRIED"

C.2 EPW.10.043 Award of Waste Receiving Area Construction

THAT Council receive Report EPW.10.043 entitled "Award of Waste Receiving Area Construction"; and

THAT Council approve the award of Construction of a Receiving Area at the Waste Disposal Site to Seeley and Arnill Construction for an amount of \$239,596.55 excluding GST; and

THAT Council authorize the Mayor and Clerk to execute the Contract related to Tender 2010-10-T-EPW.

"CARRIED"

C.3 EPW.10.045 Extension of Engineering Contract for Landfill Environmental Screening

THAT Council approve the use of the Environmental Screening Project's \$40,000 contingency for the development of a design and operations plan and certificate of approval applications as outlined in Staff Report EPW.10.045 entitled "Extension of Engineering Contract for Landfill Environmental Screening".

"CARRIED"

C.4 EPW.10.041 By-Law Providing Parking Restrictions during the Ford Wayne Gretzky Golf Classic

THAT Council enact a By-law providing for temporary parking restrictions including no parking, no stopping and the placement of the required signage on roads as outlined in Report EPW.10.041, in preparation for the 2010 Ford Wayne Gretzky Golf Classic.

"CARRIED"

D.1 Minutes of Museum Advisory Committee

THAT Council receives the Museum Advisory Committee Minutes held on January 26, 2010 for information purposes.

"CARRIED"

D.2 EPW.10.022 Lora Bay Service Area Fire Flows

THAT Council receives Report EPW.10.022 entitled “Lora Bay Service Area Fire Flows” for their information.

“CARRIED”

THAT the Committee request for Staff to provide clarification on the budget impact of the report circulated be amended and circulated back to Committee for review.

“CARRIED”

THAT the I&R Committee request Reg Russwurm to respond to letter received by Lora Bay Corporation dated March 23, 2010.

“CARRIED”

B. Staff Reports (Attachments)

C.1 EPW.10.044 Landfill Expansion Strategy

C.2 EPW.10.043 Award of Waste Receiving Area Construction

C.3 EPW.10.045 Extension of Engineering Contract for Landfill Environmental Screening

C.4 EPW.10.041 By-Law Providing Parking Restrictions during the Ford Wayne Gretzky Golf Classic

D.1 Minutes of Museum Advisory Committee

D.2 EPW.10.022 Lora Bay Service Area Fire Flows

C. Background

D. Deputations/Presentations

B.1 Landfill Environmental Screening Process – Michael Cant, Golder Associates Ltd

E. Next Meeting Date

Tuesday, April 27, 2010 at 7:00pm, Ravenna Hall

Date	Activity	Description	Location
March 2007	Public Notice of Solid Waste Solution Study	Local print media and Town website	
April 2007	Meeting with Ministry of the Environment	Approvals Branch	Toronto
May 2007	Public Consultation Session 1 a	Local print and web media, Study agency mailing list, Study e-mail list	Thornbury
May 2007	Public Consultation Session 1 b		Craigeleith
June 2007	Public Survey on solid waste activities and attitudes	Local print media, Town web page, notice of survey mass mailed, hard copy surveys distributed from Town Office and Disposal Site	
January 2008	Public Consultation Session 2	Local print and web media, Study agency mailing list, Study e-mail list, Mailing list to adjacent landowners to Landfill Site	Thornbury
April 2008	Notice of Council Recommendation for Environmental Screening	Mailing to adjacent landowners to Landfill Site	Council Meeting
September 2008	Public Notice of Environmental Screening Study Commencement	Local print media and Town website	
October 2008	Notice of Environmental Screening	Organization and agency mailing list	
August 2008	Adjacent Landowner Meeting	Mailing to adjacent landowners to Landfill Site	Landfill Site
January 2009	Public Consultation Session 3 a	Mailing to adjacent landowners to Landfill Site	Landfill Site
January 2009	Public Consultation Session 3 b	Local print and web media, Study agency mailing list	Thornbury
January 2009	Sent ES document to Ministry of the Environment for Comment	Local and Regional Offices	

Environmental Screening

Golder Associates has recently completed a draft version of the Landfill Site Environmental Screening, which is available for review upon request. The screening process is a review and detailed study of potential environmental effects of the proposed landfill expansion and mining. The screening involves a criteria checklist as set out in the Ministry of the Environment “*Guide to Environmental Assessment Requirements for Waste Management Projects*”.

The checklist criteria consider components of air, water, and land as well as natural, cultural, social and economic factors. The criteria also identify potential impacts of the proposed undertaking.

As a result of working through the criteria checklist, two potential environmental impacts, concerns or issues, warranted further investigation. This ultimately led to the development of impact management and mitigation measures for the following:

- potential for surface water and groundwater impacts; and
- potential air and noise effects.

The mitigation measures for potential air and noise effects are detailed in the ES document. These measures effectively describe a monitoring and complaint response program. The document also identifies activities that have the potential to produce dust, odour and noise emissions and the methods to employ to control potential air or noise effects.

Potential Groundwater and Surface Water Impacts

Through the application of the screening checklist, the potential for landfill impacted water migrating off-site via groundwater flow was identified as a potential environmental effect, requiring evaluation and further investigation to determine the extent of these potential impacts and the development of mitigation measures. The basis for understanding the potential impacts comes from the following:

- site topography and drainage;
- site geology;
- interpreted site hydrology (characterized aquifers);
- interpreted groundwater flow;
- current and historical monitoring well data; and
- new and historical bore hole data.

Expansion and Mining Scenarios

Golder Associates proposes 4 potential expansion scenarios which involve a combination of landfill expansion and the mining of the existing Landfill. The scenarios are briefly described below.

Scenario 1 - Northern Expansion and Mining of Thornbury/Blue Mountains Landfill

- Construction of a new landfill cell 100,000m³ capacity; and
- 200,000m³ mining of old Thornbury Landfill and east side of Blue Mountains Landfill to gain 100,000m³ capacity.

Scenario 2 - Vertical Expansion and Mining of Thornbury/Blue Mountains Landfill

- New 100,000m³ at 2 metres high over 55,000m² of the existing Blue Mountains Landfill;
- 200,000m³ mining of old Thornbury Landfill and east side of Blue Mountains Landfill to gain 100,000m³ capacity; and
- Re-engineered Thornbury/Blue Mountains Landfill cell

Scenario 3 – Vertical Expansion and Mining of Thornbury Landfill

- New 100,000m³ at 1.5 metres high over 71,500m² of the existing Blue Mountains Landfill;
- 100,000m³ mining of only the old Thornbury Landfill to gain 50,000m³ capacity; and
- Re-engineered Thornbury Landfill cell.

Scenario 4 – Northern Expansion Only

- Construction of a new landfill cell 100,000m³ capacity

Hydrogeological models were developed on all four of the above scenarios plus the current site conditions. These models simulate the transport of landfill leachate through 2 sectional groundwater flow paths for a period of 100 years.

For the 4 scenarios the models also simulate 2 potential options as follows:

- the new landfill cells will continue to operate as natural attenuation; or
- the new landfill cells will be constructed using a newly engineered composite liner and leachate collection system.

Following assessment of the modelling results, it is clear that the greatest reduction in contamination observed at the boundary occurs when a liner is used. It is also anticipated that greater support will be given to permitting the expansion by the Ministry of the Environment if a lined scenario is employed.

Costs and Timeframe

For each expansion/mining scenario a cost and capacity estimate was developed by *Golder Associates*. The table below outlines the costs into six areas:

- Permitting;
 - Environmental Protection Act application for Certificate of Approval for waste disposal site;
 - Environmental Protection Act application for Certificate of Approval for air and noise emissions; and

- Ontario Water Resources Act application for Certificate of Approval for industrial sewage works (stormwater management).
- Landfill reclamation;
- Landfill cell construction;
- Construction engineering; and
- Leachate management.

Item	Scenario 1 Cost	Scenario 2 Cost	Scenario 3 Cost	Scenario 4 Cost
Permitting	\$35,000	\$35,000	\$35,000	\$35,000
Reclamation	\$4,120,000	\$4,120,000	\$2,063,000	n/a
New Cell Construction	\$1,164,500	n/a	n/a	\$1,164,500
Re-Engineered Cell Construction	\$2,492,000	\$2,612,000	\$1,214,500	n/a
Engineering				
Design/Tender	\$35,000	\$35,000	\$35,000	\$35,000
12% Allowance	\$933,180	\$808,920	\$393,300	\$139,740
Total Capital Cost	\$8,779,680	\$7,610,920	\$3,740,800	\$1,374,240
Leachate Management Annual Cost (pre-closure)	\$305,000	\$213,500	\$91,500	No yet identified
Capacity Site Life	16 years (new capacity ready in 2012)	16 years (new capacity ready in 2011)	10 years (new capacity ready in 2011)	10 years (new capacity ready in 2012)

Site Life

According to the Draft 2009 Annual Solid Waste Disposal Site Report, 16,000 cubic metres were consumed in 2009. In 2008 capacity consumption was 11,200 cubic metres. This higher rate of disposal is due to the tipping of demolition debris and contaminated soil related to the new Town Hall project. At the end of 2009 Site Life is estimated at 2.5 years, as such before the end of 2012 the Town will need new disposal capacity approved, constructed and commissioned.

Other Waste Management Options

Although the Town has been supporting other waste management options for residential waste (such as: Southgate’s BioWaste Treatment Facility), the current situation is that such a facility does not exist and is unlikely to be built within the next three years. Additionally that proposed plant only deals with one portion (household “black bag” and recycling) of the total waste stream that The Blue Mountains Site currently manages. As a result the Town will still need a facility to transfer waste from, compost, operate hazardous waste and recycling efforts and even landfill the remainder of the municipal waste stream.

Hypothetically, if the Town's existing Landfill Site is closed at the end of the remaining 2.5 years, many of the Site's other operations would still remain. With the hypothetical closing of the Site the Town would be required to establish a program of waste export.

Waste export will involve the establishment of a transfer site and depending on the desired level of service this would include a large indoor tipping floor, bulk waste grinder, conveyor and packer system. On Site equipment would include a loader and haul trailers and truck. As a result any savings found by not operating waste disposal operations would be easily lost to the operation of a transfer station, waste hauling and tipping fees charged by the end receiver of the Town's waste.

The Town could also consider the option of only accepting small amounts of waste (i.e.: not commercial trucks) at the receiving area that is currently in the process of being built. This scenario would also involve a direct haul to export for the curbside collected waste. This option dramatically reduces the waste disposal service to the local businesses and residents and at the same time will dramatically reduce the tipping fees received at the existing Site. Site revenues cover between one-half and two-thirds of the of the Site's total expenses.

Town Staff are currently developing detailed cost analysis for the option of exporting the Town's waste directly from curbside and from a Landfill Site based transfer station. These costs are not fully developed however tipping fees alone range from \$115/tonne to \$130/tonne as a direct haul from curbside collection. On 1,900 tonnes of curbside ("black bag") waste, the tipping/haul fee would equal nearly \$250,000 per year. Current waste compact and covering costs equal \$170,000 on 4,800 tonnes of waste annually.

The existing waste compaction costs are a useful number to observe, because effectively if the Landfill Site was closed this is essentially the only operational cost the Site would be saving. However, it would be replaced by shipping/tipping expenses that will at least double the compaction expense. In addition the above shipping/tipping expenses are measured on only a fraction of the waste the Site is currently managing.

Closure also comes with an immediate capital cost of just over \$1,000,000 related to final cap and drainage management construction.

Contaminant Mitigation

The Town must select an option for the Landfill Site that works to resolving the issue of off-site groundwater and surface water contamination. The contaminant modelling conducted as part of this ES is showing that the site boundary is verging on increased contamination.

Conclusion

With the short time line of just over 2 years until existing capacity is reached - immediate action is required related to establishing new disposal capacity. With our Engineer, Town Staff will continue to work through the Environmental Screening process and continue to update Council on project developments.

A public information session is scheduled for Saturday April 17th from 10am to noon at the Marsh Street Centre. The project team will review the input gathered from the latest round of consultation and produce a final Environmental Screening Report for Council and Public Review in July of this year.

C. The Blue Mountains' Strategic Plan

This solid waste project addresses the Town Municipal infrastructure needs and addresses Strategic Action 2.5 “develop a waste management strategy to meet diversion targets and address landfill capacity”.

D. Environmental Impacts

Management of municipal waste locally is viewed as a preferred and environmentally responsible action.

E. Budget Impact

The budget impacts of this project are significant. The table below shows the existing 2010 Capital Budget allocation.

Item	2010 Budget
Permitting (2010)	\$40,000 (Environmental Screening project)
Engineering (2011 – 2014)	\$750,000
Construction (2011 – 2014)	\$3,658,000
Total	\$4,448,000

Under each scenario and starting in 2013 the Landfill Operational Budget will also need to fund the additional leachate management costs in the order of \$200,000 per year, which include treatment fees from the Town Wastewater Group and haulage.

F. Attached

1. Environmental Assessment Phase – Solid Waste Solution EPW.07.113

Respectfully submitted,

Jeffery Fletcher
Manager of Solid Waste and Environmental Initiatives

Reg Russwurm
Director of Engineering and Public Works

For more information, please contact:

Jeffery Fletcher
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STAFF REPORT: Engineering and Public Works



REPORT TO: Engineering and Public Works Committee
MEETING DATE: November 13, 2007
REPORT NO.: EPW.07.113
SUBJECT: Environmental Assessment Phase – Solid Waste Solution

PREPARED BY: Jeffery Fletcher, Manager of Solid Waste and Environmental Initiatives

A. Recommendations

THAT Council authorize the Mayor and Clerk to execute an agreement with Golder Associates Ltd. for engineering services relating to conducting an Environmental Screening of a proposed landfill expansion and landfill mining project, in the amount of \$301,000.00 consisting of \$261,000.00 upset fee estimate plus \$40,000.00 fee contingency, and

THAT Council authorize the Mayor and Clerk to execute the Engineering Agreement.

B. Background

The Town issued a request for Proposal (RFP) in September 2006 for the “Preparation of a Long Term Solid Waste Management Solution”. *Golder Associates* was selected in November 2006 and approved by Committee and Council. The terms of reference in the RFP included 5 Tasks:

1. Review existing Documents and Work Completed to Date
2. Assess The Town’s Current and Future Requirements
3. Prepare Environmental Assessment Terms of Reference
4. Prepare a Waste Diversion Plan
5. Complete the Required Environmental Assessments and Obtain Approval From the Ministry of the Environment

The costs for the first 4 tasks were approved by Council based on the proposal’s cost estimates. An agreement for engineering services was signed for this work and included a budget upset limit of \$125,700.00.

Regulatory Change

During the course of the study, Regulation 101/07 was passed in March 2007 which will allow the Town to expand the existing landfill by 100,000 cubic metres plus gain 100,000 cubic metres of capacity by mining the site. The approval of this work will be achieved through an Environmental Screening (ES) process instead of a full Environmental Assessment (EA). The Environmental Screening process is intended to provide more clarity in the approvals process and is designed to streamline smaller site expansions. The 200,000 cubic metres increased

capacity represents between 18 and 25 years of additional life at the Town's current disposal site.

The change in regulation will not require the preparation of an EA Terms of Reference (TOR) (Task 3), which alters the current project. Therefore, some of the activities in this Task will not be performed and a cost savings of \$14,000 is expected to be realized in the existing assignment (Tasks 1 to 4).

A detailed cost estimate for Task 5 was not received from *Golder* in their original proposal. Due to the unpredictability of the EA process and the uncertainty of the project direction at the time, a price range for Task 5 was requested. The Town's consultant selection team also relied on the hourly rates and the consultant's qualifications to predict which consultant would be best suited to carry out Task 5. The price range submitted by *Golder* was between \$250,000 and \$500,000.

Environmental Screening

Following the completion of Tasks 1 and 2 of the original assignment, as well as conducting two public input sessions (May 2007) and a public survey, Town staff and *Golder* are able to propose a practical and logical approach to solving the Town's long term solid waste disposal needs. This approach is consistent with the original proposal, however it will now follow the path of an Environmental Screening for waste versus the previous tactic to conduct an Environmental Assessment. *Golder* has prepared a work plan, a schedule and a cost estimate for the Environmental Screening process which will include concurrent screenings for landfill mining and a landfill expansion. The total estimated cost for *Golder's* work is \$261,000 (which falls within the original proposal price range). The attached Table 1 outlines the detailed costs.

In Attachment 1, Task 3 shows \$0 for the First Mandatory Consultation Activity. The cost for this activity will be covered under the previously approved agreement for engineering work with *Golder*. Attachment 1 also has \$0 for Task 11 Conduct Additional Studies (if required). An allowance of \$40,000 will be carried to address issue specific studies to better understand concerns raised during the ES process. The capital project also includes \$6,000 for project related expenses that will be paid directly by the Town. The following table outlines anticipated project fees:

Table 1 – Environmental Screening Fee Summary

Activity	Description	Cost
Public Meeting	Hold a public meeting in Dec. 2007 to introduce to the public the plan to undertake two concurrent Environmental Screenings and to present the results of the survey and the Waste Diversion Plan	\$0.00 Costs included in existing agreement (\$20,500)
Environmental Screenings	15 Tasks to be undertaken as outlined in the attached Table 1 and the attached Proposed Study Schedule	\$261,000.00
Conduct Additional Study (if required)	In the event that any significant net effects or concerns expressed by stakeholders warrant further study	\$40,000.00
Total		\$301,000.00

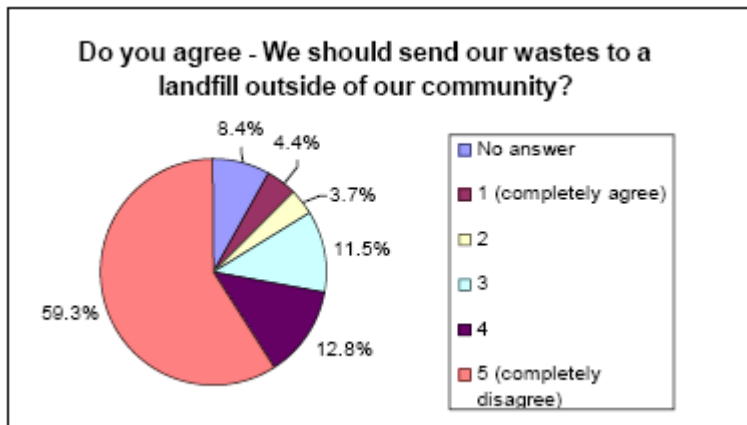
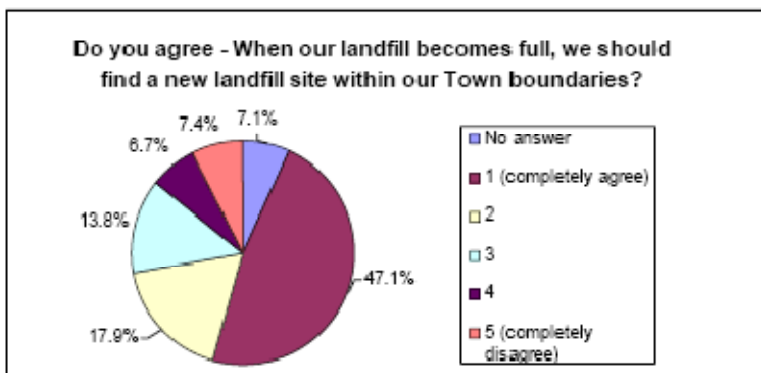
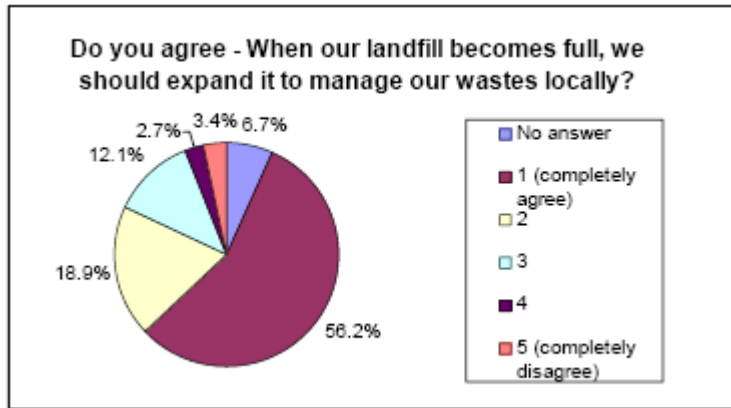
The overall total Engineering fees including the current and proposed assignment is expected to be:

Table 2 – Total Fees

Activity	Cost
Preparation of a Long Term Solid Waste Management Solution	\$125,700.00
Less expected savings by not preparing Terms of Reference	(\$14,000.00)
Proposed Assignment to undertake Environmental Screenings	\$301,000.00
Total Expected Fees	\$412,700.00

Public Support

The pie graphs below (from a draft report) highlight the general opinions gained from the public survey of the community conducted earlier this year. The summaries reveal that 75% of the respondents general agree that we should expand the site to manage our waste locally and 65% generally agree that a new site should be established within the boundaries of the Town. Further, 72% general oppose the idea of sending waste outside of the community.



A similar sentiment in support of the local management of waste was expressed at both of the public sessions in May, 2007. A future report will summarize the opinions and discussions that occurred at the Public Sessions in May.

In addition to this general public support for the concept of landfill expansion Town Staff have had supportive and positive discussions with the Ministry of the Environments (MOE) Assessment and Approvals Branch (AAB) in regard to expanding our existing site. In follow up to the meeting with the Ministry a letter from the MOE AAB Director confirmed our ability to conduct concurrent screenings.

Combining general public support and initial Ministry support makes existing site expansion a realistic approach to solving the Town's solid waste disposal needs for the next 18 to 25 years. The Town will combine the expansion effort with 60% or better diversion target. The Town can reach that target with the introduction of new diversion programs and facilities such as: curbside organics collect and construction and demolition waste diversion. The waste diversion plan will outline options, benefits and the costs of different diversion alternatives.

Next Steps

- Approve *Golder* Environmental Screening project schedule and fee estimate – Nov 26, 2007(Council);
- Amend the Engineering Agreement to include the Environmental Screening Study – Nov 2007;
- Eventual Environmental Screening approval will be followed by project design work and Environmental Protection Act application – 2009 - 2011;
- Construction of new capacity – 2011/2012

C. The Blue Mountains' Strategic Plan

This work will assist in addressing the Town's municipal infrastructure needs and aid in the development of a strategy to meet diversion targets and address landfill capacity.

D. Budget Impact

Existing 2007 budget for the Solid Waste Solution will be used to cover costs incurred this year. The 2007 Budget outlined an amount of \$250,000 for Environmental Assessment expenditures in 2008 and \$300,000 in 2009.

E. Attached

1. Table 1: Estimated Costs for Landfill Expansion and Mining Environmental Screenings
2. Figure 1: Environmental Screening Process Proposed Study Schedule

Respectfully submitted,

Jeffery Fletcher,
Manager of Solid Waste and Environmental Initiatives

Reg Russwurm
Director of Engineering and Public Works

STAFF REPORT: ENGINEERING & PUBLIC WORKS SOLID WASTE DIVISION



REPORT TO: Infrastructure & Recreation Committee
MEETING DATE: April 13, 2010
REPORT NO.: EPW.10.043
SUBJECT: Award of Waste Receiving Area
 Construction

PREPARED BY: Jeffery Fletcher, Manager of Solid Waste and
 Environmental Initiatives

A. Recommendations

THAT Council receive Report EPW.10.043 entitled “Award of Waste Receiving Area Construction”; and

THAT Council approve the award of Construction of a Receiving Area at the Waste Disposal Site to Seeley and Arnill Construction for an amount of \$239,596.55 excluding GST; and

THAT Council authorize the Mayor and Clerk to execute the Contract related to Tender 2010-10-T-EPW.

B. Background

As a result of a successful application to the Provincial MIII fund in 2008, Town Staff established a Capital Project to design and construct a new waste receiving area at the Town Disposal Site. Design work was completed in late 2009 by C.C. Tatham and Associates. The construction tender was released this March and closed March 25th, 2010.

Tender documents were provided to eleven contractors and suppliers during the three-week tender period. A record of plan takers was maintained by the Town. Tenders were received at the Clerk’s office up to 2:00 p.m. on Thursday, March 25, 2010. Submissions were received from eight bidders as shown on Attachment 1. All tenders were opened publicly and results read by Town staff.

Our pre-tender construction cost estimate for the works was \$337,575.00 including an allowance of \$30,000 for contingencies (excluding engineering and GST). A summary of tenders received, including the low tender price, is provided in attachment 1. The three low tender prices were checked for mathematical errors and no corrections were necessary. The low bid was from Seeley and Arnill Construction for \$239,596.55 excluding GST. The tenders are valid for a 60-day period, ending on May 24, 2010. The tender submitted by the lowest bidder, Seeley & Arnill Construction, was found to be complete in all respects with no irregularities. The tender price submitted by Seeley & Arnill Construction is lower than the pre-tender cost estimate by \$97,977.45 (40%).

The lowest bidder, Seeley & Arnill Construction, has completed projects of a similar nature and scope over the past three years as evidenced by the Ability and Experience form submitted with their tender. Tatham contacted references and received positive responses with respect to their ability and quality of work. Tatham and Town Staff consider Seeley & Arnill Construction to be suitably, experienced and capable of performing the work within the stipulated timelines.

Timeline

A Start Work Order could be issued as early as May 10, 2010, with a planned completion including all restoration by July 9, 2010.

The Certificate of Approval for the Receiving Area is anticipated to be issued by the Ministry of the Environment before April 9th, 2010. No other approvals are outstanding.

Additional Works

As a result of the tender price being 40% lower than the budgeted cost estimate, Town Staff are proposing to investigate options for additional works. A number of options in the original design considerations were deleted from the tender drawings to reduce costs. Town Staff will review the most practical options to reintroduce into project and return to Committee and Council with a proposal.

A large portion of the related funding for this project is would be lost back the funder, if not used on this project. As a result Town staff plan on maximising the available funding.

C. The Blue Mountains' Strategic Plan

This activity will assist in meeting the Town's Strategic Plan Goal #2, *addressing the Town's municipal infrastructure needs.*

D. Environmental Impacts

The provincial policy for municipal waste diversion is 60% by 2008. This new infrastructure will assist the Town in realizing that diversion target. The Town has developed a Waste Diversion Plan (July 2008) and 60% has been developed as a waste diversion goal. An increased focus on waste sorting, which will be achieved by the new receiving area, will move the Town closer to the 60% goal.

E. Budget Impact

Currently the project is in a positive financial situation with a surplus of \$52,338. This project is provincially funded from both the Municipal Infrastructure Investment Initiative (\$320,352) and Gas Tax (\$90,131) and is not tax base funded.

As stated above Town Staff will be proposing in a future report additional work such as: installing concrete bin aprons and paving critical areas of the receiving area with the budget surplus as outlined in the table below:

Item	Actual Costs	2010 Capital Budget
Engineering	\$74,448	\$74,448
Construction	\$239,597	\$291,935
Equipment	\$44,100	\$44,100
Total	\$358,145	\$410,483
Difference (Surplus)		(\$52,338)

F. Attached

1. Tender 2010-10-T-EPW Bid Results
2. Tender 2010-10-T-EPW Tender Award Committee Recommendation to Seeley and Arnill

Respectfully submitted,

Jeffery Fletcher
Manager of Solid Waste and Environmental Initiatives

Reg Russwurm
Director of Engineering and Public Works

For more information, please contact:

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UNOFFICIAL BID RESULTS

Project Name: Tender for Construction of a Receiving Area at the Solid Waste Disposal Site

Contract Number: 2010-10-T-EPW

Closing Date: Thursday, March 25, 2010: 2:00 P.M. Local time Clerk's Office

No	Bidder	Date Tender Received	Tender Amount	Tender Deposit Received
1	Harold Sutherland Const.	March 25	\$419,807.75	yes
2	John Bravakis Enterprises			
3	Brian Dinsmore Excavating			
4	Morris Shelswell & Sons Excavating & Grading Ltd.	March 25	\$339,490.00	yes
5	B&J Contracting	March 25	\$294,080.00	yes
6	Seeley & Arnill Construction	March 25	\$239,597.55	yes
7	DBD systems Inc.			
8	Sadlers Haulage (EC King)	March 25	\$260,785.00	yes
9	SMRS Construction	March 25	\$401,875.65	yes
10	Arnott Construction Ltd.	March 25	\$309,925.00	yes
11	Maram Building Corp.	March 25	\$438,775.00	yes
12				
13				

The above results are preliminary and no conclusion of award should be made from the information indicated above.

**WASTE RECEIVING AREA CONSTRUCTION TENDER 2010-10-T-EPW AWARD
TO SEELEY AND ARNILL CONSTRUCTION**

EPW.10.043
Attachment # 2

The Tender/Proposal Award Committee recommend that Council award the Waste Receiving Area Construction to Seeley and Arnill Construction related to Tender 2010-10-T-EPW as contained in report EPW.10.043.

Reg Russwurm
Director of Engineering and
Public Works

Robert Cummings
Director of Financial & Information
Services

Paul Graham
CAO

STAFF REPORT: ENGINEERING & PUBLIC WORKS SOLID WASTE DIVISION



REPORT TO: Infrastructure & Recreation Committee
MEETING DATE: April 13, 2010
REPORT NO.: EPW.10.045 REVISED
SUBJECT: Extension of Engineering Contract for
 Landfill Environmental Screening

PREPARED BY: Jeffery Fletcher, Manager of Solid Waste and
 Environmental Initiatives

A. Recommendations

THAT Council approve the use of the Environmental Screening Project's \$40,000 contingency for the development of a design and operations plan and certificate of approval applications as outlined in Staff Report EPW.10.045 entitled "Extension of Engineering Contract for Landfill Environmental Screening".

B. Background

In 2007 Council approved execution of an engineering agreement with Golder Associates Ltd. to conduct an Environmental Screening (ES) process. This project is well underway and has produced an ES report that will undergo public consultation and within months be sent to the Ministry of the Environment for review and further public consultation.

The existing agreement with Golder Associates consisted of a fee amount of \$301,000 which included a fee allowance of \$40,000 for undetermined additional studies. As this phase of study is concluding, Town Staff is recommending that this allowance be allocated to the Environment Protection Act (EPA) phase of study. At this point in the ES process the study team is determining that there are no foreseen additional studies. However, looking forward into the approvals process there are engineering works that could be started on now during the completion of the ES. Getting started on this work concurrently with the completion of the ES will help ensure a disposal solution is in place before the existing disposal capacity is finished.

Golder Associates has given the Town an estimate of cost for construction and engineering of the 4 potential expansion/mining scenarios. For every scenario a design and operations plan will be required and applications for waste, air and water will also need to be submitted.

Regardless of the selected scenario the costs of this work has been proposed to be the same, \$35,000. Town Staff recommend that an upset limit of \$40,000 including a \$5,000 contingency be reallocated to Golder Associates for the development of a design and operations plan and certificate of approval applications for waste, air and water from the allowance in the Environmental Screening engineering fees.

The remainder of the Environmental Permitting engineering will be subject to public request for proposal. This tender will include: landfill design, drawings, construction specifications, tender and construction administration. The table below outlines the anticipated engineering costs for the Environmental Protection Act phase of the Landfill Expansion/Mining Project.

Item	Estimated Cost	Purchase Process
Design and Operations Plan	\$30,000	Existing Contract Contingency
Certificate of Approval Applications	\$5,000	
Contingency	\$5,000	
Sub-Total	\$40,000	
Landfill Design, Drawings and Tender Specifications	\$30,000	Public Request for Proposal
Tender Process Assistance	\$5,000	
Allowance for Construction Engineering / Testing	12% of Construction \$140,000 to \$965,000	
Sub-Total	\$175,000 to \$970,000	
Total	\$215,000 to \$1,005,000	

C. The Blue Mountains' Strategic Plan

This work will assist in addressing the Town's municipal infrastructure needs and aid in the development of a strategy to meet diversion targets and address landfill capacity.

D. Environmental Impacts

None

E. Budget Impact

The use of the Environmental Screening budget's contingency amount is contained within existing 2010 Capital Budget allocation.

F. Attached

None

Respectfully submitted,

 Jeffery Fletcher
 Manager of Solid Waste and Environmental Initiatives

 Reg Russwurm
 Director of Engineering and Public Works

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STAFF REPORT: Engineering & Public Works Department



REPORT TO: Infrastructure & Recreation Committee
MEETING DATE: April 13, 2010
REPORT NO.: EPW.10.041
SUBJECT: By-Law Providing Parking Restrictions During the Ford Wayne Gretzky Golf Classic
PREPARED BY: Jim McCannell, Manager of Roads and Drainage

A. Recommendation

THAT Council enact a By-law providing for temporary parking restrictions including no parking, no stopping and the placement of the required signage on roads as outlined in Report EPW.10.041, in preparation for the 2010 Ford Wayne Gretzky Golf Classic.

B. Background

The Ford Wayne Gretzky Golf Classic is scheduled at two area golf courses from July 5 through July 11, 2010 and it is deemed to be in the public interest to regulate the parking of motor vehicles on certain public roads during this period so as to maintain emergency vehicle access to and through the area. Roads surrounding the tournament sites will be identified as no parking, no stopping. Signage will be placed prior to the event and removed following the event at the Town's cost.

The following road portions have been identified:

HIGHWAY NAME	PORTION SO DESIGNATED	PROHIBITED TIMES OF USE
10 th Line	Both sides between Highway No. 26 and 33 rd Sideroad	Anytime – July 5 to 11, 2010
33 rd Sideroad	Both sides between the 10 th and 11 th lines	Anytime – July 5 to 11, 2010
11 th Line	Both sides between the 33 rd Sideroad and Highway No.26	Anytime – July 5 to 11, 2010
Christie Beach Road	Both sides between Highway No. 26 and 39 th Sideroad	Anytime – July 5 to 11, 2010

39 th Sideroad	Both sides between Christie Beach Road and Sunset Boulevard	Anytime – July 5 to 11, 2010
Sunset Boulevard	Both sides between the 39 th Sideroad and Lora Bay Drive	Anytime – July 5 to 11, 2010
10 th Line	Both sides between Highway No. 26 and Lake Drive/Cameron Street	Anytime – July 5 to 11, 2010
Camperdown Road	Both sides, North and South of Highway No. 26 No parking behind the curb	Anytime – July 5 to 11, 2010
Camperdown Court	Both sides	Anytime – July 5 to 11, 2010
Old Lakeshore Road	Both sides east of Camperdown Road .	Anytime – July 5 to 11, 2010
7 th Line	Both sides from County Road 40 for 2 km south.	Anytime – July 5 to 11, 2010
Indian Circle Road	Both sides	Anytime – July 5 to 11, 2010
Scotts Circle	Both sides	Anytime – July 5 to 11, 2010
Aberdeen Court	Both sides	Anytime – July 5 to 11, 2010
Collens Court	Both sides	Anytime – July 5 to 11, 2010
Mountain Drive	At the Westin Hotel, vehicles may stop on the North side of the Road if attended, vehicles must not be parked or left unattended	Anytime – July 5 to 11, 2010

A copy of the Proposed By-law is attached for Council’s consideration.

C. The Blue Mountains’ Strategic Plan

This Bylaw furthers the Town’s Strategic Goal No. 2, “Addressing the Town’s municipal infrastructure needs” by ensuring that appropriate roadway signage is in place and enforceable and there is minimal impact on traffic flow.

D. Budget Impact

Town Staff will use existing signage remaining from the 2007 Telus Skins Game and 2009 Gretzky Golf Classic. The current Roads Administration, Materials Budget (1-308-1000-62000) has sufficient funds for the purchase of additional materials and other expected expenditures.

The estimated time for two men and a truck to erect/dismantle the signs throughout the Town, over approximately three days prior to the event and three days after the event at a rate of \$125/hr, would be \$6,000. By-law enforcement to patrol the posting of signage is an estimated cost of \$500/day. Over the course of two days on patrol, the costs will total \$1,000.

A total of 60 signs will be erected. A possibility that 20% damage at a cost of \$37 per sign will result in an additional cost of \$450. The total estimated budget impact would be \$7,450.

E. Attached

1. Proposed By-Law Providing Parking Restrictions During the Ford Wayne Gretzky Golf Classic

Respectfully submitted,

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Reg Russwurm
Director of Engineering and Public Works

**CORPORATION OF THE
TOWN OF THE BLUE MOUNTAINS**

BY-LAW NO. 2010 -

WHEREAS sections 9 and 11 and Part III of the *Municipal Act, 2001*, S.O. 2001, c. 25, as amended, enable the council of a local municipality to pass by-laws respecting the placing, standing, stopping or parking of an object or vehicle on highways;

AND WHEREAS Council of the Corporation of the Town of The Blue Mountains has enacted By-law No. 2003-11 and amendments thereto;

AND WHEREAS Council of the Corporation of the Town of The Blue Mountains deems it expedient to pass an amending By-law to By-law No. 2003-11, as amended, so as to regulate the parking of vehicles on specific highways for a specific time period;

AND WHEREAS the Ford Wayne Gretzky Golf Classic is scheduled at two area golf courses from July 5 through July 11, 2010 and it is deemed to be in the public interest to regulate the parking of motor vehicles on certain public roads during this period so as to maintain emergency vehicle access to and through the area;

NOW THEREFORE the Council of the Corporation of the Town of The Blue Mountains enacts as follows:

- Schedule "A" of By-law No. 2003-11 is hereby amended by adding the following:

HIGHWAY NAME	PORTION SO DESIGNATED	PROHIBITED TIMES OF USE
10 th Line	Both sides between Highway No. 26 and 33 rd Sideroad	Anytime – July 5 to 11, 2010
33 rd Sideroad	Both sides between the 10 th and 11 th lines	Anytime – July 5 to 11, 2010
11 th Line	Both sides between the 33 rd Sideroad and Highway No. 26	Anytime – July 5 to 11, 2010
Christie Beach Road	Both sides between Highway No. 26 and 39 th Sideroad	Anytime – July 5 to 11, 2010
39 th Sideroad	Both sides between Christie Beach Road and Sunset Boulevard	Anytime – July 5 to 11, 2010
Sunset Boulevard	Both sides between the 39 th Sideroad and Lora Bay Drive	Anytime – July 5 to 11, 2010
10 th Line	Both sides between Highway #26 and Lake Drive/Cameron Street	Anytime – July 5 to 11, 2010
Camperdown Road	Both sides, North and South of Highway #26	Anytime – July 5 to 11, 2010
Camperdown Court	Both sides	Anytime – July 5 to 11, 2010
Old Lakeshore Road	Both sides east of Camperdown Road .	Anytime – July 5 to 11, 2010
7 th Line	Both sides from County Road 40 for 2 km south.	Anytime – July 5 to 11, 2010
Indian Circle Road	Both sides	Anytime – July 5 to 11, 2010
Scotts Circle	Both sides	Anytime – July 5 to 11, 2010
Aberdeen Court	Both sides	Anytime – July 5 to 11, 2010
Collens Court	Both sides	Anytime – July 6 to 11, 2010

Mountain Drive	At the Westin Hotel, vehicles may stop on the North side of the Road if attended, vehicles must not be parked or left unattended	Anytime – July 5 to 11, 2010
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AND FURTHER that this By-law shall come into force and take effect upon the enactment thereof.

Enacted and passed this _____ day of _____, 2010

Ellen Anderson, Mayor

Corrina Giles, Town Clerk

Minutes - Museum Advisory Committee



MEETING DATE: January 26th, 2010 10:30am
LOCATION: Craigleith Heritage Depot
PREPARED BY: Suzanne Purdy, Curator

A. Call to Order

- Chair Bob Waind called the meeting to order.
- In attendance; Suzanne Purdy, Rob Potter, Bob Waind, Bob Gamble, Bud McCannell and Eleanor Pask

Guests: Erika Engel, Courier Herald
Bruce Makison, Chair Collingwood Museum Advisory Committee

- Approval of Agenda

Moved by: Bob Gamble Seconded by: Rob Potter

THAT the Agenda of January 26th, 2010 be approved as amended.
Carried.

- Declaration of Pecuniary Interest – None at this time
- Previous Minutes

Moved by: Bud McCannell Seconded by: Eleanor Pask

THAT the Minutes of December 8th, 2009 be adopted as amended, Carried.

B. Deputations / Presentations

Strategic Plan Draft

Adopted as amended

C. Staff Reports

DOR 10 17 Young Canada Works Application – Craigeith Heritage Depot

- Motion to receive reports;

Moved by: Rob Potter

Seconded by: Bud McCannell

D. Correspondence

E. New and Unfinished Business

Abandoned Ontario consignment.

It was agreed that a minimum number of books be purchased by authors participating in our lecture series for resale at the lectures and at the Depot gift shop. Suzanne suggested the minimum number of books to purchase shall be three. Suzanne announced the new partnership with Jessica's Book Nook for 2010 lecture series publication sales.

Depot publications.

Several community members have approached the Depot with the idea of a joint publication on local historical topics. The committee agreed that a publication much like *Ontario History*, published by the Ontario Historical Society would be an example of a feasible project for the Depot to undertake. Given the amount of volunteer writers, editors and experienced publishers willing to assist with this project, it was decided that an annual Depot publication shall proceed. Suzanne will coordinate.

Community Memories Grant – Clarksburg Sesquicentennial.

Suzanne has applied for the Community Memories federal grant offered through Canadian Heritage Information Network to assist with funding the Clarksburg Sesquicentennial 2010 event. The total amount of funds available shall be \$5000, and successful applicants will be notified in April. Suzanne is to attend a Sesquicentennial meeting at the Loft Gallery this evening with the volunteer organizers

Visual heritage project

Suzanne has arranged a group project with Grey Roots, Meaford Museum, Owen Sound Marine and Rail and Billy Bishop Museums. Together we will partner with Visual Heritage Ontario and TVO to create television vignettes on local heritage attractions to be aired on TVO. Project will be paid for by Visual Heritage Ontario and shall take approximately 1.5 years to produce. The first meeting with all involved shall take place at the Depot on March 23rd.

Advertising pitches.

Suzanne distributed three advertising pitches received from; mycollingwood, Mountain Life magazine and Escarpment Views magazine. The total advertising budget is \$2634 for 2010. It was agreed that further investigation of advertising options is required before committing to any of these organizations. Bob Gamble suggested inquiring into advertising methods and readership statistics. Rob Potter will see about joint advertising between the Depot and the Town.

Newsletter

Next issue due in spring, preferably by March. It was noted that the Lilac Festival which is still in the planning stages should be further detailed in the newsletter.

Lecture series update

January lecture was attended by four, grade eight classes and generally well received. Dr. Miall had to cancel his lecture for July so there is a vacancy for that month.

Volunteer tea

With the new projects for 2010, we now have more volunteer opportunities. Suzanne and Eleanor will plan a volunteer tea in March in which to regroup and re-orientate the volunteers. As well, the volunteer tea shall be a way of showing our appreciation.

Queens Park meeting Feb 25th re: CMOG funding

The recent announcement by the Minister of Culture that there is a moratorium on new museums entering the CMOG (Community Museums Operating Grant) program has caused a great stir amongst the Ontario museum community. The Depot has been asked to write a letter to Hon. Aileen Carol and our local MPP to voice our disappointment with this decision. The Ontario Museums Association and the Ontario Historical Society are spear heading this movement and the issue shall be discussed at the Queens Park meeting on Feb. 25th. Bob Gamble asked Rob Potter to compile a letter on behalf of the Town.

F. Next Meeting Date

February 23rd, 2010 @ 10:30am – Craigeith Heritage Depot

G. Adjournment

Moved by: Rob Potter Seconded by: Eleanor Pask

THAT this meeting do now adjourn, Carried.

STAFF REPORT: ENGINEERING AND PUBLIC WORKS DEPARTMENT



REPORT TO: Infrastructure & Recreation Committee
MEETING DATE: April 13, 2010
REPORT NO.: EPW.10.022
SUBJECT: Lora Bay Service Area Fire Flows
PREPARED BY: John Caswell, Manager of Water & Wastewater Services/Asst. Director

A. Recommendation

THAT Council receives Report EPW.10.022 entitled "Lora Bay Service Area Fire Flows" for their information.

B. Background

In March 2002 an Environmental Assessment, Phase 2 Report was finalized for Schedule B projects in the Camperdown, Thornbury, Clarksburg and Lora Bay services areas. The Report laid out the groundwork for future required water and wastewater infrastructure in these service areas. The Town completed the above mentioned Comprehensive EA in 2002.

Subsequent to the Phase II Report the Town retained Hatch Mott Macdonald (formerly AWS Engineers and Planners) to complete the engineering design for the required water and wastewater projects to service Phase 1 of Lora Bay (see Figure #1- Lora Bay Service Area). These projects included water servicing with a booster pumping station and reservoir located at the 10th Line on Highway 26. Wastewater servicing would be provided by the Beaver River siphon, upgrades to The Mill Street Pumping station and wastewater collection from the 10th line to the intersection of Huron and Victoria Streets in Thornbury.

Figure #1- Lora Bay Service Area



All the above mentioned projects were constructed in 2005 and 2006 except the reservoir which was designed to be constructed later as an extension to the rear wall of the 10th Line Booster Station (WBS). The Developer had approached the Town and requested the construction of the reservoir be deferred until 2011. The reason for this request was due to the phasing of the Lora Bay's Corporation developments. The Town agreed to the deferral of the reservoir.

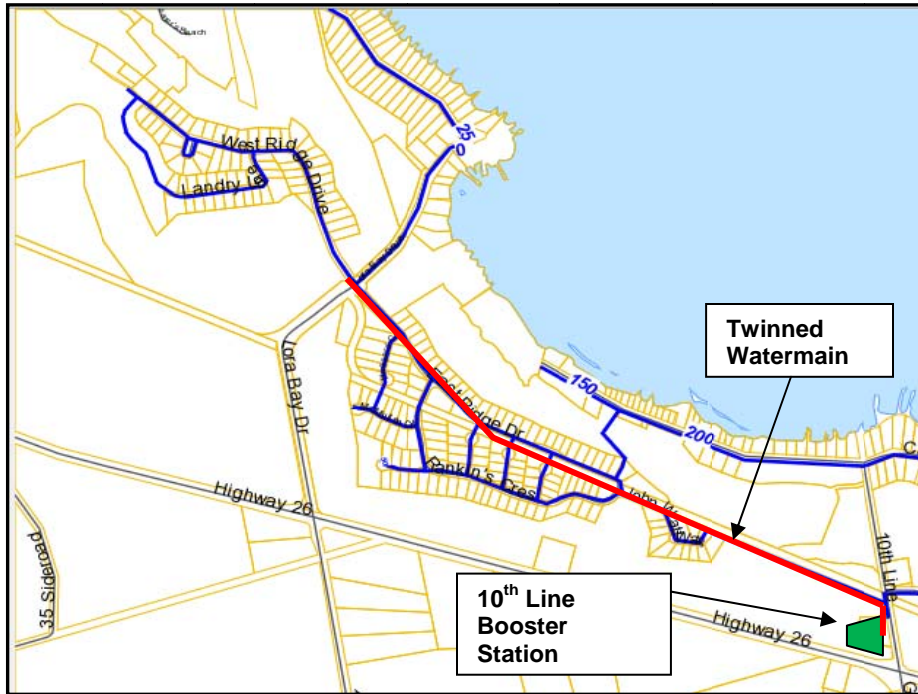
The Town has required Fire Underwriter' Survey (FUS) fire flows for new works within the March 2005 Engineering Standards. The FUS standards have always been included in the Ministry of Environment (MOE) guidelines but not explicitly in Town Engineering Standards. FUS is an enhanced level of fire protection and substantially increases the amount of water required for fire protection. The WBS was tendered and constructed after the new standards came into effect.

The design of the WBS, completed prior to 2005, provided for 85 l/s of fire flow which is less than FUS standards. This fire flow was utilized because it met the Building Code requirements for the proposed Lora Bay Club House. The Town's Engineering Division recognized a problem during their review of fire flows for subdivision development. The WBS and associated distribution system to the Lora Bay Service Area one not capable of delivering FUS level of fire protection to the entire service area, particularly larger buildings.

The Town retained Genivar, who was involved in the design of the distribution system, to assess the existing water system infrastructure design. Part of that assignment was to also consider a conceptual design of a water system that may ultimately service the needs of the Lora Bay Service Area west of the 10th Line with FUS levels of fire protection.

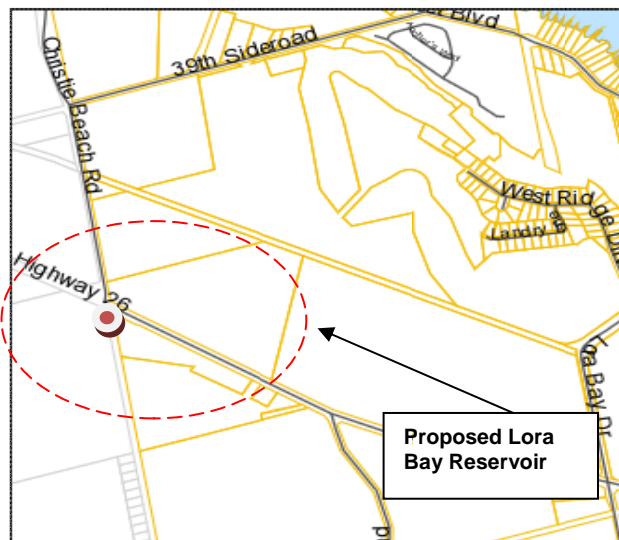
The existing system was modeled to assess its adequacy with the recommended FUS fire flow during the maximum day demand. The existing system clearly will not deliver the required fire flows. There are two basic options available to the Town to ensure that suitable fire flows are available to the Lora Bay Service Area when full build out occurs. The first option (see Figure# 2- Option #1) would see the WBS upgraded with new pumps and the reservoir constructed adjacent to the WBS as per the design developed during the EA. In order to provide the necessary fire flow, the existing watermain will be twinned from the 10th Line to at least the intersection of Lora Bay Drive and Eastgate Drive.

Figure # 2-Option # 1



The second option is that the storage reservoir be relocated to another area of the Service Area. One location considered for the reservoir was near the intersection of Highway No. 26 and Christie Beach Road (see Figure #3- Option #2). The reservoir itself could be constructed on the hillside of the extension of the Christie Beach road south of Highway 26 or as an elevated tank at the northeast corner of the intersection of Highway 26 and Christie Beach Road. The final location and type of storage facility will need to be the subject of a Schedule 'B' Class Environmental Assessment.

Figure # 3-Option # 2



With the storage reservoir located in the southwestern extreme of the Service Area, the recommended fire flows can be met throughout and there would also be the benefit of providing redundancy to be able to feed water from two sides of the Service Area.

As part of the 2010 Capital Budget the five year water and wastewater capital plan was presented for information. It anticipates that an EA would be completed in 2011, engineering of this facility would be completed in 2012 and construction would be undertaken in 2013.

C. The Blue Mountains' Strategic Plan

These works will assist in the Town's Strategic Plan Goal #2 "Addressing the Town's Municipal Infrastructure needs".

D. Environmental Impacts

The Class Environmental Assessment that will be done will determine the impact on the environment and mitigating measures.

E. Budget Impact

The proposed Capital Budget for 2011 includes \$75,000 to complete the Class Environmental Assessment and \$125,000 for engineering design in 2012. The overall project to be constructed in 2013 at an anticipated total cost of \$3,345,000 is to be funded from Development Charges for the Lora Bay Service Area.

F. Attached

None

Respectfully submitted

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