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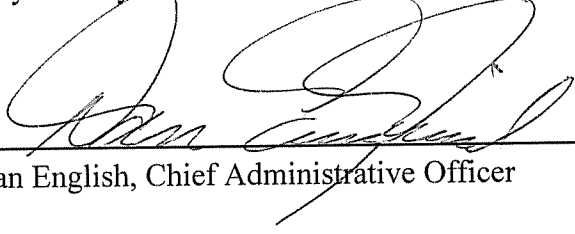


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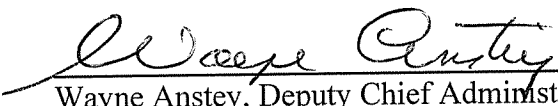
Halifax Regional Council
July 4, 2006

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:



Dan English, Chief Administrative Officer



Wayne Anstey, Deputy Chief Administrative Officer - Operations

DATE: June 28, 2006

SUBJECT: Award of Unit Price Tender No. 06-356 - Sullivan's Pond Outlet Pipe,
CSP (Corrugated Steel Pipe) Repairs

ORIGIN

Approved 2006/07 Capital Budget

RECOMMENDATIONS

It is recommended that Council:

1. Approve an increase to the 2006/2007 Capital Budget in the amount of \$135,275 including net HST, for capital project CSI00706, Sullivan's Pond Outlet Pipe, Dartmouth with funding from Sewer Redevelopment Reserve Account Q104, as outlined in the Budget Implications section of this report.
2. Approve withdrawal from the Sewer Redevelopment Reserve Account Q104 in the amount of \$135,275
3. Award the Sullivan's Pond Outlet Pipe - CSP Repairs, Dartmouth to Silco Contracting Limited for the materials and services listed at the unit prices quoted for a quoted price of \$199,618 including net HST from capital account with funding authorized as per the Budget Implications Section of this report.

4. Approve an allowance for testing of materials and unforeseen work that is likely to arise with a project of this complexity, in the amount of \$19,962 including net HST.
5. Approve the appointment of CBCL Limited for contract administration and site inspection services for an estimated \$17,066 including net HST.

BACKGROUND

The existing outlet pipe from Sullivan's Pond is a 2740 mm (nine foot) diameter corrugated steel pipe that extends from Sullivan's Pond to Dartmouth Cove (See Figure 1). The pipe is approximately 580 metres long, traversing several properties including the former Starr Manufacturing property. The pipe is a critical component of the HRM's stormwater infrastructure, draining the watersheds of Sullivan's Pond as well as Lakes Banook, Micmac and Charles (a total of 2900 Hectares). The pipe system is approximately 36 years old and near the end of its service life.

A study was commissioned in 2004 to conduct a detailed condition assessment of the interior of the pipe and to recommend options for replacement, rehabilitation or repair. The report noted significant defects including holes in the bottom and sides as well as areas of pipe deformation.

A 130 metre section of pipe was replaced in 2005 as an integrated project with the Lock 4 condominium development.

The plan is to replace, rehabilitate or daylight the remaining sections of pipe over time and to integrate with planned green space development, as part of the Canal Greenway Project, and therefore the time frames for this future work is not known at this time.

DISCUSSION

Staff recommends that temporary measures be taken to ensure the structural integrity of the pipe until the permanent rehabilitation measures can be completed. The purpose of this tender is to implement these temporary measures.

Tenders were called on April 22, 2006 and closed on May 5, 2006. The following bids, exclusive of taxes, were received:

	<u>Bid Price</u>
1. Silco Contracting Limited	\$193,000.00
2. Amber Contracting Limited	\$193,800.00
3. J.R. Eisener Contracting Limited	\$471,891.00

The scope of work for this tender generally consists of the repair of the invert (bottom) of the 2700 mm diameter pipe at various points along its length, repair of holes in the sides of the pipe and repair of the invert of a 600 mm diameter connecting pipe. The work will be conducted inside a confined space (the 2700 diameter pipe). Dewatering of the pipe as well as flow control from Sullivan's Pond will be required to complete the work.

It is anticipated that work will commence within two weeks of the tender award, pending sufficiently dry weather conditions to allow management of flows from upstream. The project is scheduled to last three weeks.

This is a **UNIT PRICE** contract and the cost will be dependent upon the actual quantities approved by the HRM Project Manager.

There are no Local Improvement Charges associated with this work.

The lowest bid received from Silco Contracting Limited has met all the tendering requirements and therefore staff recommends the award of Tender No. 06-356, Sullivan's Pond Outlet Pipe - CSP Repairs, to Silco Contracting Limited.

BUDGET IMPLICATIONS

Based on a total project cost of \$236,646 (including net HST), a portion of the required funding is available in the Approved 2006/07 Capital Budget from Account No. CSI00706, Sullivan's Pond Outlet Pipe Rehabilitation, Dartmouth. The budget availability has been confirmed by Financial Services.

Capital Account No. CSI00706, Sullivan's Pond Outlet Pipe Rehabilitation, Dartmouth

Cumulative Unspent Budget	\$ 1,371
Approved 06/07 Budget	\$100,000
06/07 Capital Budget Increase Amount	\$135,275
Less: Tender 06-356	\$199,618*
Less: Testing and Unforeseen Costs	\$ 19,962
Less: Consulting Eng. Serv.	<u>\$ 17,066</u>
Balance of Account	\$ 0

*This work was originally budgeted at \$100,000. Much of this increased cost is associated with higher than expected costs for the required dewatering, flow control and work in a confined space mentioned above.

FINANCIAL MANAGEMENT POLICIES/BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation. If approved, this will increase the 2006/2007 Capital Budget.

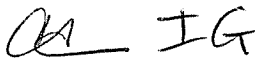
ALTERNATIVES

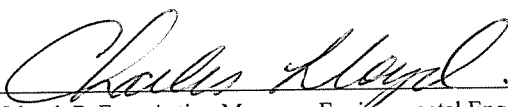
Council could choose to not award the work. Staff does not recommend this alternative as the pipe is currently not in a satisfactory condition to handle major storm events. Should the pipe fail during a major storm event, it is likely that significant flooding, risk to public safety, and damage would occur in the downtown Dartmouth area between Sullivan’s Pond and Halifax Harbour.

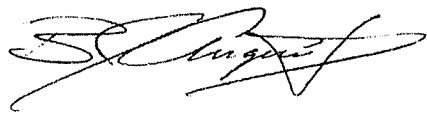
ATTACHMENTS

Figure 1 showing Sullivan’s Pond Outlet Pipe system.


A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/agenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.


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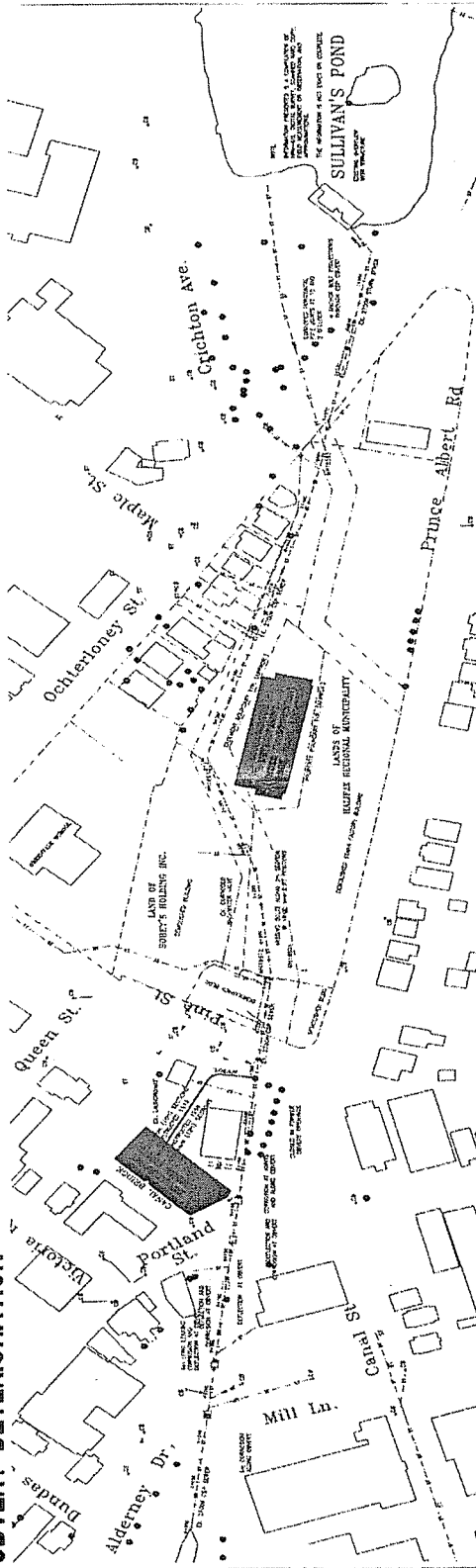
Financial Review:  Ferdinand Makani, C.M.A., Financial Consultant at 490-6902

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SULLIVAN'S POND OUTLET PIPE

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OBVERT DETERIORATION



INVERT DETERIORATION

