

REGION OF OTTAWA CARLETON
 RÉGION D'OTTAWA CARLETON

REPORT
 RAPPORT

Our File/N/Réf. **50 63-LT-2013**
 Your File/V/Réf.

DATE 09 June 1999

TO/DEST. Co-ordinator
 Corporate Services and Economic Development Committee

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **MICHAEL SNOW DISPOSAL FACILITY/SOUTH CYRVILLE
 DRAIN IMPROVEMENTS -
 CONTRACT VARIATION NO. 97-823**

DEPARTMENTAL RECOMMENDATION

That the Corporate Services and Economic Development Committee approve an increase in the authority to Contract No. 97-823, Michael Snow Disposal Facility/South Cyrville Drain Improvements in the amount of \$300,135.00, bringing the revised total contract provision to \$3,410,668.

BACKGROUND

The Chief Administrative Officer, under delegated authority, approved Contract No. 97-823 Michael Snow Disposal Facility/South Cyrville Drain Improvements on 02 October 1997.

The construction of the Michael Snow Disposal Facility is part of a phased implementation of a strategic plan for the location, acquisition and development of snow disposal facilities to service existing and developing urban areas within the Region.

The South Cyrville Municipal Drain, which is a “municipal drain” under the *Drainage Act*, is located immediately north of the Michael site access road. Future storm sewer installations in the Cities of Ottawa and Gloucester, as well as adjacent property drainage limitations, dictated the realignment and lowering of this drain by approximately one metre. This work was completed as part of the Michael Snow Disposal Facility construction.

DISCUSSION

During the realignment and lowering of the South Cyrville Drain, unstable soil conditions were encountered. As a result, the major erosion control item of work (i.e. armour stone wall) was increased to protect these soils from high flow velocities and to prevent uncontrolled flows down the slopes of the drain. As well, this additional work was undertaken to reduce the negative impact on downstream receiving waters including Green's Creek and the Ottawa River.

This additional cost for this work was as follows:

Item 9 Armour Stone Wall	\$ 114,000.00
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During on-site drainage related construction work, contaminated materials were encountered in the overburden along the banks of the South Cyrville Drain. Consequently, a thorough investigation and confirmatory sampling (i.e. soil and water) was undertaken along the exposed banks of the drain in conformance with Ministry of Environment regulations.

As directed by the on-site consulting engineer's (Robinson Consultants Inc.) work plan, the contaminated materials were thoroughly excavated, stockpiled on site and finally removed off site to an approved disposal facility.

The additional cost for this work was as follows:

Removal of toxic material	\$93,000.00
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The Michael Snow Disposal Facility is strategically located to serve a large snow removal catchment area including the City of Ottawa downtown core. During snow removal operations it is important that snow hauling trucks have a sufficient access and egress at the site entrance to ensure safety and productivity.

During the 1998/99 winter season, truck traffic congestion frequently occurred at the entrance to this facility due to the insufficient lane widths and turning radii. Geometric improvements are required to mitigate the negative impact of these traffic volumes during future removal/disposal operations.

The additional cost for this work is as follows:

Site entrance modifications	\$15,000.00
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The Michael Snow Disposal Facility is constructed with a meltwater management facility (MMF) to remove suspended solids from the surface water/meltwater prior to discharge to a watercourse. This technique is currently in use at two other Snow Disposal Facilities (Conroy and Industrial) and is the preferable alternative to meet environmental, economic and social concerns related to snow disposal.

During the 1998/99 snow disposal season, on-site disposal operations were disrupted due to drainage problems on site. These design problems reduced site storage capacity, increased traffic congestion, restricted drainage flows to the meltwater ponds and reduced blower operations.

Departmental staff have discussed these matters with the both the engineering consultants (Robinson Consultants Inc.) and City of Ottawa staff who operate the site under a service agreement with the Region.

Specific drainage modifications and improvements are required before the start of the 1999/2000 snow disposal season to ensure that the treatment of the surface water runoff meets the objective of reasonable cost and simple maintenance requirements (Best Management Practices).

The additional cost for this work is as follows:

Drainage Modifications and Improvements	\$ 33,000.00
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CONSULTATION

A comprehensive public consultation programme was carried out for this project in conformance with the Region's Public Consultation Policy.

Two rounds of public consultation were completed.

The first round presented the objectives and provided specific information about the Engineering and Environmental Review. The second round presented the conceptual alternative designs and the recommended alternative. The public was invited to participate in the Review by calling or writing to one of the two project representatives.

An invitation to participate was published in the three daily papers and three community papers. In addition, flyers were distributed to all residents and businesses in the area bounded by the Queensway, Cyrville Road, Hwy 17, Innes Road and St. Laurent Boulevard.

Notification letters were sent to all Regional Councillors, all Regional Departments, the Cities of Ottawa and Gloucester, the appropriate Members of Parliament and the Provincial Legislature.

All residents and businesses in the surrounding area were mailed an information flyer which described the anticipated operation of the Michael Snow Disposal Facility.

Concerns expressed by the respondents were recorded and considered in the selection of the preferred site design and in the proposed operation procedures.

EXPENDITURE JUSTIFICATION

The Michael Snow Disposal Facility (approximately 1.1 million cubic metre capacity) is strategically located within a large catchment area including the core area of the Region.

Physical improvements are required to improve the operational efficiency of this site and to ensure compliance with planning and environmental controls as stipulated by federal, provincial and municipal legislation and guidelines.

The requested contract variation of \$280,500.00 contains a 10% contingency allowance of \$25,500.00, plus an allowance of \$19,635.00 for GST bringing the total requested to \$300,135.00.

FINANCIAL STATEMENT

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Approved Budget to Date	4,883,000
Total Paid and Committed	<u>(4,488,033)</u>
Balance Available	394,967
THIS REQUEST	<u>(300,135)</u>
Balance Remaining	<u>94,832</u>

Funds have been provided in the 1999 Capital Budget, Account No. 912-33815, (Order No. 900109), Snow Disposal Facilities (Reference page No. 116), Purchase Requisition No. 10006050.

*Approved by
M. J. E. Sheflin, P. Eng.*

GZ/ms

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by T. Fedec
on behalf of the Finance Commissioner*