

Agenda Item # Page #

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| TO: | CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JANUARY 23, 2012 |
| FROM: | RON STANDISH, P.Eng. DIRECTOR, WASTEWATER AND TREATMENT PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES |
| SUBJECT | MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT STUDY FOR PINCOMBE DRAIN STORM/DRAINAGE, STORMWATER MANAGEMENT SERVICING AND DRAIN RESTORATION WORKS |

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| RECOMMENDATION |
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That, on the recommendation of the Director, Wastewater and Treatment, Planning, Environmental and Engineering Services, the following action **BE TAKEN** with respect to the Municipal Class Environmental Assessment (EA) Study Schedule "B" for Pincombe Drain Storm/Drainage, Stormwater Management Servicing and Drain Restoration Works:

- (a) That the Municipal Class EA Schedule "B" Study Report for the Pincombe Drain Storm/Drainage, Stormwater Management Servicing and Drain Restoration Works **BE ACCEPTED** in accordance with the Municipal Class EA process requirements; it being noted that the preferred servicing alternative of the EA Study identifies one on-line regional flood control SWM facility, five off-line regional SWM facilities, restoration/reclamation of approximately 500 lineal meters and channel stabilization of approximately 2600 lineal meters of the Pincombe Drain channel;
- (b) the Mayor and the City Clerk **BE AUTHORIZED** to execute an updated agreement with the Consultant – Stantec Consulting Limited, 171 Queens Avenue Suite 800 London, Ontario, Canada, N6A 5J7, to increase the previously approved engineering fees by \$25,000 including contingency, excluding HST, bringing the upset amount from \$169,100 to \$194,100, excluding HST for the said project in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (c) the financing for this work **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (d) the consulting fees for the project identified in (a) above, **BE IN ACCORDANCE** with the estimate on file, which are based upon the Fee Guideline for Professional Engineering Services, 2006, recommended by the Ontario Society of Professional Engineers;
- (e) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this work;
- (f) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work; and
- (g) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

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| PREVIOUS REPORTS PERTINENT TO THIS MATTER |
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ETC July 19, 2010 Additional Servicing Options Evaluation to Complete Municipal Class EA Study Report for the Pincombe Drain Storm/Drainage, Stormwater Management Servicing and Drain Restoration Works

| Agenda Item # | Page # |
|---------------|--------|
| | |

BACKGROUND

Purpose:

The objective of this report is to recommend that the Municipal Class EA Study Report for the Pincombe Drain Storm/Drainage, Stormwater Management Servicing and Drain Restoration Works be accepted which identifies the preferred servicing option as one on-line regional flood control SWM facility, five off-line regional SWM facilities and restoration/reclamation and channel stabilization of approximately 500 and 2600 lineal metres of the Pincombe Drain channel respectively and to recommend that an increase in engineering fees be authorized to the Consultant for additional effort related to the completion of this project (location map is shown in Appendix B).

Context:

The Pincombe Drain development area is bounded generally by Wonderland Road to the west, Dingman Creek to the south, extending north into the Westmount subdivision and east to the limit of the Bostwick East development area (see location map attached). The total drainage area is approximately 645 hectares (1600 acres).

In 2004, the City of London commenced the Pincombe Master Drainage Plan (PMDP), which was a component of the Bostwick Area Plan completed in 2005. The PMDP identified a general approach that included proposed restoration/reclamation works to the Pincombe Drain and several proposed SWM servicing works considered independent of the conveyance works. The PMDP was received as background study in early 2006 as the plan did not incorporate all SWM criteria and targets of the Dingman Creek Subwatershed Study Update (DCSSU) approved by Council in August 2005.

The DCSSU clearly identified SWM criteria including specific critical design storms, stringent requirements of peak flows and erosion control and SWM storage volume requirements for proposed SWM facilities. The implementation of these targets ensures the development of a sustainable system under existing and post-development conditions for the Dingman Creek main channel and major tributaries including the Pincombe Drain. During the public consultations for DCSSU, the Friends of Dingman Creek and other members of the public were of the opinion that the City should not proceed with the Pincombe Drain EA until the DCSSU was completed.

In November 2006, the City commenced the Pincombe Drain EA to establish the preferred option for restoration/reclamation of the Pincombe Drain and recommend the storm/drainage and SWM servicing works to mitigate proposed land development within the Pincombe Drain catchment area. The City engaged Stantec to complete the Pincombe Drain EA in accordance with the Municipal Class EA process.

The City conducted three (3) Public Meetings at which viable options were initially presented that led to a recommended preferred solution for the proposed channel restoration/reclamation and storm/drainage and SWM servicing works.

The recommended preferred solution for the Pincombe Class EA includes the following:

- 1 On-Line Regional Flood Control SWM Facility to address the conveyance capacity, flood and erosion control requirements for existing and post-development conditions;
- 5 Off-Line Regional SWM Facilities (two existing facilities noted below) to provide water quality, quantity and erosion control and service the proposed land development within the Pincombe Drain area; and
- Restoration/reclamation and channel stabilization for approximately 500 and 2600 lineal meters of the Pincombe Drain Channel respectively to address the existing conveyance and erosion deficiencies.

The SWM facilities provide post development flow control that meet MOE and City requirements for water quality, flood and erosion control for the drainage area, as well as meet the SWM requirements of DCSSU for this tributary and the Dingman Creek main channel. In addition, the discharge from the Pincombe Drain is to coincide with the peak flow discharges from the proposed Dingman Creek Erosion Control SWM Facility and the potential overflows to Dingman Creek from the Wonderland Sanitary Pumping Station. It is noted that currently the proposed

| Agenda Item # | Page # |
|---------------|--------|
| | |

Pincombe Drain SWM Facility #3 is not identified in the Growth Management Implementation Strategy and should be considered under the Urban Works Reserve Fund.

In 2005, the Power Center SWM facility originally constructed in the late 1990's was re-constructed in accordance with the EA objectives (this SWM facility is included in the EA as Pincombe Class EA SWM facility #1). In 2006, the City approved the construction of the Pincombe Drain SWM facility #2 to service Sifton's Andover Trails Subdivision as a temporary SWM Facility. Upon completion and acceptance by the public and approval agencies of the Pincombe Drain EA, this facility will be accepted as the permanent facility and the Ministry of the Environment's Certificate of Approval for the temporary works will be re-issued as a permanent SWM facility.

In December 2009, the City intended to complete the Pincombe Drain EA and deposit this Class EA study for the 30 days mandatory public review period. However, prior to finalizing the EA the City received a request from Greenhills Shopping Centres Limited (SmartCentres) owners of the land at the proposed Pincombe Drain SWM facility #4 location, to explore additional servicing options for this facility. In particular, SmartCentres requested that the City consider relocating the facility and explore the potential to split the facility into two smaller SWM facilities.

Discussion:

At the request of SmartCentres, the City placed the Pincombe Drain EA on hold and in July 2010 engaged Stantec to undertake evaluation of additional servicing options for the proposed Pincombe Drain SWM facility #4. Stantec's evaluation was submitted in November 2010 and recommended that the location of Pincombe Drain SWM facility #4 be moved east of the location in the December 2009 report. City staff supported this updated configuration and undertook further discussion with SmartCentres in early 2011.

On July 27, 2011 SmartCentres advised the City that upon further review of the options for SWM facility #4 they would prefer the alternative and location as originally presented in the December 2009 report. As the recommended preferred alternative was presented to the public no further public consultation was undertaken.

Stantec's consulting fees estimated for the work associated with further review of the options for SWM facility #4 exceeded the additional fees previously approved by Council July 26, 2010. Stantec estimates that the additional beyond what was previously approved are approximately \$25,000. It is the opinion of Planning, Environmental and Engineering Services Department (PEESD) that the fees should be approved as additional effort related to evaluating alternative servicing solutions beyond the previously approved scope of work was completed.

The proposed recommended storm/drainage and SWM servicing options:

- Comply with the Dingman Creek Subwatershed SWM criteria/benefits and environmental targets;
- Optimize the water resource management approach to maintain and integrate the ecological conditions within the Dingman Creek; and,
- Are consistent with the City and MOE's design standards and requirements as well as the requirements of the MOE and the UTRCA.

PEESD recommends the following:

- The Municipal Class EA Study Report for the Pincombe Drain Storm/Drainage, Stormwater Management Servicing and Drain Restoration Works be accepted which identifies the preferred servicing option as one on-line regional flood control SWM facility, five off-line regional SWM facilities and restoration/reclamation and channel stabilization of approximately 500 and 2600 lineal meters of the Pincombe Drain channel respectively.

Conclusion:

In November 2006, the City commenced the Pincombe Drain EA to establish the preferred option for restoration/reclamation of the Pincombe Drain and recommend the storm/drainage and SWM servicing works to mitigate proposed land development within the Pincombe Drain catchment area. At the request of SmartCentres in January, 2010, the City placed the Pincombe Drain EA on hold and in July 2010 engaged Stantec to undertake evaluation of additional servicing options for the proposed Pincombe Drain SWM facility #4. On the basis of Stantec's further evaluation in late July 2011 SmartCentres advised the City of their preferred location for the proposed Pincombe Drain SWM facility #4.

| Agenda Item # | Page # |
|---------------|--------|
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Staff recommend that the Municipal Class EA Study Report for the Pincombe Drain Storm/Drainage, Stormwater Management Servicing and Drain Restoration Works be accepted which identifies the preferred servicing option as one on-line regional flood control SWM facility, five off-line regional SWM facilities and restoration/reclamation and channel stabilization of approximately 500 and 2600 lineal meters of the Pincombe Drain channel respectively.

Next Steps:

Upon acceptance by Council:

- 1) The study report will be filed for review by the public and governing review agencies in order to complete the public review portion of the Class EA process.
- 2) A “Notice of Completion” be published identifying that the study report is available for public review for the mandatory 30 calendar days.
- 3) Stakeholders are encouraged to provide input and comments regarding this study during this time period.
- 4) Should stakeholders feel that issues have not been adequately addressed, they provide written notification within the 30-day review period to the Minister of the Environment requesting further consideration. This process is termed a “Part II Order” (formerly known as a Bump-Up Request).
- 5) Subject to no requests for a Part II Order being received, the project will be in a position to move forward to the design and construction stages in accordance with the recommendations of the study and in accordance with the expected timelines of the City’s Growth Management Implementation Strategy.

Acknowledgements:

This report was prepared within the Planning, Environmental Engineering Services Department, Stormwater Management Unit by Billy Haklander, P.Eng., Environmental Services Engineer.

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| SUBMITTED BY: | RECOMMENDED BY: |
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| BERTA KRICKER, M.Eng., F.E.C., P. Eng. MANAGER OF STORMWATER STORMWATER MANAGEMENT UNIT | RON STANDISH, P.ENG. DIRECTOR, WASTEWATER AND TREATMENT – PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES |
| REVIEWED & CONCURRED BY: | |
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| PAT MCNALLY, P.ENG. EXECUTIVE DIRECTOR OF PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES | |

January 18, 2012

Attach: Appendix “A” – Sources of Financing
Appendix “B” – Location Map

c.c. John Braam, City Engineer
John Freeman, Manager of Purchasing and Supply
Mary Goss, Budget Analyst
Stantec Consulting Limited