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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 23, 2015
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER T15-04 2015 GROWTH MANAGEMENT IMPLEMENTATION STRATEGY (GMIS) SOUTHWEST AREA TRUNK SANITARY SEWER - PHASE 1

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the follow actions **BE TAKEN** with respect to the award of contracts for construction of Phase 1 of the Southwest Area Trunk Sanitary Sewer:

- (a) the bid submitted by Bre-Ex Construction Inc., 247 Exeter Road, London, ON, N6L 1A5, at its tendered price of \$8,190,078.35, excluding H.S.T., for the construction of Phase 1 of the Southwest Trunk Sanitary Sewer, **BE ACCEPTED**; it being noted that the bid submitted by Bre-Ex, was the lowest of five bids received and meets the City's specifications and requirements in all areas;
- (b) AECOM Canada Limited, **BE AUTHORIZED** to carry out inspection and contract administration for the said project in accordance with the estimate on file, at an upset amount of \$526,460.00, including contingency and excluding H.S.T., based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, noting that this firm completed the engineering design for this project;
- (c) the financing for the project **BE APPROVED** in accordance with the "Sources of Financing Report" attached hereto as Appendix "A";
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (e) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract for this project (Tender 15-04); and
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- 2014-05-12 Southwest Area Trunk Sanitary Sewer Detailed Design: Appointment of Consulting Engineer: Phase 1 – Wonderland Road South (Dingman Drive to Wharncliffe Road South) & Hamlyn Street (Wonderland Road South to Campbell Street)
- 2014-02-03 Notice of Completion of the Southwest Area Sanitary Servicing Master Plan: Municipal Class Environmental Assessment for the Southland Wastewater Treatment Plant and Proposed Sanitary Servicing of the Southwest Area (ES5260)

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BACKGROUND

Purpose:

This report recommends the award of a tender to a contractor and continuation of consulting services for the construction of the Southwest Area Trunk Sanitary Sewer - Phase 1 (refer to Appendix B).

Wonderland Road South (Dingman Drive to Hamlyn Street)	SS14A
Hamlyn Street (Wonderland Road South to Campbell Street)	SS3A

Context:

Phase 1 of the Southwest Trunk Sanitary Sewer has been identified in both the Growth Management Implementation Strategy (GMIS) and 2014 Development Charges Background Study with a scheduled construction timeline of 2015. The Phase 1 project will establish an important municipal sanitary servicing linkage to Lambeth and surrounding neighbourhoods which will allow for growth opportunities and development in the westerly portion of the Southwest Area Plan.

The works consist of installation of 2,150 metres of deep trunk sanitary sewer on Wonderland Road South and Hamlyn Street, construction of storm sewer and curb and gutter on the westerly portion of Hamlyn Street, replacement and extension of watermain on Hamlyn Street, and associated restoration works for the project.

This report represents the continuation of work completed to date, discussion of tender results, and staff recommendations for construction.

Discussion:

Phase 1 of sanitary sewer construction is scheduled to commence in April 2015 and will take the majority of the construction season to complete. The work will progress from the intersection of Wonderland Road and Dingman Drive, and extend northerly within the west boulevard of the Wonderland Road right-of-way to Hamlyn Street, and extend westerly within the Hamlyn Street right-of-way to Campbell Street. Phase 1 of the trunk sanitary sewer extension will end at the limit of Campbell Street. Future sewer phases will extend the sanitary sewers further beyond this limit in accordance with GMIS.

Infrastructure replacement needs have been coordinated among Wastewater and Drainage Engineering, Water Division, Transportation Division, and Construction Administration for efficient use of funds during construction.

Southland Wastewater Treatment Plant:

The extension of the sanitary trunk sewer to the intersection of Campbell Street and Hamlyn Street will allow for the decommissioning of the Southland Wastewater Treatment Plant and its conversion to a pumping station. Decommissioning of the Southland Wastewater Treatment Plant will reduce the City's operating treatment costs.

Traffic Impacts:

Construction activities will require a five day closure of Wonderland Road South (Monday to Friday) between Hamlyn Street and Dingman Drive in order to extend deep sewers across Wonderland road at two locations. The contract documents include contractor financial incentives and disincentives to encourage prompt reopening of Wonderland Road. The contractor will be permitted to take advantage of extended working hours and night work to ensure the work is completed within the specified time frame. Traffic will be temporarily re-routed to the closest major routes during this period. Overall, the westerly right-of-way alignment of the trunk sanitary sewer on Wonderland Road reduces construction cost and impact to traffic. Two-way traffic will be maintained on Wonderland Road with the exception of the permitted five day road closure.

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Deep sewer construction dictates a complete reconstruct of Hamlyn Street which will restrict street access to local traffic. In order to minimize inconvenience to residents and businesses, the work on Hamlyn Street will progress in stages to ensure orderly progression of construction up to a suitable level by the contractor prior to commencing onto the next stage. Hamlyn street residents and businesses will be kept apprised through daily communications of activities that will have impact on property access and possible disruptions.

Public Consultation:

The Southwest Area Sanitary Servicing (SASS) Master Plan engaged residents, local businesses, and land developers in the study area through notices, two public meetings and individual stakeholder meetings.

In late 2014, during the detailed design phase, a public meeting was held with immediately bordering residents, businesses, and interested stakeholders to discuss project details and identify any potential concerns with the project. During the consultation process, several area residents identified a possible concern with how the project would impact their private wells. In the detailed design phase, a hydrogeological investigation, undertaken by a qualified geotechnical consultant, confirmed no significant risk associated with the proposed construction and temporary dewatering on the availability of groundwater in the area. In order to be proactive on this concern, qualified professionals will closely monitor groundwater conditions prior to construction, during construction, and post construction. Best management measures have been implemented in design and temporary water will be made available in the unlikely event shallow private wells are temporarily negatively impacted during construction.

Once the watermain has been extended on Hamlyn Street, properties currently on well may choose to voluntarily connect to the municipal water system subject to paying water Frontage Charges and the cost to construct the water service from the watermain on the street to property line consistent with the City's By-laws.

Property owners within the project limits also have an opportunity to take advantage of the City's Private Drain Connection (PDC) program which allows existing privately serviced properties on septic system the opportunity to obtain a PDC at a subsidized cost to set up servicing for a future connection to the municipal sanitary sewer. Sanitary Frontage Charges and Private Drainage Connection (PDC) charges will apply consistent with the City's By-laws.

Tender Summary:

Five (5) contractors submitted tenders on the project with the tender prices listed below (excluding H.S.T.). Tenders for this project were opened on Wednesday, February 11, 2015.

CONTRACTOR		TENDER PRICE SUBMITTED	CORRECTED TENDER PRICE
1.	Bre-Ex Construction Inc.	\$8,190,078.35	--
2.	L82 Construction Ltd.	\$8,922,284.80	--
3.	Omega Contractors Inc.	\$9,697,496.58	--
4.	Amico Infrastructures Inc.	\$10,067,074.70	--
5.	Blue-Con Construction	\$12,346,067.10	12,345,972.00

All tenders have been checked by the Environmental and Engineering Services Department and the City's consultant, AECOM. One of the submitted tenders was found to contain a mathematical error, but was not the low bidder.

The tender estimate prior to tender opening was \$8,700,432.80, excluding H.S.T. The low tender is approximately 6 per cent below the tender estimate suggesting a competitive environment. All tenders include a contingency allowance of \$700,000.00, excluding H.S.T.

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Minor future additional annual operating costs of \$1,000.00 are anticipated as a result of this project, noting that these costs are attributed to new infrastructure installation and can be accommodated within future City operating budgets.

Consulting Services:

Council awarded AECOM the detailed design of Phase 1 in May 2014. AECOM has subsequently submitted a proposal to carry out the inspection and contract administration services portions of work. In accordance with Section 15.2 (g) of the City of London’s Procurement of Goods and Services Policy, staff recommend that AECOM be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$526,460.00, including contingency and excluding H.S.T, noting the upset amount for total engineering services for Phase 1 is \$926,386.00, including contingency, excluding H.S.T.. AECOM has extensive background knowledge of Phase 1 works and is best equipped to carry out engineering duties during construction.

Conclusions:

It is recommended that the construction contract be awarded to Bre-Ex Construction Inc. to achieve project objectives within the established available budget. It is further recommended AECOM undertake the contract administration and inspection services during construction as it represents good value to the City.

Acknowledgements:

This report was prepared within the Wastewater and Drainage Engineering Division by Erik Veittiaho, P.Eng.

SUBMITTED BY:	REVIEWED & CONCURRED BY:
TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING	JOHN LUCAS, P.ENG. DIRECTOR OF WATER AND WASTEWATER & TREATMENT
RECOMMENDED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER	

March 18, 2015
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Attach: Appendix A – Sources of Financing
Appendix B – Location Figure

- c.c. Bre-Ex Construction Inc.
- AECOM Canada Ltd.
- Pat Shack, Budget Analyst
- Doug MacRae, Division Manager of Transportation
- Justin Lawrence, Division Manager of Construction Administration

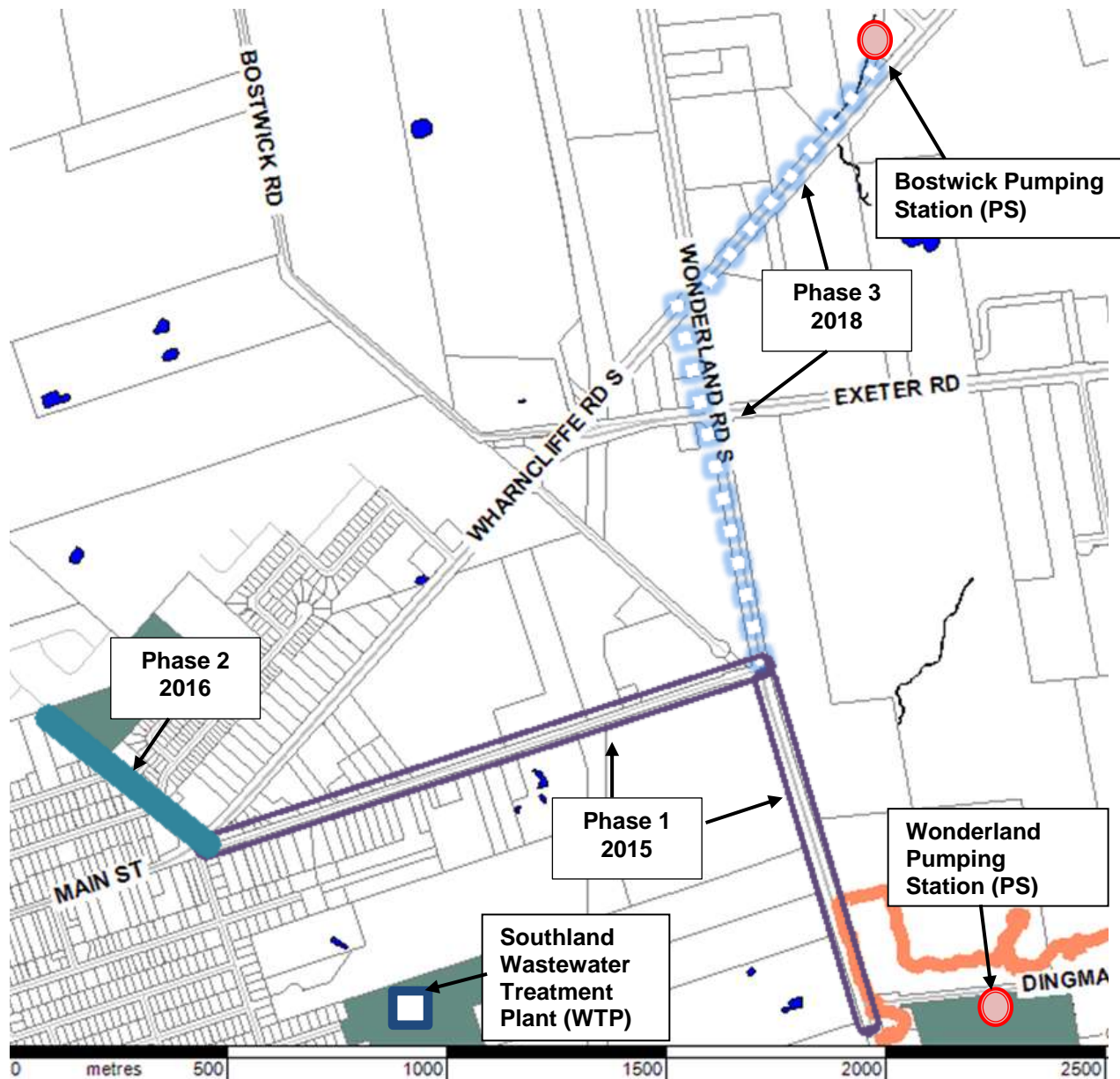
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APPENDIX A
Sources of Financing

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APPENDIX B
Figures

Figure A: Location



- Hamlyn Street and Wonderland Road South Sanitary Sewer Project Limits (Phase 1)
- Campbell Street Project Limits (Phase 2)
- Wonderland Road South and Wharnccliffe Road South Project Limits (Phase 3)
- Pumping Station
- Wastewater Treatment Plant