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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 19, 2012
FROM:	JOHN BRAAM, P. Eng. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	2012 CATHODIC PROTECTION PROGRAM EW3765-12 TENDER No. 12-48

RECOMMENDATION

That, on the recommendation of the Acting Executive Director, Planning, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the awarding of the 2012 Cathodic Protection Program:

- (a) the price submitted by Global Cathodic Protection Inc., 2212 Taunton Road, Hampton Ontario L0B 1J0 was the lowest of 2 bids received at its price of \$309,221.00 (excluding H.S.T.) for the 2012 Cathodic Protection Program **BE ACCEPTED**; it being noted that this is the first year of a three year annual contract where at the sole discretion of the City a subsequent term may be approved for two (2) additional one (1) calendar years to November 1, 2014 where the option shall be fully completed and ended.
- (b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (d) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order for the work to be done and the materials to be supplied on this project; and
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

It **BEING NOTED** that there are no anticipated additional annual operating costs to the Environmental and Engineering Services budget in 2012 and subsequent years associated with the approval of this project. It is anticipated that this project will actually provide a savings to Water Operations by decreasing the amount of maintenance required on these cathodically protected sections of watermains. Operations will then be able to focus their resources on distribution system challenges including watermain flushing, valve maintenance, and lead service replacements elsewhere in the City.

PREVIOUS REPORT(S) PERTINENT TO THIS MATTER
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The report (s) noted below can be found at:
<http://council.london.ca/meetings/Archives/Agendas/Board%20Of%20Control%20Agendas/Board%20of%20Control%20Agendas%202010/2010-09-29%20Agenda/Item%202.pdf>

BOC Meeting on September 29, 2010, Agenda Item #2 - 2010 Cathodic Protection Program, Project No. EW 3765.

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BACKGROUND

The 2012 Cathodic Protection Program is included in the 2012 Water Capital Works Budget.

In order to extend the life of portions of the underground infrastructure, the City regularly installs sacrificial anodes on existing ductile iron (DI) watermain to prevent corrosion that has been accelerated by highly corrosive soils. The benefit of this work is the assurance that the water servicing to homes and businesses, as well as essential fire protection, will be maintained. By significantly reducing the rate of corrosion, the life of the pipe is dramatically extended, and also reducing watermain breaks and lost water. This rehabilitation method is very cost effective, with minimal construction impact to homeowners and the travelling public compared to watermain replacement.

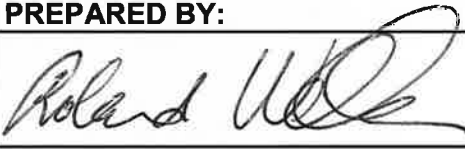
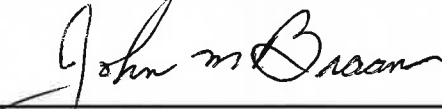
In 2012, 12.4 km of DI watermain will be protected under this contract. This work is one part of our ongoing pipe rehabilitation programs and consists of the installation of sacrificial anodes on DI watermain on the following streets: Adelaide Street South, Newbold Street, Towerline Place, Micro Court, Invicta Court, Consortium Court, Progress Drive, Enterprise Drive, Hubrey Road, Commissioners Road, Pond Mills Road, Deveron Crescent, Burlington Crescent, Lysanda Avenue, Lysanda Court, Lochern Road, Worthington Road, Edmund Crescent, Glenroy Road, Glenroy Court, Glenroy Crescent, Roundhill Court, Edgemere Crescent, Edgemere Court, Sunridge Crescent, Sunridge Court, Banbury Road, Millridge Court, Millridge Road, Millmead Road, Millers Road, Millers Place, Wharncliffe Road South and Buchanan Court.

Of the 346 km of DI remaining in service in 2011, 86 km is cathodically protected and 82 km is encased with polyethylene resulting in 49% being protected. With the 20-12 program more than 52% of the DI pipe will be protected.

The construction schedule for the work has the construction commencing around July, 2012 with thirty (30) working days allowed to substantially complete the project.

The original tender included a contingency allowance of \$25,000.00 (excluding H.S.T.). The bidders were pre-qualified and two (2) bids were received. The other bidder was 1460973 Ontario Limited o/a C.P. Systems with a bid of \$327,840.00 (excluding H.S.T.).

This report has been prepared with the assistance of Bob Moore, Technologist II, Water Engineering.

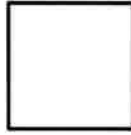
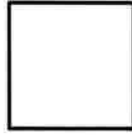
PREPARED BY:	RECOMMENDED BY:
	
ROLAND WELKER, P.ENG. DIVISION MANAGER WATER ENGINEERING	JOHN BRAAM, P.ENG. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER

June 5, 2012

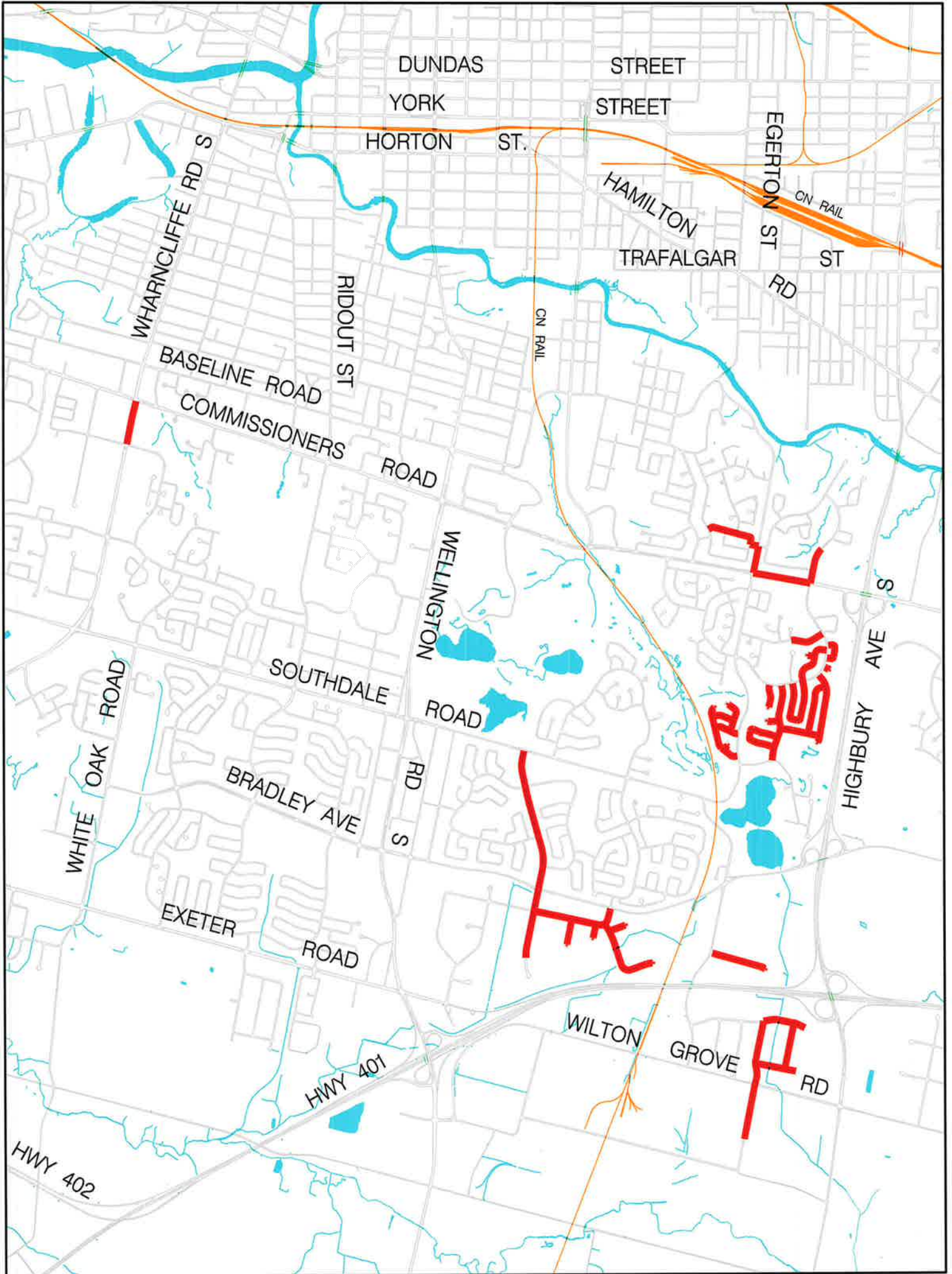
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Attach: Appendix "A" - Sources of Financing
Appendix "B" - Reference Map

cc: Global Cathodic Protection Inc.



APPENDIX "B"



REFERENCE MAP

ENVIRONMENTAL AND ENGINEERING SERVICES DEPARTMENT CITY OF LONDON



FILE NO.

DATE : 12/05/24

ANODE INSTALLATION LOCATIONS