

COMMITTEE OF THE WHOLE - NOVEMBER 18, 2002

REVISION TO CONTRACT T02-097 FOR ADDITIONAL GRANULAR ROAD BASE REQUIRED ON LONGBRIDGE AVENUE

Recommendation

The Commissioner of Engineering and Public Works in consultation with the Director of Purchasing Services and the Director of Reserves and Investments recommends:

That Contract T02-097 (Uplands Area Watermain Replacement and Road Reconstruction - Phase I) be increased in the amount of \$90,000 plus G.S.T. to provide additional depth of granular road base where required on sections of the Longbridge Avenue road reconstruction.

Purpose

To seek Council approval to extend Contract T02-097 in order to place additional granular material to stabilize the road base where unanticipated ground conditions were encountered.

Background - Analysis and Options

Contract T02-097 was awarded to Direct Underground on July 30, 2002 (Summer Hiatus/Tender Approval By-law 332-98, refer to Attachment 1), and includes watermain, storm sewer and curb replacement; installation of road drainage and full road reconstruction. Work commenced in September and is scheduled to be completed to base asphalt this fall.

As the work has progressed, it has become apparent that the native soil material cannot be used as watermain and storm sewer trench backfill under the road, due to its moisture content. The native material must be removed by an additional depth of 0.25m (10 inches) across the width of the road and replaced with imported granular material along 850m of Longbridge Avenue, together with the addition of a "geo-grid" reinforcing mat. This will provide an adequate road base.

These conditions could not be anticipated at the design and tender stages of this project. The estimated cost of the additional materials required is \$90,000 plus G.S.T. Given the magnitude of this additional cost, it is not appropriate to use the contingency funds, rather, the contract should be extended. Adequate funds are available in Capital Project 1269-2-02.

Conclusion

Contract T02-097 should be extended in the amount of \$90,000 plus G.S.T. to provide additional depth of granular road base where required on sections of Longbridge Avenue road reconstruction.

Attachments

1. Location Map

Report prepared by

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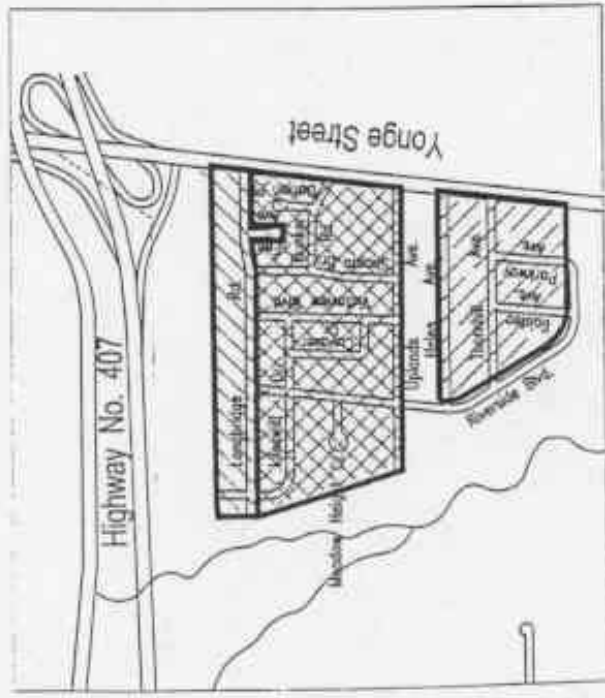
Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

RB:MC



**PROPOSED CONSTRUCTION SCHEDULE FOR THE
THORNHILL-UPLANDS AREA**



PHASE I - 2002

LONGBRIDGE ROAD
FEE AVENUE

- Watermain Replacement
- Storm Sewer Replacement
- Sanitary Sewer Repairs
- Road Reconstruction

PHASE II - 2003

EDLESWIFT DRIVE
MEADOW HEIGHT CRESCENT
UPLANDS AVENUE
CAVALIER CRESCENT
VISTAVIEW BOULEVARD
RIVERSIDE BOULEVARD
SHASTA DRIVE
BUNKER ROAD
DORIAN PLACE

- Watermain Replacement
- Storm Sewer Replacement
- Sanitary Sewer Repairs
- Road Reconstruction

* WATERMAIN WAS REPLACED IN 2000/2001
NO FURTHER ACTION REQUIRED ON WATERMAIN

PHASE III - 2004

HELEN AVENUE
THORNHILL AVENUE
FARLEA AVENUE
PARKWAY AVENUE

- Storm Sewer Replacement
- Sanitary Sewer Repairs
- Road Reconstruction