

COMMITTEE OF THE WHOLE – SEPTEMBER 3, 2002

CLASS ENVIRONMENTAL ASSESSMENT MAPLE PRESSURE DISTRICT SEVEN TRUNK WATERMAIN NETWORK

Recommendation

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

1. That a Class Environmental Assessment be undertaken for the proposed Pressure District Seven Trunk Watermain Network that is primarily required to service development within Vellore Urban Village One of OPA 600 west of Highway 400 subject to the Block 33 West Landowners Group up-front financing the cost of the study;
2. That a by-law be enacted authorizing the Mayor and Clerk to execute an agreement with the Block 33 West Landowners Group with respect to the up-front financing of the cost associated with the Class Environmental Assessment for the Pressure District Seven Trunk Watermain Network; and
3. Notwithstanding the City's Purchasing Policy and Procedures, that the City retain the consulting engineering firm of URS Cole, Sherman & Associates Ltd. to undertake the Class Environmental Assessment for the Pressure District Seven Trunk Watermain Network at an estimated engineering services fee of \$80,000, and that the Mayor and Clerk be authorized to sign an engineering services agreement with URS Cole, Sherman & Associates Ltd. for this work.

Purpose

To seek authorization from Council to undertake a Class Environmental Assessment for the proposed Maple Pressure District Seven Trunk Watermain Network needed to service development within Vellore Urban Village One of OPA600, and to retain the engineering firm of URS Cole, Sherman & Associates Ltd. to carry out this engineering study subject to the Block 33 West Landowners Group up-fronting the associated cost.

Background - Analysis and Options

A network of trunk water mains has been planned to service development within Vellore Urban Village One of OPA600 in the Maple Pressure District Seven (PD#7) service area. It is anticipated that this network will include trunk water mains on Teston Road, Weston Road, Jane Street and Major Mackenzie Drive to provide the necessary water supply for the development areas west of Highway 400 as shown on Attachment 1. This network of trunk water mains is considered a growth related project, and is planned to be included in the next update of the Development Charge By-law as a Special Service Area Development Charge.

Vaughan staff is currently reviewing the Block Plan submission for Block 33 West - Weston Highlands. The Master Environmental Servicing Plan for Block 33 West, prepared by URS Cole Sherman, identifies the need to extend the existing PD# 7 trunk watermain on Teston Road westerly from Cranston Park to the proposed north/south primary road (Street A) in Block 33 West to service the initial phases of the development. This trunk watermain will eventually need to be extended further west to service development in Blocks 40/47. It's worth noting that the Region of York has recently undertaken a Class EA study for the proposed York/Peel Feedermain. This study identified the tributary of the East Humber River in the vicinity of Weston Road and Teston Road (locally known as the Purpleville Creek) as an environmentally sensitive cold water stream. The Region's Class EA therefore concluded that the preferred alignment for the proposed York/Peel Feedermain should traverse the Block 33 West development area to

avoid a sensitive stream crossing of the Purpleville Creek on Teston Road. Given this information, it is anticipated that the City's will face these same environmental constraints when establishing an appropriate alignment for the PD#7 Trunk Watermain extension on Teston Road. Accordingly, there will be a need to investigate alternative alignments to the Teston Road corridor for the City's trunk watermain including through Block 33 West development area. To provide looping and system security to the broader development area west of Highway 400, a trunk watermain is also proposed on Weston Road, Jane Street and Major Mackenzie Drive as shown on Attachment 1.

As part of the normal planning and design process for a large scale watermain project such as this one, a Schedule "B" Class Environmental Assessment (Class EA) planning process as set out in the 2000 Municipal Class Environmental Assessment document will need to be followed to identify any environmental impacts with the undertaking and to establish the best alignment for the watermains. To facilitate the development and servicing of Block 33 West, the Landowners Group has committed to up-front the cost associated with this Class EA study with the understanding that the cost would be credited against their future PD#7 Special Area Development Charge.

Staff would typically seek proposals from qualified engineering consultants to undertake this Environmental Assessment. However, URS Cole, Sherman & Associates Ltd. has prepared the Block 33 West Master Environmental / Servicing Plan (MESP), and has significant local knowledge through similar and related projects in the Teston Road and Major Mackenzie Drive corridors. URS Cole, Sherman is a leading Ontario firm in Environmental Assessment work for municipal infrastructure projects and can work most effectively and efficiently with the Block 33 West Landowners Group to establish the preferred alignment for the PD#7 trunk watermains. In addition, URS Cole, Sherman can commence immediately on the project, which will facilitate meeting the development schedule for Block 33 West. Accordingly, notwithstanding the City's Purchasing Policy and Procedures, Staff recommended that URS Cole Sherman be retained to undertake the Class EA for the proposed Maple PD#7 Trunk Watermain Network subject to the Block 33 West Landowners Group up-fronting the cost of the work.

Conclusion

A network of trunk watermains has been planned to service development within Vellore Urban Village One of OPA600 in the Maple PD#7 service area. As part of the normal planning and design process for this scale of watermain project, a Schedule "B" Class Environmental Assessment planning process will need to be followed. To facilitate the development and servicing of Block 33 West, the Block 33 West Landowners Group has committed to up-front finance the cost of the PD#7 Class EA study. URS Cole, Sherman & Associates Ltd. has prepared the Block 33 West MESP, and has significant local knowledge of the study area. In addition, URS Cole Sherman can work most effectively and efficiently with the Block 33 West Landowners Group to establish the preferred alignment for the PD#7 trunk watermains. Accordingly, it is recommended that URS Cole Sherman be retained to undertake this Class EA subject to the Block 33 West Landowners Group front-ending the cost of the study.

Attachments

1. Location Map

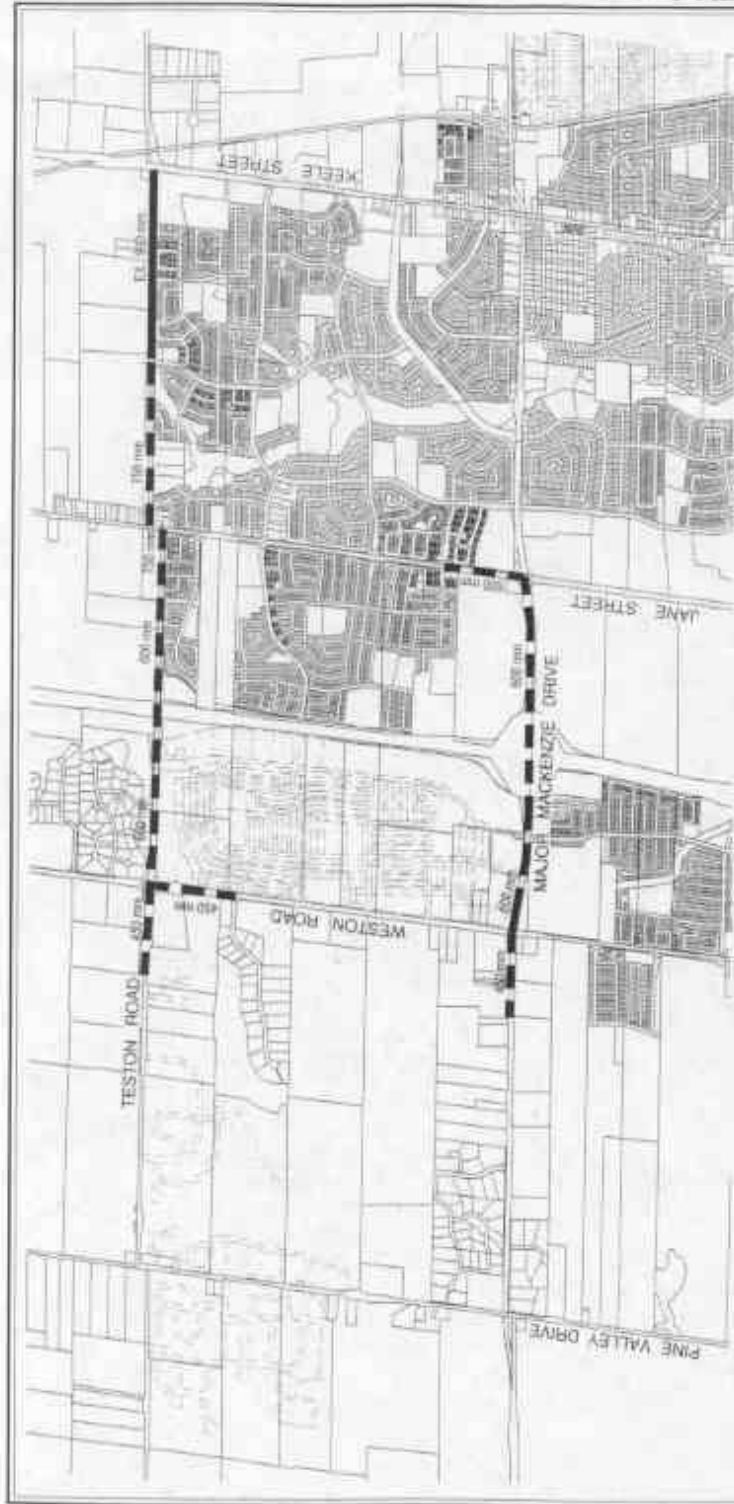
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Respectfully submitted,

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

ATTACHMENT No. 1



CLASS ENVIRONMENTAL ASSESSMENT PRESSURE DISTRICT 7 WEST TESTON / JANE / WESTON / MAJOR MACKENZIE WATERMAINS

- PROPOSED TRUNK WATERMAIN
- EXISTING WATERMAIN



NOT TO SCALE