

## COMMITTEE OF THE WHOLE – OCTOBER 4, 2004

### STORM WATER MANAGEMENT

#### Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That this report BE RECEIVED for information purposes.

#### Purpose

The purpose of this report is to respond to Council's request for information and review of a natural pond located on the south side of Rutherford Road, east of Vaughan Mills Road and a storm water management (SWM) facility, located at the northeast corner of Rutherford Road and Fossil Hill Road.

#### Background - Analysis and Options

Item 98, Report No. 77, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on October 10, 2000, recommended:

**“That staff review and provide a report on the natural pond on the south side of Rutherford Road between Vaughan Mills and Clarence Street, and the storm water retention pond in Block 39, at the corner of Weston Road and Rutherford Road.”**

The natural pond mentioned in the recommendation, located on the south side of Rutherford Road and east of Vaughan Mills Road, is part of a watercourse that flows to the SWM facility located near Avdell Avenue. This facility is addressed in a separate Committee of the Whole report titled “Deputation – Mr. And Mrs. Fallone with Respect to the Storm Water Management Facility Located at Avdell Avenue”, dated October 4, 2004.

The SWM pond that is located in Block 39 at the northeast corner of Rutherford Road and Fossil Hill Road was constructed by Vellore Village Estates Inc. and 536669 Ontario Ltd. as part of the subdivision described by 19T-89024 Phase 1. The pond was designed by Ander Engineering Limited Consulting Engineers.

The water quality and quantity control pond is designed to service stormwater drainage from the southwest portion of Block 39, and accommodates a total drainage area of 159.5 hectares (approx. 394 acres). The facility consists of two forebays for pretreatment of pollutants, such as silt and sand, and the main pond. The designed storage capacity is approximately 15,700 m<sup>3</sup>. The SWM pond was constructed to service the designed drainage area and ultimately received certification as part of the Consultant's Completion Certificate for Assumption of Services, dated September 2, 2003. Council passed assumption of Phase 1 of the subdivision on December 15, 2003, including the SWM facility.

Engineering staff conducted a field investigation of the subject site on September 16, 2004. Excess build-up of silt and unpleasant odours were not present. The amount of insects and weeds around the pond were deemed to be average for such an area. The water level was observed to be slightly higher than normal (due to the heavy amount of rainfall over the summer), however the pond appears to be functioning properly and in accordance with the certified design. As well, the area around the watercourse appears to be maintained, while the grass adjacent to the fence is regularly mowed.

### **Relationship to Vaughan Vision 2007**

This report is consistent with Vaughan Vision 2007, Item 1.1.6, review of the level of enforcement, compliance and monitoring of regulations related to public safety.

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

### **Conclusion**

Based on the above findings, the stormwater management pond has been adequately designed and built to service its drainage area. The pond has been assumed by the City and it appears to be functioning properly. It is currently receiving ongoing maintenance with respect to the buffer area grass cutting and necessary replanting.

### **Attachments**

1. Location Map

### **Report prepared by**

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Respectfully submitted,

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Commissioner of Engineering  
and Public Works

Michael Won, P. Eng.  
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MJ/fc

# ATTACHMENT NO. 1

