

COMMITTEE OF THE WHOLE – OCTOBER 4, 2004

DEPUTATION – MR. AND MRS. FALLONE WITH RESPECT TO THE STORM WATER MANAGEMENT FACILITY LOCATED AT AVDELL AVENUE

Recommendation

The Commissioner of Engineering and Public Works, recommends:

1. That this report BE RECEIVED for information purposes.

Purpose

The purpose is to report back to Council on the adequacy of the design of the storm water management (SWM) facility located at the south side of Avdell Avenue, west of Bush Drive.

Background - Analysis and Options

Item 40, Report No. 58, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on September 9, 2002, recommended:

“That staff provide a report on whether the storm water retention ponds located to the south and north of Avdell Avenue have been adequately designed to serve their purpose.”

The SWM pond located in Woodbridge Neighbourhood 4B North, southwest of Clarence Street and Rutherford Road was constructed in the fall of 1996 by Avdell Developments Inc., the developer of Riverside Estates. The pond was designed by Fred Schaeffer & Associates Consulting Engineers and was approved by the City in March 1995 and by the Metropolitan Toronto and Region Conservation Authority on June 1, 1995.

The stormwater quality control pond is designed to service stormwater drainage from six residential subdivisions - Riverside Estates (19T-89055), P&M Gabriele (19T-90028), Air-Lite Windows Inc. (19T-90027) and Gold Park Woodbridge Developers Inc. - Belvedere Estates Phase 1 (19T-89066), Phase 2 (19T-94037) and Phase 3 (19T-89064) and the office/commercial plaza at the southwest corner of Clarence Street and Rutherford Road (DA.90.072). The pond accommodates a total drainage area of 18.6 hectares (approximately 46 acres). The facility consists of two oval-shaped ditch inlet catchbasins for the pretreatment of pollutants such as silt and sand, and the main pond. The designed capacity is approximately 4430 m³.

Council passed partial assumption of the Riverside Estates subdivision on April 3, 2000. Excluded from the assumption was the SWM pond as it continues to service the remaining uncompleted developing lands. The pond was cleaned out by Avdell Developments Inc. in November 2000. It was cleaned out again by the developer in November 2003.

Engineering staff conducted a site investigation on June 11, 2004. Unpleasant odours were not present, and the amount of insects around the pond was deemed to be average for such an area. Some weeds were present within the pond, but not on the 3-metre grass around the pond strip. The pond appears to be functioning properly and in accordance with the approved design drawings.

The land on the north side of Avdell Avenue contains a watercourse. This open space block is now assumed and is maintained by the City. During a recent site visit, Engineering staff found that it is functioning properly. 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

The stormwater management facility located near Avdell Avenue has been adequately designed and constructed to service its drainage area. It is currently receiving ongoing maintenance with respect to the buffer area grass cutting and necessary replanting. The pond is likely to continue to collect silt due to the ongoing surrounding building construction activity and the sediment loading will decrease over time until the area is fully built out. City staff will instruct the developers to continue to maintain the pond and its surrounding vegetation until it is recommended for guaranteed maintenance.

Attachments

1. Location Map

Report prepared by

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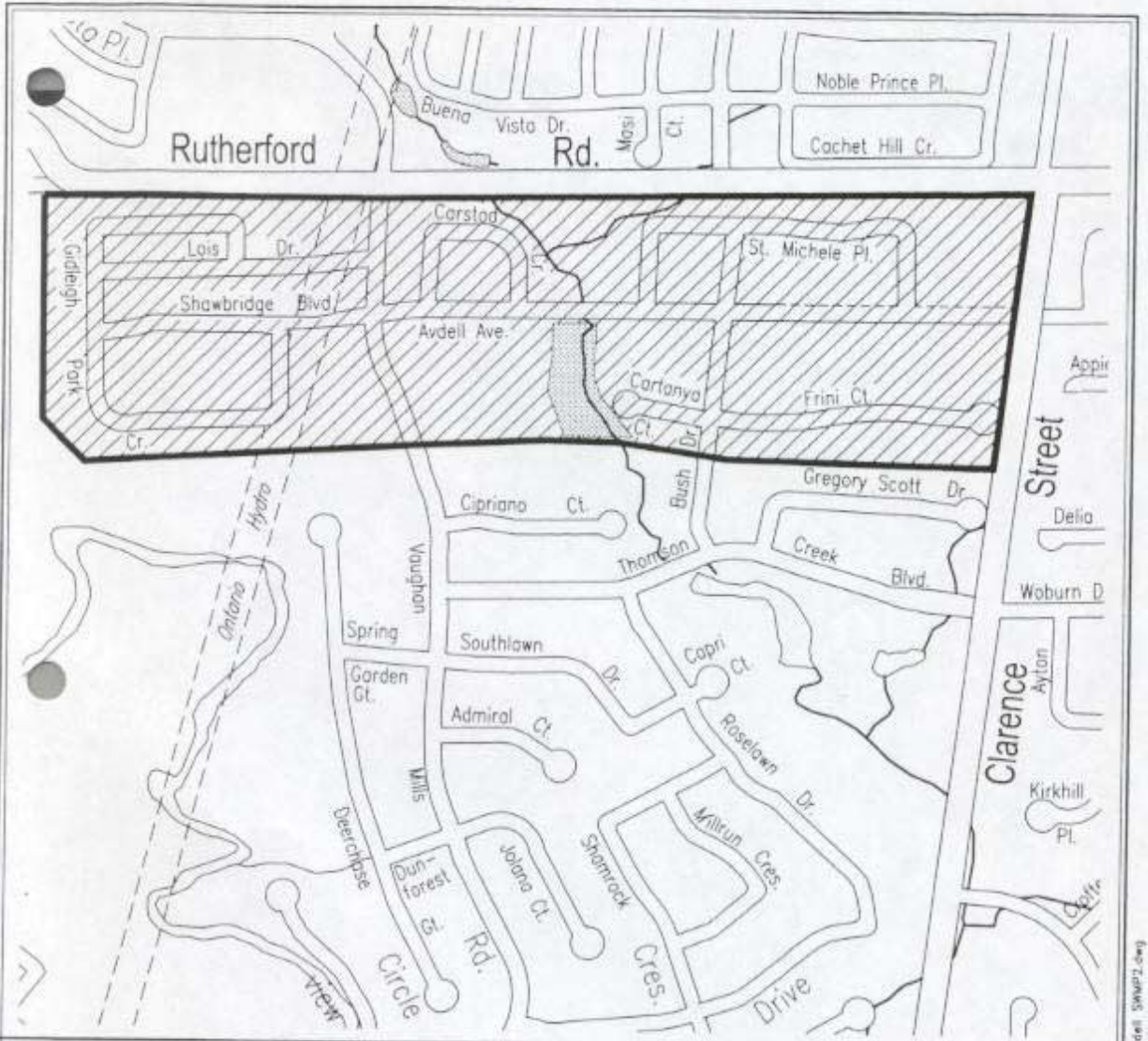
Respectfully submitted,

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

Michael Won, P. Eng.
Director of Development/Transportation
Engineering

MJ/fc




ATTACHMENT No. 1



STORMWATER MANAGEMENT POND AT AVDELL AVENUE

LEGEND

LOCATION : Part of Lot 15, Conc. 8,

-   SUBJECT STORMWATER MANAGEMENT POND
-  STORMWATER MANAGEMENT POND DRAINAGE AREA



NOT TO SCALE

CITY OF VAUGHAN - ENGINEERING DEPARTMENT

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