

COMMITTEE OF THE WHOLE – DECEMBER 3, 2007

**PLEASANT RIDGE AVENUE AND MISTYSUGAR TRAIL / FIRTREE TRAIL
PROPOSED ALL-WAY STOP CONTROL**

Recommendation

The Commissioner of Engineering and Public Works recommends:

That the appropriate by-law be approved for the existing all-way stop control at the intersection of Pleasant Ridge Avenue and Mistysugar Trail / Firtree Trail as the Provincial All-way Stop Warrant is met.

Economic Impact

The costs to maintain the signs and pavement markings would have an impact to future Operating Budgets.

Communications Plan

None.

Purpose

To review the existing All-way stop control at the intersection of Pleasant Ridge Avenue and Mistysugar Trail / Firtree Trail.

Background - Analysis and Options

The Developer had installed an all-way stop control at the intersection of Pleasant Ridge Avenue and Mistysugar Trail / Firtree Trail without the required amendment to By-Law 284-94 City approved Traffic By-law. Engineering Services staff were unaware of this installation until a review of the Comprehensive Traffic By-law was completed and approved by Council in June, 2007. This all-way stop control does not have the required by-law approval. The area is shown in Attachment No.1.

In order to determine the status of the all-way stop, Engineering Services staff conducted a turning movement count on Tuesday, November 6, 2007 at the intersection of Pleasant Ridge Avenue and Mistysugar Trail / Firtree Trail. The times studied in the morning and afternoon peak time periods were 7:00 a.m. to 9:00 a.m., and 3:00 p.m. to 6:00 p.m. On the day of the traffic study the weather was cool and raining. The data collected was compared to the Provincial Warrant for All-Way Stop Control with the following results:

- | | | | |
|---|---------------------------------------|-----------|------|
| • | Warrant 1 – Minimum Vehicular Volumes | Warranted | 125% |
| • | Warrant 2 – Accident Hazard | Warranted | 0% |
| • | Warrant 3 – Sight Restriction | Warranted | 0% |

All-way stop controls are recommended when one of the above warrants are satisfied to 100% or more. There have been no reported collisions from June 2005 through to June 2006 at this intersection susceptible to prevention by implementing all-way stop control. There are no sight restrictions at this intersection. According to the results of the study above, this intersection meets the minimum requirements of the Provincial Warrant.

The required by-law is now required to be approved to formalize the all-way stop control at this intersection.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to identify and implement innovative traffic management alternatives to improve general traffic safety (1.1.3).

This report is consistent with the priorities previously set by Council.

Regional Implications

Not Applicable.

Conclusion

Based on staff's review, it is recommended that the by-law for the existing all-way stop control be amended at the intersection of Pleasant Ridge Avenue and Mistysugar Trail / Firtree Trail.

Attachments

1. Location Map

Report prepared by:

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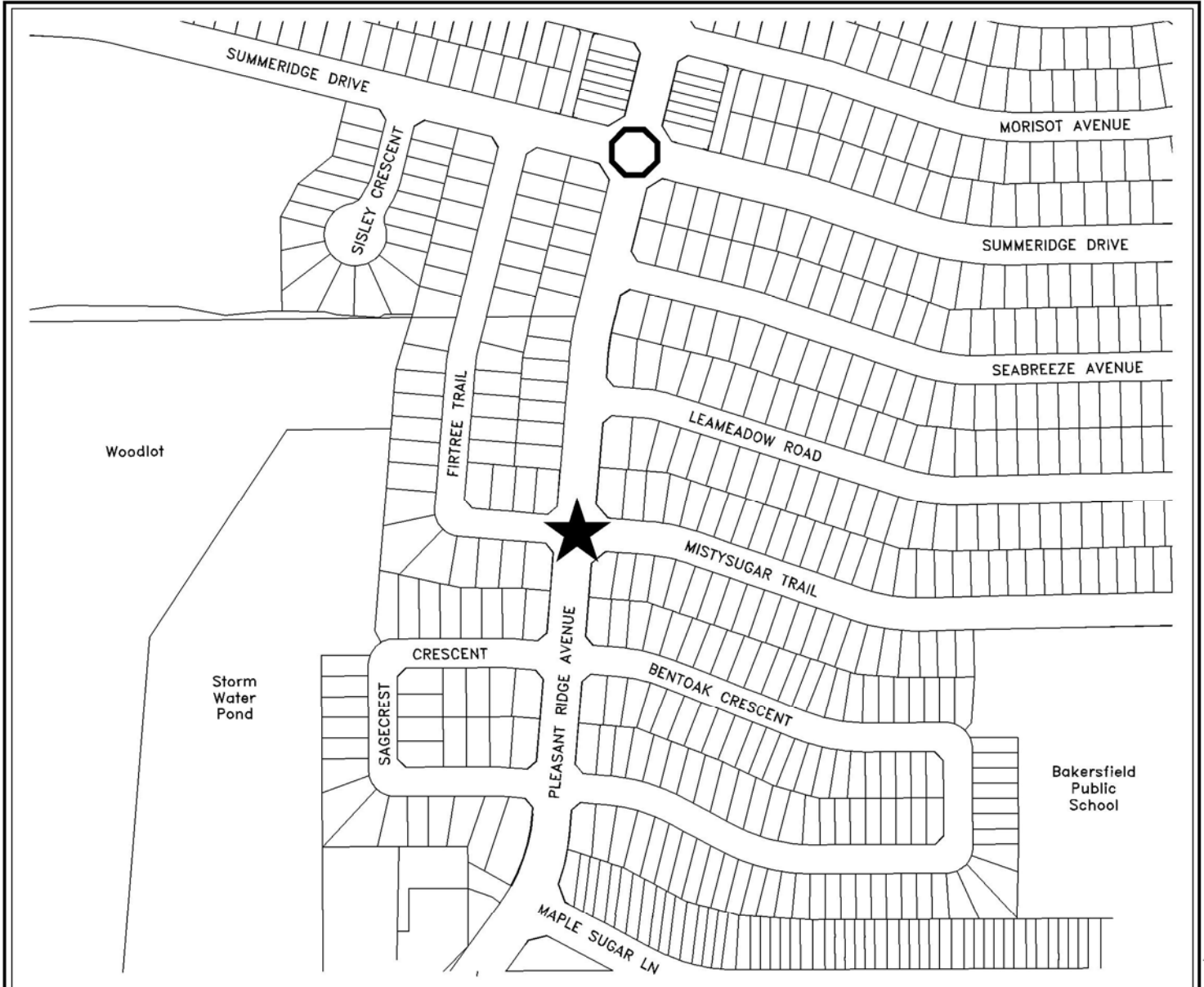
Respectfully submitted,

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

Gary P. Carroll, P. Eng.
Director of Engineering Services

LW:mc


ATTACHMENT No. 1

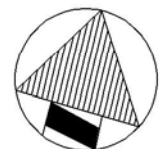


PLEASANT RIDGE AVENUE & MISTYSUGAR TRAIL / FIRTREE TRAIL ALL-WAY STOP REVIEW

LEGEND

 INTERSECTION UNDER REVIEW

 EXISTING ALL-WAY STOP CONTROL



NOT TO SCALE