

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 6, 2014

Item 27, Report No. 18, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on May 6, 2014.

27

TEMPORARY ROAD CLOSURE HAWSTONE ROAD – TERN DR TO VELLORE WOODS BLVD & VELLORE WOODS BLVD – GRAPEVINE DR TO HAWSTONE RD FIELDGATE VELLORE WOODS SUBDIVISION – 19T-12V008 WARD 3

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Engineering and Public Works and the Director of Development / Transportation Engineering, dated April 29, 2014:

Recommendation

The Commissioner of Engineering and Public Works and the Director of Development / Transportation Engineering recommend:

1. That the necessary by-law be passed authorizing the temporary sequential closure of Hawstone Road from Tern Drive to Vellore Woods Boulevard and Vellore Woods Boulevard from Grapevine Drive to Hawstone Road to facilitate the timely construction of the municipal services associated with the Fieldgate Vellore Woods Residential Subdivision, 19T-12V008 in Block 32 West, which is tentatively scheduled to occur between May 7th, 2014 and June 19, 2014 inclusive.

Economic Impact

There are no immediate economic impacts resulting from the adoption of this report. All costs associated with the proposed servicing works and road closure will be borne by the developers of the Fieldgate Vellore Woods Residential Subdivision.

Communications Plan

A comprehensive communication plan will be implemented to inform all stakeholders of the proposed temporary closure of Hawstone Road and Vellore Woods Boulevard and related detour routes. This communication plan will include written notification of the road closure to the area property owners and stakeholders including emergency public service agencies (police, fire and ambulance) and TTC who operates a bus service on Vellore Woods Boulevard in the area of the proposed road closure.

Access Vaughan will be provided with information regarding the closures and associated contact information in order to effectively respond to enquiries from the general public. The developer's contractor will be responsible for the installation and maintenance of all barricades and construction signage in order to provide pedestrian and cyclist safety and local access around the construction area. The appropriately worded road side signage will be installed a minimum of two weeks prior to the road closure as a means of informing the public of the temporary road closure in accordance with the Ontario Traffic Manual, Book 7.

Access to eighteen properties along these sections of Hawstone Road and Vellore Woods Boulevard will be directly affected by the road closures. These properties are single family residential dwellings. The Developers contractor will close and reopen the road by sections as they complete the subdivision servicing and will place road plates overnight and on weekends in an effort to minimize disruption to the households and the neighborhood.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 6, 2014

Item 27, CW Report No. 18 – Page 2

Purpose

The purpose of this report is to seek Council's approval to the temporary sequential closure of Hawstone Road from Tern Drive to Vellore Woods Boulevard and Vellore Woods Boulevard from Grapevine Drive to Hawstone Road to facilitate the timely and efficient construction of the municipal services required to service the Fieldgate Vellore Woods Residential Subdivision in Block 32 West.

Background – Analysis and Options

Majorwest Development Corp and Watertower Investments Limited are partners in a proposed residential development located on a former school block recently declared surplus by the School Board, at the intersection of Vellore Woods Blvd and Hawstone Road. The proposed development includes the creation of 43 residential lots placed around the newly created cul-de-sac (Hale Road) and fronting Vellore Woods Boulevard and Hawstone Road in Block 32 West as shown on Attachment No.1.

The subdivision agreement requires the Owners to construct municipal services such as roads, watermains, storm and sanitary sewers, hydro facilities to accommodate the development of these residential units. The agreement is in the process of execution.

Installing service connections to the existing sewer mains on Hawstone Road and Vellore Woods Boulevard will be challenging

Both Hawstone Road and Vellore Woods Boulevard are minor arterial roadways in Block 32 West with daily traffic volumes of approximately 3500 vehicles on Vellore Woods Boulevard and 1690 vehicles for Hawstone Road. These traffic counts were obtained in 2010 and are expected to be consistent with the current traffic conditions. The proposed traffic management plan identifies Starling Boulevard as the primary detour route when Vellore Woods is closed during construction.

The proposed work on Hawstone Road and Vellore Woods Boulevard includes the construction of 17 single and 1 wye sanitary & storm as well as 18 water service connections to existing mains. The works also involves the connection of the new mains from Hale Court to the existing main lines on Hawstone Road. The sanitary and storm lines in this area are on either side of the centerline of the road and range in depth from 5.5 to 7 meters. The existing watermains are located across the street from the sites to be serviced so the installation of the new water & sewer connections require an excavation across the full width of the road. In addition, large excavating equipment will be needed to reach the depth of the sewers. This will mean that the excavators will be spanning across the full roadway and require extra space to load trucks with earth to be removed from the site. Accordingly, there will not be sufficient space remaining between the excavation and the edge of the road to support safe passage of vehicular traffic during work hours.

A temporary road closure will significantly reduce the construction period and disruption to the immediate community

Given the constructability issues, the developers have requested the City's permission to temporarily close Hawstone Road and Vellore Woods Boulevard to facilitate the construction of the required municipal services. City staff has had several meetings with the developers, their contractor and consulting engineers to discuss alternatives to closing these roads. After exploring the available construction methods, processes and staging alternatives for this work, staff concur that a temporary road closure is the best option in this case.

The closure of the roads will establish a safer work environment for the construction workers and will significantly shorten the construction time frame for the project. A shorter construction period

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 6, 2014

Item 27, CW Report No. 18 – Page 3

will minimize the disruption to the immediate property owners and road users. The construction of the service connections on Hawstone Road and Vellore Woods Boulevard are expected to take six weeks to complete (May 7th, 2014 and June 19, 2014), weather permitting. Following the installation of the services, the developers plan to restore the service trenches within the travelled portion of Hawstone Road and Vellore Woods Boulevard with temporary asphalt patches. After house construction is substantially completed, the developers will complete a full milling and repaving of the area affected in order to reinstate the roads to their original condition. The following factors provide further support of a full staged closure:

- The roads will be plated and open for evenings and weekends.
- The grid road network in the area provides multiple alternatives for detour routes.
- Appropriate road and detour signage will be installed to direct traffic through alternate streets within the neighborhood two weeks in advance.
- Only one of the roads will be closed at any given time allowing for through traffic on the other.
- The contractor will close and reopen the road by sections as they complete the subdivision servicing and will place road plates overnight and on weekends in an effort to minimize disruption to households.

The consulting engineer will prepare a detailed traffic management plan for the temporary road closures to the satisfaction of the City. Road closure signage and barricades will be installed and maintained by the contractor along Hawstone Road and Vellore Woods Boulevard as a means of notifying the public of the closure period together with the appropriate detour route information signage. The servicing works will be carried out in a timely manner to help mitigate traffic impacts resulting from this construction.

Relationship to Vaughan Vision 2020

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in:

- The pursue of excellence in service delivery;
- Enhancing and ensuring Community Safety;
- Promoting effective governance; and
- Planning and managing growth, and economic vitality.

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

Regional Implications

The proposed road closure & traffic management plan will be coordinated with York Region.

There is no York Region Transit route on this segment of Hawstone Road and Vellore Woods Boulevard. The existing TTC bus route 165F on Vellore Woods Boulevard will be rerouted during the road closure.

Conclusion

To facilitate the construction of the municipal services related to the Fieldgate Vellore Woods Residential Subdivision Agreement, it is recommended that a by-law be passed to provide for the temporary sequential closure of Hawstone Road from Tern Dr to Vellore Woods Blvd and Vellore Woods Blvd from Grapevine Dr to Hawstone Rd. which is tentatively scheduled to occur between May 7th, 2014 and June 13, 2014 inclusive.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 6, 2014

Item 27, CW Report No. 18 – Page 4

A comprehensive communication plan will be implemented to inform all stakeholders of this temporary road closure as set out in this report. In addition, City Development Engineering staff will continue to monitor the construction and staging of the servicing works to ensure the works are completed in an appropriate manner.

Attachments

1. Attachment No. 1 – Location Plan Road Closure on Hawstone Road and Vellore Woods Boulevard
2. Attachment No. 2 – Work Staging on Hawstone Road
3. Attachment No. 3 – Work Staging on Vellore Woods Boulevard

Report prepared by:

Odette McIntyre, C.Tech. – Engineering Technologist - Development, ext. 8461
Frank Suppa, Manager of Development Inspection and Grading, Ext. 8073

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

COMMITTEE OF THE WHOLE – APRIL 29, 2014

TEMPORARY ROAD CLOSURE HAWSTONE ROAD – TERN DR TO VELLORE WOODS BLVD & VELLORE WOODS BLVD – GRAPEVINE DR TO HAWSTONE RD FIELDGATE VELLORE WOODS SUBDIVISION – 19T-12V008 WARD 3

Recommendation

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Report prepared by:

Odette McIntyre, C.Tech. – Engineering Technologist - Development, ext. 8461
Frank Suppa, Manager of Development Inspection and Grading, Ext. 8073

Respectfully submitted

Paul Jankowski, P. Eng.
Commissioner of Engineering and Public Works

Andrew Pearce, C.E.T.
Director of Development/
Transportation Engineering

ATTACHMENT No.1




Fieldgate Vellore Woods Subdivision 19T-12V008 **TEMPORARY ROAD CLOSURE ON** **VELLORE WOODS BLVD & HAWSTONE ROAD**

LOCATION: Part of Lot 20, Concession 5

LEGEND

 SUBJECT LANDS

 Road Closure Area

Note: Aerial photography acquired Spring, 2013



[illegible]

THE CITY OF VAUGHAN

BY-LAW

BY-LAW NUMBER 060-2014

A By-law to authorize the temporary sequential closing of certain highways in the City of Vaughan.

That Council of The Corporation of the City of Vaughan ENACTS AS FOLLOWS:

1. That the highways or portions of highways listed below be and they are hereby temporarily closed to through traffic from approximately May 7, 2014 to June 19, 2014 for construction purpose.

<u>HIGHWAY</u>	<u>FROM</u>	<u>TO</u>
Hawstone Road Vellore Woods Blvd	Tern Drive Grapevine Drive	Vellore Woods Blvd Hawstone Road

Enacted by City of Vaughan Council this 6th day of May, 2014.

Hon. Maurizio Bevilacqua, Mayor

Jeffrey A. Abrams, City Clerk