

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 17, 2016

Item 16, Report No. 21, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on May 17, 2016.

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**TEMPORARY ROAD CLOSURE
THOMAS COOK AVENUE – WOODVALLEY CRESCENT TO LEBOVIC CAMPUS DRIVE &
LEBOVIC CAMPUS DRIVE – THOMAS COOK AVENUE TO RUMSEY ROAD
QUADRANT C AND D SUBDIVISION – 19T-13V004 AND 19T-13V005
WARD 4 – VICINITY OF RUTHERFORD ROAD AND BATHURST STREET**

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager, Planning & Growth Management and the Director of Development Engineering and Infrastructure Planning, dated May 3, 2016:

Recommendation

The Deputy City Manager, Planning & Growth Management and the Director of Development Engineering and Infrastructure Planning, in consultation with the Deputy City Manager, Public Works and the Director of Transportation Services and Parks & Forestry Operations, recommend:

1. That the necessary by-law be passed authorizing the temporary sequential closure of Thomas Cook Avenue from Woodvalley Crescent to Lebovic Campus Drive and Lebovic Campus Drive from Thomas Cook Avenue to Rumsey Road to facilitate the timely construction of the municipal services associated with the Quadrant C and D Residential Subdivision, 19T-13V004 and 19T13V005 in Block 11, which is tentatively scheduled to occur between June 30, 2016 and Sept 2, 2016 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 developer of the Quadrant C and D Residential Subdivision.

Communications Plan

A comprehensive communication plan will be implemented to inform all stakeholders of the proposed temporary closure of Thomas Cook Avenue and Lebovic Campus Drive 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). In addition, arrangements will be made with York Region Transit to detour buses around the construction site.

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.

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Purpose

The purpose of this report is to seek Council's approval to the temporary sequential closure of Thomas Cook Avenue from Woodvalley Crescent to Lebovic Campus Drive and Lebovic Campus Drive from Thomas Cook Avenue to Rumsey Road to facilitate the timely construction of the municipal services required to service the approved Quadrant C and D Residential Subdivision in Block 11.

Background – Analysis and Options

Quadrants Holdings Inc. are preparing to begin the servicing for an approved residential development located at the intersection of Thomas Cook Avenue and Lebovic Campus Drive. The proposed development includes the creation of 205 residential lots placed around new local roads and units fronting Lebovic Campus Drive in Block 11 as shown on Attachment No.1.

The Owner is required to construct municipal services such as roads, watermains, storm and sanitary sewers, etc. to accommodate the development of these residential units. The subdivision agreement will need to be executed before work within the municipal right-of-way commences.

Installing service connections to the existing sewer mains on Thomas Cook Avenue and Lebovic Campus Drive will be challenging

The proposed work on Thomas Cook Avenue and Lebovic Campus Drive includes the construction of 19 sanitary and storm sewer connections and 38 water service connections to existing mains. These works also involves the extension of the existing sewers on Lebovic Campus Drive and the construction of new watermain connections at two locations that cross Thomas Cook Avenue as shown on Attachment No. 2 and 3. The sanitary and storm sewers 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 and 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 sequential road closure will significantly reduce the construction period and disruption to the immediate community

Given the apparent constructability issues, the developers have requested the City's permission to temporarily close Thomas Cook Avenue and Lebovic Campus Drive to facilitate the construction of the required municipal services. City staff has had 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. Thomas Cook Avenue will be closed first followed by Lebovic Campus Drive. Implementing sequential closures will minimize disruption to the area residents and maintain local access as well as solid waste collection. The proposed road closures have been scheduled after the local school is closed for summer break to avoid conflicts with busing and travel to the school.

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 will minimize the disruption to the immediate property owners and road users. The construction of the service connections on Thomas Cook Avenue and Lebovic Campus Drive are expected to

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take approximately 9 weeks to complete (June 30, 2016 and September 2, 2016), weather permitting. Following the installation of the services, the developer will restore the service trenches within the travelled portion of Thomas Cook Avenue and Lebovic Campus Drive with temporary asphalt patches. After house construction is substantially completed, the developer 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 grid road network in the area provides multiple alternatives for detour routes
- Access to the dwellings within the limits of construction will be maintained
- 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 on Lebovic Campus Drive as they complete the subdivision servicing in order to minimize disruption to residents
- Arrangements will be made to detour local school and transit buses around the work area

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 Thomas Cook Avenue and Lebovic Campus Drive 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 Term of Council Service Excellence Strategy Map (2014-2018)

The construction of the municipal services in the Quadrant C and D Residential Subdivision are consistent with the initiatives outlined in the Term of Council Service Excellence Strategy Map. The construction of these municipal services will:

- Invest, renew and manage infrastructure and assets;
- Attract investment and create jobs
- Continue to ensure the safety and well-being of citizens; and
- Continue to cultivate an environmentally sustainable city.

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

Regional Implications

York Region Transit runs a local bus route on this segment of Thomas Cook Avenue and Lebovic Campus Drive. The existing bus route Thornhill Woods 23 will be rerouted during the road closure. The proposed road closure and traffic management plan will be coordinated with York Region Transit.

Conclusion

To facilitate the construction of the municipal services related to the Quadrant C and D Residential Subdivision it is recommended that a by-law be passed to provide for the temporary sequential closure of Thomas Cook Avenue from Woodvalley Crescent to Lebovic Campus Drive and Lebovic Campus Drive from Thomas Cook Avenue to Rumsey Road, which is tentatively scheduled to occur between June 30, 2016 and September 2, 2016 inclusive.

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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. Location Plan Road Closure on Thomas Cook Avenue and Lebovic Campus Drive
2. Work Staging on Thomas Cook Avenue
3. Work Staging on Lebovic Campus Drive

Report prepared by:

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(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.)