



TOWNSHIP OF KING

Municipal Offices
2075 King Road
King City, Ontario
L7B 1A1

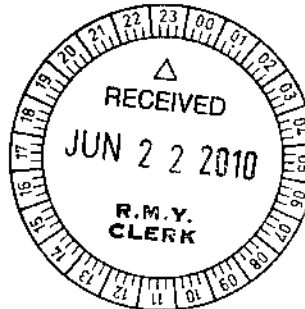
Telephone: (905) 833-5321
Toll Free: 1-800-688-5013
Fax: (905) 833-2300
E-mail: online@king.ca
Website: www.king.ca

REGION OF YORK
CLERK'S OFFICE

FILE No. - P43

June 16, 2010

Erin Mahoney, M. Eng.
Commissioner of Environmental Services
Regional Municipality of York
17250 Yonge Street
NEWMARKET ON L3Y 6Z1



Dear Ms. Mahoney,

- RE: (a) Township of King
Deputation to Committee of the Whole on May 31st, 2010
Re: Engineering and Public Works Department Report Number EPW 2010-17
Replacement of Watermain and Installation of Sanitary Sewers on Regional Road 27,
Nobleton; and**
- (b) Memo dated May 31st, 2010 from Mike Cole, Manager of Engineering and
Development re: EPW Report No. 2010-17
Nobleton Sewers – Region Comments on Regional Road 27 Work**

At its meeting of May 31st, 2010, Council received and adopted the recommendations of Engineering and Public Works Department Report EPW 2010-17 and the Memo dated May 31st, 2010 from the Manager of Engineering and Development which advised of the re-paving contract on Regional Road 27 and the potential to include work related to the Nobleton Sanitary Sewer Project in the Region's contract.

Please find enclosed for your information and file, an extract of C.O.W. Item #2010-134 of the Committee of the Whole Report of May 31st, 2010, a copy of Engineering and Public Works Department Report Number EPW 2010-17 and a copy of the Memo dated May 31st, 2010.

Yours truly,

Chris Somerville
Clerk
Encls.

c.c. Denis Kelly, Regional Clerk, Region of York
Robert Flindall, Director of Engineering & Public Works

TOWNSHIP OF KING

COMMITTEE OF THE WHOLE REPORT

The following item from the Committee of the Whole Report of May 31st, 2010 was adopted by Council at its meeting of May 31st, 2010. The minutes of the meeting were approved by Council at its meeting of June 14th, 2010.

COPIES TO: FILE
ROB FLINDALL

C.O.W. #2010-134

- (a) **Engineering and Public Works Department Report Number EPW 2010-17
Re: Replacement of Watermain and Installation of Sanitary Sewers
on Regional Road 27, Nobleton**
- (b) **Memo dated May 31, 2010 from Mike Cole, Manager of Engineering and
Development Re: EPW Report No. 2010-17
Nobleton Sewers – Region Comments on Regional Road**

Committee considered Engineering and Public Works Department Report Number EPW 2010-17 to advise of the re-paving Contract on Regional Road 27 that has been awarded by the Region of York and the potential to include work related to the Nobleton Sanitary Sewer Project in the Region's contract.

The Director of Engineering and Public Works advised that further comments had been received from the Region of York regarding the sanitary sewer work discussed in the Staff Report EPW 2010-17, and these comments are provided to Committee in the Memo from Mr. Cole.

Committee recommends that Engineering and Public Woks Department Report Number EPW 2010-17 and the Memo dated May 31, 2010 be received, and the recommendations therein be approved, as follows:

- a) That Engineering & Public Works Report No. EPW 2010-17 be received for information.
- b) That Council authorizes that the Regional Municipality of York to replace the watermain on Regional Road 27, from Parkview south to the proposed Well site, as part of their on-going roadwork contract and on our behalf.
- c) That Council requests that the Regional Municipality of York install sanitary sewers and Regional Road 27, as shown on Schedule A, as part of their on-going roadwork contract and on our behalf, with the design and construction costs to be deducted from the existing financial contribution commitment to the Nobleton sewer project approved by Regional Council on October 22, 2009.

- d) That Council authorizes staff to complete the design of sanitary sewers and apply for the Certificate of Approval to construct the sanitary sewers, utilizing the services of the Engineer retained by the Region of York, Township staff time and contracted services.
- e) That Council requests the Regional Municipality of York to contribute additional funds to Nobleton Sewer Project, estimated in the amount of \$2,000,000 for construction of sewers from Regional Road 27 connecting to the existing system in order to assist with the early and rapid connection of properties to the system once it becomes functional and the Township Connection By-law comes into force.
- f) That Council authorize the Mayor and Clerk to execute the Agreement between the Township and the Region and the funding Agencies, if required, to complete this work.

CHRIS SOMERVILLE
CLERK

TOWNSHIP OF KING

DATE: May 31, 2010
TO: Committee of the Whole
FROM: Engineering & Public Works
Engineering & Public Works Report No. EPW 2010-17
SUBJECT: **Replacement of Watermain and Installation of Sanitary Sewers on
Regional Road 27 Nobleton**

1. RECOMMENDATIONS

The Engineering & Public Works Department respectfully submits the following recommendations:

- a) That Engineering & Public Works Report No. EPW 2010-17 be received for information.
- b) That Council authorizes that the Regional Municipality of York to replace the watermain on Regional Road 27, from Parkview south to the proposed Well site, as part of their on-going roadwork contract and on our behalf.
- c) That Council requests that the Regional Municipality of York install sanitary sewers and Regional Road 27, as shown on Schedule A, as part of their on-going roadwork contract and on our behalf, with the design and construction costs to be deducted from the existing financial contribution commitment to the Nobleton sewer project approved by Regional Council on October 22, 2009.
- d) That Council authorizes staff to complete the design of sanitary sewers and apply for the Certificate of Approval to construct the sanitary sewers, utilizing the services of the Engineer retained by the Region of York, Township staff time and contracted services.
- e) That Council requests the Regional Municipality of York to contribute additional funds to Nobleton Sewer Project, estimated in the amount of \$2,000,000 for construction of sewers from Regional Road 27 connecting to the existing system in order to assist with the early and rapid connection of properties to the system once it becomes functional and the Township Connection By-law comes into force.
- f) That Council authorize the Mayor and Clerk to execute the Agreement between the Township and the Region and the funding Agencies, if required, to complete this work.

COW
MAY 31/10

2. PURPOSE

The purpose of this report is to advise Council of the re-paving Contract on Regional Road 27 that has been awarded by the Region of York and the potential to include work related to the Nobleton Sanitary Sewer Project in the Region's contract. In order to take advantage of this opportunity Council must make a formal request to the Region. In addition, the Region has proposed to replace a Township watermain on Regional Road 27 in lieu of constructing a dedicated feedermain from the new municipal drinking water well, and the Region requires authorization from the Township to proceed with this work.

3. BACKGROUND & ANALYSIS

The Region of York has awarded two contracts to pave Regional Road 27 from Nashville Road in Vaughan, north to Highway 9. This project is funded through the Federal and Provincial Infrastructure Stimulus Program. During staff discussions with the Region concerns were raised that the Township may install the sanitary sewers on Regional Road shortly after it had been paved and the Region suggested that it might be possible for their contractor to install the sanitary sewers as part of the Region's paving contract. There are several advantages for the Township in approval is received to install these sanitary sewers:

1. The sewer installation will not require the new asphalt to be disturbed
2. There is a possibility that the cost of the sewers will fall under the Federal/Provincial stimulus funding and as such the Township will only incur one third of the cost of the sewers.
3. The sewer work will be advanced potentially saving any inflationary construction costs.
4. The Region is willing to front end the cost of this work and when the payment is required, they will either deduct it from their \$1.3 Million contribution commitment to the Nobleton Sewer Project or the Township could repay them directly depending on the debt limit approval status.
5. The road restoration costs will be included in the Regional work and not a capital cost to the Township.

The construction of the new Regional drinking water well at the south end of Nobleton requires a watermain connection to the existing system. According to the original plan the Region was going to install a dedicated feedermain on the west side of Regional Road 27. Installation was proposed for later this year or early next year and its installation would be by directional drilling (trenchless technology) in order not to disturb the pavement. This would result in two watermain lines on Regional Road 27; the local main on the east side and the Regional main on the west side. Now that the road is to be resurfaced they are willing to eliminate the Regional main and replace the local main with a larger watermain suitable for their needs on the east side of the road at their cost. This is a benefit to the Township for the following reasons:

1. The existing local main is older and the material is asbestos cement and should be replaced on this basis.

2. There is no cost to the Township for this work.
3. This will eliminate the need for two watermain on the same section of road.
4. The Region of York has also agreed to prepare the design for this work as well as the sanitary sewer in this location at no cost to the Township

The one difficulty with this proposal is the tight time lines in order to obtain the necessary approvals and complete the work under the existing paving contract without significantly delaying the contractor or missing the appropriate construction deadlines for funding.

The Regional paving contract has already been awarded which necessitates quick pre-engineering and design work. Fortunately the geotechnical work was already awarded (Engineering and Public Works Report EPW 2010 – 01) and is underway. Staff have retained a land surveyor to obtain topographical and basement elevation information necessary for the design. The design work is underway 'in house' and a preliminary draft is completed. The design of the sanitary sewers in the southern portion of the sanitary sewer as shown on Schedule 'A' from Parkview Drive to the well site can be completed by the Region of York's Engineer as part of the watermain design. Township staff can complete the final design of the northern section and will only require contracted services for drafting of the construction drawings.

3.1 Request for Additional Regional Funding Commitment

Staff at the Township and the Region of York have been in discussion about the timing of the commissioning of the Regional wastewater treatment plant (WTP) and pumping station. The WTP requires input flows to a minimum of 10% of the rated plant capacity for commissioning (approximately 200 residential unit equivalent connections) and approximately 310 residential unit equivalent connections to operate in a satisfactory manner. The Nobleridge subdivision is anticipated to provide the first connections to the Nobleton system in November of 2010. Some connections to the system in the existing community may also be made prior to that time, dependent on the connection By-law coming into force. Once connections are made the Region anticipates having to truck sewage from the pumping stations to other treatment facilities until such time as the minimum flows are achieved. This will be costly to the Region, especially if minimum flows are not achieved in a short time.

Township staff recommend that the Region be requested, through a Council Resolution, to provide additional funding to the project in order to accelerate the construction of sewers and thereby allow more properties to connect in a shorter period of time. Staff suggestion is to complete the connection of the sewers already proposed for construction on Regional Road 27 by constructing the sewers on Parkview Drive, Crestview Road, Janet Avenue, Hill Farm Drive, and Lynwood Crescent, Norman Avenue, and Royal Avenue. This would permit an approximately 120 additional properties to connect to the system earlier than previously anticipated. This would be in addition to the 210 existing community properties already serviced and the 221 units in Nobleridge Phase 1. Experience in King City has shown that 50-60% of properties complete their hook-up within one year, indicating that the Region would have to truck sewage for more than a year even with occupancies in the Nobleridge subdivision coming online at the same pace.

4. FINANCIAL IMPLICATIONS

The Region of York have agreed to front end this work and will use their \$1.3M contribution to the Nobleton Sanitary Sewer Project as security. This amount coincidentally, is the same as the estimate for the work being proposed on Regional Road 27. When the work is completed the Township has the option of asking the Region to use this contribution or to make payment subject to the debt limit approval from the Province. The sanitary sewer work that is proposed was included in the Nobleton Sanitary Sewer Program and associated By-law. This work may also be eligible for the Stimulus Funding obtained by the Region of York for the paving project and as a result the cost would be one third of what was anticipated in the Nobleton Sanitary Sewer By-law.

5. CONCLUSION

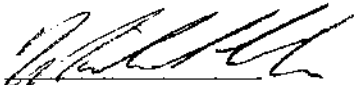
Proceeding with the installation of the sanitary sewer and watermain on Regional Road 27 as indicated in Schedule 'A' in conjunction with the Regional paving contract advances the sanitary sewers in Nobleton and provides a significant financial benefit to the Township of King without requiring the expenditure of capital funds in advance of the Nobleton Sanitary Sewer By-law coming into force.

Attachments

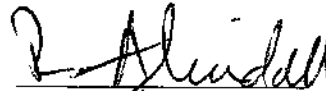
Schedule A – Proposed Sanitary Sewer Project Location

Submitted by:

Reviewed by:



Michael Cole, C.E.T., BAS
Manager of Engineering and Development



Rob Flindall, P.Eng.
Director, Engineering
And Public Works

Schedule A



Proposed Sanitary Sewer



The Corporation of The Township of King
Engineering and Public Works

TO: Committee of the Whole

FROM: Michael Cole, Manager of Engineering and Development

DATE: May 31, 2010

RE: EPW Report No. EPW 2010 - 17
Nobleton Sewers – Region Comments on Regional Road 27 Work

We have recently received comments from the Region of York regarding the sanitary work on Regional Road 27 in Nobleton. They have specified four items that will have to be satisfied prior to them continuing and including this work in with their paving contract. The items are as follows:

1. The sewer and watermain work will only be included with the Highway 27 project if staff can obtain York Region Senior Management approval.

This item is internal to the Region; however the Township will follow up with the Region's senior staff.

2. The Region will only include the sewer and watermain work if the final designs, permits and approvals are available by June 14, 2010.

Preliminary designs are complete. The watermain work is being designed by the Region of York. The final design of the sanitary sewer is waiting on survey work to pick up basement elevations in the area. This work is to be completed by the end of this week. Staff are meeting with both the conservation authority and the Ministry of the Environment representative this week to finalize the approvals.

3. The Region will only include the sewer and watermain work with the Highway 27 contract, if we can complete the work in the 2010.

If work is started in a timely manner there should be no problem completing this work in 2010.

4. The sewer and watermain work is subject to successful negotiation of a change order with the Region's current contractor.

This item is solely in the purview of the Region of York.

Distributed
@ Council May 31/10
CS