



March 2006

Media Backgrounder

York Durham Sewage System 16th Avenue, Phase I

The 16th Avenue Trunk Sewer project is a critical twinning of the YDSS that runs along 16th Avenue and 9th Line in the Town of Markham.

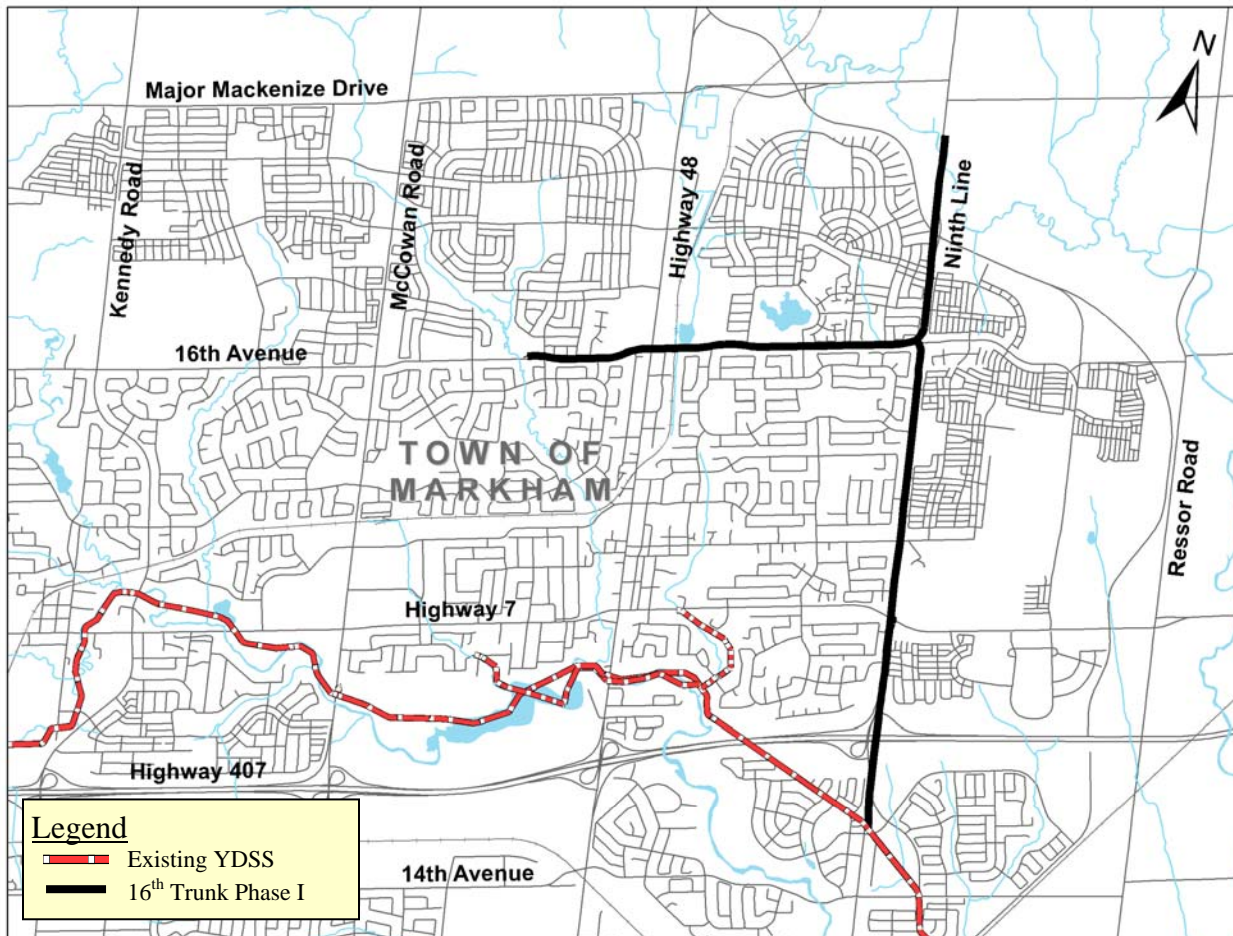
Construction of the first phase of the 16th Avenue project included the pipe along 9th Line which connects to the existing Southeast Collector Trunk Sewer. The sewer on 9th Line starts in the Box Grove area and terminates north of 16th Avenue. The sewer on 16th Avenue starts at 9th Line and terminates at Stone Mason Drive.

Project Status:

Phase 1 of the 16th Avenue Trunk Sewer project is complete.

Project Description:

Phase I of the 16th Avenue Trunk Sewer project including the 9th Line sewer is 6.7 km in length, with a pipe diameter of 2600 mm.



Costs:

The total cost of 16th Avenue Phase I project was \$68 million.

Construction/Schedule:

- Construction began in August 2000 and was completed in 2003.
- The method of construction used for the 16th Avenue Trunk Sewer project was tunnelling.
- In order to safely construct the shafts and the tunnels of this sewer to the required depth, the groundwater level was lowered by pumping in the deep Thornccliffe aquifer to below the depth of the shaft and tunnel.
- Due to unanticipated subsurface conditions at Stone Mason Drive, more dewatering than originally anticipated was necessary. This caused temporary impacts to private wells outside what was originally defined as the zone of influence. As a result, the Region, together with the agencies, developed an extensive \$30 million Environmental Management Plan and Well Mitigation Plan to manage impacts resulting from the future phases of the project. The lessons learned on Phase I are now best practices for all YDSS projects.
- The 16th Avenue Phase I Sewer project was completed in December 2003. Completed sections of the sewer are now in service.

For more information, the media should visit the York Region Web site: www.york.ca or contact:

Patrick Casey, Director, Corporate Communications, Office of the CAO, Regional Municipality of York
905-830-4444 / Toll Free: 1-877-464-9675, ext. 1235 / Cell: 905 715-8211 email: patrick.casey@york.ca