



# MEETING AGENDA

## Technical Advisory Committee

### Meeting No. 4

Northeast Vaughan Water and Wastewater Servicing – 75530/75130

Contract No: P-13-62

**Date of Meeting:** February 7, 2019

**Time of Meeting:** 2:00 – 4:30 pm

**Location:** Vaughan City Hall, 2141 Major Mackenzie Drive, Vaughan

**Room #:** Committee Room 246, located on second floor

<b>Invitees</b>	Padhye Mukund Nicole Radulovic Jeff McNeice Michael Frieri Tony Artuso Deepak Panjwani Harsimrat Pruthi Scott Smith Emilee O’Leary Dan Dellamora Michael Vallins Ian Dobrindt Steven Overend Emily Gallant	<ul style="list-style-type: none"> <li>- York Region</li> <li>- York Region</li> <li>- York Region</li> <li>- City of Vaughan</li> <li>- City of Vaughan</li> <li>- City of Vaughan</li> <li>- Toronto and Region Conservation Authority</li> <li>- Toronto and Region Conservation Authority</li> <li>- Ministry of the Environment, Conservation and Parks</li> <li>- Ministry of Transportation</li> <li>- Canadian National Railway Company</li> <li>- GHD</li> <li>- GHD</li> <li>- GHD</li> </ul>
<b>Facilitator</b>	Ian Dobrindt (GHD)	
<b>Meeting Purpose</b>	To present the proposed water pumping station and storage facilities and trunk sewer alignment for implementing the preferred water and wastewater servicing solution (refer to attached figures).	

ITEM	TOPIC	TIME	DISCUSSION LEADER
1.	<b>Introductions and Project Update</b> <ul style="list-style-type: none"> <li>• Welcome and Meeting Purpose</li> <li>• Project Update</li> </ul>	20 min	Ian and Mukund
2a.	<b>Proposed Water Pumping Station and Storage Facilities and Watermains</b>	40 min	Steve

	<ul style="list-style-type: none"> <li>• Scope of Water Servicing Requirements</li> <li>• PD8 Pumping Station: Preferred site and associated watermain</li> <li>• Combined PD8 Water Storage Facility and PD9 Pumping Station: Preferred Site and Associated Watermain</li> <li>• Pressure District 8 Second Elevated Tank: Preferred Site and Associated Watermain</li> </ul>		
<b>2b.</b>	<b>Impact Mitigation, Proposed Monitoring and Post EA Approvals</b>	15 min	Ian
	<b>Break</b>	10 min	
<b>3a.</b>	<b>Proposed Trunk Sewer</b> <ul style="list-style-type: none"> <li>• Scope of Wastewater Servicing Requirements</li> <li>• Preferred Route, Alignment and Construction Methodologies</li> </ul>	30 min	Steve
<b>3b.</b>	<b>Impact Mitigation, Proposed Monitoring and Post EA Approvals</b>	15 min	Ian
<b>4.</b>	<b>Project Status and Next Steps</b> <ul style="list-style-type: none"> <li>• Project File Report (Class EA Report)</li> <li>• Notice of Study Completion and 30-Day Review Period</li> <li>• Detailed Design</li> </ul>	10 min	Ian and Mukund
<b>5.</b>	<b>Additional Questions, and Discussion</b>	10 min	Ian



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<b>Participants</b>	Mukund Padhye (MP) Nicole Radulovic (NR) Jeff McNeice (JM) Tony Artuso (TA) Diego Velasquez (DV) Kevin Huang (KH) Melissa Rossi (MR) Armine Hassakourians (AH) Fausto Filipetto (FF) Chahrzad Strike (CS) Akter Hossain (AH) Harsimrat Pruthi (HP) Ian Dobrindt (ID) Steve Overend (SO) Emily Gallant (EG)	<ul style="list-style-type: none"> <li>- York Region</li> <li>- York Region</li> <li>- York Region</li> <li>- City of Vaughan</li> <li>- Toronto and Region Conservation Authority (TRCA)</li> <li>- GHD</li> <li>- GHD</li> <li>- GHD</li> </ul>
<b>Facilitator</b>	Ian Dobrindt	
<b>Meeting Purpose</b>	To present the proposed water pumping station and storage facilities and trunk sewer alignment for implementing the preferred water and wastewater servicing solution.	
<b>Supplemental Material/Attachments</b>	Appendix A - Slide presentation	

Item 1	Introductions and Project Update	Discussion Leader (ID)
<p><b>The project team presented the following:</b></p> <ol style="list-style-type: none"> <li>1. Welcome</li> <li>2. Meeting ground rules</li> <li>3. Meeting Purpose</li> <li>4. Introductions</li> <li>5. Project Update</li> <li>6. Overview of the Class Environmental Assessment (EA) Process and Current Phase</li> </ol> <p>ID provided attendees with an overview of the work done to date on this project, which began over six years ago. Consultation started in early 2014 followed by the first round of Open Houses in spring 2015. The most recent Open House took place in June 2017. Since that date, York Region and GHD have worked with TRCA, City of Vaughan, developers and other stakeholders to accommodate stakeholder requests. There have been no wholesale changes from 2017, but enough of a change that it is important to communicate to stakeholders what those changes entail as part of this meeting. The filing of the ESR will most likely happen in March 2019, with the 30 calendar day review period ending in April 2019. If there are no Part II Order Requests following the filing of the ESR, then York Region can proceed to detailed design later in the year.</p>		
<p><b>Conclusion:</b> N/A</p>		
<p><b>Action Items:</b> N/A</p>	<p><b>Person Responsible:</b> N/A</p>	<p><b>Deadline:</b> N/A</p>

Item 2	Proposed Water Pumping Station and Storage Facilities and Watermains	Discussion Leader: SO
<p><b>The project team presented an overview of proposed water pumping stations, elevated tanks and watermains:</b></p> <ul style="list-style-type: none"> <li>- Scope of Water Servicing Requirements</li> <li>- PD8 Pumping Station: Preferred Site and Associated Watermain</li> <li>- Combined PD8 Water Storage Facility and PD9 Pumping Station: Preferred Site and Associated Watermain</li> <li>- Pressure District 8 Second Elevated Tank: Preferred Site and Associated Watermain</li> </ul> <p>See Appendix B, slides 6-14 for reference.</p> <p>The following questions and responses were provided during this portion of the presentation:</p> <p><b>Question 2.1: How did the 1200 watermain on Keele Street factor into your decisions?</b>  <b>Response:</b> All water infrastructure needs to be built by 2031 – Keele Street infrastructure can service the surrounding area to a relative degree. There is an existing stub piece and potential for a connection in that location that can be used prior to the new infrastructure coming in 2031.</p> <p><b>Question 2.2: What impact would this have on the development in Block 27?</b>  <b>Response:</b> Block 27 provides an outlet for a local system, whereas the Regional infrastructure would service PD7, PD9 and PD6. There are a host of City mains that would do the main (internal) servicing for Block 27. Right now, there is a Regional watermain stub at Kirby Road and Keele Street that the City could connect directly into. Assuming there is one at Kirby Road and Jane Street, we would build the infrastructure in between them. All of Block 27 will be serviced.</p>		

**Question 2.3: Are you crossing the TransCanada pipeline?**

**Response:** Yes, the watermain will cross the pipeline corridor. Most construction will be done by open cut, while anywhere with a watercourse, utility corridor or any other significant area will be done by trenchless construction. **Question 2.4: Will the City have parallel watermains?**

**Response:** Yes. The City will connect to the PD9 PS with its own main, which will service PD9. Local City mains will service PD8.

**Question 2.5: Have the size of the tanks been changed?**

**Response:** Yes, each tank is currently planned to be 1.5 megalitres larger than what the master plan recommended. The north tower will be 43 metres high, while the south tower will be 48 metres. These tanks will operate in parallel.

**Conclusion:** N/A

**Action Items:** N/A

**Person Responsible:** N/A

**Deadline:** N/A

Item 3	Impact Mitigation, Proposed Monitoring and Post EA Approvals (Water)	Discussion Leader: ID
<p><b>The project team presented an overview of impact mitigation, proposed monitoring and Post EA Approvals:</b></p> <p>Once we confirmed the infrastructure – we delved into impact management measures to try to avoid any adverse impacts as much as possible, followed by mitigation, and finally compensation if required. We examined environmentally sensitive features at a federal, provincial, regional, and local level. This resulted in the selection of suitable areas for siting the proposed facilities, as well as elimination of areas that could not be considered based on the presence of sensitive features. As part of this approach, we considered the entire environment as defined by the Environmental Assessment Act, which includes the cultural, social, built, and economic environments, in addition to the natural environment. We also looked at existing and planned development in the area to minimize impacts to sensitive land uses. A Stage 1 Archaeological Assessment was also completed.</p> <p>We originally looked at potentially siting the PD8 Elevated Tank in Block 27, but based on consultation with the City, it was moved outside of Block 27 north into Block 28. This was a better option from the City’s perspective. Additional separation of the proposed elevated tank from Block 27 has been added since the elevated tank is now being proposed in a more northern portion of Block 28 than what was previously proposed. The Project File Report (PFR) goes into further detail on this change as well as others made in response to comments received from stakeholders like the City, TRCA, and landowners throughout the course of the Environmental Assessment process. Any permits and approvals will be included in the PFR and will be confirmed as part of Detailed Design.</p> <p>See Appendix B, slides 15-22 for reference.</p> <p><b>No questions were asked during this portion of the presentation.</b></p>		
<p><b>Conclusion:</b> N/A</p>		
<p><b>Action Items:</b> N/A</p>	<p><b>Person Responsible:</b> N/A</p>	<p><b>Deadline:</b> N/A</p>

Item 4	Proposed Trunk Sewer	Discussion Leader: SO
<p><b>The project team presented an overview of the proposed trunk sewer:</b></p> <ul style="list-style-type: none"> <li>- Scope of Wastewater Servicing Requirements</li> <li>- Preferred Route, Alignment and Construction Methodologies</li> </ul> <p>See Appendix B, slides 23-27 for reference.</p> <p>The following questions and responses were provided during this portion of the presentation:</p> <p><b>Question 4.1: Why is the proposed sewer line broken into three individual segments?</b>  <b>Response:</b> This option allows York Region to optimize the existing YDSS capacity that already exists. Staging construction of the proposed sewer is done so that existing infrastructure is utilized until additional capacity is warranted. The portion of the sewer along Jane Street is required before 2031 to provide initial servicing to the NEV water service area, while the other two segments are required much later.</p> <p><b>Question 4.2: What is construction going to look like?</b>  <b>Response:</b> There will be a few open cut sections, but the majority of it will be tunneling. The size of the pipe has changed from 1050mm to 1500mm to allow for greater separation between shafts (roughly 750m) minimizing ground-level disruption. Shaft locations should have minimal impact to traffic since they will primarily be located in the roadside boulevard.</p> <p><b>Question 4.3. How does it impact us in terms of connections?</b>  <b>Response:</b> An access point will be provided for the City to connect into the trunk sewer at each of the shaft locations, but the City will be responsible for determining how these connections will be made.</p>		
<p><b>Conclusion:</b> N/A</p>		
<p><b>Action Items:</b> N/A</p>	<p><b>Person Responsible:</b> N/A</p>	<p><b>Deadline:</b> N/A</p>

Item 5	Impact Mitigation, Proposed Monitoring and Post EA Approvals (Sewer)	Discussion Leaders: ID
<p><b>The project team presented an overview of impact mitigation, proposed monitoring and Post EA Approvals:</b></p> <p>Looked at a large study area for how to get wastewater from the northeast Vaughan service area to the existing York Durham Sewage System (YDSS). Many corridors and routes were examined, first starting with avoidance of sensitive environmental surface features and land uses. Vertical and horizontal topography was then considered to avoid sensitive features. Although there are some areas along the trunk sewer route that are more sensitive, such as Connection Point Nos. 2 and 3, we will be working with the TRCA to minimize potential impacts. In addition, in some cases, additional follow up investigations will be carried as part of detailed design. For example, additional Archaeological Assessment work will be done around Connection Point No. 3 where there is a pioneer cemetery in close proximity. In this situation, there could be unmarked graves outside of the cemetery's fenced boundary.</p> <p>The schedule for constructing the new trunk sewer is different from the schedule for construction of the water infrastructure because the current plan is to implement it in segments over a longer duration. The first sewer segment, along Jane Street, is scheduled for completion by 2028, while the third and second segments would be completed by 2041 and 2051, respectively.</p> <p>See Appendix B, slides 28-35 for reference.</p> <p><b>No questions were asked during this portion of the presentation.</b></p>		

<b>Conclusion:</b> N/A		
<b>Action Items:</b> N/A	<b>Person Responsible:</b> N/A	<b>Deadline:</b> N/A

Item 6	Next Steps and Submission of Project File Report	Discussion Leaders: ID
<p><b>The project team presented an overview of the next steps in the Project:</b></p> <ul style="list-style-type: none"> <li>- Project File Report (Class EA Report)</li> <li>- Notice of Study Completion and 30-Day Review Period</li> <li>- Detailed Design</li> </ul> <p>The draft Project File Report will be sent to the City, MECP, TRCA, and MRNF for review this month. Next, the plan is to finalize the draft Report in March based on comments received from the review agencies. Finally, we are looking to issue the Notice of Completion in mid to late March with the review period ending most likely in April.</p> <p><b>Question 6.1: Considering population updates, if the review comes up with higher numbers than what was used for this project in the past, how will you accommodate it?</b></p> <p><b>Response:</b> In terms of population, the numbers have not changed very much - it was the water demand/sewage generation rate that has changed. The current projected demand/rate is approximately half of what was initially estimated on project onset in 2014. All of this will need to be reviewed again in detailed design, to confirm infrastructure sizing based on anticipated needs.</p>		
<p><b>Conclusion:</b> N/A</p>		
<p><b>Action Items:</b> NA</p>	<p><b>Person Responsible:</b> NA</p>	<p><b>Deadline:</b> N/A</p>

*This confirms the recorder's interpretation of the discussions which occurred and our understanding reached during this meeting. Unless notified in writing within 7 days of the date issued, we will assume that this recorded interpretation or description is complete and accurate.*