MEETING AGENDA

Stakeholder Advisory Committee

Meeting No. 3

Northeast Vaughan Water and Wastewater Servicing – 75530/75130

Contract No: P-13-62

Date of Meeting: June 12, 2017
Time of Meeting: 6:30 – 9:00 pm
Location: Vaughan City Hall, 2141 Major Mackenzie Drive, Vaughan
Room #: Committee Room 242, located on second floor

Invitees:	Tammy Silverstone	- York Region
	Carolyn Truong	- York Region
	Jeff McNeice	- York Region
	Michael Frieri	- City of Vaughan
	Andrew Pearce	- City of Vaughan
	Deepak Panjwani	- City of Vaughan
	Al Steedman	- Schaeffers - Building Industry & Land Development Association (BILD)
	Robert Kenedy	- Mackenzie Ridge Ratepayers' Association - Community Associations within the water and wastewater service areas)
	Ken Schwenger	- Kleinburg & Area Ratepayers' Association - Community Associations within the water and wastewater service areas
	Gilbert Luk	- York Region District School Board - Local institutions
	Christine Hyde	- York Catholic District School Board - Local institutions
	George Guglielmin	- Resident - Interested residents living within the service areas
	Michael Testaguzza	- Resident - Interested residents living within the service areas
	Nik Mracic	- Cole Engineering Group - Businesses, Industrial & Commercial firms within the service areas
	Rosemarie Humphries	- Humphries Planning - Businesses, Industrial & Commercial firms within the service areas
	Joe Csafordi	- York Region Woodlot Association - Environmental/Special Interest groups
	Ian Dobrindt	- GHD
	Chris Hunter	- GHD
	Steve Overend	- GHD
	Erika Brown	- GHD

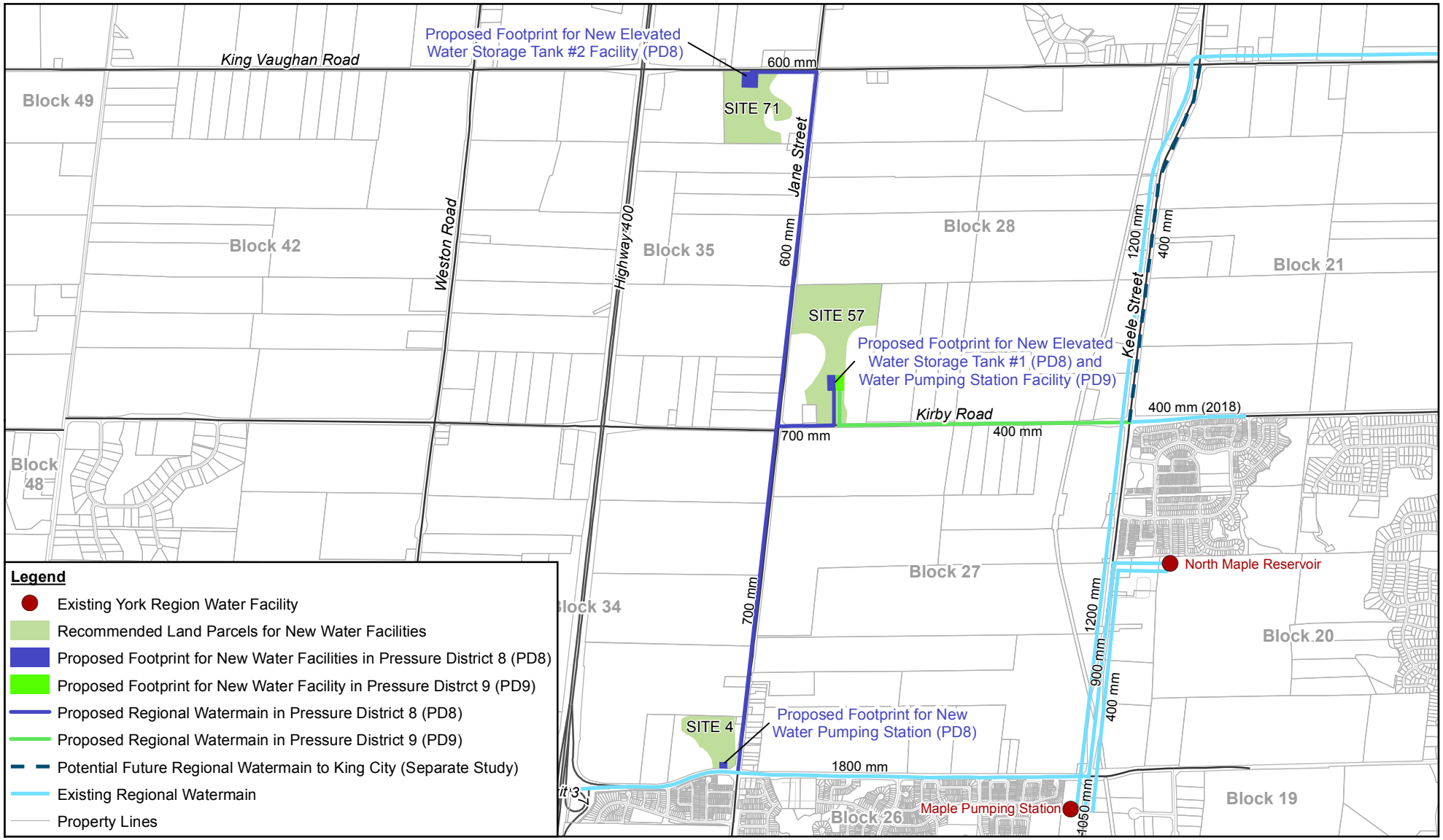
Facilitator:	Ian Dobrindt (CRA)
Meeting Purpose:	To obtain feedback on the recommended water storage sites and watermain routes and recommended sewer route prior to Open House No. 2 (refer to attached figures).

ITEM	TOPIC	TIME	DISCUSSION LEADER
1.	**Introductions and Project Update** • Welcome and meeting purpose • Project update and schedule	20 min	Ian and Tammy
2.	**Water and Wastewater Servicing Approach** • Overview of the servicing approach	5 min	Steve

3.	**Recommended Water and Wastewater Servicing Solutions**
	• New proposed water infrastructure and its location
	  ○ Water pumping station (Pressure District 8)
	  ○ Elevated water storage tank #1 (Pressure District PD8) and water pumping station (Pressure District PD9)
	  ○ Elevated water storage tank #2 (Pressure District 8)
	  ○ New watermains
	• New proposed sewer and its route
	  ○ Sewer route (three segments)
		40 min	Steve

	Break	10 min	
4.	**Water Facilities, Watermain and Sewer Construction** • Water facilities and watermain construction • Sewer construction	15 min	Steve
5.	**Site and Route Selection Process** • Site and route selection process and criteria considered	10 min	Ian
4.	**How the Environment Was Considered** • Natural environment • Archaeological and cultural heritage assessment • Existing and future land use • Social environment	30 min	Ian

ITEM	TOPIC	TIME	DISCUSSION LEADER
5.	**Project Status and Next Steps** • Preliminary design • Stakeholder Advisory Committee Meeting No. 4 (review of Project File)	5 min	Ian
7.	**Homework, Additional Questions, and Discussion**	15 min	Ian



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0 320 640 960
Meters

Coordinate System:
NAD 1983 UTM Zone 17N

REGIONAL MUNICIPALITY OF YORK
NORTHEAST VAUGHAN WATER AND WASTEWATER SERVICING CLASS EA

084419-00
Jun 6, 2017

MAP OF RECOMMENDED WATER INFRASTRUCTURE

FIGURE 1

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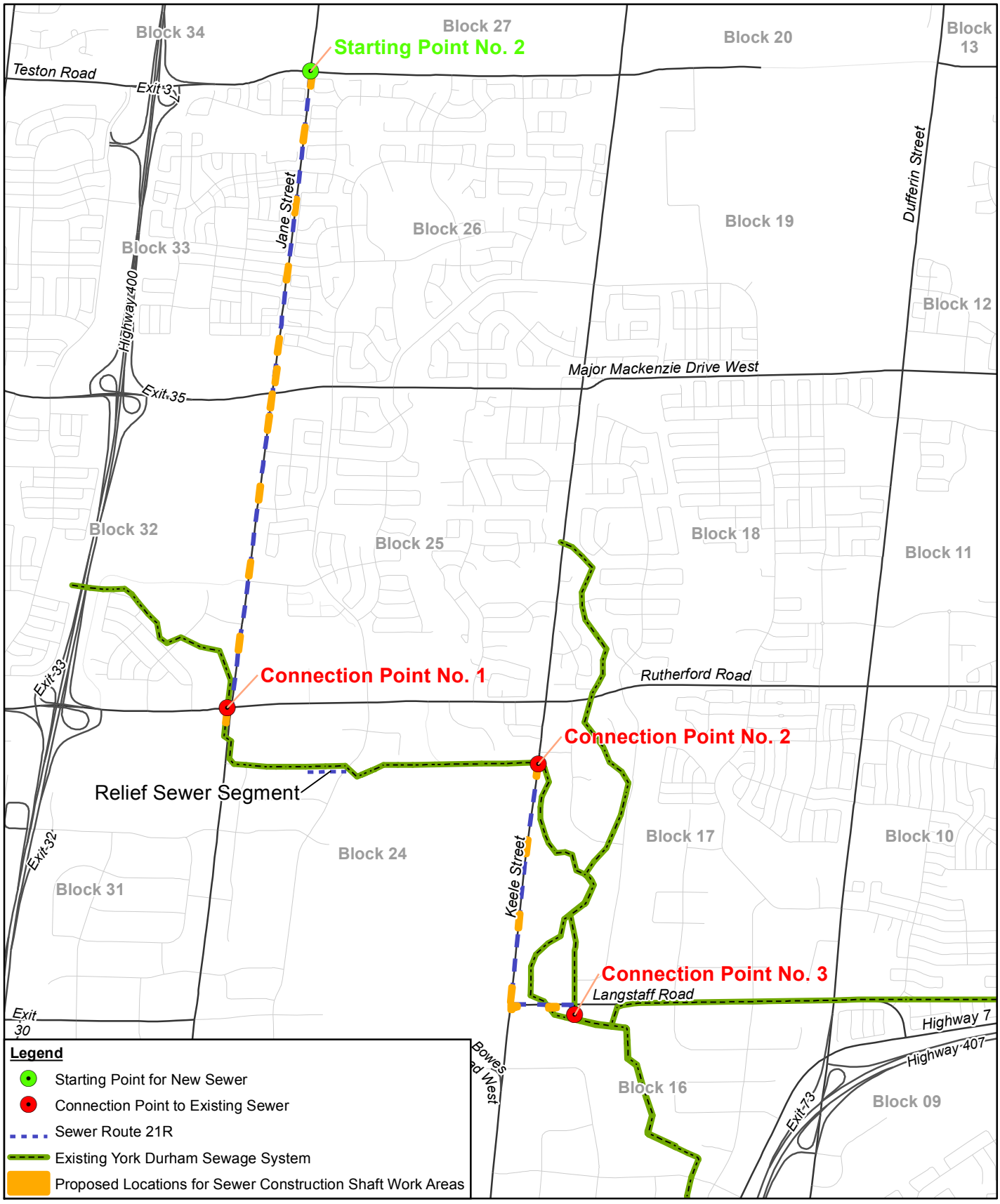

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Coordinate System:
NAD 1983 UTM Zone 17N

REGIONAL MUNICIPALITY OF YORK
NORTHEAST VAUGHAN WATER AND
WASTEWATER SERVICING CLASS EA

084419-00
Jun 6, 2017

MAP OF RECOMMENDED SEWER ROUTE

FIGURE 2

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MEETING MINUTES

Stakeholder Advisory Committee

Meeting No. 3

Northeast Vaughan Water & Wastewater Servicing – 75530/75130

Contract No: P-13-62

Date of Meeting: June 12, 2017
Time of Meeting: 6:30 – 9:00 pm
Location: Vaughan City Hall, 2141 Major Mackenzie Drive, Vaughan
Room #: Committee Room 242, located on second floor

Participants:	Tammy Silverstone (TS)	- York Region
	Carolyn Truong (CT)	- York Region
	Jeff McNeice (JM)	- York Region
	Mike Jankowski (MJ)	- York Region
	Michael Frieri (MF)	- City of Vaughan, Engineering & Planning
	Al Steedman (AS)	- Schaeffers, Building Industry & Land Development Association
	Robert Kenedy (RK)	- Mackenzie Ridge Ratepayers' Association, Community Associations within the water and wastewater service areas
	Joseph Pacione (JP)	- York Catholic District School Board
	George Guglielmin (GG)	- Interested resident living within the service areas
	Michael Testaguzza (MT)	- Interested resident living within the service areas
	Nick Karakis (NK)	- Cole Engineering Group, Businesses, Industrial & Commercial firms within the service areas
	Rosemary Humphries (RH)	- Humphries Planning, Businesses, Industrial & Commercial firms within the service areas
	Chris Hunter (CH)	- GHD
	Ian Dobrindt (ID)	- GHD
	Steve Overend (SO)	- GHD
	Erika Brown (EB)	- GHD
Facilitator:	Ian Dobrindt	
Meeting Purpose:	To obtain feedback on the recommended water storage sites and watermain routes and recommended sewer route prior to Open House No. 2 (refer to attached figures).	
Supplemental Material / Attachments	1. Attendee Sign-In Sheet 2. Copy of slide presentation	

Item 1.	Agenda Topic: Introductions and Project Update	Discussion Leaders: ID and TS

The project team presented the following:

1.1. Welcome

1.2. Safety Minute

1.3. Meeting Purpose

1.4. Introductions

1.5. Project Update

1.6. Overview of the Class Environmental Assessment (EA) Process and Current Phase

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
None	Not applicable	Not applicable

Item 2.	Agenda Topic: Water and Wastewater Servicing Approach	Discussion Leader: SO

The project team presented the following:

- Overview of the servicing approach
- Water and Wastewater Service Areas
- Water Infrastructure Needs

The following questions/comments and responses were provided during this portion of the presentation:

- ***Question 2.1 (AS):*** Is the identification of leaks in the sewer system part of York Region's Inflow and Infiltration (I&I) study? Is it complete and what are the recommendations? ***Response:*** York Region has an ongoing program (i.e an Inflow and Infiltration (I&I) Program) to identify and repair sewer leaks, including a partnership program with area municipalities and a Regional inspection and rehabilitation program. While the Region's program has reduced the amount of I&I in the targeted areas of the sewer system, York Region still includes consideration for a percentage of I&I in its modelling work, to be conservative in the planning of new infrastructure. York Region's model also assumes 25-year storm event, which is conservative.
- ***Question 2.2 (AS):*** Is there opportunity through this project to bridge the gap between existing infrastructure and proposed new infrastructure so that development can continue in Vaughan without a timeline gap? ***Response:*** With construction for this project being deferred, York Region made a commitment to the development community to at least advance the Class EA study and detailed design so that it would be "shovel ready" in the event that the construction budget becomes available earlier. Other studies to optimize existing infrastructure (such as installation of a new pump at Maple Pumping Station) are ongoing to allow some development to continue in the meantime.
- ***Question 2.3 (RK):*** Why are the developers not funding some of this infrastructure? The development charges in York Region need to be higher. ***Response:*** For this type of project, because it is driven by growth, it is ultimately paid for through development charges. The Region must borrow the funds upfront to advance capital projects, and then as the development charges come in, the debt is paid down, including any interest accrued. The situation that the Region is currently in is that the development charges have not come in as quickly as predicted. In order to rebalance its debt, the Region has deferred the construction of some larger projects, such as this one, until such time as sufficient development charges come in.
- ***Question 2.4 (RK):*** We are paying more as citizens, particularly in water charges, so this worries me quite a bit. We are not happy with the current situation. ***Response:*** York Region is quite a young

municipality, so the infrastructure is relatively new. But with the infrastructure starting to age, more reserve funds are needed to do the upgrading and rehabilitation works. In order to pay for the upgrades, the water rate charges have to increase.

- ***Comment 2.5 (MF):*** The City of Vaughan needs this new infrastructure to service four major blocks. Developers are being put in an awkward spot because they are being asked to front somewhere between $100 and $150 million. The City is trying to negotiate with both parties and hoping to reduce the timelines for constructing this proposed infrastructure. 2028 has been established as the construction target date. In this case, development might have to be halted or the City will have to optimize our infrastructure to stretch it further.
- ***Question 2.6 (AS):*** The servicing of this area is almost completely dependent upon an agreement that allows York Region to purchase water supply from Peel Region. Does York Region need to renegotiate its agreement with Peel Region as part of this project? It is understood that since York Region's water usage has not been as high as anticipated, Peel Region is making use of the spare capacity for their own development needs. Can York Region confirm if the agreement with Peel Region is sufficient to accommodate the water demands of the proposed new infrastructure in Northeast Vaughan? ***Response:*** The agreement with Peel Region for water supply is negotitated and maintained outside of this Class EA Study, and would have been looked at as part of the Region's water and wastewater master planning. York Region representatives of the master planning team will be consulted to confirm that the appropriate agreements are or will be in place (**ACTION ITEM**).
- ***Question 2.7 (GG):*** Why are water consumption rates decreasing? ***Response:*** York Region has implemented a number of water conservation initiatives, such as its educational and promotional work on water efficient gardens, rain barrel usage and low-flow household water fixtures, which have proven to be successful in reducing water consumption.

Conclusion:
N/A

Action Items:	**Person Responsible:**	**Deadline:**
(Action item noted in the above minutes)	Not applicable	Not applicable

Item 3.	**Agenda Topic: Recommended Water and Wastewater Servicing Solutions**	**Discussion Leader:** SO

The project team presented the following:

- New proposed water infrastructure and its location
- Water pumping station (PD8)
- Elevated water storage tank #1 (PD8) and water pumping station (PD9)
- Elevated water storage tank #2 (PD8)
- New watermains
- New proposed sewer and its route
- Sewer route (three segments – 2028, 2041, 2051)

The following questions/comments and responses were provided during this portion of the presentation:

- ***Question 3.1 (NK):*** Has the land been acquired for this infrastructure yet? ***Response:*** No property has been acquired yet for the proposed new infrastructure. York Region has had some preconsultations with with the landowners of the proposed water facility sites. Following the upcoming round of public consultation and confirmation of the recommended new infrastructure, further landowner discussions and negotiations will take place.
- ***Question 3.2 (NK):*** I see that you have noted that water construction may begin as early as 2025 – does that include all watermains, pumping stations and elevated tanks? ***Response:*** Yes, the proposed

construction start date of 2025 would include all of the proposed water infrastructure. The target date for completion of construction is 2028.

- ***Question 3.3 (AS):*** Is the King City watermain, noted as being part of a separate study on the mapping, included in this study? Would funding for this watermain be included in development charges? ***Response:*** No, the King City watermain is being reviewed and completed as a redundancy study. Infrastructure redundancy and improvement work is funded through the Region's infrastructure improvement budget, and not through development charges.
- ***Question 3.4 (NK):*** Did York Region look at increasing capacity at the Maple Pumping Station instead of building the new pumping station at Jane and Teston? ***Response:*** Yes, the project team did investigate the feasibility of increasing capacity at the existing Maple Pumping Station instead of building a new pumping station, but ultimately it would be more expensive than building the new pumping station at Jane and Teston and has several constructability challenges.
- ***Question 3.5 (MF):*** Has York Region looked at removing the PD9 Pumping Station on Kirby Road and instead increasing the height of the elevated tank proposed at Site 71? This would enable servicing of both PD8 and PD9. ***Response:*** GHD would need to review this strategy in detail, but some initial thoughts are that the PD8 pumps at the new Jane and Teston pumping station would have to be upgraded to account for the additional tank height, since it would need to pump water to a higher elevation to meet the pressure requirements of PD9. Also, watermains servicing PD8 would likely need to be isolated from the tank supply main via pressure reducing valves to avoid over-pressurizing PD8. GHD will review this proposal in more detail and advise (**ACTION ITEM**).
- ***Question 3.6 (GG):*** Does the recommendation assume both tanks are built at the same time? ***Response:*** While it may be possible to delay construction of the second tank by a year or two, based on the timing of the water needs, it may make more sense to build them together as there are likely to be some cost efficiencies in constructing them at the same time.
- ***Question 3.7 (AS):*** The Water and Wastewater Master Plan arrow showing sewage conveyance starts north of Teston Road, so should this study not include sewage infrastructure north of Teston? ***Response:*** The Northeast Vaughan Class EA has reviewed options for the starting point of the new Regional sewer and Teston Road will be the northern limit. The area north of Teston Road is to be serviced by the City of Vaughan, which is consistent with the City's current Master Plan.
- ***Comment 3.8 (MF):*** The City of Vaughan recommends that York Region maximize the sewer to 1200 mm in diameter to handle additional capacity. ***Response:*** The minimum diameter required for the new sewer is 1050 mm for this study (based on the modelling work). The Region will be reviewing the merits of upsizing the sewer. GHD notes that a 1200mm diameter sewer is a more common size for the trenchless technology being considered for construction.
- ***Question 3.9 (AS):*** Should this study not consider full build-out scenarios for the proposed new infrastructure, and, therefore, upsize the sewer pipes to the maximum possible diameter? We do not want to be short-sighted. ***Response:*** The Northeast Vaughan Class EA is looking at servicing needs to 2051, which is beyond the 2041 planning horizon for the Master Plan, to ensure sufficient water and wastewater servicing capacity will be available. Conservative planning and designs need to be balanced against the hydraulic consequence to making sewer pipes too big, for example. If the sewer pipes are designed too large, low wastewater flows can result, especially in the earlier years. The sewage then stays in the pipes for too long and eventually begins to degrade, releasing gases which can cause odour and corrosion issues. The project team will evaluate in more detail what degree of sewer diameter upsizing is feasible and reasonable for the Northeast Vaughan service area.
- ***Question 3.10 (GG):*** Why do the dates for the sewer and water infrastructure not match up? ***Response:*** The proposed new trunk sewer will be required earlier to convey the anticipated wastewater from the service area to the existing York Durham Sewage System. The Regional system will have some additional water servicing capacity through the Maple Pumping Station upgrades.

- ***Question 3.11 (AS):*** Is York Region looking at any renewable energy sources to power these pumping stations, including wind energy? ***Response:*** Yes, York Region is managing several sustainable energy use initiatives, including a solar panel installation program at several of its water and wastewater facilties. It is not known if the Region's initiatives consider wind energy as an alternate energy source – this will be investigated further and opportunities for this project will be explored (**ACTION ITEM**).

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
(Action items noted in the above minutes)	Not applicable	Not applicable

Item 4	Agenda Topic: Water Facilities, Watermain and Sewer Construction	Discussion Leader: SO

The project team presented the following:

4.1 Water facilities and watermain construction

4.2 Sewer construction

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
None	Not applicable	Not applicable

Item 5	Agenda Topic: Site and Route Selection Process	Discussion Leaders: ID

The project team presented the following:

5.1 Site and route selection process and criteria considered

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
None	Not applicable	Not applicable

Item 6.	Agenda Topic: How was the Environment Considered	Discussion Leaders: ID

The project team presented the following:

6.1. Natural environment

6.2. Archaeological and cultural heritage assessment

6.3. Existing and future land use

6.4. Social environment

6.5. Identification of Recommended Water Storage Sites and Watermain Routes

The following question and response was provided during this portion of the presentation:

- ***Question 6.1 (AS):*** Are you specifically engaging with First Nation and Metis communities? Will you be inviting them to the Open House? ***Response:*** Yes, invitations to the upcoming project Open House have been extended to First Nations and Metis stakeholders, and the project team is following up directly with offers to meet with them one-on-one, at their convenience.

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
None	Not applicable	Not applicable

Item 7.	Agenda Topic: Project Status and Next Steps	Discussion Leaders: ID

The project team presented the following:

7.1. Preliminary design

7.2. Technical Advisory Committee Meeting No. 4 (review of Project File)

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
None	Not applicable	Not applicable

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.