MEETING AGENDA

Technical 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: 2:00 – 4:30 pm
Location: Vaughan City Hall, 2141 Major Mackenzie Drive, Vaughan
Room #: Committee Room 242, located on second floor

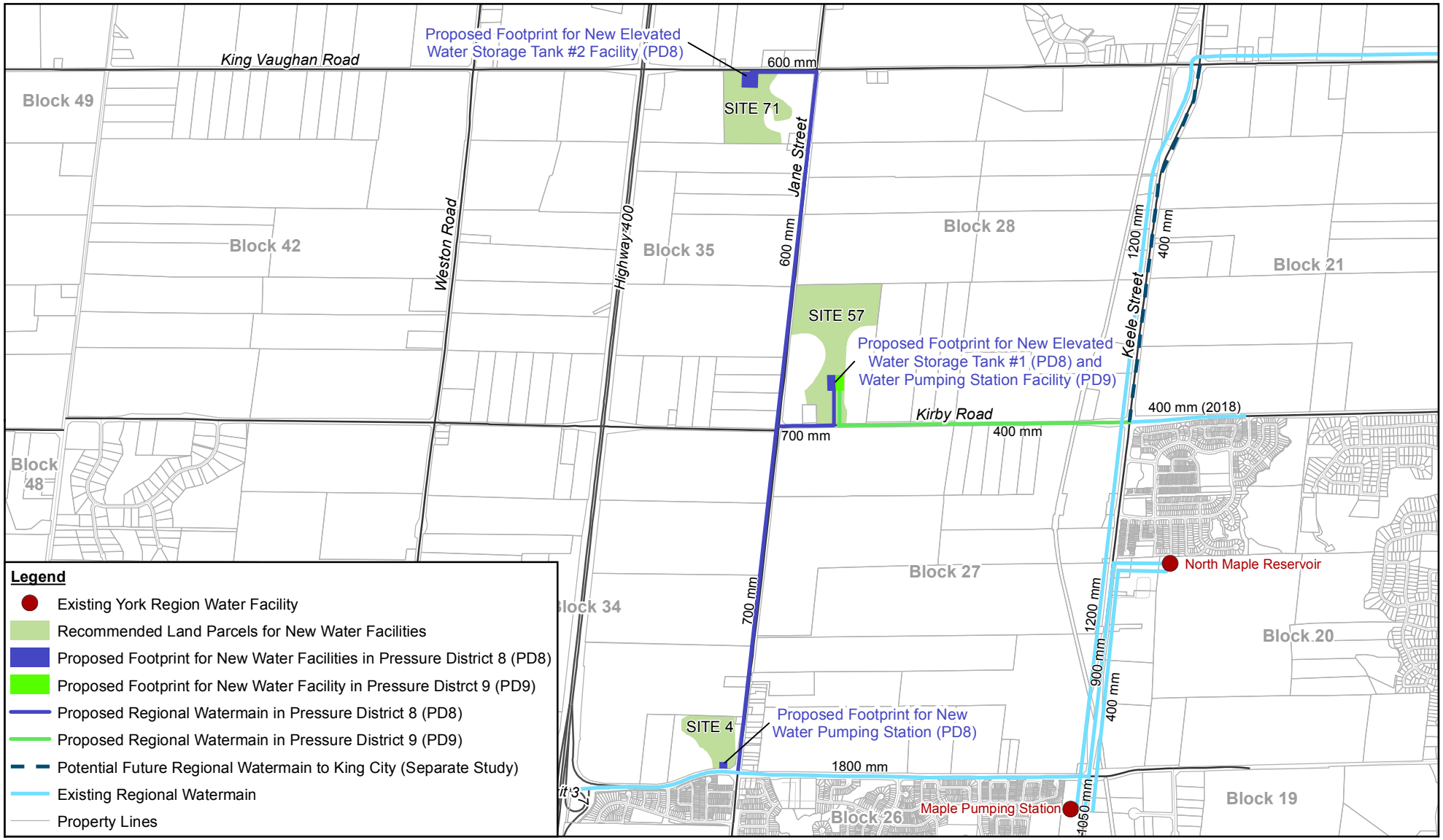
Invitees:	Tammy Silverstone	-	York Region
	Carolyn Truong	-	York Region
	Jeff McNeice	-	York Region
	Michael Frieri	-	City of Vaughan
	Tony Artuso	-	City of Vaughan
	Deepak Panjwani	-	City of Vaughan
	Harsimrat Pruthi	-	Toronto and Region Conservation Authority
	Nisha Shirali	-	Ministry of the Environment and Climate Change
	Dan Della Mora	-	Ministry of Transportation
	Stefan Linder	-	Canadian National Railway Company
	Ian Dobrindt	-	GHD
	Chris Hunter	-	GHD
	Steven Overend	-	GHD
	Erika Brown	-	GHD
Facilitator:	Ian Dobrindt (CRA)		
Meeting Purpose:	To obtain feedback on the recommended water storage sites, water pumping station sites, watermain routes and 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

ITEM	TOPIC	TIME	DISCUSSION LEADER

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
5.	**Project Status and Next Steps** • Preliminary design • Technical 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

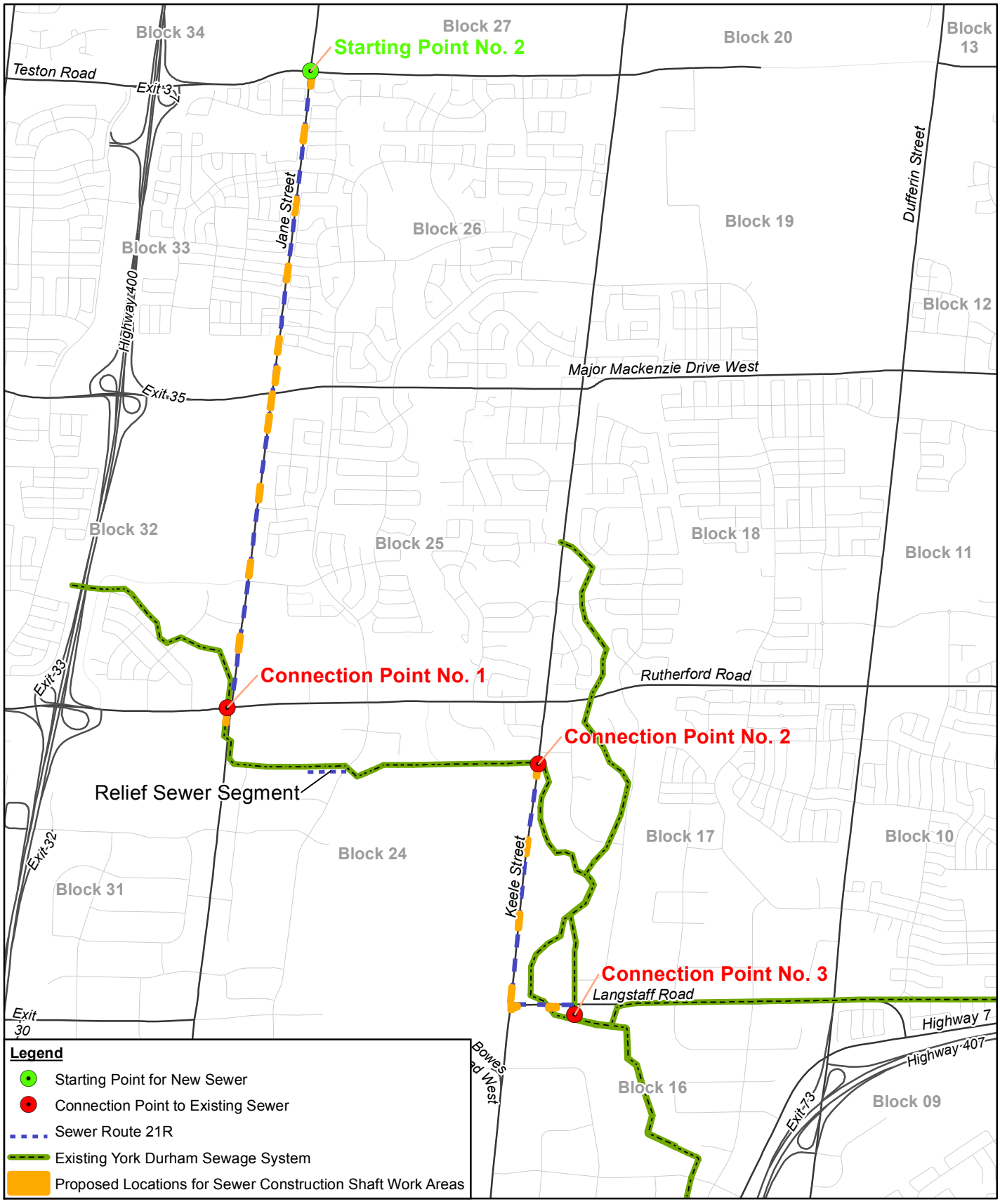
REGIONAL MUNICIPALITY OF YORK
NORTHEAST VAUGHAN WATER AND WASTEWATER SERVICING CLASS EA

084419-00
Jun 6, 2017

MAP OF RECOMMENDED WATER INFRASTRUCTURE

FIGURE 1

GIS File: Q:\GIS\PROJECTS\84000s\84419\Layouts\INT060\084419-00(INT060)GIS-OT001.mxd



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Coordinate System: NAD 1983 UTM Zone 17N

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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

Technical 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: 2:00 – 4:30 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
	Tony Artuso (TA)	- City of Vaughan, Engineering & Planning
	Deepak Panjwani (DP)	- City of Vaughan, Engineering & Planning
	Katrina Guy (KG)	- City of Vaughan, Heritage Coordinator, Cultural Heritage
	Don Ross (DR)	- City of Vaughan, Manager of Water Services
	Ruth Rendon (RR)	- City of Vaughan, Environmental Planner
	Chris Wolnik (CW)	- City of Vaughan, Manager of Wastewater & Stormwater Services
	Moira Wilson (MW)	- City of Vaughan, Urban Design
	Harsimrat Pruthi (HP)	- Toronto and Region Conservation Authority
	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

York Region explained to the Committee that the Class EA work was extended in duration to coordinate with concurrent Regional studies, including the Water and Wastewater Master Plan update, water demand studies and planning studies. The Class EA study is now proceeding with its second Public Open House at the end of June, where the recommended water and wastewater servicing solution will be presented. The draft Class EA report will be presented to Committee for input in early 2018.

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

- ***Question 1.1 (DP):*** Is there a significant change in the project since it was last presented to the public in April 2015? ***Response:*** The project objectives have remained the same since the last public meeting and the information presented at that time is still valid. At the April 2015 Open House, the project purpose was presented and the overall servicing strategy of optimizing/upgrading existing infrastructure and constructing new infrastructure was recommended. Since that time, more detailed study has been carried out and the specific servicing solutions, which include the recommended water facility sites and watermain/sewer routes have been identified.

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:

2.1. Overview of the servicing approach

2.2. Water and Wastewater Service Areas and Instructure Needs

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

- ***Question 2.1 (DP):*** How are you identifying leaks in the sewer system? ***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.
- ***Question 2.2 (CW):*** Has York Region accounted for these I&I reductions as part of this study? It is not advisable to count on I&I reductions for future flow planning. ***Response:*** 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.
- ***Question 2.3 (DP):*** It seems that York Region generally identifies areas of I&I and then the responsibility seems to fall to the Local Area Municipality (LAM) to address them. Can York Region

share the I&I reduction numbers with the City of Vaughan? ***Response:*** York Region's I&I program considers both the local and Regional systems, and is working in partnership with municipalities to rehabilitate affected areas of the system. The York Region lead for this program will be consulted and more information will be provided. (**ACTION ITEM**).

- ***Question 2.4 (MF):*** Does York Region have the population projections for the areas that this infrastructure is proposed for to 2051? Will this be clear in the EA documentation? ***Response:*** York Region's Long-Range Planning group reviews the provincial growth plan projections and develops a population distribution across the Region based on this information. The Region's water system model is in turn developed based on this population distribution. Documentation on the planning projections will be available in the EA Project File. (**ACTION ITEM**).
- ***Question 2.5 (MF***): Has the proposed infrastructure taken into account the City of Vaughan's requirements for connecting into it so the population growth can be accommodated? ***Response:*** This project will provide the base infrastructure required for the City of Vaughan to connect into in order to accommodate the population growth in the service areas.
- ***Question 2.6 (DP):*** How were the water needs estimated for this study? ***Response:*** York Region's Water and Wastewater Master Plan Update determined needs based on water consumption rates. For this project the estimated per capita consumption rate is approximately 185 Litres per capita per day.
- ***Question 2.7 (MF):*** Was York Region proposing infrastructure in Pressure District 7 (PD7) back in 2015? ***Response:*** Yes, there was a water storage requirement identified for PD7 in 2015, but it has since been determined that PD6 has spare capacity that can accommodate the needs of PD7.
- ***Question 2.8 (MF):*** Is there residual pumping capacity in PD6? Will fire flow and storage requirements be documented in the Class EA report? ***Response:*** Yes, there is available pumping capacity in PD6 to service PD7. Yes, the fire flow and storage requirements will also be documented in the Class EA report.
- ***Question 2.9 (MF):*** There are additional pockets of PD7 near Highway 50 that are not shown on the presentation map and do not seem to be considered as part of this study, nor were they considered in York Region's Water and Wastewater Master Plan Update. How are they being serviced? Whose responsibility is it to service these areas? ***Response:*** The PD7 areas near Highway 50 are understood to be within the boundaries of York Region's West Vaughan study. The project manager for that study and the Region's Master Planning group will be consulted, and more information about the Region's servicing plans for the subject PD7 areas will be provided. (**ACTION ITEM**).
- ***Question 2.10 (TA):*** The City of Vaughan had requested that York Region look into splitting PD-KN. Does this study account for that? ***Response:*** York Region has received the request from the City of Vaughan to convert/split PD-KN into PD6 and PD7, and it is being reviewed by the Infrastructure Asset Management Branch independently of the Northeast Vaughan Water and Wastewater Servicing Class EA. The Northeast Vaughan Class EA has reviewed the feasibility of a connection between PD7 and PD-KN along Teston Road, for Block 55, operating solely under high demand conditions. The feasibility of a limited westerly extension of PD7 into part of Block 55 is currently under review and results will be provided to the City once available.

Conclusion:
N/A

Action Items:	**Person Responsible:**	**Deadline:**
(Action items 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:

3.1. 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

3.2. 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 (CW):*** Is there an outlet for the dry pond proposed at Site 57? ***Response:*** There will be an outlet for the dry pond at both elevated tank sites, the details of which will be developed during preliminary design. It is likely that the dry pond will discharge to the roadside ditch line on Kirby Road, but this will be more specifically reviewed during the upcoming preliminary design stage.
- ***Question 3.2 (MF):*** Is it important to identify the location and number of stubs for City of Vaughan watermain connections at this time? Since the City does not yet know where these will be required, and will not know with any certainty for a number years, where the major roads/infrastructure would be in these areas, it is difficult to provide stub locations to York Region. The City of Vaughan should not be limited in this respect and would like to have input on the location of these connections. ***Response:*** The City of Vaughan is encouraged to submit a preliminary proposal of watermain connection locations, which the Class EA team will review in consultation with the Region's Infrastructure Asset Management Branch. If the location of these connection stubs are not identified by the completion of preliminary design, a related note can be made in the predesign report, which the City of Vaughan will have an opportunity to review and provide comments on.
- ***Comment 3.3 (TA):*** It is recommended to remove Sites 10, 39 and 55 in the visualization video when presented at the Public Open House at the end of June. ***Response:*** The project team will remove Sites 10, 39 and 55 in the version that will be presented to the public. Only the recommended water infrastructure will be shown (**ACTION ITEM**).
- ***Question 3.4 (MW):*** Is there an opportunity for Vaughan to contribute to the design of the elevated tanks, particularly the aesthetic components? When would the City of Vaughan submit these comments on design and functionality? ***Response:*** It is recommend that the City of Vaughan discuss this matter internally and submit their comments formally through the EA.
- ***Question 3.5 (MW):*** Has anyone considered Site 57 being across the road from residential development? ***Response:*** The future land use surrounding Site 57 was considered. The proposed water facility was in fact moved from its original recommended location in Block 27 to Block 28, to avoid the new community area planned for Block 27. The future plans for Block 28 are not yet known.
- ***Question 3.6 (MW):*** How tall are the elevated tanks proposed to be? ***Response:*** The elevated tank at Site 71 is proposed to be approximately 32 metres in height, and the elevated tank at Site 57 is proposed to be approximately 38 metres in height.
- ***Question 3.6 (ID):*** How long does it take for the Block Plan planning process from start to finish? ***Response:*** Approximately 10 years, starting with subwatershed planning, followed by secondary planning, and then Master Environmental Servicing Planning.

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
(Action item 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

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

- ***Question 4.1 (DP):*** Why is York Region identifying the construction methodology at this stage? ***Response:*** Since construction compounds are quite large and can sometimes encroach on property, York Region is including as much information about construction methodology as possible during the EA stage and is consulting with the potentially impacted stakeholders. As more information is obtained through detailed design, further detail will be confirmed regarding the construction methodology.
- ***Question 4.2 (TA):*** How long is the distance between shaft compound locations with microtunnelling? ***Response:*** The distance between shaft locations for Microtunelling is approximately 500 metres. In terms of construction duration, each shaft compound location typically only needs to be maintained over one construction season, which offers benefits over the use of a Tunnel Boring Machine (TBM), which is directly person-operated and requires much larger shaft compounds for the full duration of project 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

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

- ***Question 5.1 (DP):*** Did the evaluation take into consideration effects on businesses? ***Response:*** Yes, the evaluation did take into consideration effects on businesses. For example, the evaluation included consideration for the number of accesses to businesses along each watermain and sewer route. During construction projects, York Region works with business owners to maintain their existing site access, or to provide temporary access at all times.
- ***Comment 5.2 (MW):*** Site 71 is within an area of Cultural Heritage landscape/character, so new infrastructure located there would need to be in keeping with the existing aesthetic. ***Response:*** The Cultural Heritage landscape and character at Site 71 will be considered in preliminary design of the elevated water storage tank (**ACTION ITEM**).

Conclusion:
N/A

Action Items:	Person Responsible:	Deadline:
(Action item noted in the above minutes)	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 questions/comments and responses were provided during this portion of the presentation:

Comment 6.1 (RR): The City of Vaughan Parks department will need to be engaged to ensure that the proposed routes do not impact any trails. Local councilors will need to be engaged regarding anticipated traffic disruptions. ***Response:*** York Region acknowledges this comment.

Question 6.2 (DP): This seems to be well above the level of detail for a typical Class EA. The City of Vaughan's concern is that York Region is moving further ahead in the design than would usually be expected and the City does not have the equivalent level of detail regarding future development, etc. to comment at this stage. ***Response:*** The Northeast Vaughan study is going above the minimum requirements for a Schedule "B" Class EA, in order to adequately address the potential for environmental effects associated with the proposed infrastructure. This approach allows the Region to develop appropriate preliminary designs and mitigation measures, for example, at the EA stage in order to minimize the possibility of encountering later in the project design stage.

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)

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

Question 7.1 (MF): Does York Region have budget approval for detailed design? ***Response:*** Yes, York Region has approved budget and a commitment to stakeholders to have the Class EA study and detailed design completed. Once the detailed designs are complete, the project will be paused until the approved construction timeline, which is currently a 2025 commencement based on the Region's current budget. The designs will need to be revisited before construction, to confirm they are still valid. With this in mind, the project team is building some flexibility into the construction methodology. For example, the Class EA can note that the watermain installation will be completed with a "trenchless construction", which leaves flexibility for the type of method to be tunneling, horizontal directional drilling or some other method.

Question 7.2 (RR): How long can the Class EA study sit on the shelf? ***Response:*** The current Class EA validity period is 10 years from completion of the EA to the start of construction.

Question 7.3 (MF): Can GHD present to City of Vaughan Council around the time of drafting the ESR? The City would need about three of four months' advance notice. ***Response:*** Yes, York Region and GHD can present the content of the Class EA project file to City of Vaughan Council once the draft Project File report is available later in 2017.

Comment 7.4 (RR): Please add all TAC attendees to the project contact list and distribute the notice of Public Open House to them (**ACTION ITEM**). ***Response****:* York Region can certainly add all attendees of the meeting to the project contact list and distribute the notice of Public Open House to them.

Comment 7.5 (CW): A June 29 consultation event may mean fewer attendees. ***Response:*** York Region felt it was important to hold the second and last public meeting before the summer. York Region understands that an earlier date would have been preferable, but this was not feasible based on the project schedule. The project team does expect that few more members of the public will attend than the previous Open House meeting, since a personal mailout was sent to all property owners surrounding the proposed new infrastructure.

Comment 7.6 (CW): Has the Region considered alternate forms of public outreach, such as through social media and online forums. ***Response:*** Yes, York Region has posted its Notice of Open House on its website, and on social media platforms such as Facebook and Twitter. There is currently no online forum planned for the project, although the Region has started to try some of these models on other studies, such as on the Transportation Master Plan update project, where interactive surveys and information was presented online.

Conclusion:
N/A

Action Items:	**Person Responsible:**	**Deadline:**
(Action item noted in the above minutes)	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.

SIGN-IN

Technical Advisory Committee Meeting No. 3

Northeast Vaughan Water & Wastewater Servicing – 75530/75130

Contract No: P-13-62

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Stakeholder Advisory Committee Member	Organization	Signature
Ms. Tammy Silverstone	York Region	
Ms. Carolyn Truong	York Region	
Mr. Jeff McNeice	York Region	
Mr. Michael Frieri	City of Vaughan, Engineering & Planning	
Mr. Tony Artuso	City of Vaughan, Engineering & Planning	
Mr. Deepak Panjwani	City of Vaughan, Engineering & Planning	
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Mr. Stefan Linder	Canadian National Railway Company	

Katrina Guy City of Vaughan, Cultural Heritage

Don Ross CofV, Mgr of Water Services

Mike Jankowski YR, Design Technician – Summer Student

Ruth Rendon City of Vaughan, Environmental Planner

Chris Wozniak City of Vaughan, Manager - WW & SW Services

Moira Wilson " " Urban Design