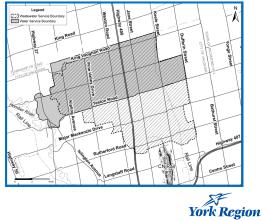
# NORTHEAST VAUGHAN WATER AND WASTEWATER SERVICING PROJECT

**Stakeholder Advisory Committee** 

Meeting No. 2

April 8, 2015 6:30 p.m. to 9:00 p.m. Vaughan City Hall Committee Room 246



## **Introduction and Purpose**

#### Meeting Purpose:

 To obtain feedback on the recommended water and wastewater servicing solutions and potential water and wastewater infrastructure sites and routes prior to Public Consultation Centre No. 1



# **Meeting Outline**

- 1. Introductions
- 2. Water and Wastewater Service Areas
- 3. Water and Wastewater Servicing Solutions
- 4a. New Water Infrastructure

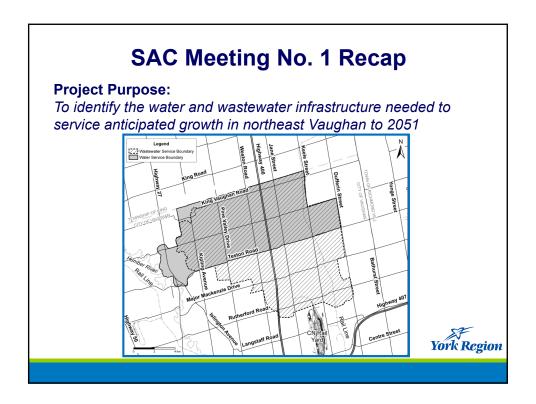
#### **BREAK**

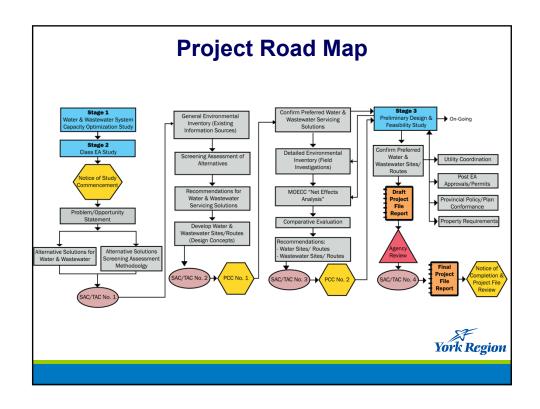
- 4b. New Wastewater Infrastructure
- Proposed Evaluation Methodology and Criteria for Assessing Alternative Sites/Routes
- 6. Public Consultation Centre No. 1
- 7. Project Status and Schedule
- 8. Next Steps and Future Meetings
- 9. Homework, Additional Questions and Discussion

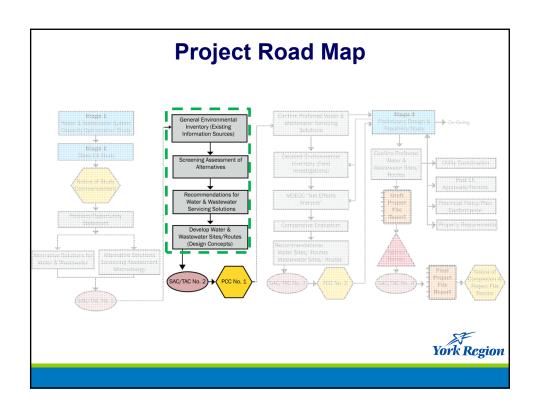


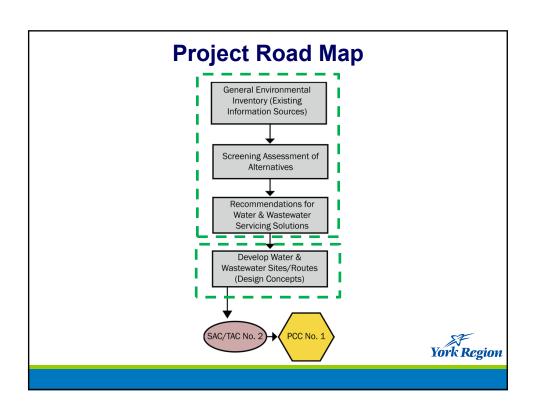
#### 1. Introductions











## **Homework Review**



Study Area Considerations

Filling Vacant Memberships

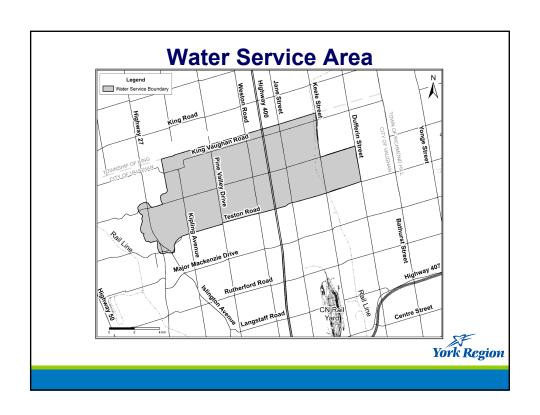
Action Items from SAC Meeting No. 1

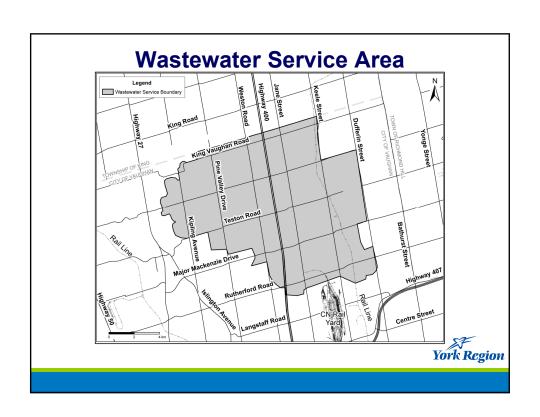
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Images from NounProject.com

## 2. Water and Wastewater Service Areas







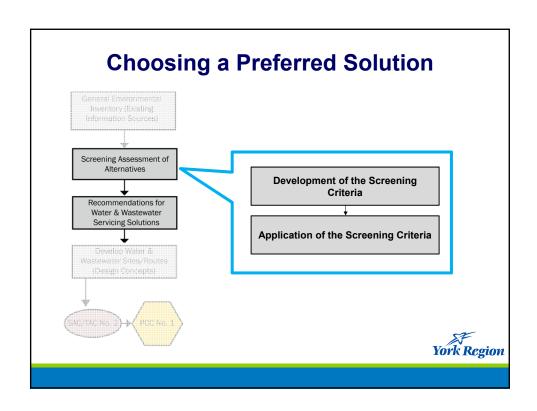
# 3. Water and Wastewater Servicing Solutions



## **Alternative Solutions Considered**

	Water Alternatives	Wastewater Alternatives
	Do Nothing	Do Nothing
-	Optimize Existing Water System Performance	Optimize Existing Wastewater System Performance
	Upgrade and/or Expand Existing Water Infrastructure	Upgrade and/or Expand Existing Wastewater Infrastructure
	Construct New Water Infrastructure	Construct New Wastewater Infrastructure





Problem / Opportunity Statement	1	Can the alternative satisfy the problem/opportunity statement?
	2	Is the alternative able to meet the purpose of the Environmental Assessment Act?
Provincial Growth.	3	Is the alternative consistent with the Provincial Policy Statement?
Environmental Policies and Legislation	4	Is the alternative consistent with the Growth Plan for the Greater Golden Horseshoe'
and Legislation	5	Is the alternative consistent with the Greenbelt Plan?
	6	Is the alternative consistent with the Oak Ridges Moraine Conservation Plan?
	7	Is the alternative consistent with York Region's Official Plan?
Regional / Municipal	8	Is the alternative consistent with York Region's 2009 Water and Wastewater Master Plan Update?
Plans, Strategies and Programs	9	Is the alternative consistent with York Region's Sustainability Strategy for Water and Wastewater Servicing (2008)?
	10	Is the alternative consistent with the City of Vaughan's 2014 Water and Wastewater Master Plan?
Proven Technology /	11	Does the alternative represent proven technology?
Technical Feasibility	12	Is the alternative constructible?
Financial Viability /	13	Is the alternative financially viable?
Ability to Implement	14	Is the alternative within the ability of York Region to implement?

# **Screening Assessment Results - Water**

	Alternative No. 1: Do Nothing	Alternative No. 2: Optimize Existing Water System Performance	Alternative No. 3: Upgrade and/or Expand Existing Water Infrastructure	Alternative No. 4: Construct New Water Infrastructure
Problem / Opportunity Statement	*	<b>√/</b> ≭	<b>√/</b> ≭	<b>✓</b>
Provincial Growth, Environmental Policies and Legislation	*	<b>√/</b> ≭	<b>√/</b> ₩	<b>~</b>
Regional / Municipal Plans, Strategies and Programs	*	<b>√/</b> ≭	<b>√/</b> ₩	<b>~</b>
Proven Technology / Technical Feasibility	N/A	<b>✓</b>	<b>✓</b>	<b>~</b>
Financial Viability / Ability to Implement	<b>*</b>	<b>✓</b>	<b>~</b>	<b>~</b>

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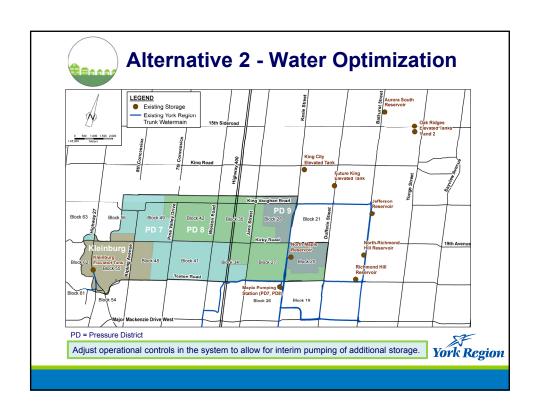
# **Screening Assessment Results - Wastewater**

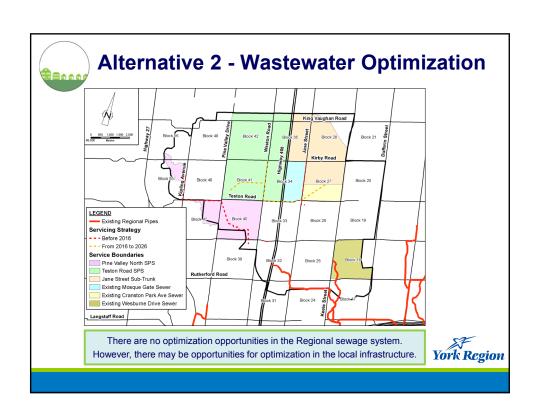
	Alternative No. 1: Do Nothing	Alternative No. 2: Optimize Existing Wastewater System Performance	Alternative No. 3: Upgrade and/or Expand Existing Wastewater Infrastructure	Alternative No. 4: Construct New Wastewater Infrastructure
Problem / Opportunity Statement	*	<b>√/</b> ≭	<b>√/</b> ₩	<b>~</b>
Provincial Growth, Environmental Policies and Legislation	*	<b>√/</b> ≭	<b>√/</b> ≭	<b>✓</b>
Regional / Municipal Plans, Strategies and Programs	*	<b>√/</b> ≭	<b>√/</b> ≭	<b>✓</b>
Proven Technology / Technical Feasibility	N/A	<b>*</b>	<b>✓</b>	<b>~</b>
Financial Viability / Ability to Implement	<b>~</b>	<b>~</b>	<b>~</b>	<b>✓</b>

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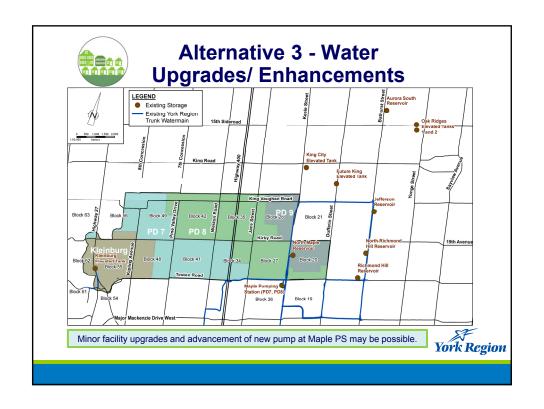


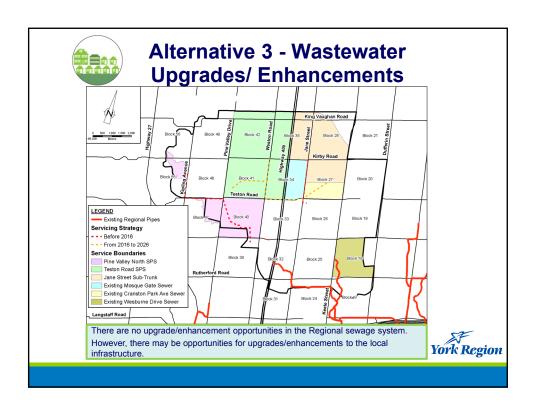








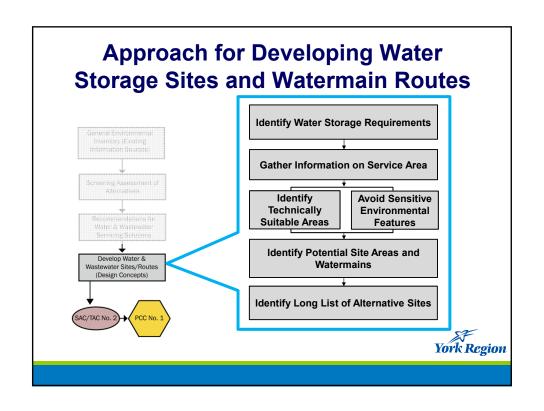


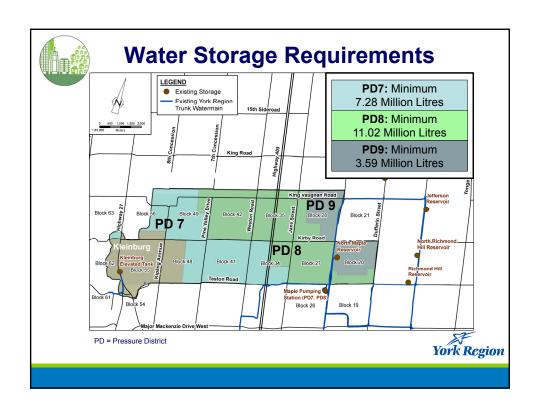


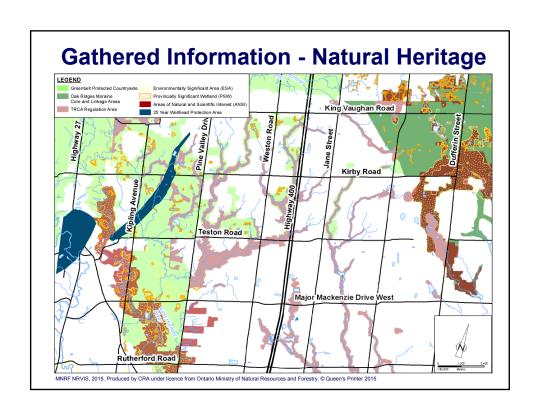
# 4a. New Water Infrastructure

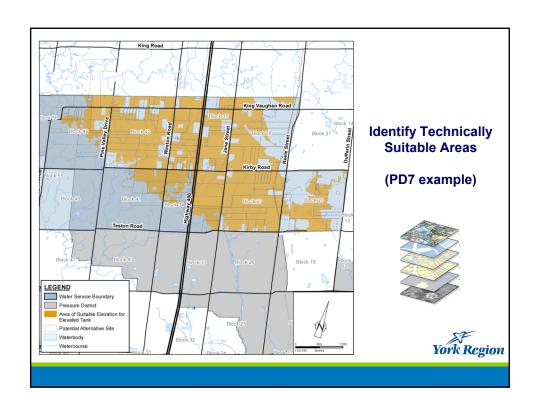


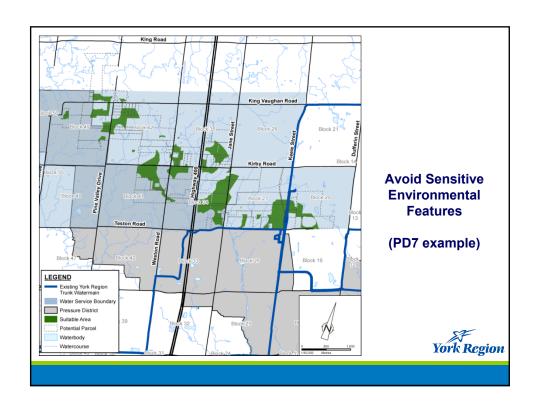


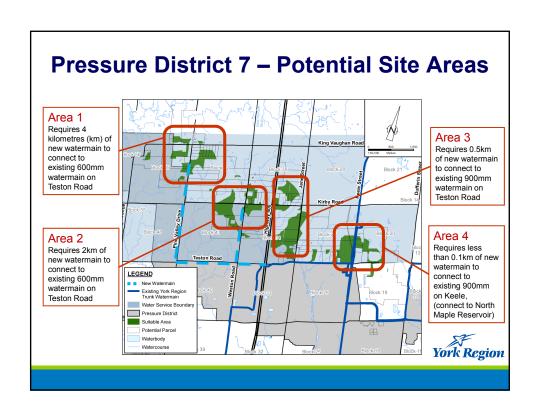


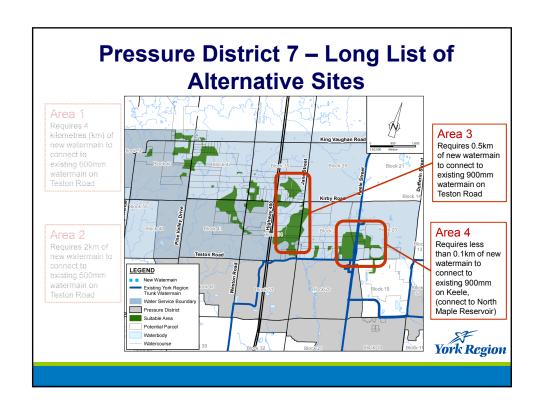


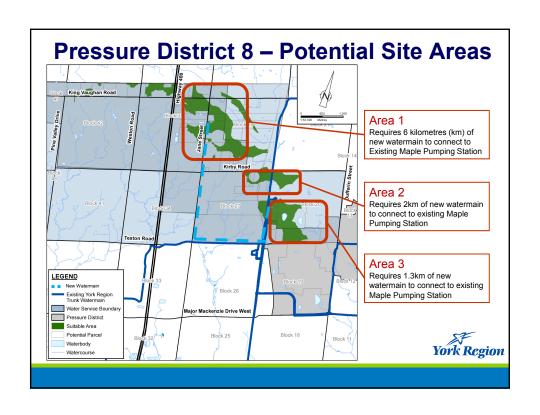


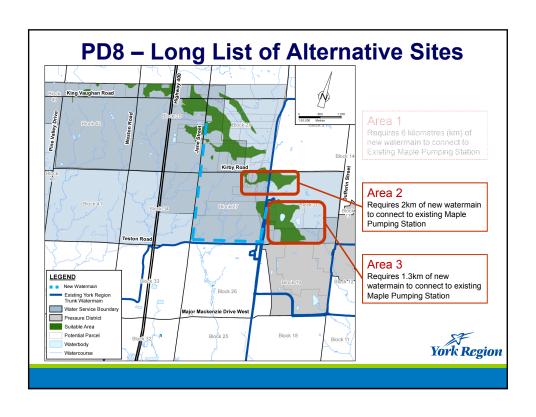


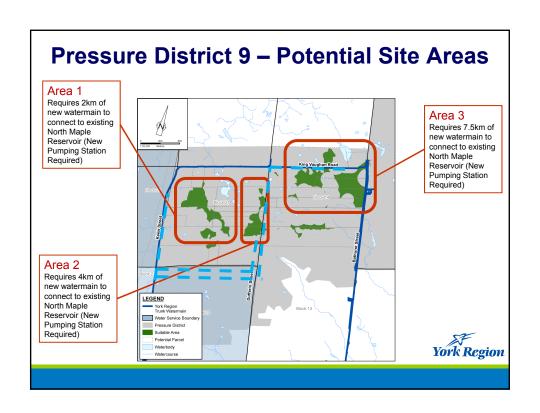


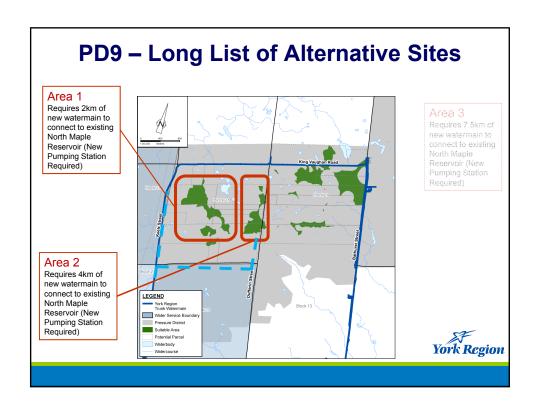










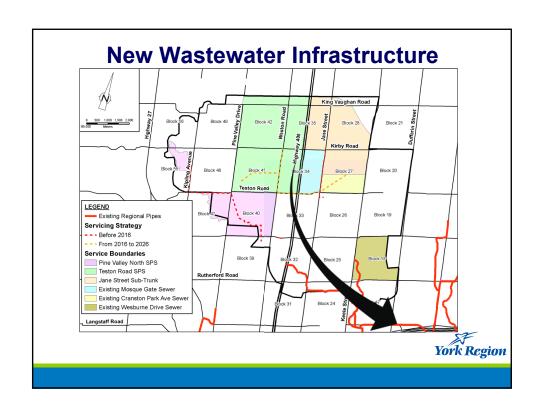


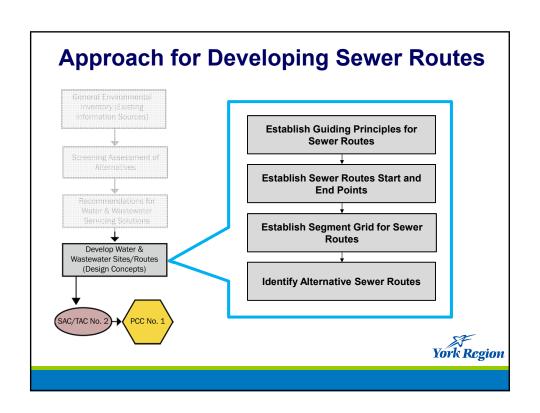
# **BREAK**



4b. New Wastewater Infrastructure



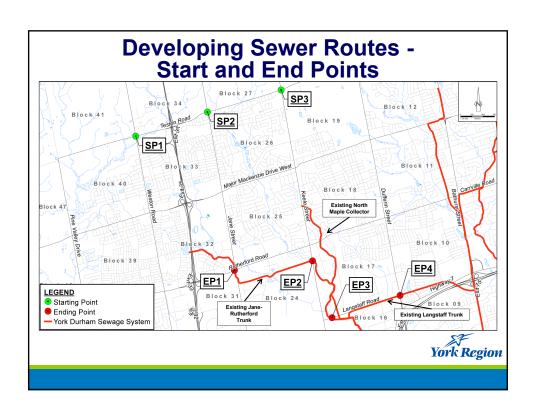


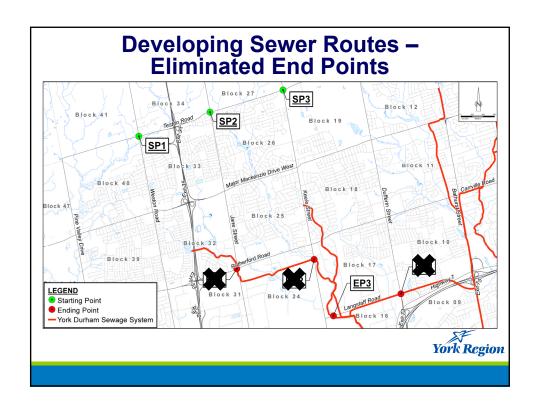


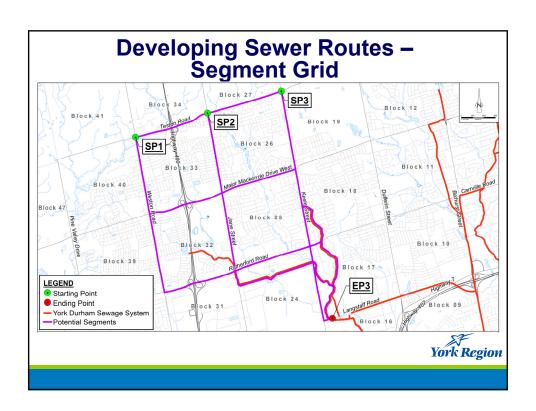
# **Guiding Principles for Developing Sewer Routes**

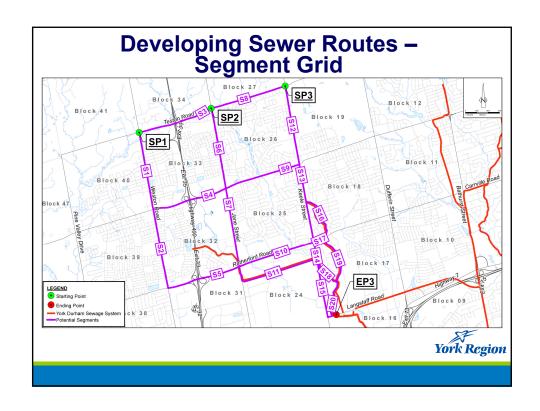
Principle 1	Gravity based sewer system
Principle 2	Sewage flow will be from northwest to southeast direction
Principle 3	Starting point for conveying sewage flow on Teston Road
Principle 4	Connection into York Durham Sewage System (YDSS) at first available point with sufficient downstream capacity to service approved growth to 2051 or beyond

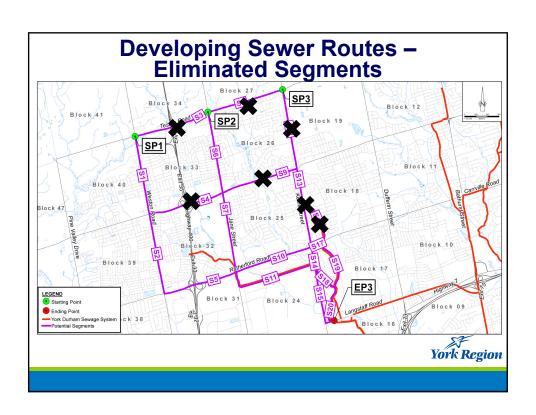


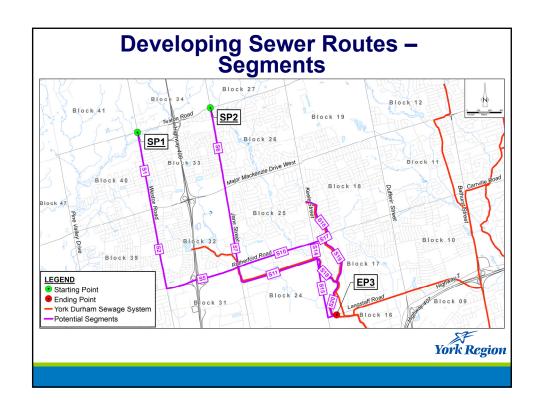


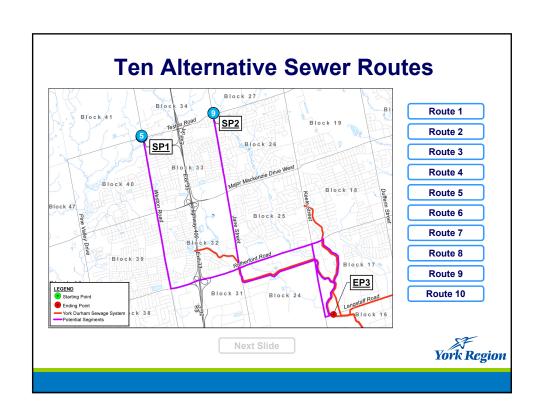






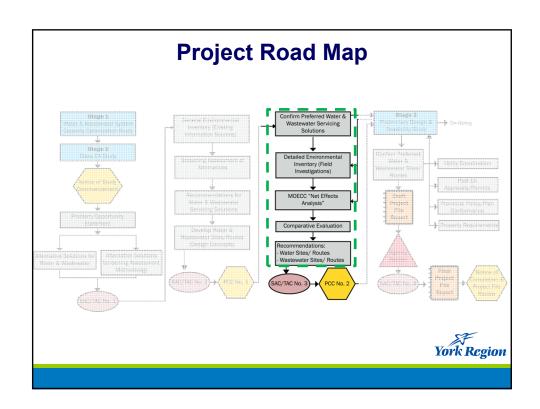


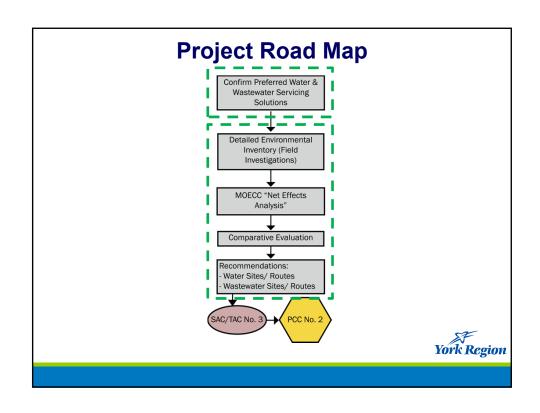


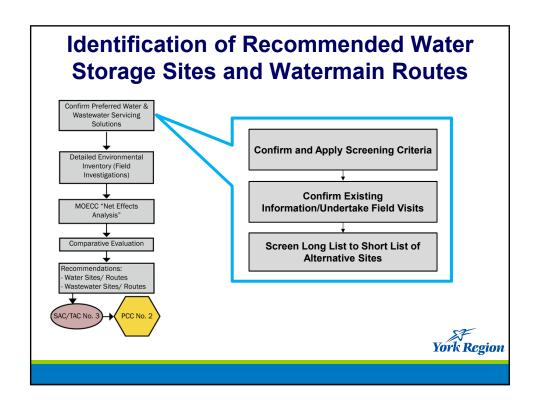


# 5. Proposed Evaluation Methodology and Criteria for Assessing Alternative Sites/Routes









# Preliminary Screening Criteria for Water Storage Sites

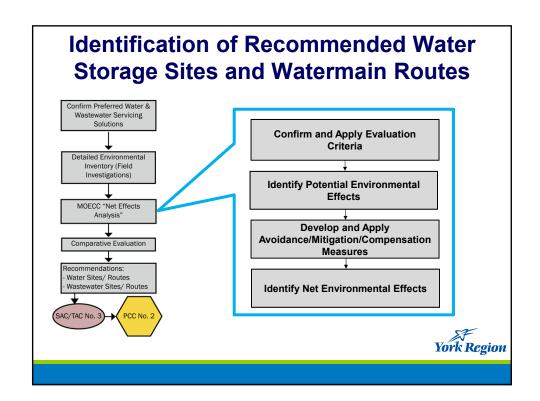
- · Presence of development
- Proximity to sensitive land uses (including viewshed)
- Presence of local environmental features



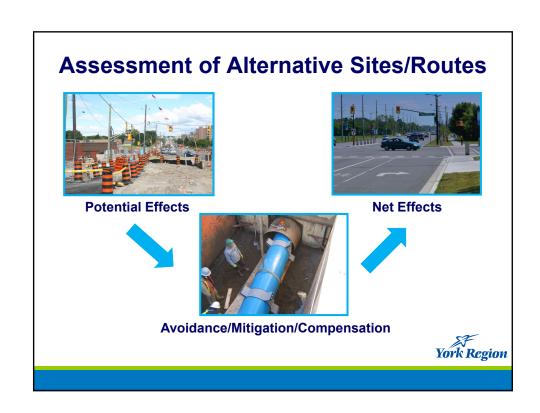








Preliminary Evaluation Criteria		
CATEGORY	EVALUATION CRITERIA	
Technical	Constructability	
Natural Environment	Effect on groundwater     Effect on surface water     Effect on aquatic habitat     Effect on stream geomorphology     Effect on aquatic species including species at risk, species of local concern, native and invasive species     Effect on groundwater recharge and discharge areas in relation to aquatic/wetland habitat     Effect on terrestrial habitat or functions     Effect on terrestrial species including species at risk, species of local concern, native and invasive species, and area-sensitive species     Effect on groundwater recharge and discharge areas in relation to terrestrial habitat	
Built Environment	Effect on agricultural operations and capital investment related to agriculture     Effect on existing residences, businesses, and/or community, institutional, and recreational facilities     Effect of vibration on existing buildings     Effect on property     Effect on existing roadway/utility infrastructure     Effect on traffic	
Social Environment	Effect on wells  Effect of noise on sensitive receptors  Effect of perceptible vibration levels on sensitive receptors  Effect of odours on sensitive receptors from current conditions  Effect on existing views	
Economic Environment	Effect on approved/planned land uses     Effect on agricultural soil resources	
Cultural Environment	Effects on known or potential significant archaeological resources     Effects on built heritage resources and cultural heritage landscapes	
Financial	25-year Net Present Worth Costs	



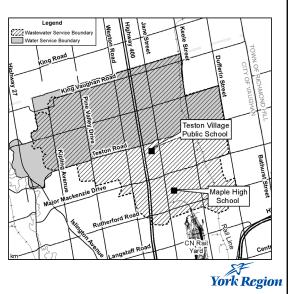
### 6. Public Consultation Centre No. 1



## **Public Consultation Centre No. 1**

Monday, April 27, 2015 Teston Village Public School 80 Murray Farm Lane, Maple Time: 6 p.m. to 9 p.m. Presentation: 7 p.m.

Wednesday, April 29, 2015 Maple High School 50 Springside Road, Maple Time: 6 p.m. to 9 p.m. Presentation: 7 p.m.



# 7. Project Status and Schedule



# **Project Stages and Schedule**

PROJECT STAGES AND MILESTONES	MILESTONE DATES
Stage 1: Water and Wastewater System Capacity Optimization Study	Jan to Dec 2014
Stage 2:	
Class EA Study	Jun 2014 to Mar 2016
Public Consultation Centre No. 1	Apr 2015
Public Consultation Centre No. 2	Sep 2015
Stage 3: Preliminary Design and Feasibility Study	May 2015 to Apr 2016



# 8. Next Steps and Future Meetings



# **Upcoming Project Activities**

- Confirm long list of alternative water storage sites and alternative sewer routes
- Undertake field investigations
- Assess alternative sites and routes
- Identify recommended water storage sites and sewer route





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# 9. Homework, Additional Questions and Discussion

# Thank You!

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