APPENDIX H

Appendix H.1 PIC 1 Summary and
Appendix H.2 PIC 2 Summary
DATE: March 29, 2018
TO: Winston Wang, M.A.Sc., P.Eng
Project Manager, City of Hamilton
FROM: Jennifer Whittard/Jessica Mollo
CC: Shelley Kuan
OUR REF.#: WM16-0435
SUBJECT: Elevated Water Storage Facility and Pumping Station Municipal Class EA for Pressure District 7: PIC # 1 Summary

The first Public Information Centre (PIC) was held on December 6, 2017 in conjunction with the Elfrida Growth Area Study. The PIC was held from 6:00 to 8:30 pm at the Valley Park Recreation Centre and Arena located at 970 Paramount Drive, Stoney Creek. The PIC followed an informal open house format with large display boards set up around the gymnasium (see Attachment A). The display boards presented the study background, an overview of the Class EA process, study area and alternative sites, proposed evaluation criteria, and next steps. The Elfrida PIC included a formal presentation at 6:30 pm, for which COLE presented a few slides relating to the Class EA (see Attachment B).

Attendees were invited to sign-in, review the display boards, ask questions and provide comments. Comment sheets were available for those who wished to provide comments. A copy of the display boards and comment sheet were provided to the City on December 7, 2017 for posting on the City’s website (https://www.hamilton.ca/city-planning/master-plans-class-eas/elevated-water-storage-facility-and-pumping-station-pressure).

Comments Received

A total of 19 people signed through the duration of the PIC (see Attachment C). The majority of attendees were members of the general public, but others included consultants and representatives from the City. Two (2) comment sheets were received including the following comments:

- Request for a copy of the display boards; and
- More development. More traffic. Roads and RHV need to be expanded at the same time (no blaming other governments).

General discussions were also had with the public and included extending the watermain further east along Rymal Road East and potential impacts to agricultural lands and loss of crops. There were no opposing comments regarding the future elevated water storage facility and pumping station within the area.
Attachment A
PIC Displays
Elevated Water Storage Facility and Pumping Station Study for Pressure District 7
Municipal Class Environmental Assessment

Public Information Centre #1

December 6, 2017, 6:00 - 8:30 pm
Valley Park Recreation Centre and Arena (Gymnasium)
970 Paramount Drive
Stoney Creek, Hamilton

We value your input in the decision-making process. Please fill out a comment sheet or discuss your concerns with one of our study representatives.
Study Background

- The purpose of the Municipal Class Environmental Assessment (EA) is to select the preferred sites for a new elevated water storage facility and pumping station.

- This new infrastructure is required to provide water supply for future growth within Pressure District 7 (PD7), and to address security of supply and water system balancing.

- To meet projected population growth, the elevated water storage facility is required by approximately 2021 and the pumping station by 2027.
The Ontario *Environmental Assessment Act (EAA)* requires that most municipal infrastructure projects follow an approved Class EA process.

This study is being conducted in accordance with the approved requirements for a Schedule “B” project as described in the Municipal Engineers Association’s Municipal Class EA document.

The study is currently in Phase 2: Alternative Solutions. The results of the evaluation – the preferred sites for the elevated water storage facility and pumping station – will be presented at a second Public Information Centre (PIC).

Review agencies and the public will be notified of both the PIC and Project File Report completion, including the mandatory 30-day public review period.
Study Area and Alternative Sites

Contains public sector data made available under the City of Hamilton’s Open Data License.
### Proposed Evaluation Criteria

<table>
<thead>
<tr>
<th>Component</th>
<th>Evaluation Criteria</th>
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<tbody>
<tr>
<td><strong>Natural Environment</strong></td>
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<tr>
<td>• Natural Heritage Features</td>
<td>• Potential effects on natural heritage features, including Environmentally Significant Areas (ESAs), Areas of Natural and Scientific Interest (ANSIs), wetlands and/or woodlands</td>
<td>• Number and relative size/area of natural heritage features disrupted</td>
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<td>• Water Resources</td>
<td>• Potential impacts to ground and surface water features</td>
<td>• Number and type of watercourse crossings, if applicable</td>
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<td>• Groundwater management complexity during construction</td>
<td>• Proximity to floodplains and/or regulated areas</td>
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<td>• Potential for short-term water taking during construction</td>
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<td>• Fauna</td>
<td>• Potential for displacement of fauna and impacts to Significant Wildlife Habitat (SWH) or Species at Risk (SAR)</td>
<td>• Loss or disruption to SWH or SAR</td>
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<td><strong>Social/Cultural Environment</strong></td>
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<td>• Land Use</td>
<td>• Compatibility with current and future land uses in the area</td>
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<td>• Compliance with Official Plans and policies</td>
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<td>• Community</td>
<td>• Short-term construction related impacts to residents, businesses and the community, such as the potential for noise, dust, vibration and traffic impacts</td>
<td>• Type and proximity of residential, business and/or community features</td>
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<td>• Archaeology and Cultural Heritage</td>
<td>• Potential for loss and/or disruption to archaeological and/or cultural heritage resources</td>
<td>• Archaeological potential</td>
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<td>• Type and proximity of known archaeological and/or cultural heritage resources</td>
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<td>• Property Requirements</td>
<td>• Requirement for temporary/permanent easements or property acquisition</td>
<td>• Ownership</td>
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<td><strong>Technical Considerations</strong></td>
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<tr>
<td>• Constructability</td>
<td>• Soil/ground conditions and potential for encountering problems during construction</td>
<td>• Constructability given predicted soil/ground conditions</td>
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<td>• Sufficiency of space/area to allow for construction access and staging/maintenance operations</td>
<td>• Ease of access for construction and staging/maintenance operations</td>
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<td>• Operability</td>
<td>• Ability to provide optimal system reliability and hydraulic performance</td>
<td>• Location and hydraulics</td>
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<td>• Conflicts</td>
<td>• Ability to make use of existing infrastructure or coordinate with planned infrastructure improvements</td>
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<td>• Coordination opportunities with planned infrastructure improvements</td>
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<td><strong>Economic/Financial Considerations</strong></td>
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<td>• Cost</td>
<td>• Construction, operation and maintenance</td>
<td>• Estimated construction, operation and maintenance</td>
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Next Steps

- Comment sheets are provided – please place completed sheets in the Comment Box or contact:

Elizabeth Panicker, Project Manager
City of Hamilton
905-546-2424 Ext. 6393
Elizabeth.Panicker@hamilton.ca

- All comments collected throughout this process will be considered in the evaluation of alternative sites.

- Review agencies and the public will be notified of the second Public Information Centre, tentatively scheduled for Spring/Summer 2018.

If you wish to receive direct notification of Public Information Centre #2 and Notice of Study Completion, please provide your contact information to one of our study representatives.
Elevated Water Storage Facility and Pumping Station Study for Pressure District 7

**Study Background**

- The purpose of this Municipal Class Environmental Assessment (EA) study is to select the preferred sites for a new elevated water storage facility and pumping station.
- This new infrastructure is required to provide water supply for future growth within Pressure District 7 (PD7), and to address security of supply and water system balancing.
- To meet projected population growth, the elevated water storage facility is required by approximately 2021 and the pumping station by 2027.
Overview of the Municipal Class EA Process

- The Ontario *Environmental Assessment Act (EAA)* requires that most municipal infrastructure projects follow an approved Class EA process.

- This study is being conducted in accordance with the approved requirements for a Schedule “B” project as described in the Municipal Engineers Association’s Municipal Class EA document.

- The study is currently in Phase 2: Alternative Solutions. The results of the evaluation – the preferred sites for the elevated water storage facility and pumping station – will be presented at a second Public Information Centre (PIC) in Spring/Summer 2018.
Study Area and Alternative Sites
Attachment C
Sign-In and Comment Sheets
# SIGN-IN SHEET

Public Information Centre #1 – December 6, 2017

Valley Park Recreation Centre and Arena  
970 Paramount Drive, Stoney Creek, Hamilton, 6:00 - 8:30 pm

<table>
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<tr>
<th>Name (Please Print)</th>
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**Public Information Centre #1 – December 6, 2017**

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Page ___ of ___
The City of Hamilton is conducting a Municipal Class Environmental Assessment (EA) study to identify the preferred site for a new elevated water storage facility and pumping station. As identified in previous studies completed by the City, this new infrastructure is required for security of supply, water system balancing, and to provide water supply for future growth within the southeast mountain area (Pressure District 7).

We are interested in your comments and suggestions regarding this project. Please take a few minutes to complete this comment sheet.

1. Why are you interested in this project?
   
   Resident

2. The alternative sites will be compared based on the evaluation criteria listed on the displays. Are there any other criteria that should be considered?  □ Yes  □ No

3. What impacts might this project have on you?
   
   More development. More traffic.  Roads & HW need to be expanded at the same time (no blending other governments!)
4. Do you have any additional comments or require further information about the project?


5. Would you like to be added to the project mailing list? □ Yes □ No

Please submit your written comments before leaving the Public Information Centre.

If you require more time to comment, please send your comments to either of the following Project Team Members by December 20, 2017:

Jennifer Whittard  
Senior Environmental Planner  
Cole Engineering Group Ltd.  
195 King Street, Suite 205  
St. Catharines, Ontario L2R 3J6  
P: 905-940-6161  
E: jwhittard@coleengineering.ca

Elizabeth Panicker  
Project Manager, Public Works Department  
City of Hamilton  
77 James Street North, Suite 400  
Hamilton, Ontario L8R 3M8  
P: 905-546-2424 Ext. 6393  
E: Elizabeth.Panicker@hamilton.ca

PLEASE CLEARLY PRINT YOUR NAME AND CONTACT INFORMATION BELOW:

First Name: ____________________________  Street: ____________________________

Last Name: ____________________________  City: ____________________________

Telephone: ____________________________  Postal Code: ____________________________

E-Mail: ____________________________  Fax: ____________________________

Comments and information regarding this project are being collected to assist the City of Hamilton in completing the Municipal Class EA. This material will be maintained on file for use during the project and may be included in the project documentation. Information collected will be used in accordance with the Freedom of Information and Privacy Act. With the exception of personal information, all comments will become part of the public record.
Comment Sheet
Public Information Centre – December 6, 2017

The City of Hamilton is conducting a Municipal Class Environmental Assessment (EA) study to identify the preferred site for a new elevated water storage facility and pumping station. As identified in previous studies completed by the City, this new infrastructure is required for security of supply, water system balancing, and to provide water supply for future growth within the southeast mountain area (Pressure District 7).

We are interested in your comments and suggestions regarding this project. Please take a few minutes to complete this comment sheet.

1. Why are you interested in this project?

________________________________________________________________________________________

________________________________________________________________________________________

2. The alternative sites will be compared based on the evaluation criteria listed on the displays. Are there any other criteria that should be considered? □ Yes □ No

________________________________________________________________________________________

________________________________________________________________________________________

3. What impacts might this project have on you?

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________________________________________________________________________________________
4. Do you have any additional comments or require further information about the project?

Please send me a copy of the study.

5. Would you like to be added to the project mailing list? □ Yes  □ No

Please submit your written comments before leaving the Public Information Centre.

If you require more time to comment, please send your comments to either of the following Project Team Members by December 20, 2017:

Jennifer Whittard
Senior Environmental Planner
Cole Engineering Group Ltd.
195 King Street, Suite 205
St. Catharines, Ontario L2R 3J6
P: 905-940-6161
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Elizabeth Panicker
Project Manager, Public Works Department
City of Hamilton
77 James Street North, Suite 400
Hamilton, Ontario L8R 3M8
P: 905-546-2424 Ext. 6393
E: Elizabeth.Panicker@hamilton.ca

PLEASE CLEARLY PRINT YOUR NAME AND CONTACT INFORMATION BELOW:

First Name: [Redacted]  Street: ____________________________
Last Name: [Redacted]  City: ____________________________
Telephone: ____________________________  Postal Code: ____________________________
E-Mail: ____________________________  Fax: ____________________________

Comments and information regarding this project are being collected to assist the City of Hamilton in completing the Municipal Class EA. This material will be maintained on file for use during the project and may be included in the project documentation. Information collected will be used in accordance with the Freedom of Information and Privacy Act. With the exception of personal information, all comments will become part of the public record.
Appendix H.2 PIC 2 Summary
DATE: June 25, 2018 (Revised August 24, 2018)

TO: Winston Wang, M.A.Sc., P.Eng.
Project Manager, City of Hamilton

FROM: Shelley Kuan

CC: Philip Gray; Rhona Scott

OUR REF.#: WM16-0435

SUBJECT: Elevated Water Storage Facility and Pumping Station Municipal Class EA for Pressure District 7: PIC # 2 Summary

The second Public Information Centre (PIC) was held on June 12, 2018 in conjunction with the Elfrida Growth Area Study. The PIC was held from 6:00 pm to 8:30 pm at the Valley Park Recreation Centre and Arena; located at 970 Paramount Drive, Stoney Creek. The Notice of PIC was published in the local Glanbrook Gazette and Stoney Creek News on May 31, 2018 and June 7, 2018; as well as the Hamilton Spectator on June 1, 2018.

The PIC followed an informal open house format with large display boards set up around the gymnasium (see Attachment A). The display boards presented the study background, an overview of the Class EA process, evaluation criteria, archaeological assessment findings, and the proposed site location alternatives. The design matrices were presented to the public to provide transparent communication on the selection process of the preferred site locations, and finally, the preferred site locations were identified. The Elfrida PIC included a formal presentation at 6:30 pm, for which COLE presented the slides (see Attachment A) relating to the Elevated Water Storage Facility and Pumping Station Class EA.

Attendees were invited to sign-in, review the display boards, ask questions, and provide comments. Comment sheets were available for those who wished to provide comments. A copy of the display boards were provided to the City on June 13, 2018 for posting on the City’s website: (https://www.hamilton.ca/city-planning/master-plans-class-eas/elevated-water-storage-facility-and-pumping-station-pressure).
Comments Received

There were two (2) sign-in sheets available for the public to sign; a project specific sheet and another that included the Elfrida Growth Area Study and Subwatershed Study.

A total of 89 contacts were collected through the duration of the PIC (see Attachment B), of which several individuals (14 total) signed their names more than once, resulting in only 67 distinct and separate contacts collected. Of these, 15 people signed the Elevated Water Storage Facility and Pumping Station Municipal Class EA for Pressure District 7 specific sign-in sheet through the duration of the PIC.

The majority of attendees were members of the general public, others included consultants and representatives from the City. One (1) comment sheet was received and included the following comments:

- An inquiry on the long term solution for the private wells that were previously affected by construction on another project. Given that the comment was with regards to another project, the concern was directed to the appropriate City staff member.

Two (2) comments were received verbally and included the following comments:

- Request for an electronic copy of the display boards. The display boards were sent to the attendee on July 4, 2018; and,

- A representative had given permission to the Cole Engineering Group Ltd. (COLE) team to conduct Natural Heritage studies on their properties. Following completion of the studies it is requested that the results be shared.

General discussions were had with the public and included sizing of the storage facility. There were no opposing comments regarding the future elevated water storage facility and pumping station within the area.

Subsequently, one (1) comment sheet was received via email on August 20, 2018 which included the following comments:

- It was requested that a copy of the completed environmental reports be provided throughout the project. The completed Stage 1 Archaeological Assessment Report and Cultural Heritage Resource Assessment were sent on August 22, 2018 and August 23, 2018, respectively. Other environmental reports will be provided as they become available.

- Future notification to the party is required for field work related to environmental and archaeological assessments.
Attachment A
PIC Displays and Presentation Slides
Welcome to the Public Information Centre #2

ELEVATED WATER STORAGE FACILITY AND PUMPING STATION STUDY FOR PRESSURE DISTRICT 7 MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

We value your input in the decision-making process. Please fill out a comment sheet or discuss your concerns with one of our study representatives.
Introduction

- The purpose of the Municipal Class Environmental Assessment (EA) is to select the preferred sites for a new elevated water storage facility and a new pumping station for future growth within Pressure District 7 (PD7) and to address security of supply and water system balancing.
- This project is classified as a Schedule “B” and is being undertaken in accordance with the planning process outlined in the Municipal Engineers Association (MEA) Municipal Class Environmental Assessment document (October 2000, amended in 2007, 2015).

Purpose of this Public Information Centre

- As a part of the Class EA process, the public is invited to provide feedback for consideration in the planning and design of this project. The Class EA process ensures that the opportunity is given to agencies and the public to provide comments and voice concerns regarding environmental, social, cultural, economic and other potential issues related to this project.
Overview of the Municipal Class EA Process

- The Ontario Environmental Assessment Act (EAA) requires that most municipal infrastructure projects follow an approved Class EA process.
- This study is being conducted in accordance with the approved requirements for a Schedule “B”, which includes Phases 1, 2 and 5 of the Municipal Class EA planning and design process.
- The study as described in the Municipal Engineers Association’s Municipal Class EA document.
- The study is currently in Phase 2: Alternative Solutions. The results of the evaluation identify the preferred sites for an elevated water storage facility and pumping station, which are presented at this second Public Information Centre (PIC).
- Review agencies and the public were notified of the PIC and will again be notified regarding the Project File Report completion, including the mandatory 30-day public review period.
Problem Statement

PD7 Water System

- PD7 is located in the southeastern section of the City of Hamilton’s water distribution system.
- PD7 is supplied from the Highland Pumping Station (HD007), which receives supply from PD5 or the Highland Reservoir (HDR07).
- The PD7 system also feeds sub-zone PD23 through the Binbrook Pumping Station (HD019).
- Sufficient storage and pumping capacities are provided in PD7 system under the existing condition.

Problem Statement

- The existing water system will not be able to maintain sufficient flow and pressures in the distribution system to support future growth. In addition, the existing system requires continuous pumping to meet varying demands, which results in high electricity and maintenance costs.
- It is the City’s objective to provide adequate water services to the residents, businesses and industries to meet community needs in an efficient and cost-effective manner.
- Therefore, a solution is required in PD7 to provide additional storage and pumping capacity to support the future growth in PD7 and PD23 systems, as well as to improve water system security and reliability, and to improve the efficiency and reduce operation and maintenance costs.
Key Considerations for Evaluation of Alternatives

Elevated Water Storage Facility (EWSF) and Pumping Station (PS) Site Selection Criteria and Constraints

• Locate outside the green belt area and Niagara Escarpment boundary and floodplains
• Consider property acquisition requirements
• Preferred 60 m x 100 m site area with good road access
• Proximity to existing watermain infrastructure
• Lowest aesthetic impact on existing residents and customers
• Minimum natural/heritage/environmental impacts
• Optimum distribution system hydraulics to provide adequate pressure and fire flows
• Additional Criteria and Constrains for Site Selection of Elevated Water Storage Facility

Additional Criteria and Constrains for Site Selection of Elevated Water Storage Facility

• Top water elevation of EWSF of around 265 m
• Look for local high ground area (minimum overall tank height)
• Away from John C. Munro Hamilton International Airport Zoning Regulation areas
Considerations for Evaluation of Alternatives

Socio-Economic & Cultural Environments
- Proximity to archaeological resources
- Proximity to cultural heritage resources
- Dust, Noise and Traffic Impacts during construction
- Land Availability

Cost Considerations
- Land Acquisition Cost
- Capital Costs
- Proximity to Existing Infrastructure

Natural Environmental Impacts
- Environmentally Sensitive Areas/Areas of Natural and Scientific Interest
- Woodlands
- Floodplains
- Greenbelts
- Watercourse Crossings

Technical Considerations
- Hydraulic Performance and System Operations
- Construction Site Access
- Constructability
Alternative Sites Considered for Elevated Water Storage Facility and Pumping Station
Elevated Water Storage Facility Site Considerations Airport Zoning Regulation

Findings:

- EWSF Site 5 is near the boundary of the airport zoning regulation areas, which is the least preferred site for the elevated water storage facility.
- Other four alternatives (EWSF Sites 1 to 4) are outside airport zoning regulation areas.
- Due to the height of a pumping station building, airport zoning regulation areas were not considered for the evaluation purposes of the PS sites.
Archaeological Assessments

Archaeological Services Inc. completed a Stage 1 Archaeological and Cultural Heritage Resource Assessment. The objective of the Stage 1 assessment was to determine the presence or absence of known archaeological sites in the Study Area and in proximity to the Alternative Sites for the proposed PD7 Elevated Water Storage Facility and Pumping Station and to identify the need for Stage 2 archaeological assessments for areas identified during the Stage 1 assessment as having potential archaeological planning concerns.

Findings:

- EWSF Sites 1, 2 and 5: There are potential for archaeological resources. A Stage 2 archaeological assessment is required if this site is selected.
- EWSF Sites 3 and 4: Have been subject to Stage 2 survey and no further archaeological concerns.
- PS Sites 1 and 2: There are potential for archaeological resources. A Stage 2 archaeological assessment is required if this site is selected.
- PS Site 3: Has been subject to Stage 2 survey and no further archaeological concerns.
Built and Heritage Assessments

Archaeological Services Inc. completed the cultural heritage resource assessment. The objective is to present a built heritage and cultural landscape inventory of cultural heritage resources, identify existing conditions of the study area, identify impacts to cultural heritage resources, and propose appropriate mitigation measures.

Findings:

- **EWSF Site 1:** Potential negative impact to CHL 2 (406 Fletcher Road). A Heritage Impact Assessment is required if this site is selected.
- **EWSF Site 3:** Potential impact to BHR 2 (420 Trinity Church Road). At the time of site visit, this building was inaccessible, as such, a Heritage Impact Assessment is required if this site is selected.
- **EWSF Sites 2, 4 and 5:** No negative impacts to identified cultural heritage resources. No further concern regarding cultural heritage resources.
- **PS Sites 1, 2 and 3:** No negative impacts to identified cultural heritage resources. No further concern regarding cultural heritage resources.
### Evaluation of Five EWSF Locations

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<th>Evaluation Criterion</th>
<th>EWSP Site 1</th>
<th>EWSP Site 2</th>
<th>EWSP Site 3</th>
<th>EWSP Site 4</th>
<th>EWSP Site 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Natural Environment</strong></td>
<td>An unnamed tributary of Esopus Creek runs through this site.</td>
<td>An unnamed tributary of Esopus Creek runs through this site.</td>
<td>An unnamed tributary of Esopus Creek runs through this site.</td>
<td>An unnamed tributary of Esopus Creek runs through this site.</td>
<td>An unnamed tributary of Esopus Creek runs through this site.</td>
</tr>
<tr>
<td>Potential for groundwater recharge</td>
<td>Medium, near residential areas.</td>
<td>Medium, near residential areas.</td>
<td>Low, South of 26th Road.</td>
<td>Low, South of 26th Road.</td>
<td>Low, South of 26th Road.</td>
</tr>
<tr>
<td>Proximity to archaeological sites</td>
<td>Potential for archaeological sites. Stage 2 Archaeological Assessment is required.</td>
<td>Potential for archaeological sites. Stage 2 Archaeological Assessment is required.</td>
<td>No archaeological concern.</td>
<td>No archaeological concern.</td>
<td>No archaeological concern.</td>
</tr>
<tr>
<td>Proximity to critical natural areas</td>
<td>No negative impacts to identified cultural heritage resources.</td>
<td>No negative impacts to identified cultural heritage resources.</td>
<td>No negative impacts to identified cultural heritage resources.</td>
<td>No negative impacts to identified natural heritage resources.</td>
<td>No negative impacts to identified natural heritage resources.</td>
</tr>
<tr>
<td>Proximity to critical natural areas</td>
<td>2 km away from the Airport Zoning Regulation areas.</td>
<td>2 km away from the Airport Zoning Regulation areas.</td>
<td>2 km away from the Airport Zoning Regulation areas.</td>
<td>1.7 km away from the Airport Zoning Regulation areas.</td>
<td>Near boundary of Airport Zoning Regulation areas.</td>
</tr>
<tr>
<td><strong>Habitat</strong></td>
<td>$13.3 M.</td>
<td>$13.3 M.</td>
<td>$12 M.</td>
<td>$13.3 M.</td>
<td>$13.6 M.</td>
</tr>
<tr>
<td>Tower height</td>
<td>50 m.</td>
<td>59 m.</td>
<td>47 m.</td>
<td>47 ft.</td>
<td>49 ft.</td>
</tr>
<tr>
<td>Ability to accommodate new infrastructure improvements</td>
<td>Most preferred location. Located within PDS system.</td>
<td>Most preferred location. Located within PDS system.</td>
<td>Most preferred location. Located within PDS system.</td>
<td>Most preferred location. Located within PDS system.</td>
<td>Most preferred location. Located within PDS system.</td>
</tr>
<tr>
<td>Site access</td>
<td>Accessible by minor arterial road; for development, hours of access may vary.</td>
<td>Accessible by minor arterial road; for development, hours of access may vary.</td>
<td>Accessible by minor arterial road; for development, hours of access may vary.</td>
<td>Accessible by minor arterial road; for development, hours of access may vary.</td>
<td>Accessible by minor arterial road; for development, hours of access may vary.</td>
</tr>
<tr>
<td>System reliability and hydraulic performance</td>
<td>Most preferred hydrologically, highest pressures in PDS when operated under gravity.</td>
<td>Most preferred hydrologically, highest pressures in PDS when operated under gravity.</td>
<td>Most preferred hydrologically, highest pressures in PDS when operated under gravity.</td>
<td>Least preferred hydraulically.</td>
<td>Least preferred hydraulically.</td>
</tr>
<tr>
<td>Summary</td>
<td>An unnamed tributary runs through this site. In close proximity to the Esopus Creek.</td>
<td>An unnamed tributary runs through this site. In close proximity to the Esopus Creek.</td>
<td>An unnamed tributary runs through this site. In close proximity to the Esopus Creek.</td>
<td>An unnamed tributary runs through this site. In close proximity to the Esopus Creek.</td>
<td>An unnamed tributary runs through this site. In close proximity to the Esopus Creek.</td>
</tr>
</tbody>
</table>

**Preferred:** Most, Least

---

COLE

PD 7 Elevated Water Storage Facility and Pumping Station Schedule “B” Municipal Class EA | 11
# Evaluation of Three Pumping Station Locations

## Evaluation Criteria

<table>
<thead>
<tr>
<th>Evaluation Criteria</th>
<th>Pumping Station Site 1</th>
<th>Alternative Pumping Station Sites</th>
<th>Pumping Station Site 2</th>
<th>Pumping Station Site 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Natural Environment</strong></td>
<td>A wetland is present within 300 m of the site. Potential for presence of species at risk or suitable habitat. A field investigation is underway.</td>
<td>An unvegetated area of Baymore Creek runs through this site. Limited potential impact.</td>
<td>Limited potential impact. A field investigation is underway.</td>
<td>Limited potential impact. A field investigation is underway.</td>
</tr>
<tr>
<td><strong>Potential for Noise, Traffic, Dust Impacts: Obstructing Surrounding Area During Construction</strong></td>
<td>Medium, near residential areas</td>
<td>Medium, near residential areas</td>
<td>High, near residential areas</td>
<td></td>
</tr>
<tr>
<td><strong>Potential for Anthropological Resources</strong></td>
<td>Potential for anthropological resources. A Stage 2 Archaeological Assessment is required.</td>
<td>Potential for anthropological resources. A Stage 2 Archaeological Assessment is required.</td>
<td>Site is of archaeological concern.</td>
<td>Site is of archaeological concern.</td>
</tr>
<tr>
<td><strong>Potential for Cultural Heritage Resources</strong></td>
<td>No negative impacts to identified cultural heritage resources.</td>
<td>No negative impacts to identified cultural heritage resources.</td>
<td>No negative impacts to identified cultural heritage resources.</td>
<td>No negative impacts to identified cultural heritage resources.</td>
</tr>
<tr>
<td><strong>Land Ownership</strong></td>
<td>Owned by City</td>
<td>Privately owned</td>
<td>Privately owned</td>
<td>Privately owned</td>
</tr>
<tr>
<td><strong>Estimated capital costs including land acquisition</strong></td>
<td>$20 M</td>
<td>$25 M</td>
<td>$23.5 M</td>
<td>$23.5 M</td>
</tr>
<tr>
<td><strong>Technical</strong></td>
<td>Accessible by minor arterial road/Myriad Road.</td>
<td>Accessible by minor arterial road/Myriad Road.</td>
<td>Accessible by minor arterial road/Myriad Road.</td>
<td>Accessible by minor arterial road/Myriad Road.</td>
</tr>
<tr>
<td><strong>Ability to coordinate with planned infrastructure improvements</strong></td>
<td>Ability to coordinate with planned infrastructure improvements. Located within existing growth area.</td>
<td>Ability to coordinate with planned infrastructure improvements. Located within existing growth area.</td>
<td>Ability to coordinate with planned infrastructure improvements. Located within existing growth area.</td>
<td>Ability to coordinate with planned infrastructure improvements. Located within existing growth area.</td>
</tr>
<tr>
<td><strong>Summary</strong></td>
<td>An unvegetated area of Baymore Creek runs through this site. Limited potential impact during construction. Potential for limited ecological impact.</td>
<td>An unvegetated area of Baymore Creek runs through this site. Limited potential impact during construction. Potential for limited ecological impact.</td>
<td>An unvegetated area of Baymore Creek runs through this site. Limited potential impact during construction. Potential for limited ecological impact.</td>
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## Preferred Sites

- **Most Preferred:** Site 2
- **Least Preferred:** Site 1

---

PD 7 Elevated Water Storage Facility and Pumping Station Schedule “B” Municipal Class EA | 12
Preferred Sites Identified

**Elevated Water Storage Facility on Trinity Church Road (EWSF Site 3)**
This option is technically suitable and most cost effective, while having limited potential for environmental and socio-economic impacts.

**Pumping Station on Rymal Road West (PS Site 1)**
While it has moderate potential for impact to archaeological resources, this solution offers the most cost effective, technically suitable and has limited potential for environmental and socio-economic impacts.
Next Steps

- Public Information Centre # 2
- Incorporate Comments Received and Confirm the Preferred Solution
- Prepare Project File Report
- Issue Notice of Study Completion
  EA completion after 30-day review period
  (Anticipated Winter 2018)
- Proceed to Detailed Design and Construction
Project Team Contact

Comment sheets are provided – please place completed sheets in the Comment Box or Contact:

**Winston Wang, P. Eng., Project Manager**
City of Hamilton
77 James Street North, Suite 400
Hamilton, ON L8R 2K3
Tel: 905-546-2424 Ext. 4092 Fax: 905-546-4491
Email: winston.wang@hamilton.ca

**Shelley Kuan, P. Eng., Project Manager**
Cole Engineering Group Ltd.
70 Valleywood Drive
Markham, ON L3R 4T5
Tel: 905-940-6161 Ext. 371 Fax: 905-940-2064
E: skuan@ColeEngineering.ca

All comments collected throughout this process will be considered in the final evaluation of alternative sites.

If you wish to receive additional information, please provide your contact information to one of our study representatives.

Thank you!
Attachment B
Sign-In and Comment Sheets
SIGN-IN SHEET
Public Information Centre #2 – June 12, 2018
Valley Park Recreation Centre and Arena
970 Paramount Drive, Stoney Creek, Hamilton, 6:00 - 8:30 pm

<table>
<thead>
<tr>
<th>Name (Please Print)</th>
<th>Address</th>
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<th>Phone Number</th>
<th>Would you like to be added to the project mailing list? Y/N</th>
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<tr>
<th>Name</th>
<th>Organization/Affiliation (If relevant)</th>
<th>Address</th>
<th>Postal Code</th>
<th>Phone Number</th>
<th>E-mail Address</th>
<th>Yes Add Me to the Mail List</th>
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### ELFRIDA GROWTH AREA STUDY, ELFRIDA SUBWATERSHED STUDY
### AND WATER STORAGE FACILITY AND PUMPING STATION STUDY FOR PRESSURE DISTRICT 7
### COMMUNITY MEETING
### Tuesday, June 12, 2018
### SIGN-IN SHEET
### (Please Print Clearly)

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization/Affiliation (If relevant)</th>
<th>Address</th>
<th>Postal Code</th>
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<th>E-mail Address</th>
<th>Yes Add me to the Mail List</th>
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The Personal Information submitted on this form is collected under the authority of the Planning Act, R.S.O. 1990, c.P.13, and Section 13.1 of the Environmental Assessment Act and will be used for the purpose of carrying out the studies. Questions about the collection of this personal information should be directed to the Manager of Community Planning at 71 Main Street West, 6th Floor, Hamilton, Ontario, L8P 4Y5, 905-546-2424 ext. 1279. Information will be collected in accordance with the Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments submitted regarding these studies will become part of the public record.
Comment Sheet
Public Information Centre #2 – June 12, 2018

The City of Hamilton is conducting a Municipal Class Environmental Assessment (EA) study to identify the preferred site for a new elevated water storage facility and a new pumping station. As identified in previous studies completed by the City, these new infrastructures are required for security of supply, water system balancing, and to provide water supply for future growth within the southeast mountain area (Pressure District 7).

We are interested in your comments and suggestions regarding this project. Please take a few minutes to complete this comment sheet.

1. Why are you interested in this project?

2. The alternative sites will be compared based on the evaluation criteria listed on the displays. Are there any other criteria that should be considered?  □ Yes  □ No

3. What impacts might this project have on you?

   CITY HAS AFFECTED PRIVATE WELLS WITH CONSTRUCTION.

   WHAT IS LONG TERM SOLUTION?
4. Do you have any additional comments or require further information about the project?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

5. Would you like to be added to the project mailing list? ☐ Yes  ☐ No

Please submit your written comments before leaving the Public Information Centre.

If you require more time to comment, please send your comments to either of the following Project Team Members by August 20, 2018:

Shelley Kuan, P. Eng., Project Manager
Cole Engineering Group Ltd.
70 Valleywood Drive
Markham, ON L3R 4T5
Tel: 905-940-6161 Ext. 371
E: skuan@ColeEngineering.ca

Winston Wan, P. Eng., Project Manager
City of Hamilton
77 James Street North, Suite 400
Hamilton, ON L8R 2K3
Tel: 905-546-2424 Ext. 4092
Email: winston.wang@hamilton.ca

PLEASE CLEARLY PRINT YOUR NAME AND CONTACT INFORMATION BELOW:

First Name:  _____________________________________  Last Name:  ____________________________
Street:  _____________________________________  City:  _________________________________
Postal Code:  _________________________________  Telephone:  ___________________________
Fax:  _____________________________________
E-Mail:  _____________________________________

Comments and information regarding this project are being collected to assist the City of Hamilton in completing the Municipal Class EA. This material will be maintained on file for use during the project and may be included in the project documentation. Information collected will be used in accordance with the Freedom of Information and Privacy Act. With the exception of personal information, all comments will become part of the public record.
The City of Hamilton is conducting a Municipal Class Environmental Assessment (EA) study to identify the preferred site for a new elevated water storage facility and a new pumping station. As identified in previous studies completed by the City, these new infrastructures are required for security of supply, water system balancing, and to provide water supply for future growth within the southeast mountain area (Pressure District 7).

We are interested in your comments and suggestions regarding this project. Please take a few minutes to complete this comment sheet.

1. Why are you interested in this project?

2. The alternative sites will be compared based on the evaluation criteria listed on the displays. Are there any other criteria that should be considered? □ Yes □ No

3. What impacts might this project have on you?
   - Identify Archaeology Sites
   - Identify Environmental/Cultural Sites
4. Do you have any additional comments or require further information about the project?

- Please include [redacted] in field assessments (arch & environmental)
- [redacted], start of arch & environment studies
- Please forward completed assessment reports throughout project (arch & environmental)
- Send to following email: [redacted]

5. Would you like to be added to the project mailing list? □ Yes □ No

Please submit your written comments before leaving the Public Information Centre.

If you require more time to comment, please send your comments to either of the following Project Team Members by July 25, 2018:

Shelley Kuan, P. Eng., Project Manager
Cole Engineering Group Ltd.
70 Valleywood Drive
Markham, ON L3R 4T5
Tel: 905-940-6161 Ext. 371
E: skuan@ColeEngineering.ca

Winston Wan, P. Eng., Project Manager
City of Hamilton
77 James Street North, Suite 400
Hamilton, ON L8R 2K3
Tel: 905-546-2424 Ext. 4092
Email: winston.wan@hamilton.ca

Please clearly print your name and contact information below:

First Name: __________________________ Street: __________________________
Last Name: __________________________ City: __________________________
Telephone: __________________________ Postal Code: __________________________
E-Mail: ___________________________ Fax: __________________________

Comments and information regarding this project are being collected to assist the City of Hamilton in completing the Municipal Class EA. This material will be maintained on file for use during the project and may be included in the project documentation. Information collected will be used in accordance with the Freedom of Information and Privacy Act. With the exception of personal information, all comments will become part of the public record.