

Appendix E-3: Town of Oakville Consultation



Meeting Minutes

Halton Region

Phase 1 & 2 Class EA – Navy and Water Street WWPS

Meeting with Town of Oakville

Halton Project No.:	PR-2831A	Date:	Thu. September 05, 2013
B&V Project No.:	181097	Time:	2:00 pm
Meeting Location:	Halton Region Office – North Service Road, Beech Room		

Attendees:	Name	Company
	Dan Bijsterveld (DB)	Town of Oakville (OAK) (Development Engineering)
	Janis Olbina (JO)	OAK (Parks)
	Paul Demczak (PD)	OAK (Planning)
	Joe Henning (JH)	OAK (Oakville Centre for the Performing Arts; OCPA)
	Mickey Liu (ML)	Halton Region (HR)
	Susan Liver (SL)	Black & Veatch (B&V)
	Clair Collin (CC)	B&V

Objectives:	<ul style="list-style-type: none"> ■ Introduce Project ■ Solicit feedback on preliminary preferred solution
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Action Items		
ITEM	DESCRIPTION	ACTION
1	Introductions	
1.1	Introductions between attendees from Town of Oakville, Halton Region and Black & Veatch.	INFO
2	Meeting Objectives	
2.1	The meeting objectives were provided: <ol style="list-style-type: none"> 1. Introduce Town of Oakville to project 2. Provide overview of alternatives under consideration 3. Solicit feedback from Town of Oakville on design concepts of preliminary preferred alternative 	INFO
3	Project Drivers and Background	
3.1	Project Drivers Discussed: <ul style="list-style-type: none"> • Oakville Downtown Designation For Infill And Intensification (Per Places To Grow, Sustainable Halton (ROPA 38), Sustainable Halton Water And Wastewater Master Plan, Livable Oakville) • Strategy To Reduce Number Of Wastewater Pumping Station (WWPS) (Wastewater Pumping Station Master Plan) • WWPS Capacity and O&M issues at Water and Navy St WWPS 	INFO

Action Items		
ITEM	DESCRIPTION	ACTION
3.2	<p>Project Background overview:</p> <ul style="list-style-type: none"> • Pumping station requirements (wet well / dry well, control panel, standby generator) • Navy St WWPS close to capacity, no backup power • Water St aged, no backup power 	INFO
4	Alternative Solutions	
4.1	<p>Alternative Solutions identified:</p> <ol style="list-style-type: none"> 1. New Navy St WWPS with new standby generator at Water St WWPS 2. New Water St WWPS with elimination of Navy St WWPS 3. Partial diversion of flows from Navy to Water St WWPS, new Navy St wet well and new standby generators at both WWPS 	INFO
5	Preliminary Preferred Alternative	
5.1	Alternative 2 is preliminary preferred alternative.	INFO
5.2	<p>WWPS location:</p> <ul style="list-style-type: none"> • Three possible orientations of new WWPS within OCPA parking lot presented • Preferred location for WWPS is north side of Rebecca St to minimize disruption to OCPA. 	INFO
5.2.1	A new access area to OCPA will be constructed where substation is currently located. Existing substation planned to be relocated further north along Rebecca St. New standby generator cannot be located adjacent to existing substation.	INFO
5.2.2	<p>The Centennial Plaza buildings along Navy St are close to 50 years old and need to be replaced.</p> <ul style="list-style-type: none"> • The Oakville Pool is slated to be closed and a council building will be constructed on site. • The Theatre and Library need to be upgraded for accessibility, however, it may be more economical to rebuild these facilities. Rebuilding the plaza is also being considered. • Maintenance and modernization of Centennial buildings is scheduled for 2017. 	INFO

Action Items		
ITEM	DESCRIPTION	ACTION
5.2.3	<p>The Mayor and Chief Administrative Officer's (CAO) office have instigated a special project to develop a 'Cultural Hub' around the Rebecca and Navy St intersection.</p> <ul style="list-style-type: none"> • Idea of Cultural Hub arose about 2 years ago out of strategic plan for Oakville downtown. • Cultural Hub will incorporate whole block in which Centennial Plaza is currently located and may also extend to include the land north of Rebecca St where the fire station is currently located. • Cultural Hub plans are ongoing and very high level at present, with consultant to present options for development to Council in October. • Project manager leading Cultural Hub is MHPM. JH will confirm who the lead consultant on the project is. • Lead consultant is currently looking at costs to maintain current facilities compared to construction of new facilities. • Centennial buildings maintenance and substation relocation plans are on hold until the Cultural Hub plans are established. • The Cultural Hub may include a new Performing Arts Centre. • A condominium may be constructed on the western corner of the Rebecca and Navy St intersection where the fire station is currently located. This may mean developers could be helping to fund the Cultural Hub development. Additional wastewater flows may also be generated. 	INFO / JH
5.2.4	<p>Conservation Halton has jurisdiction over lands within the "Top of Bank" i.e. lands that would be underwater is current construction had not been built. The "Top of Bank" currently runs through Centennial Plaza, just east of Navy St.</p>	INFO
5.2.5	<p>JH mentioned possible plans to rebuild the Rebecca St bridge. Rebuilding was found necessary during recent bridge patching repairs. Plans for rebuild should be confirmed with Dan Cozzi OAK Engineering and Construction department director or may be described on Oakville's website under capital forecasts. ML to contact Dan Cozzi.</p>	ML
5.2.6	<p>The option of constructing the new WWPS under the Rebecca St bridge would be complicated as construction would need to take place around the bridge foundations. However, if the bridge is to be rebuilt this may become an option.</p>	INFO
5.2.7	<p>JH mentioned that during construction works to build new staging at OCPA in 1991 shale was found under the OCPA parking lot. It was determined that OCPA and parking lot are constructed on a 100 year old dumping site. JH will look for any geotechnical reports from the project and forward to ML.</p>	INFO / JH
5.2.8	<p>DB mentioned that he is aware of geotechnical work carried out in the 80s when the watermain was constructed under the creek. ML to try to find geotechnical reports from project.</p>	ML
5.3	<p>Three options for sewer routing from Navy St to Water St were presented:</p> <ol style="list-style-type: none"> 1. Waterfront routing 2. Navy St routing <ol style="list-style-type: none"> a. Via Lakeside Park b. Via Front St 3. Thomas St routing 	INFO

Action Items		
ITEM	DESCRIPTION	ACTION
5.3.1	JO stated that construction along the waterfront and park areas is not preferable and would generate a lot of complaints from the residents	INFO
5.3.2	JO indicated that the waterfront route may pass through private land at the back of the tennis courts	INFO
5.3.3	DB asked if there were any other planned projects in the area, such as a watermain project, that could be constructed simultaneously to share construction costs. The only known project that could occur simultaneously is the Navy St repaving, which will be delayed for this project if sewer construction along Navy St is the preferred routing.	INFO
5.3.4	JO stated that the Oakville Museum is currently doing restoration work on the retaining wall of the museum that runs along Navy St and the owner of the property may not be happy if there are construction works in Navy St.	INFO
5.3.5	DB stated that Dan Cozzi, director of the Oakville department for Engineering and Construction should be contacted to discuss routing options on Thomas and Navy Sts. ML to contact Dan Cozzi. JO stated that St Jude's Anglican Church on Thomas St would also be interested in the sewer routing options.	ML
5.3.6	JO stated that if possible construction on Water St should take place after October when boating season is over to minimize disruptions to the community.	INFO
6	Additional Comments	
6.1	The Public Information Centre (PIC) could be held at OCPA. The Library next door has a meeting room that has been used for PICs before and could also be used. The Library is more accessible as it has an elevator.	INFO
6.2	A pdf copy of the presentation will be forwarded to meeting attendees. A copy of the Navy and Water St WWPS catchment area will also be forwarded.	B&V
6.3	The presentation and catchment map will be forwarded as follows: <ul style="list-style-type: none"> • JO to share with Chris Mark, Krzysztof Izakowski and Jane Arnett within the OAK Parks and Open Space department • JH to share with Sarah and Nina at the Cultural Centre • ML to contact Dan Cozzi at the Oakville Engineering and Construction department 	JO / JH / ML

Meeting commenced at 2:00 PM EST

Meeting adjourned at 4:00 PM EST

Minutes prepared by: Clair Collin

Please Note: These minutes are a summary of the discussions that took place during the meeting. If these minutes do not agree with your records, or if there are any omissions, please advise during the following meeting. Otherwise, it will be assumed that the contents of this document are accurate and all attendees agree to its contents.

BUILDING A WORLD OF DIFFERENCE

TOWN OF OAKVILLE CONSULTATION

**NAVY & WATER ST WWPS
CLASS EA**

WASTEWATER PLANNING
PUBLIC WORKS
HALTON REGION



BLACK & VEATCH
Building a world of difference.®

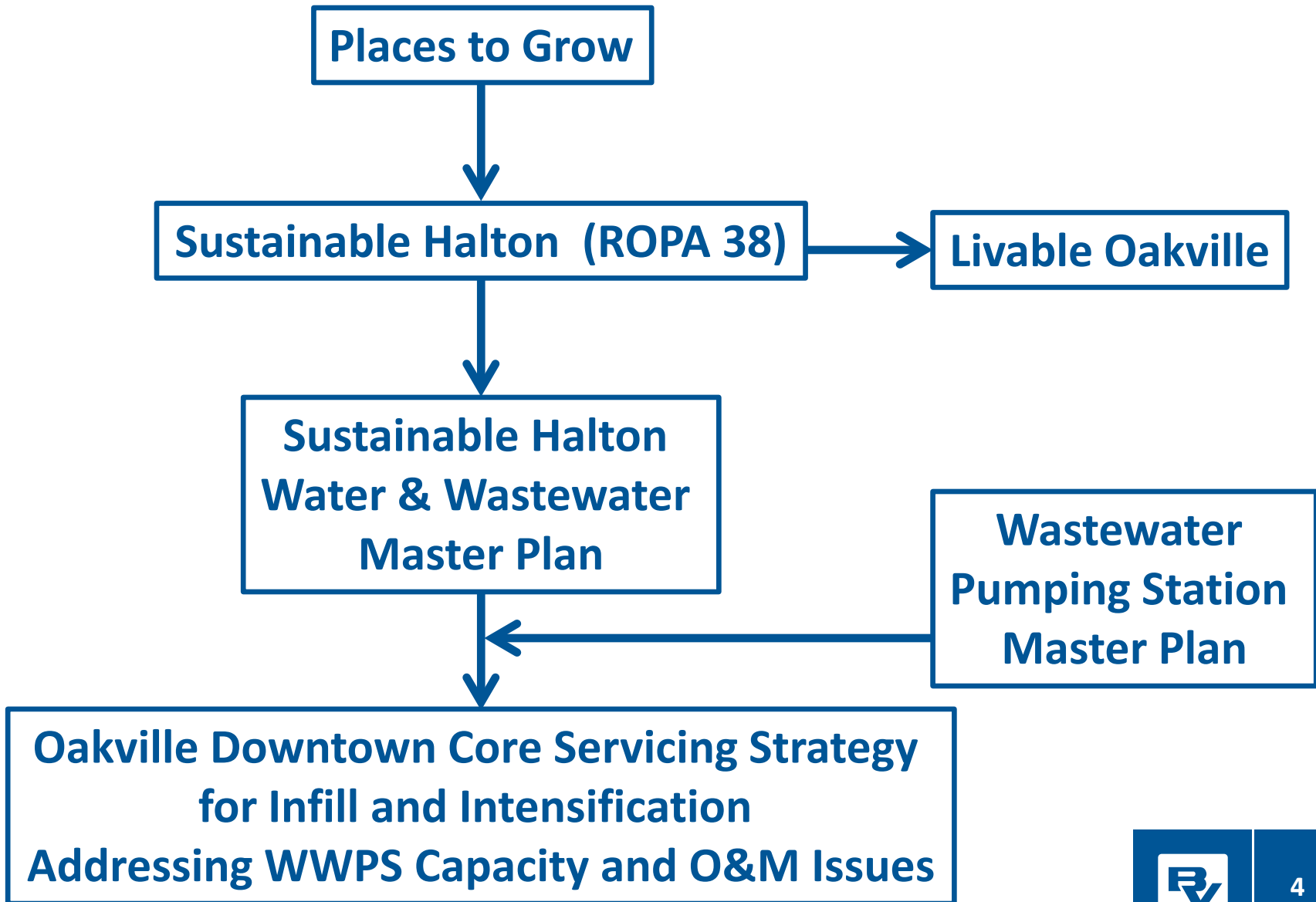
AGENDA

- **Introductions**
- **Meeting Objectives**
- **Project Drivers & Background**
- **Alternative Solutions**
- **Preliminary Preferred Alternative**
- **Design Concepts for Preliminary Preferred Alternative**
 - Pumping Station Orientation
 - Sewer Routing Options
- **Next Steps**

MEETING OBJECTIVES

1. Introduce Town of Oakville to the project
2. Provide an overview of the alternatives under consideration
3. Solicit feedback on design concepts of preliminary preferred alternative

PROJECT DRIVERS - GROWTH



BACKGROUND: Oakville Downtown Core Servicing Strategy recommended by Master Plan (subject to further study)



WASTEWATER PUMPING STATION

- Wet well – 1 hour storage, with overflow
- Dry well – pumps (duty + standby)
- Control panel
- Standby Generator

INFRASTRUCTURE IMPROVEMENT DRIVERS

- **Navy St WWPS currently close to maximum capacity**
 - Built in 1985 (life horizon of 20 years)
 - Wet Well/Dry Well Type
 - Current capacity 66 L/s, Future flow 100 L/s
 - No reliable backup power
 - Overflows due to low wet well retention time
 - Insufficient ventilation



INFRASTRUCTURE IMPROVEMENT DRIVERS

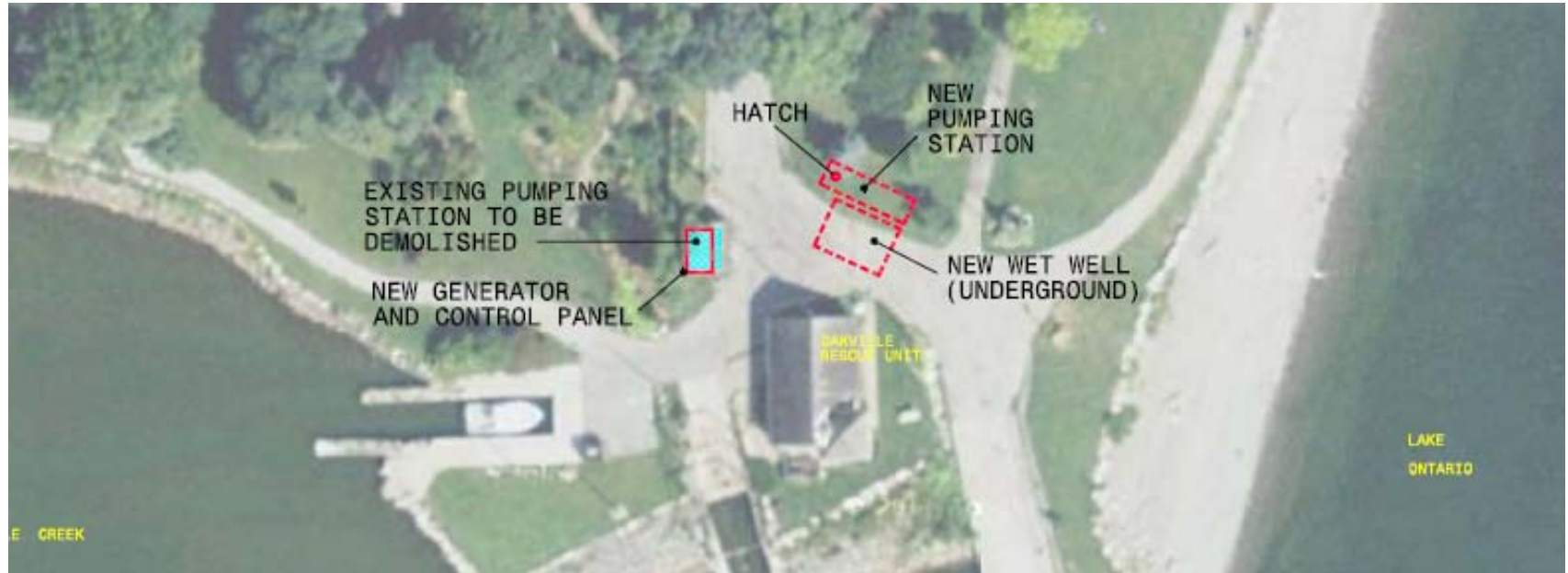
- **Water St WWPS capacity available for future growth**
 - Built in 1967 (life horizon of 5 years)
 - Prefabricated Type
 - Current capacity 21 L/s, Future flow 10 L/s
 - No reliable backup power
 - Overflows due to low wet well retention time



PROJECT BACKGROUND: Alternatives Identified

- **Alternative 1 “New Navy St WWPS”:**
 - New Navy St WWPS
 - Water St WWPS adds new standby generator only
- **Alternative 2 “New Water St WWPS”:**
 - Elimination of Navy St WWPS
 - New Water St WWPS collecting all flows
- **Alternative 3 “Partial Diversion”:**
 - Navy St WWPS adds new standby generator and wet well only
 - Water St WWPS adds new standby generator and replaces pumps only

ALTERNATIVE 1: NEW NAVY ST WWPS



- Provide new WWPS and increase pumping capacity from 66 L/s to 100 L/s
 - PS to be wet well/dry well, underground can-type
- Provide new wet well (360 m³)
 - Increase peak flow storage from 1.4 minutes to 1 hour
- Provide 250 kW generator set above existing WWPS

ALTERNATIVE 1: WATER ST WWPS ADDS NEW STANDBY GENERATOR ONLY

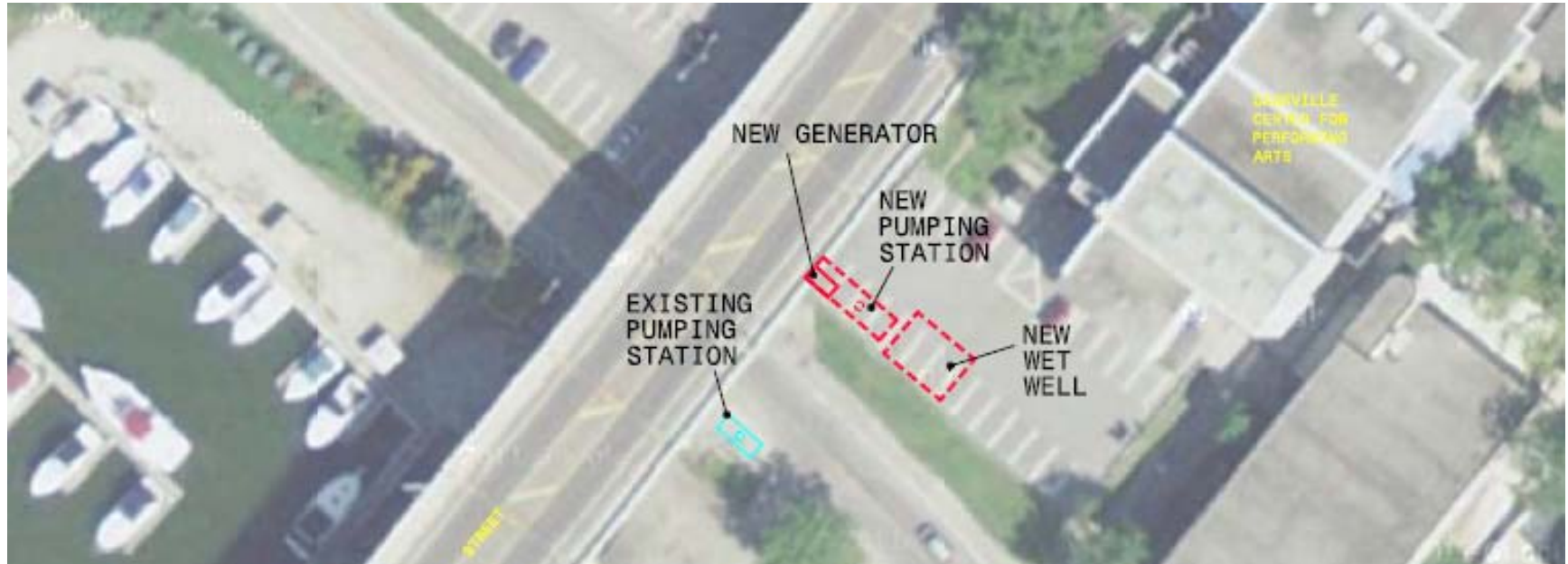


- Maintain pumping capacity 21 L/s
- Maintain current wet well
- Provide 100 kW generator set within OCPA parking lot

ALTERNATIVE 2: NAVY ST WWPS DECOMMISSIONED



ALTERNATIVE 2: NEW WATER ST WWPS



- Provide new WWPS and increase pumping capacity from 21 L/s to 110 L/s
 - PS to be wet well/dry well, underground can-type
- Provide new wet well (396 m³)
 - Increase peak flow storage from 1.3 minutes to 1 hour
- Provide 250 kW generator set in OCPA parking lot

ALTERNATIVE 3: PARTIAL DIVERSION


















- Maintain pumping capacity 66 L/s at Navy St WWPS
 - Upgrade exteriors, lighting and ventilation
- Provide new wet well (79 m³)
 - Increase peak flow storage from 2.2 to 20 minutes
- Provide 125 kW generator set

ALTERNATIVE 3: PARTIAL DIVERSION



- Replace pumps at Water St WWPS to increase pumping capacity from 21 L/s to 44 L/s
- Maintain current wet well
 - Peak flow storage of 3.4 minutes
- Provide 80 kW generator set in OCPA parking lot

ALTERNATIVES EVALUATION RATING

CRITERIA	ALTERNATIVE 1 NEW NAVY	ALTERNATIVE 2 NEW WATER	ALTERNATIVE 3 PARTIAL DIVERSION
Socio-economical			
Environmental Impacts			
Land Ownership			
Constructability			
Operations			

PRELIMINARY PREFERRED ALTERNATIVE

- **Alternative 2 is preferred**
 - Diversion of all flow to Water St WWPS
 - Complete replacement of old facilities
 - Removal of Navy St WWPS from high interest public area
 - Removal of Water St WWPS from floodplain
 - Centralized operation of drainage area at Water St WWPS
 - Estimated Capital Cost \$4.9 million
 - Lowest whole life cost and net present values

DESIGN CONCEPTS FOR NEW WATER ST WWPS

- **Conservation Halton Consultation**
 - Preferred that expansion does not increase the environmental risk relative to the existing conditions
 - Works to withstand Regional Storm Event
 - Works in floodplain to be sealed at surface
 - Generator to be dry flood-proofed
 - Water St WWPS 1.5 m below floodplain – expansion works located outside of floodplain

SIXTEEN MILE CREEK FLOODPLAIN



LIVABLE OAKVILLE

- Per Livable Oakville, *infrastructure* is permitted in all Land Use designations
 - Existing Water St WWPS is located within Hazard Lands and a Natural Area.
 - Risks associated with the Hazard Lands are proposed to be mitigated by the landward orientation of the new Water St WWPS to the east side of the existing Water St Right-of-Way. During design phase, mitigation of risk associated with Hazard Lands, will be achieved by applying wet-floodproofing to process portions of the sewage works, and applying dry-floodproofing standards to mechanical and electrical systems not rated for immersion.
 - Proposed that new Water St WWPS be relocated from a Natural Area to within the Downtown Oakville - Central Business District Growth Area Boundary .
- A low visible footprint design is suggested to minimize visual impact to community.

WATER ST – VIEW TO NORTH OF WWPS



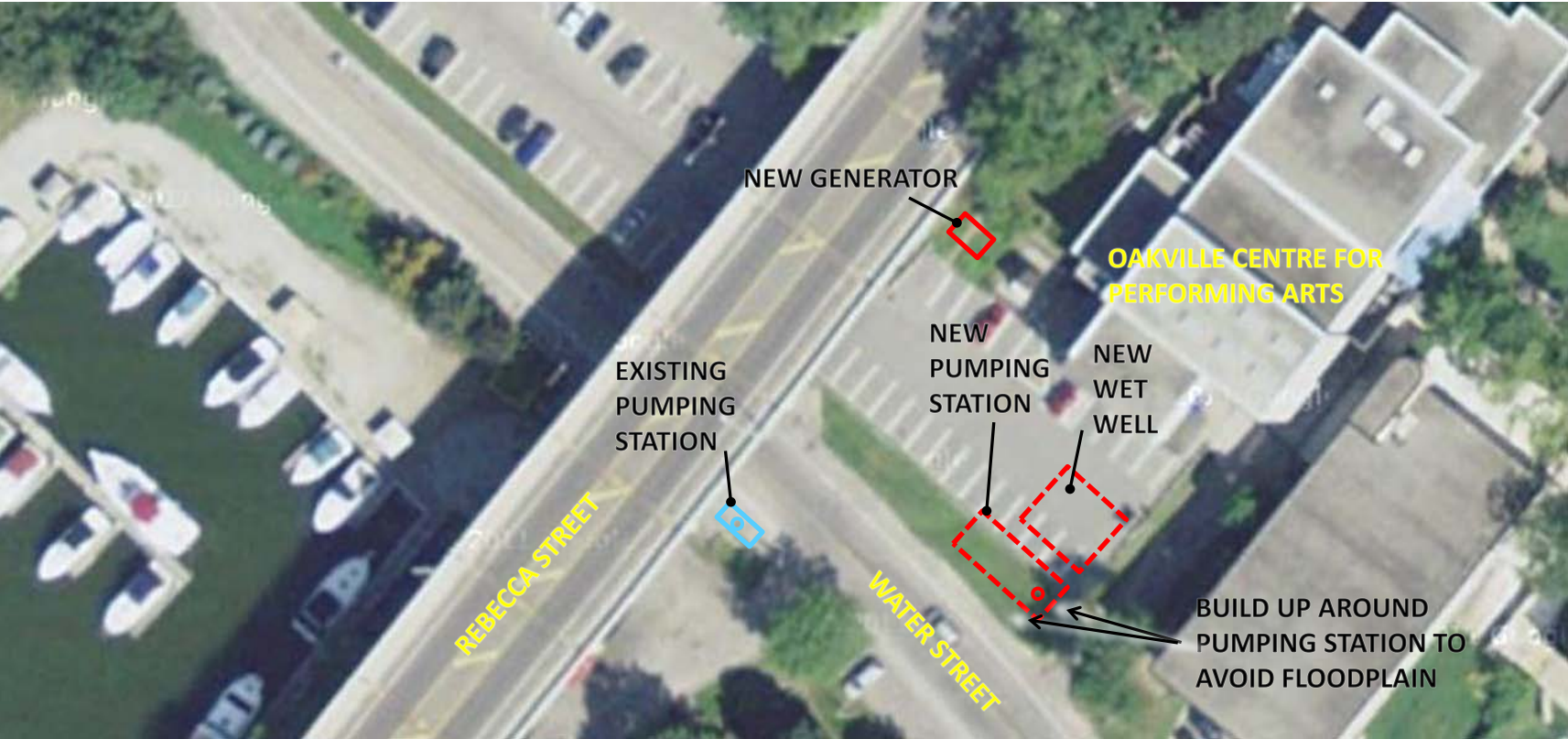
WATER ST – VIEW TO EAST OF WWPS



ORIENTATION I



ORIENTATION II



ORIENTATION III



Sewer Routing Options

- 1. Waterfront routing**
- 2. Navy St routing**
 - A. South sewer through Lakeside Park
 - B. South sewer along Front Street
- 3. Thomas St routing**

OPTION 1: WATERFRONT ROUTING



OPTION 2A: NAVY ST ROUTING – VIA LAKESIDE PARK



OPTION 2B: NAVY ST ROUTING – VIA FRONT ST



OPTION 3: THOMAS ST ROUTING



NEXT STEPS

Project Initiation Meeting	- 21 August 2013
Develop Consultation Plan	- 28 August 2013
Meeting with Town of Oakville	- 5 September 2013
Notice of Commencement	- November 2013
PIC	- January 8 th 2014 (tentative)
Post Project File	- April 2014
Design	- late 2014
Construction	- 2015

Collin, Clair G

From: Liu, Mickey [Mickey.Liu@halton.ca]
Sent: Thursday, 19 September, 2013 3:38 PM
To: Erik Zutis
Cc: Liver, Susan; Collin, Clair G; Dan Cozzi
Subject: RE: new Water St WWPS servicing Oakville downtown
Attachments: Town of Oakville 5Sep13_(final).pdf; min_130905 Navy PS Class EA Oakville Town Meeting.pdf

Hi Erik – the attendees are as below. The meeting presentation and minutes are attached. Key questions:

- 1) Can the latest as-built for Rebecca Bridge be provided so as to see how close new Water WWPS has to stay away from the bridge
- 2) Any chance to build new Water WWPS under the bridge, in a coordination with the future bridge rehab work
- 3) Any concerns or opportunities to coordinate the proposed sewer routes/works along Water, Navy, Front, Thomas, and William Streets.

Attendees:	Name	Company
	Dan Bijsterveld (DB)	Town of Oakville (OAK) (Development Engineering
	Janis Olbina (JO)	OAK (Parks)
	Paul Demczak (PD)	OAK (Planning)
	Joe Henning (JH)	OAK (Oakville Centre for the Performing Arts; OCP)
	Mickey Liu (ML)	Halton Region (HR)
	Susan Liver (SL)	Black & Veatch (B&V)
	Clair Collin (CC)	B&V

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Erik Zutis [mailto:EZutis@oakville.ca]
Sent: Thursday, September 19, 2013 2:51 PM
To: Dan Cozzi; Liu, Mickey
Cc: 'Susan Liver'; 'Collin, Clair G'
Subject: RE: new Water St WWPS servicing Oakville downtown

Hi Mickey,
Can you tell me who from the Town was at the meeting?

Erik Zutis
Manager, Infrastructure Planning
Engineering and Construction
Town of Oakville | 905-845-6601 ext.3317 | f: 905-338-4159 | www.oakville.ca

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From: Dan Cozzi
Sent: Wednesday, September 18, 2013 1:25 PM
To: 'Liu, Mickey'; Erik Zutis
Cc: 'Susan Liver'; 'Collin, Clair G'
Subject: RE: new Water St WWPS servicing Oakville downtown

Hi Mickey – sorry about the delay in responding. I will have our Manager of Infrastructure Planning, Erik Zutis, respond to you in short order.

As per our telephone conversation, we are scheduled to rehabilitate the deck of the Rebecca Street Bridge over 16 Mile Creek. You are correct in that we did carryout some pier rehab over the last couple of years.

Also, we are planning to rehabilitate the Lakeshore Road Bridge at 16 Mile Creek as well.

The timing for the Rebecca Bridge Rehab is tentatively 2014 – but we do have a lot of coordination with Halton (e.g. hanging the new sewer pipe under the bridge) – so we have to resolve several things which may make this a 2015 project.

The timing for Lakeshore Bridge Rehab is tentatively 2016. Obviously, we cannot have any overlap of the two projects as these are vital connections to our downtown core.

Dan Cozzi, P. Eng.

Director

Engineering and Construction

Town of Oakville | 905-845-6601 ext.3303 | f: 905-338-4159 | www.oakville.ca

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From: Liu, Mickey [<mailto:Mickey.Liu@halton.ca>]
Sent: Friday, September 13, 2013 12:14 PM
To: Dan Cozzi
Cc: Susan Liver; Collin, Clair G
Subject: new Water St WWPS servicing Oakville downtown

Hi Dan

Halton is undertaking an EA study for Navy and Water St wastewater pumping stations (WWPS) drainage area. The preference is to build a new Water St WWPS and decommission current Navy St WWPS. The project team had a meeting with the Town's staff (meeting presentation as attached). There was a general consensus on the likely location of new station and resulting sewer routes, specifically referring to Slide #26, #30, and #31.

Slide #26 shows the preferred location which is very close to Rebecca bridge. I've touched base with Mark Bajor and learned that there were some pier works last year and will be some deck works next year. Do you have any further planned bridge works in next 3 to 5 years? Also could you please provide me the bridge as-constructed info, including last year's works.

Slide #30 and #31 show the possible sewer routes diverting flows from Navy to new Water WWPS. Please comment on these routes and let me know your concerns or any opportunities for construction coordination.

I will call you to follow up shortly.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Liu, Mickey
Sent: Friday, September 13, 2013 11:12 AM
To: Janis Olbina (jolbina@oakville.ca); DBijsterveld@oakville.ca; jhenning@oakville.ca; Paul Demczak; Heinz Hecht (hhecht@oakville.ca); kizakowski@oakville.ca; Chris Mark (cmark@oakville.ca); Jane Arnett (JArnett@oakville.ca)
Cc: Susan Liver; Collin, Clair G; MacKenzie, Ronald
Subject: Town of Oakville Sept 5 meeting materials

Thanks all for making this meeting happen.

As promised, please see the attached meeting notes, presentation, and a map showing the existing drainage area for existing Navy and Water St pumping stations (or the new Water St pumping station).

Paul, during the meeting you had a question re how many populations will be serviced by this new station. The servicing populations are estimated as below based on the ROPA 39 (BPE data) up to year 2031. Let me know if these numbers are somewhat off what's really happening on the ground, given the impression of looming developments within the drainage area.

Residential	2318 pop
Industrial	0
Commercial	2705 emp
Institutional	110 emp

Joe, may I volunteer you as the designated liaison person for the "Cultural Hub" initiative, or you may suggest someone else who can share this EA study with the "Cultural Hub".

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

Collin, Clair G

From: Liu, Mickey [Mickey.Liu@halton.ca]
Sent: Thursday, 07 November, 2013 12:21 PM
To: Liver, Susan
Cc: Collin, Clair G
Subject: FW: Navy and Water Street Wastewater Pumping Station EA Study

A fyi - as expected, the group of Town's stakeholders is getting bigger.

Could you add these names to our contact list.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Dan Cozzi [<mailto:DCozzi@oakville.ca>]
Sent: Thursday, November 07, 2013 9:41 AM
To: Liu, Mickey; Erik Zutis
Cc: Jane Clohecy; 'Kack, Gordon (gordon.kack@mhpm.com) (gordon.kack@mhpm.com)'; 'cberman@brookmcilroy.com'; Scott McMillan; Christina Tizzard; Kirk Biggar; Janis Olbina; Mary Jo Milhomens
Subject: Navy and Water Street Wastewater Pumping Station EA Study

Hi Mickey:

I read with interest the commencement of the Region's Class EA Study notice of commencement:

<http://www.halton.ca/cms/One.aspx?portalId=8310&pageId=111462>

I want to let you know that the town has started work on 2 major studies:

1. The Downtown Cultural Hub Study: This is looking at several town owned parcels in the downtown but primarily Centennial Square (the Pool, Library and Performing Arts) property on the west side of Navy Street between Lakeshore Road and Randall and also the Fire Station at the northwest corner of Randall/Navy
2. Downtown Transportation and Streetscape Study: the study limits are the downtown bounded by Robinson Street to the south, Randall Street to the north, Allen Street to the east and the 16 Mile Creek to the west.

Typically, a project like this would require our consultation from our Infrastructure Planning division (Erik Zutis). In addition, there will need to be some meeting(s) to discuss coordination matters between the above town studies and Halton's Class EA.

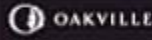
Please make a note of this as part of your TAC engagement process. I have copied the relevant staff and consulting staff here at the town that will be involved.

Dan Cozzi, P. Eng.

Director

Engineering and Construction

Town of Oakville | 905-845-6601 ext.3303 | f: 905-338-4159 | www.oakville.ca



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Thank you

Collin, Clair G

From: Liu, Mickey [Mickey.Liu@halton.ca]
Sent: Thursday, 28 November, 2013 9:40 AM
To: Liver, Susan
Cc: Collin, Clair G
Subject: FW: sewer easement - Navy/Water WWPS EA

Morning Susan – see below. So basically it's a no for sterilizing the “tennis court”.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Lane, Keenan
Sent: Thursday, November 28, 2013 9:37 AM
To: Liu, Mickey
Subject: FW: sewer easement - Navy/Water WWPS EA

Hi Mickey,

We have finally got comments back from the Town. They don't like your alignment proposal, so maybe we should book a meeting to review our options. I will leave it to you to arrange.

Kind regards,

Keenan G. Lane, CRA

Acting Manager
Realty Services
(905)-825-6000 ext. 3275
Keenan.Lane@halton.ca



1151 Bronte Road
Oakville, ON
L6M 3L1

From: Maynard Millman [<mailto:MMillman@oakville.ca>]
Sent: Thursday, November 28, 2013 9:25 AM
To: Lane, Keenan
Subject: RE: sewer easement - Navy/Water WWPS EA

Good morning Keenan. Sorry to have been so long on responding and I thank you for the heads up. On first glance by our senior management, this proposal is recognized to likely to be a serious problem to us and at this time I can say without question that we are unlikely to support it. There are potentially some serious issues regarding the museum lands and certainly we do not want to sterilize our lands currently used by the Oakville Club as tennis courts. I assume that through the EA, we will be given the opportunity to make a formal presentation and in anticipation of this, we will continue consider the potential impacts.

Maynard

Maynard Millman, AACI(R), P.App(R), PLE
Realty Services Manager
Legal

Town of Oakville | 905-845-6601 ext.3022 | f: 905-338-4184 | www.oakville.ca



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From: Lane, Keenan [<mailto:Keenan.Lane@halton.ca>]
Sent: Monday, September 30, 2013 12:01 PM
To: Maynard Millman
Subject: FW: sewer easement - Navy/Water WWPS EA

Hi Maynard,

We are in the early design stage of a sewer and Wastewater is kicking around an alignment option that would impact 2 Town properties (see below). The properties appear to be used for active and passive park areas and I am curious about what the Town's long term objectives for these parcels are. Halton would be directional drilling (TBM) for this section of the pipe at a depth of around 5m, so there would be no surface impacts. Notwithstanding this, the easement area bisects the one parcel and would effectively sterilize future development options.

This alignment option is cost effective for Halton, but hinges on the Town's perspective regarding these two properties. Have a look at the diagram below when you have some time and let me know your thoughts.

Kind regards,

Keenan G. Lane, CRA

Acting Manager

Realty Services

(905)-825-6000 ext. 3275

Keenan.Lane@halton.ca



1151 Bronte Road

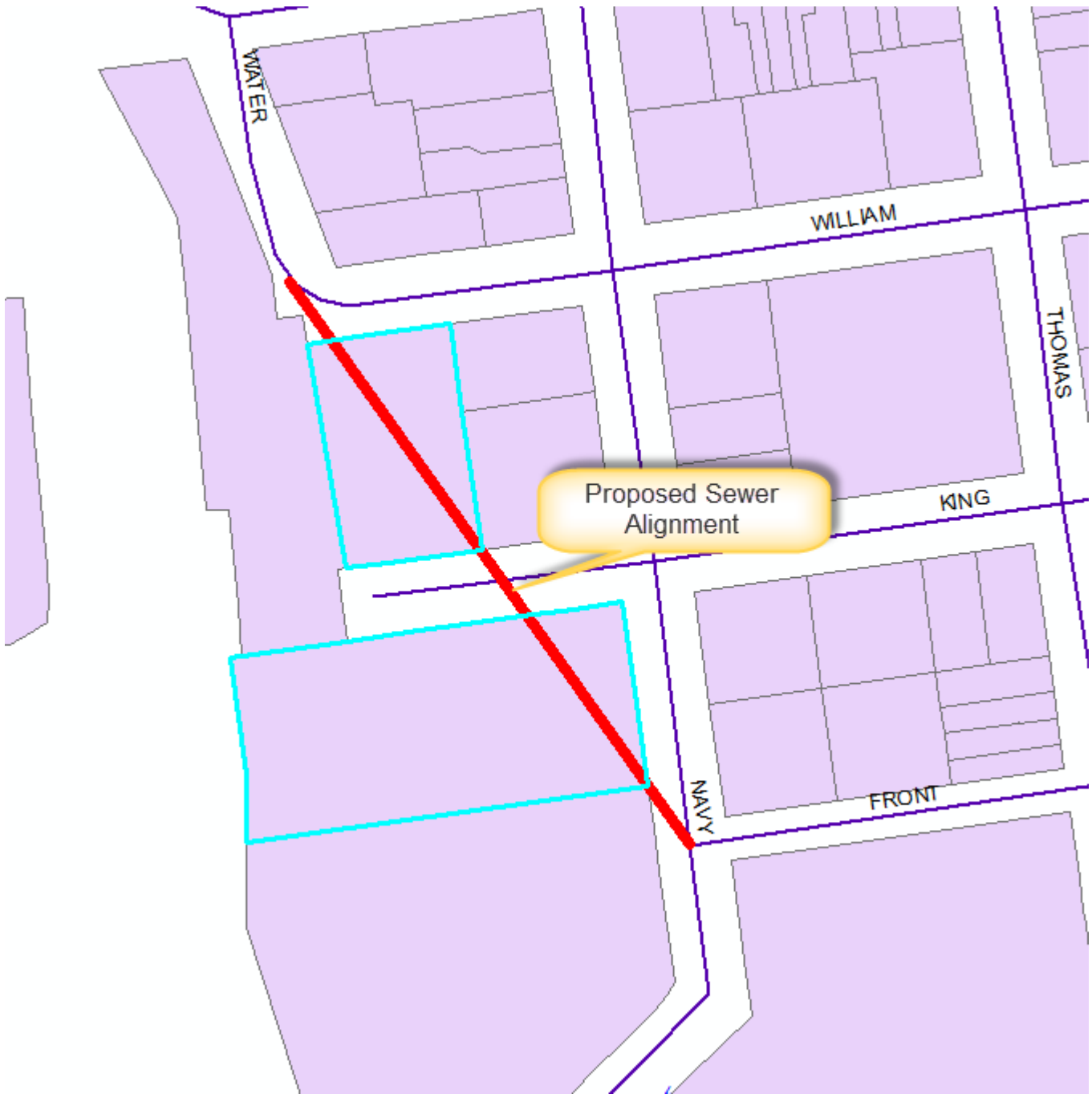
Oakville, ON

L6M 3L1

From: Liu, Mickey
Sent: Monday, September 30, 2013 11:41 AM
To: Lane, Keenan
Subject: sewer easement - Navy/Water WWPS EA

Hi Keenan – here's the map showing the proposed alignment and subject two properties outside of ROW.

The sewer construction will use trenchless technology therefore there is virtually no impact on the surface.



Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

Collin, Clair G

From: Darnell Lambert [DLambert@oakville.ca]
Sent: Tuesday, 04 March, 2014 3:59 PM
To: Liu, Mickey
Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Liver, Susan; Collin, Clair G; Chris Mark; Maynard Millman
Subject: RE: DCH - Region of Halton Water Street pumping station

Mickey:

My comments are below ins red.

Thank you for considering and accommodating our input into your project.

Sincerely,
Darnell

From: Liu, Mickey [mailto:Mickey.Liu@halton.ca]
Sent: Tuesday, March 04, 2014 1:57 PM
To: Darnell Lambert
Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Chris Mark; Maynard Millman
Subject: RE: DCH - Region of Halton Water Street pumping station

Hi Darnell – I have the following information and would appreciate you could provide comments by the end of this week.

- 1) The R plan for OPBC (many thanks to Maynard) has been overlaid on the map. Generally the boundary of leased land follows the north edge of the OPBC parking lot. The layout is re-oriented with a dedicated access entirely in the Hillmer park (map attached) further away from the leased land. The exact location can be tweaked a bit to fit in the place bounded by the volleyball pit, walk pathway, and surrounding trees. The intent is to have a separate unrestricted access for new pumping station maintenance; **Thanks for the relocation to avoid the leased lands. We can discuss how access can be derived through the detailed design.**
- 2) As previously communicated, an open cut is envisioned for linear work along Water St since a majority of sewers have a very shallow depth (1.5~3 metres deep south of Randall St). It would be cost-prohibitive and unjustifiable for tunnelling this shallow stretch. Some deeper sections might explore the possibility of tunnelling north of Randall St but are not anticipated at this time. During the construction one lane would be kept open on Water St for traffic; **Ok.**
- 3) In light of this new location/access and traffic management, the construction of new pumping station seems having little extra impact on the OPBC operation. The public access to OPBC will be maintained all the time during the construction for linear work along Water St. It's desirable not to tie into a confined construction window if possible; **Ok.**
- 4) The coming EA study PIC intends to present one board referencing the DCH (slide attached). I had the old DCH boundary from Kirk Biggar before you took the lead on communicating the DCH. However it's somehow labelled "Central Business District" on the map. That's why I briefly touched base trying to confirm that. For sure any formal requests have been and will be going through you. Sorry for the confusion. **No problem.**

By the way, let me know if you think the PIC should include any other slides related to DCH for coordination. If so please provide the slides and Town's staff can present at the PIC. Also It is normal to carry out a pre-construction survey prior to the construction and I would make sure that's the case. **Thanks – at this point I believe all that is required is for the Region to be aware of the DCH study and the fact that you are liaising with Town staff involved in the DCH satisfies this matter. Had you proceeded with your original proposal – it would have begged the question of coordination, however the new plan (for me) clearly suggests that a level of coordination is taking place. Beyond that your staff can attest to the fact that you are coordinating with the Town and are aware of the DCH study and that the site selected for your Pumping Station is a result of the discussions with members of the DCH team.**

Yours slides are acceptable for presentation.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Darnell Lambert [<mailto:DLambert@oakville.ca>]
Sent: Tuesday, March 04, 2014 9:11 AM
To: Liu, Mickey; Maynard Millman
Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Chris Mark
Subject: RE: DCH - Region of Halton Water Street pumping station

Mickey:

I understand you had an inquiry of the boundary of the DCH study. IF so please direct this request to me as opposed to our consultants.

Thanks,
Darnell

From: Liu, Mickey [<mailto:Mickey.Liu@halton.ca>]
Sent: Wednesday, February 26, 2014 11:57 AM
To: Darnell Lambert; Maynard Millman
Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Chris Mark
Subject: RE: DCH - Region of Halton Water Street pumping station

Hi Maynard – I would appreciate if you could provide the R plan showing the parts related to the boundary as soon as possible. The project team need to assess the impact and respond prior to finalizing the PIC material next week.

Darnell: I will respond to your questions collectively in a separate email.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning

Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Darnell Lambert [<mailto:DLambert@oakville.ca>]

Sent: Wednesday, February 26, 2014 11:38 AM

To: Maynard Millman; Liu, Mickey

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Chris Mark

Subject: RE: DCH - Region of Halton Water Street pumping station

Mickey:

The intentions of my revised plan to you was to indicate that the proposed new station would be fully within our (the Town's) Hillmer Park. While I believed that to be immediately north of the OPBC parking lot, we (the Town) will provide a reference plan for your use so that you can clearly understand our boundary definition of Hillmer Park.

Mayard:

Can we provide the Region with a Plan that defines the OPBC leased lands and that of Hillmer Park to enable them to properly place the facility.

Thanks all.

Darnell

Darnell Lambert, C.E.T.

Director

Development Engineering

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From: Maynard Millman

Sent: Wednesday, February 26, 2014 11:30 AM

To: Darnell Lambert; 'Liu, Mickey'

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Chris Mark

Subject: RE: DCH - Region of Halton Water Street pumping station

Darnell, it would be preferable to have the infrastructure moved fully into Hillmer Park rather than part in the park and part on the OPBC leased lands.

Maynard

Maynard Millman, AACI(R), P.App(R), PLE
Realty Services Manager

Legal

Town of Oakville | 905-845-6601 ext.3022 | f: 905-338-4184 | www.oakville.ca



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From: Darnell Lambert

Sent: Wednesday, February 26, 2014 11:05 AM

To: 'Liu, Mickey'

Cc: DCH; Jane Clohery; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Maynard Millman; Chris Mark

Subject: RE: DCH - Region of Halton Water Street pumping station

Mickey:

The Town met with the Oakville Power Boat Club and from the meeting we are proposing some minor revisions to the plans shared to date. I believe these are very minor and nature and serve to simply allow this project to move forward with little conflict.

Please advise if you have any concerns with the suggested minor changes.

The club will most likely have members attend your meeting so it would be nice to update these plans based on my attached proposed revisions. Questions still remain around timing, duration, access, etc. I believe you would be looking at a 8 month project and ideally you would set your timing to best avoid the busy boating season. Respecting that you cannot fully negate it what would be your proposed timing (Sept to Mar)? Additionally, given that it is highly preferable to keep Water Street open to the largest extent possible, are you considering tunneling along Water Street?

The clubhouse would require access at all times even if only for fire services. I believe the proposed plan accommodates that. The only other item that would most likely come up in the older areas and this would apply to the OPBC building as well is the desire to undertake pre-construction surveys of older existing buildings which I believe would be of benefit to the Region and the building owners.

Let me know your thoughts.

Darnell

Darnell Lambert, C.E.T.

Director

Development Engineering

Town of Oakville | 905-845-6601 ext.3320 | f: 905-338-4414 | www.oakville.ca



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From: Liu, Mickey [<mailto:Mickey.Liu@halton.ca>]

Sent: Thursday, February 13, 2014 12:31 PM

To: Darnell Lambert

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Maynard Millman; Chris Mark

Subject: RE: DCH - Region of Halton Water Street pumping station

Hi Darnell – thanks for your input. I have the following for your questions.

- 1) The stack height is estimated to accommodate all nearby **air quality receptors**, including the adjacent park and any new residential development on the east side of Water St. The residential development is not expected to have any impact on the height of the stack, as it will be further away from the genset than the park is.

Note that some genset noise mitigation measures might be required for the residential development since an inhabited residential building is considered a **sensitive noise receptor**, whereas the park is not. Although the noise would only be during maintenance testing and short in duration, it might still need to be controlled depend on the details of the proposed residential buildings. Some mitigation controls, if needed, could be incorporated into the design of either the buildings or the genset.

- 2) Really appreciate the Town's approach with the Power Boat Club to secure this location. Since the club now becomes a key stakeholder of the study, I will add its contact to the project mailing list for notices but will refer the pending dialog to the Town's process of this lease renewal. The PIC will be held on **Mar 20 2014** with the preferred location so it is always better to inform the club sooner rather than later.
- 3) I briefly touched base with Halton Realty re land ownership. It seems most likely up to the Town's discretion how to secure the land (easement or fee simple) and maintenance access (road allowance or easement) to this new pumping station for Halton. Keenan (Halton Realty manager) will be talking to the Town's Realty shortly.

Regards,

Guo (Mickey) Liu, P.Eng., PMP

Project Manager, Wastewater Planning

Wastewater Services, Public Works, Halton Region

Tel: 905-825-6000 ext. 7235

Fax: 905-825-8822

From: Darnell Lambert [<mailto:DLambert@oakville.ca>]

Sent: Thursday, January 30, 2014 8:36 AM

To: Liu, Mickey

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G; Maynard Millman; Chris Mark

Subject: RE: DCH - Region of Halton Water Street pumping station

Mickey:

The Town appreciates the Regions accommodation of our request to locate the future pumping station in this alternate location and we are pleased to see that technically this is workable.

In response to your comments, I have the following questions which I have laid out corresponding to you numbers.

- 1) With respect to the stack from the genset, if the lands immediately east of this location (current Fire Station and Parking Lot site) convert to become residential use, will the stack need to be even taller or will there be an issue with respect to residential separation?
- 2) No comment
- 3) The Town can now work towards renewing the lease for the Power Boat Club which will protect for the future delivery of this project. Your installation of bollard will essentially render some parking lot land useless for future use, and therefore we would be unable to lease these lands. I believe the impact would approximately 5 to 6 parking spaces which the Power Boat Club currently make use of. At this point I believe we should move forward with this option and see if we receive some comment back from the Power Boat Club on this proposal. Our leasing costs would have to account for this loss. I believe our Realty team and Parks and Open Space team will be drafting the new lease for the Power Boat Club and they can share with you the terms that would be introduced to secure this option for the Region.
- 4) No comment

One item we have not discussed is the matter of land ownership. No matter what option was to be selected, all options proposed by the Region to date were on Town lands that reside outside of a public road allowance. What was our thoughts on how to secure your interests in these lands – lease, purchase?. We will need to resolve this matter as well sooner than later so your input here would be appreciated.

I we truly believe this new location is preferable to the earlier one and thank you again for your efforts in this regard.

Sincerely,
Darnell

Darnell Lambert, C.E.T.

Director

Development Engineering

Town of Oakville | 905-845-6601 ext.3320 | f: 905-338-4414 | www.oakville.ca



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From: Liu, Mickey [<mailto:Mickey.Liu@halton.ca>]

Sent: Thursday, January 23, 2014 12:18 PM

To: Darnell Lambert

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G

Subject: RE: DCH - Region of Halton Water Street pumping station

Hi Darnell – thanks for your timely comments. I really appreciate the Town’s creative effort for finding a new home for Water St pumping station.

Overall the project team think Location A is workable after carefully reviewing the pros and cons for both options. Together we refined a package (figures in PDF attached) with the following notes:

- 1) Figure 1 illustrate the footprint at or above grade. The genset and access have been orientated for wastewater flow hydraulics. The bollards are set there to restrict parking on the paved maintenance area (green hatched) for crane truck access at the emergency. Note that the genset stack is now higher due to the closer proximity to the

park from an air quality perspective. Again all of these above grade can be blended into nice architectural features;

- 2) Figure 2 illustrate the underground pumping station with inlet gravity sewer off Water St and outlet forcemain to the Randall Bridge;
- 3) Figure 3 illustrate the possible fence off area and temporary access to the club during the construction. Note that two temporary access are envisioned from either the main entrance (Alternative 1) or the park (Alternative 2). This conceptual footprint is somewhat going beyond this EA study because there will a lot of details to be ironed out in the detailed design. Since it sounds imminent for a lease renewal between the Town and the club, I am not sure whether some general terms of required fully collaboration and coordination during the construction would better serve this coming new lease;
- 4) Figure 4 illustrate the preliminary preferred sewer routes within the current road allowance.
 - a. An open trench sewer will be on Water St from William to new Water St pumping station at Location A;
 - b. An open trench forcemain will be on Water St from the pumping station to the Randall Bridge;
 - c. Two sewers by tunnelling on William and Navy with proposed pit locations;
 - d. An open trench forcemain will on the south end of Navy St servicing one shed there (by new private pumping for TOWARF due to decommission of Navy St pumping station);
 - e. A sewer by tunnelling either on Front St (Option 1) or through the park (Option 2) for collecting flows to new sewer on Navy St.

Timing wise, the design would start 2015 and construction start 2016 for a 12 to 18 month construction period. We are still searching an image representative of aboveground features for a typical pumping station and will forward as soon as possible.

I think this probably includes quite a bit of information and please call me if you have questions.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Darnell Lambert [<mailto:DLambert@oakville.ca>]

Sent: Tuesday, January 21, 2014 9:51 AM

To: Liu, Mickey

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G

Subject: RE: DCH - Region of Halton Water Street pumping station

Mickey:

Staff met yesterday to review the revised proposal for the replacement pump station on Water Street. I've attached you second proposal with some slight modifications for your consideration. Our preferred option (Location A on the attached) is to see the new pump station moved slightly further north and west within the lands currently leased to the Power Boat Club. We are in the midst of revising the lease agreement with this long tenure client and we would like to

work this proposal into the lease. This option allows our currently unencumbered lands to remain unencumbered to the largest extent.

I realize you have to assess this option from a technical point of view. Please advise if this option is suitable. If it is we can prepare the necessary clauses in our lease agreement to facilitate its installation in the future. We would share these terms with you so that your interests are provided for.

Alternatively (however less desirable) is location B. This option would see a portion of the underground tank on our Municipal Lot 14, however the above ground station would be inside the land lease area to the Power Boat Club. Either of these options appears not to conflict with the functions of the Power Boat Club, thus it would appear not to frustrate any leasing discussions.

Aside from the pump station itself, I've gleaned back at some earlier PIC material and see that several routing options were reviewed for the gravity pipe from Front/Navy to this pump station. Can you advise me on the currently selected route and the planned method of installation (open cut vs bore) as staff would like to comment on this as well. Lastly can you please confirm timing for detailed design, construction and the expected duration of the project. Given the number of projects targeting our Downtown Core area, our Engineering department will be in touch to discuss the timing on the collection of projects and how to best coordinate the work in this area and minimize disruption.

Also if there are any details (images) on what the above ground station would look like that would be appreciated.

Thanks Mickey,

Darnell

Darnell Lambert, C.E.T.

Director

Development Engineering

Town of Oakville | 905-845-6601 ext.3320 | f: 905-338-4414 | www.oakville.ca



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From: Liu, Mickey [<mailto:Mickey.Liu@halton.ca>]

Sent: Friday, January 10, 2014 11:05 AM

To: Darnell Lambert

Cc: DCH; Jane Clohery; Dan Cozzi; Hania Ellison; Duong, John; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com); Janis Olbina; Susan Liver; Collin, Clair G

Subject: RE: DCH - Region of Halton Water Street pumping station

Hi Darnell – hope you had a wonder holiday season.

Further to the meeting of 20Dec2013, the project team has come up with a new location for proposed Water St pumping station (map attached). From wastewater flow and hydraulic point of view, this new location may be the only one with reasonable sewer and pumping station depths, comparing to other possible northward options outside of the ring of Water St. It also has the least impact to the surroundings during the construction and at normal operations.

As a layout on the attached map, the underground size is approximately 20m X 15m at a depth of 10m while the aboveground feature (the genset) is approximately 8m X 5m at a 3m high.

Friday, Jan 24, 2014 is the due date for a collective comment from the Town of Oakville in order to meet next regional council report date. I would appreciate if you could streamline the Town's collective comment on this new location by then.

Please let me know if you have any questions.

Regards,

Guo (Mickey) Liu, P.Eng., PMP
Project Manager, Wastewater Planning
Wastewater Services, Public Works, Halton Region
Tel: 905-825-6000 ext. 7235
Fax: 905-825-8822

From: Darnell Lambert [<mailto:DLambert@oakville.ca>]

Sent: Monday, December 16, 2013 2:38 PM

To: Liu, Mickey

Cc: DCH; Jane Clohecy; Dan Cozzi; Hania Ellison; Philip Kelly; Da Silva, Justin (justin.dasilva@mhpm.com); Gordon Kack (gordon.kack@mhpm.com) (gordon.kack@mhpm.com)

Subject: DCH - Region of Halton Water Street pumping station

Mickey:

I've been looped in on your email of November 27 to Joe Henning in our Recreation and Culture department regarding the Water Street Pumping station EA and some of the thoughts you've been advancing.

Moving forward from here, I would ask that you copy all correspondence to me on this matter as I am involved in the Town's Downtown Cultural Hub Study which is focusing on the lands in this very area and we will need to ensure what the Region proposes is in-keeping with our thoughts for these lands.

To that end I would like to sit down with yourself and your team as we need to exchange information on our perspective projects and determine how to best move forward.

If you can also advise me as to whom your Town contact points have been thus far, I will assist in streamlining your Town comments on your project.

I can see that your first proposal seeks to consume some of our municipal commercial parking lot lands as you seek to abandon your prior pumping location. At this point I can say our interests in this area significantly overlaps and I do not see us supporting the location you have suggested to this point, thus we need to meet to understand each other's objectives and needs.

I am working until the 24th of December so if we can meet between now and then that would be great. I have some available time on:

Dec. 18 – afternoon

Dec. 19 – afternoon

Dec. 20 – morning

If any of these times work for you, please advise and I will arrange a room for meeting.

Sincerely,
Darnell

Darnell Lambert, C.E.T.

Director

Development Engineering





Town of Oakville | 905-845-6601 ext.3320 | f: 905-338-4414 | www.oakville.ca



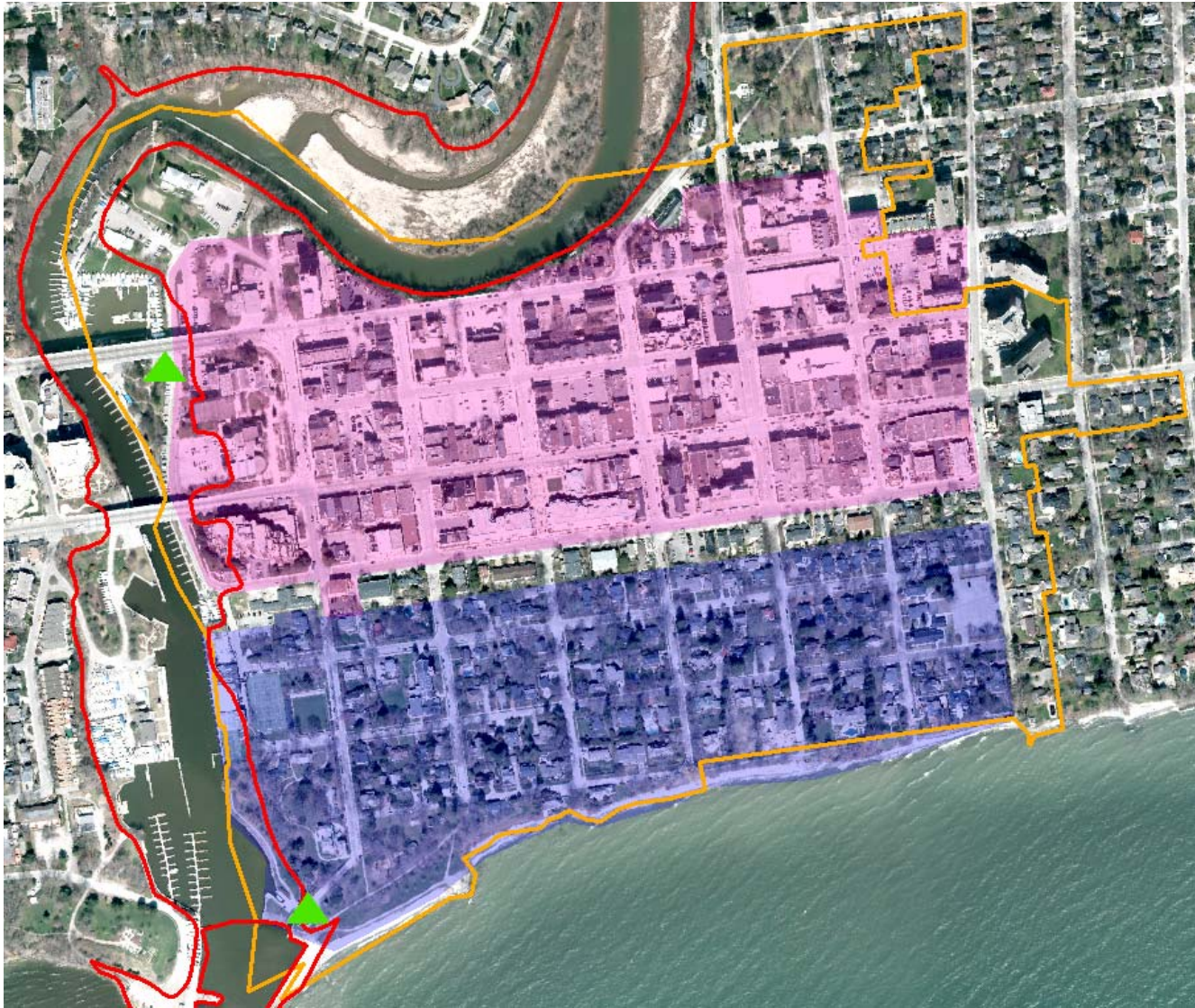
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-  Above ground genset (up to 3m above grade)
-  Pumping Station Access (up to 0.6m above grade)
-  Maintenance access area
-  Wet well access hatches

KEY CONSIDERATIONS – IMPORTANT AREA & STUDIES



- Downtown Cultural Hub Study by Town of Oakville
- Downtown Transportation and Streetscape Study by Town of Oakville
- Old Oakville Heritage Conservation District
- Sixteen Mile Creek Floodplain