

Peter Mott

From: Mineault-Guitard, Alexandre <Alexandre.Mineault-Guitard@stantec.com>
Sent: April 12, 2024 1:27 PM
To: Peter Mott
Subject: FW: 163401964 - Barrhaven Conservancy East - Water Boundary Conditions Request

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Hi Peter,

As discussed, please find below the boundary conditions request sent to the City earlier today.

Best,
Alex

Alexandre Mineault-G, M.A.Sc., ing., P.Eng.
Water Resources Engineer

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Stantec



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From: Mineault-Guitard, Alexandre
Sent: Friday, April 12, 2024 8:23 AM
To: Bougadis, John <John.Bougadis@ottawa.ca>; Shillington, Jeffrey <jeff.shillington@ottawa.ca>
Cc: Paerez, Ana <Ana.Paerez@stantec.com>
Subject: 163401964 - Barrhaven Conservancy East - Water Boundary Conditions Request

Goof morning John and Jeff,

I hope this email finds you well.

Stantec is currently working on updating the hydraulic potable water assessment for the Barrhaven Conservancy East development lands. Using the most current draft plan for the area, the water demands for the Barrhaven Conservancy East Development Lands were updated.

As such, we kindly request the City to provide updated water boundary conditions for the water demands scenarios listed in **Table 1** below, for the following two (2) connection alternatives to the City's network:

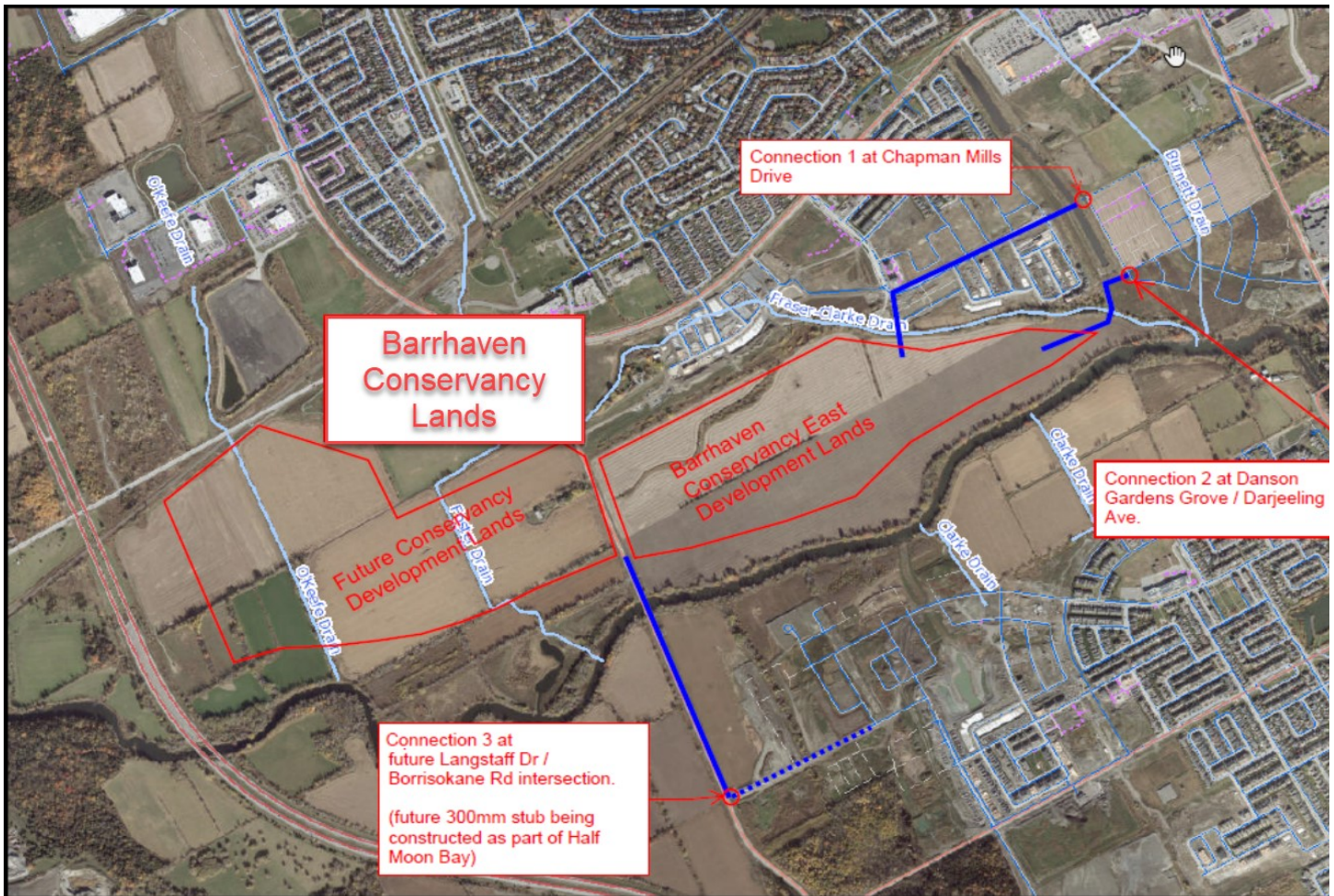
Alternative 1: Two (2) connections to the City's network, as follows:

- Connection #1: The existing 305 mm stub extending from Chapman Mills; and
- Connection #2: The T-junction on the existing 203 mm watermain at Danson Gardens Grove and Darjeeling Avenue (Connection #2).

Alternative 2: Three (3) connections to the City's network, as follows:

- Connection #1: The existing 305 mm stub extending from Chapman Mills;
- Connection #2: The T-junction on the existing 203 mm watermain at Danson Gardens Grove and Darjeeling Avenue (Connection #2) and;
- Connection #3: The future 305 mm stub at the intersection of Flagstaff Drive and Borrisokane Road, which requires crossing the Jock River.

Please refer to the sketch below for additional information on the connection's locations.



As the development area will ultimately be serviced by the pressure Zone SUC, once the reconfiguration is complete, the boundary condition request is for conditions under the Zone SUC servicing only.

Table 1: Water Demand Scenarios – Barrhaven Conservancy East

Scenario	Flow (L/s)
BSDY	12.33
MXDY	30.81
PKHR	67.79
BSDY+FF (216.67 L/s)	229.33
MXDY+FF(216.67 L/s)	247.81

Please let us know if you require any further information. We appreciate your attention to this matter.

Kind regards,
Alexandre

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Water Resources Engineer

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