

# PROJECT UPDATE



Date: February 3, 2022  
 To: Ken McIlwain  
 From: Jacob Scissons  
 Subject: **HAGENSBORG WATER SYSTEM UPGRADES  
 PROJECT UPDATE – JANUARY 2022**

The following is a summary of key dates, recently completed activities, and next steps for the Hagensborg Water System Upgrade project.

## KEY DATES

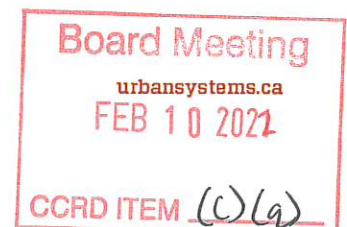
- The *Section 11 Water Sustainability Act Notification* has been reviewed by the Ministry of Forests, Lands, Natural Resource Operations, and Rural Development (MFLNRORD) for the trenchless watermain crossings of local creeks. Work is clear to proceed with appropriate environmental monitoring and best practices in place and completion by June 30, 2022.
- The project completion date for the *Investing in Canada Infrastructure Program* grant is March 31, 2024.

## RECENT WORK COMPLETED

- Plan and profile design drawings are being prepared for upgrades to the west portion of the distribution system piping.
- Ministry of Transportation and Infrastructure (MOTI) has confirmed that steel casing pipes are required for watermain crossings of Highway #20 and local side roads. The design team is now reviewing alternate trenchless installation techniques.
- Vancouver Coastal Health (VCH) has confirmed the treatment requirements for groundwater vs surface water source options. VCH has also provided comments on a potential emergency backup surface water supply that could be drawn on for significant fire events.
- Fire flow storage and conveyance requirements are being reviewed to determine reservoir capacity requirements and distribution pipe sizes.
- Consultation with Nuxalk Nation is underway to identify archaeological review and protocol steps.

## NEXT STEPS

- The geotechnical fieldwork will be scheduled.
- The MOTI permit application will be prepared and submitted for review, comment, and approval.
- The design package will be submitted to VCH for review, comment, and approval.
- Test well drilling plans will be confirmed and scheduled with hydrogeological input.
- Public engagement will commence to communicate key information regarding the project and the proposed water system upgrades.



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- The procurement approach will be developed, including consideration of a single construction contract vs separate contracts for the linear (watermain) and facility (water treatment plant) works.

Sincerely,  
**URBAN SYSTEMS LTD.**

A handwritten signature in black ink, appearing to read "J Scissons".

Jacob Scissons, P.Eng.  
Project Manager

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