

# PROJECT UPDATE



Date: July 6, 2021  
To: Ken McIlwain  
From: Jacob Scissons  
Subject: **DENNY ISLAND COMMUNITY WATER SYSTEM  
PROJECT UPDATE – JUNE 2021**

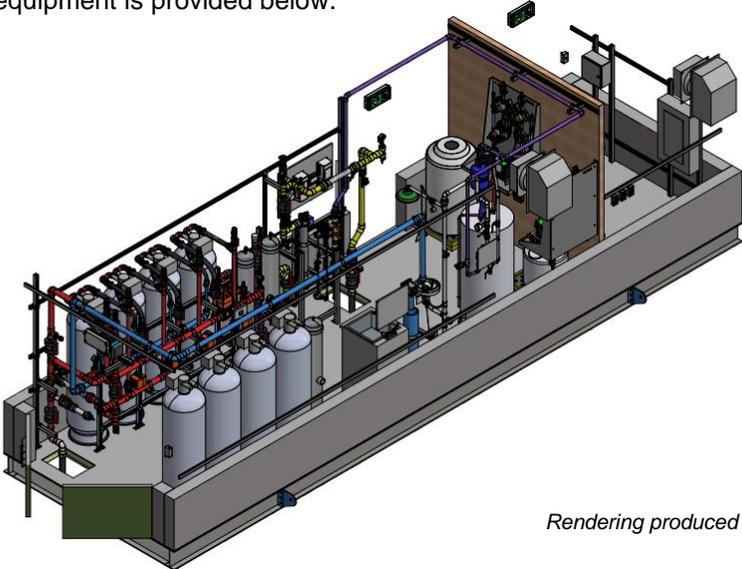
The following is a summary of key dates, recently completed activities, and next steps for the Denny Island Community Water System project.

### KEY DATES

- The Vancouver Coastal Health (VCH) *Water Supply System Construction Permit* for the CCRD water distribution system has been issued and is valid to February 12, 2023.
- The Ministry of Transportation and Infrastructure (MOTI) *Permit to Construct, Use, and Maintain Works Within the Right-of-Way of a Provincial Public Highway* has been issued and is valid until December 31, 2021.
- The Ministry of Forests, Lands, Natural Resource Operations, and Rural Development (MFLNRORD) has issued the CCRD’s *Conditional Water Licence*, a condition of which is that the infrastructure work be completed and water beneficially used by December 31, 2023.
- The project completion date for the *Strategic Priorities Fund* grant is June 30, 2023.

### RECENT WORK COMPLETED

- The reservoir supply and distribution piping contract (being completed by Steve Emery Contracting) is underway. Work along Airport Road is complete and trenching across the school property is beginning now that classes are suspended for the summer.
- The School District #49 water treatment plant contract (being completed by AWC Water Solutions) is underway with designs complete and equipment ordered for pending fabrication. A rendering of the treatment equipment is provided below.



Rendering produced by AWC Water Solutions

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- The new electrical service for the water treatment plant is being coordinated with BC Hydro now that the well pump has been selected and the total electrical load to the plant has been determined.
- Specifications to complete the treatment plant site works, underground piping, and commissioning of the groundwater well are being prepared. This includes provisions for a potential future backup well.
- The CCRD and School District #49 joint services agreement for water system ownership / operation is being drafted. This will be reviewed by VCH as part of the *Operating Permit* conditions.

**NEXT STEPS**

- The environmental permit applications for proposed culvert / creek crossings will be advanced.
- The watermain alignment will be refined targeting the optimal position within the road right-of-way.
- The water service connection locations to each lot in the service area will be reviewed and water meter location / make and model will be determined.
- Hydrant positions will be reviewed, targeting an approximate spacing of 150 metres with adjustments based on ensuring sufficient access to hydrants and maximizing fire protection benefits.
- The procurement approach and phasing for construction of the CCRD water distribution system will be reviewed.
- The construction schedule may be impacted by the ongoing pandemic situation. The project team continues to advance tasks that can be completed safely and remotely.

Sincerely,

**URBAN SYSTEMS LTD.**

A handwritten signature in black ink, appearing to read "J. Scissons", written over a circular stamp or seal.

Jacob Scissons, P.Eng.  
Project Manager

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