

PROJECT UPDATE



Date: February 5, 2021
To: Ken McIlwain
From: Jacob Scissons
Subject: **DENNY ISLAND COMMUNITY WATER SYSTEM
PROJECT UPDATE – JANUARY 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

- Vancouver Coastal Health (VCH) has issued the *Water Supply System Construction Permit* for the CCRD water distribution system, which is valid for one year from March 6, 2020. An extension will be requested to reflect the updated construction schedule.
- 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, which reflects the revised pipe cover of 0.9 metres and is valid until a revised date of 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.

RECENT WORK COMPLETED

- The reservoir supply and distribution piping contract (being completed by Steve Emery Contracting) is underway. The photos below show some of the recent work.



Reservoir Supply / Distribution Pipes



HDPE Fusing

PROJECT UPDATE

Date: February 5, 2021
File: 3383.0005.02
Subject: DENNY ISLAND COMMUNITY WATER SYSTEM
Page: 2 of 2



- School District #49 has short-listed proponents for the supply and installation of the water treatment plant and award is pending.
- The project team is working with BC Hydro regarding the new electrical service required for the water treatment plant.
- Specifications to commission the groundwater well are being prepared.

NEXT STEPS

- The Fisheries and Oceans Canada *Request for Review* and Ministry of Forests, Lands, Natural Resource Operations, and Rural Development *Water Sustainability Act Section 11 Notification* applications for proposed culvert / creek crossings will be advanced.
- The CCRD and School District #49 will draft an agreement in support of the Vancouver Coastal Health *Operating Permit*.
- The watermain alignment will be refined targeting the optimal position within the road right-of-way, which will be partially informed by the trenching observations during the School District #49 works.
- The water service connection locations to each lot in the service area will be reviewed to ensure that each property is serviced by a fronting watermain. Further the position for the water meter box relative to the property line will be reviewed as will the protocols for how / when physical connection to the home is authorized.
- 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 light blue circular stamp.

Jacob Scissons, P.Eng.
Project Manager

U:\Projects_KAM\3383\0005\02\IC-Correspondence\IC1-Client\2021-02-05 Denny Island Water System - January 2021 Update.docx