

The North Salt Spring Waterworks

flowing fresh and clean

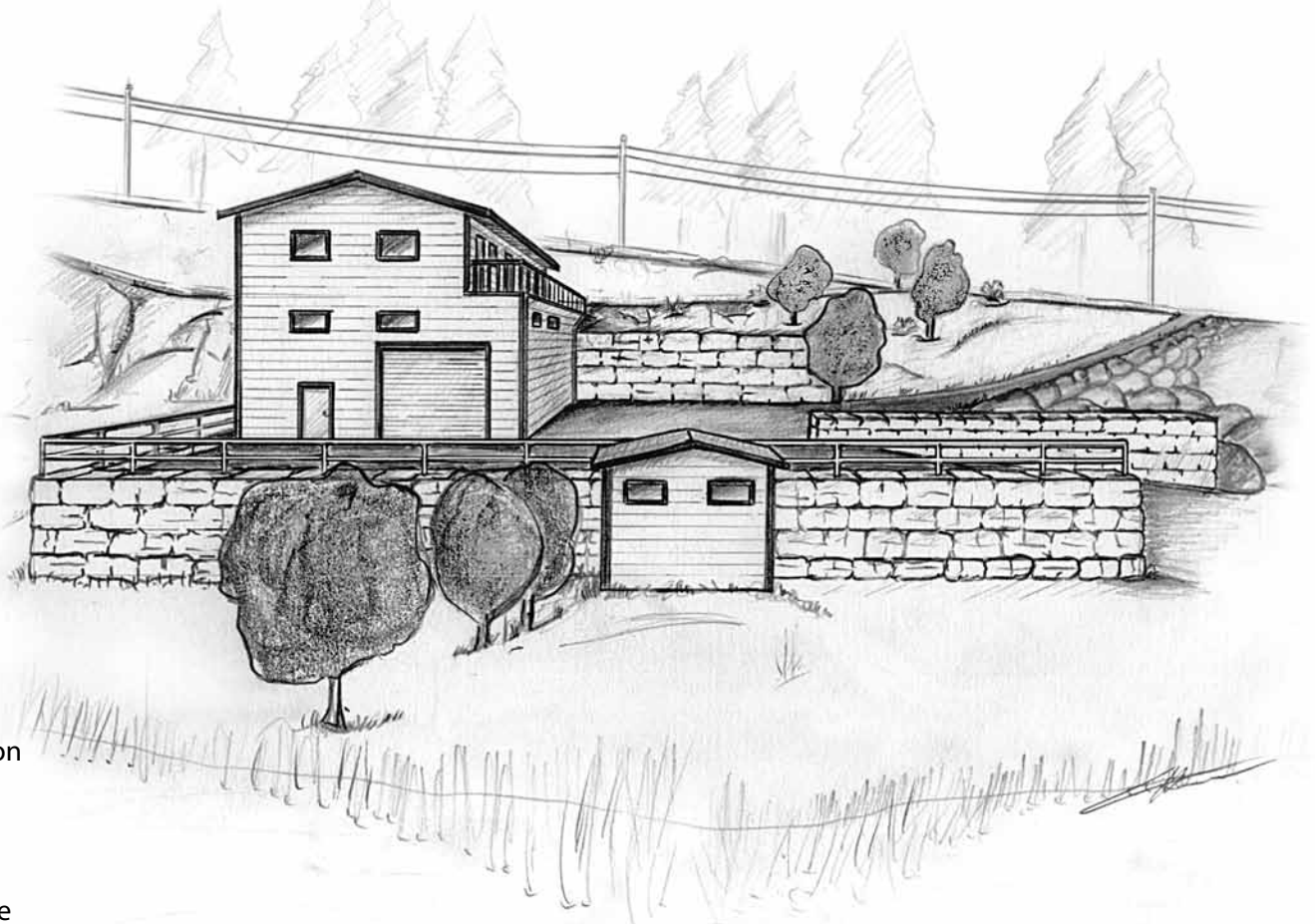
Introducing the Preliminary Design for the St. Mary DAF Plant

By Ron Stepaniuk, District Manager North Salt Spring Waterworks District

In 2013 the North Salt Spring Water District Board of Trustees commissioned Kerr Wood Leidal Consulting Engineers to prepare the preliminary design for a Dissolved Air Flootation (DAF) Water Treatment Plant at St. Mary Lake. The preliminary design is now complete.

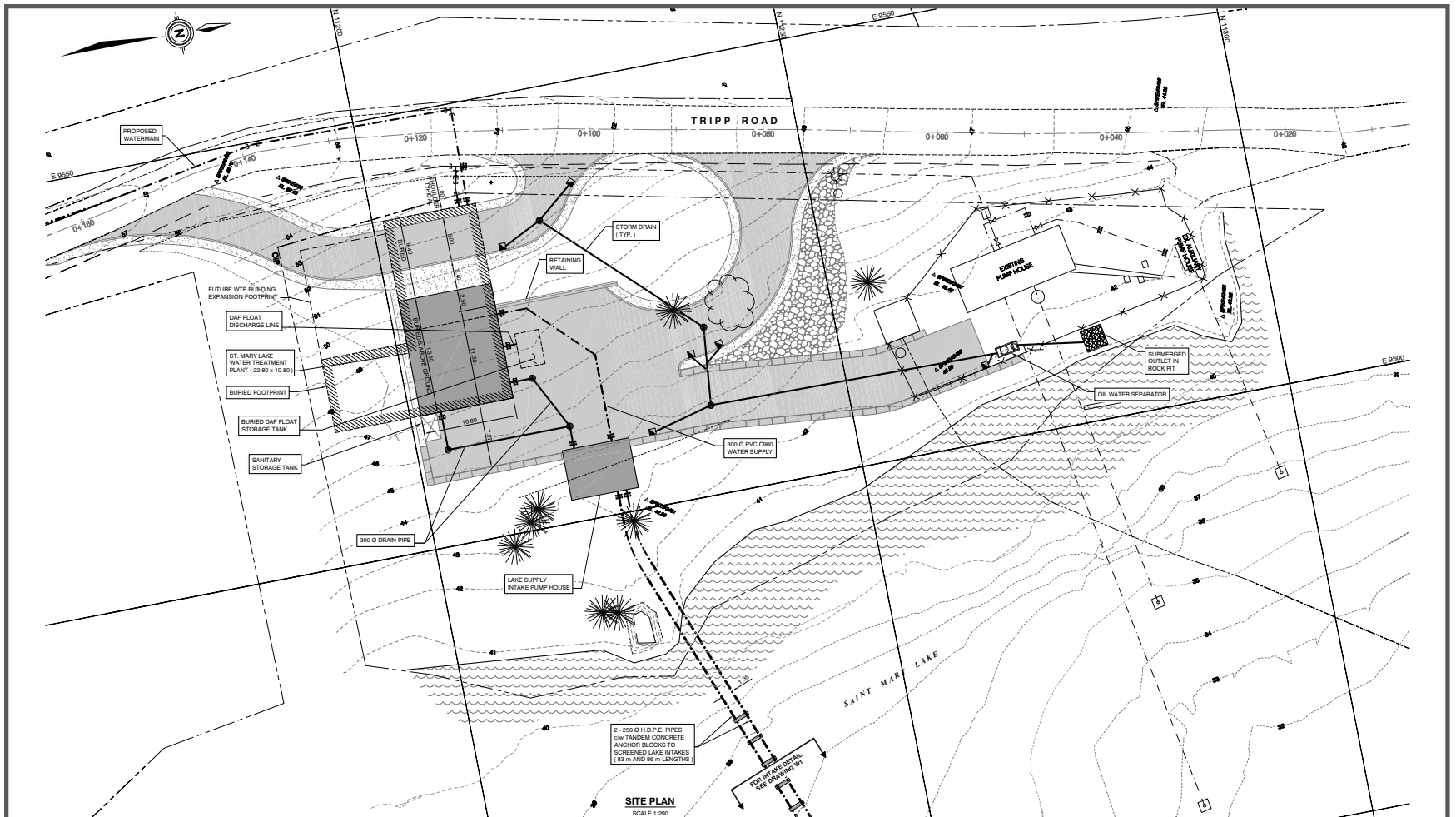
As shown in the illustrations, the new treatment facility will consist of two structures: a primary building, and a "wet-well" housing the raw water pumps and intake pipes situated near the shoreline. The main floor of the primary building will house two (2) DAF Units and all the ancillary equipment such as pumps, pipes and electrical equipment. A small office, lab and bathroom will be located on the upper floor. The finished water will be stored in a clearwell under the building and pumped to the distribution system. Process waste will be stored in tanks for recycling or disposal.

The building will be constructed of poured-in-place concrete and have a footprint of approximately 2,500 square feet. The exterior will be clad with hardie-board siding and have windows so the building will somewhat resemble a



residential home. Site landscaping will be suitable to re-establish any disrupted soil and trees to provide shade and generally

beautify the facilities. The new facility will be located on the site of the current St. Mary Treatment Plant.



Frequently Asked Questions

Q. Is the Detailed Design done yet?

A. No. The Preliminary Design is complete. The Detailed Design is expected to cost between \$800K and \$1 million and take about 8 months to complete. Therefore, it will not be commissioned until Borrowing Bylaw 264 is approved. We are having a Scope of Work prepared for the Detailed Design as we move through the approval process in order to be ready to proceed upon approval. There is no cost for the Scope of Work.

Q. What will be the cost of the water treatment plant project?

A. The preliminary design estimates for the cost of construction are \$10-11 million dollars, including commissioning.

Q. Will you use the current reserve funds to help pay for the project?

A. Yes. We expect to use at least \$500k towards the cost of the Detail Design. We will try to use our current reserves as much as possible to offset borrowing costs, while still retaining a prudent amount in reserve for emergencies and other capital projects.

Q. Who is going to build the plant?

A. A number of select contractors with experience building water treatment plants will be invited to bid on the contract. The successful bidder will act as the Prime Contractor and sub-contract out specialised segments of the construction.

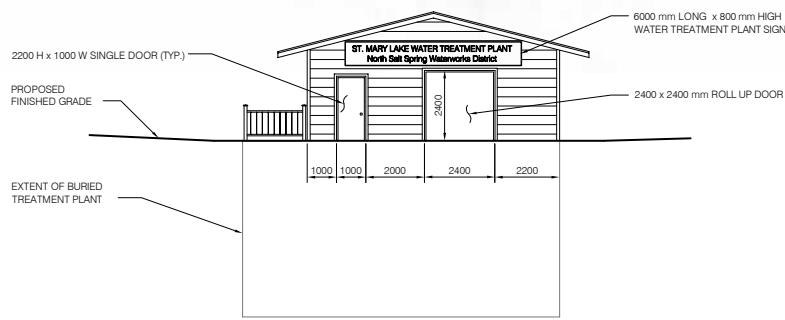
Q. How much are our rates going to increase per customer?

A. We do not plan to raise our water toll or parcel tax rates to cover the cost of borrowing. Instead we will implement a fixed surcharge. As the interest rate cannot be fixed until the time of borrowing, which we expect to be January 2, 2015, we are working with a number between \$350-\$400 annually per customer/ratepayer. Money raised through our upcoming donor campaign will lower the amount we need to borrow, thus lowering the surcharge. Tolls and parcel tax revenue will continue to cover normal operating costs and other infrastructure/capital costs. Toll and Parcel Tax rates will be determined each year, as they are now, in order to cover annual operating costs.

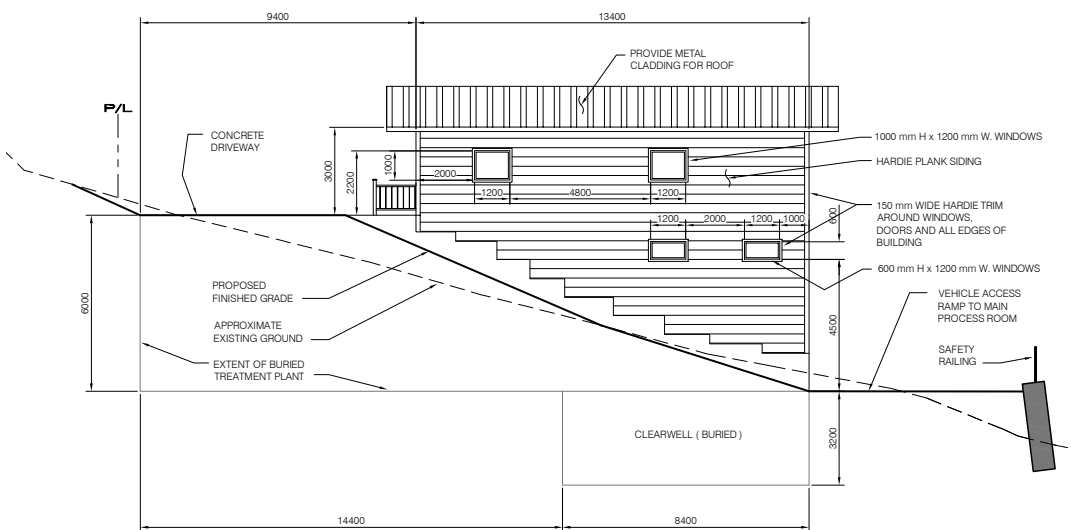
Q. Why won't the Provincial government help with grant money like some other districts on the island?

A. The Provincial Governments' policy is that to be eligible for a grant, NSSWD would have to convert to a service area of the Capital Regional District or the island would need to incorporate as a Municipal Government. We are continuing to lobby the government for financial assistance or an exemption from this policy.

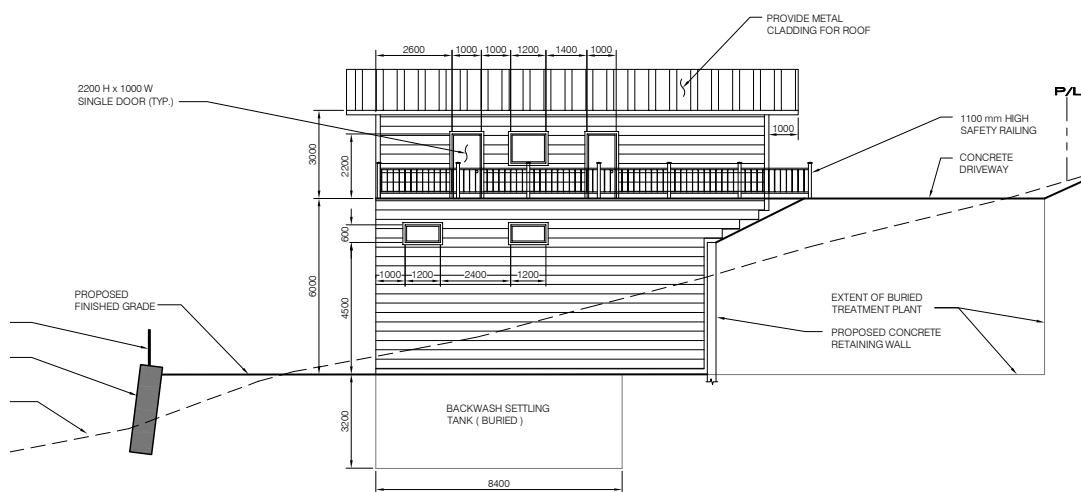
Please visit our website at www.northsaltspringwaterworks.ca for more information about the District and this project.



WEST ELEVATION
SCALE 1:100



SOUTH ELEVATION
SCALE 1:100



NORTH ELEVATION
SCALE 1:100

Ratepayers Are Invited to View the Plans

The Annual General Meeting (AGM) of the District's ratepayers will be held on

**Tuesday, April 15th from 7-9 pm at the
Community Gospel Chapel on Vesuvius Bay Road.**

From 5:00 -7:00 p.m., before the AGM, ratepayers are invited to an **Open House** to view the plans up close and speak with Trustees, staff and a representative from the engineering design firm, Kerr Wood Leidal.

**A short presentation on the design will take place
at the Open House beginning at 6:00 p.m.**

Come early, view the plans, watch the presentation and ask questions, and register to vote in the Trustee election at the AGM.