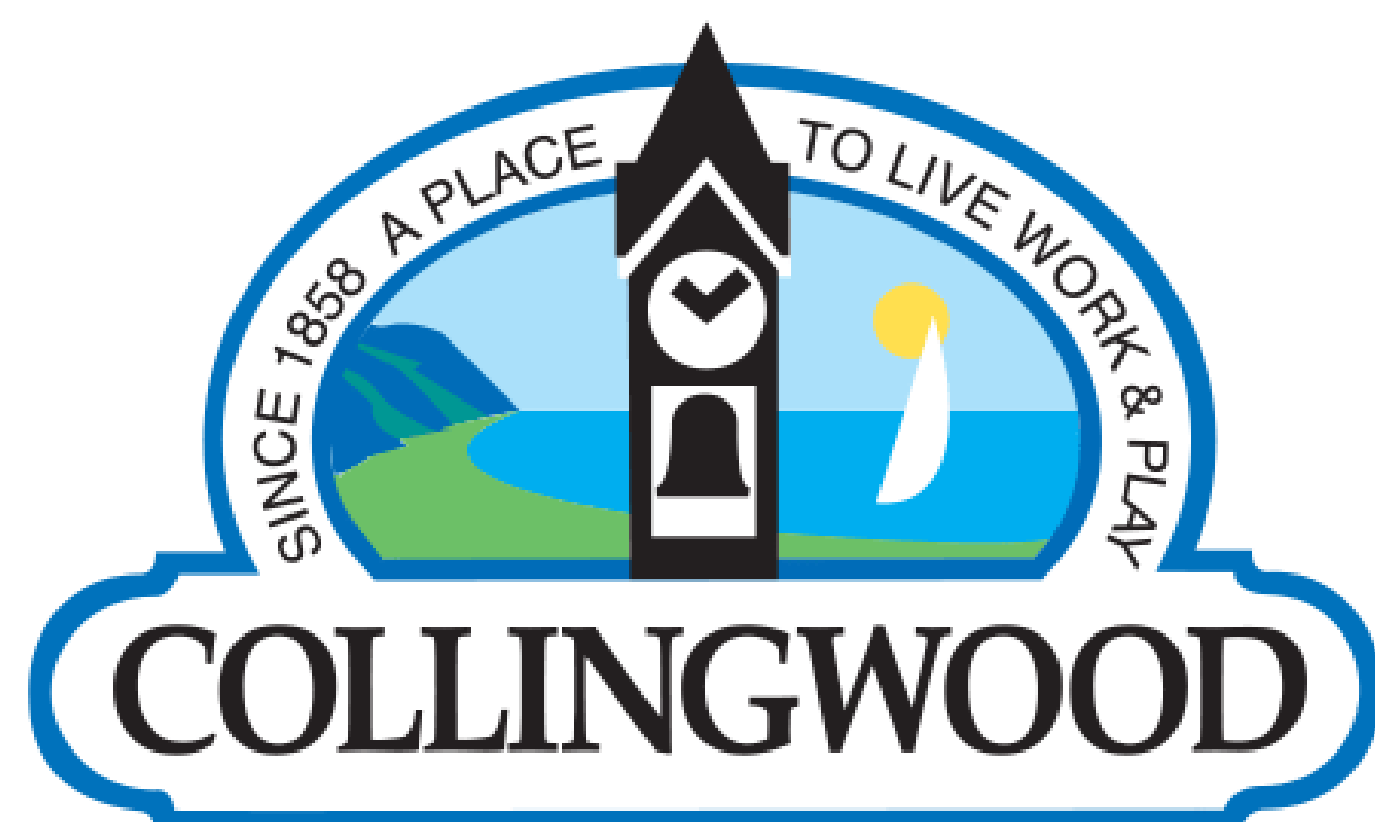


Welcome

Raymond A. Barker Water Treatment Plant (WTP) Expansion

Public Information Centre (PIC)

Wednesday, October 26, 2022



Land Acknowledgement



We want to acknowledge the **Traditional Territory of the Anishinabek Nation:** The People of the Three Fires known as Ojibway, Odawa, and Pottawatomie Nations.

We further give thanks to the **Chippewas of Saugeen**, and the **Chippewas of Nawash**, now known as the **Saugeen Ojibway Nation**, as the traditional keepers of this land.

Objectives of the PIC



- Present information on the project history.
- Present design features of the Raymond A. Barker WTP Expansion project.
- Provide the next steps in the planning process.

Project History



- **December 2019**

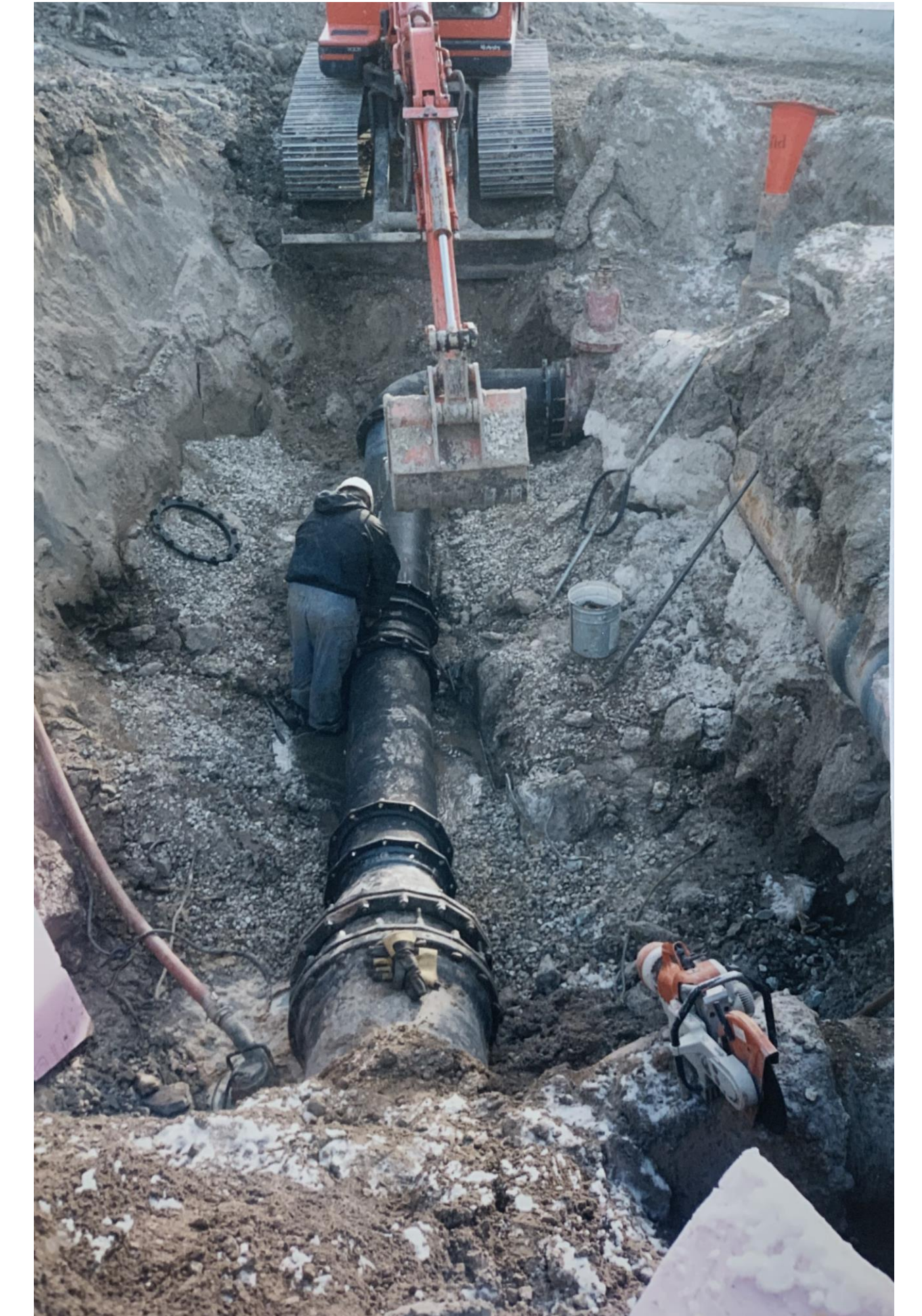
The Master Servicing Plan identified the need to ultimately expand the existing WTP to accommodate future water demands of 101 MLD for the Town of Collingwood and its contractual commitments to supply treated water to other municipalities (Town of New Tecumseth, Township of Clearview, and Town of the Blue Mountains).

- **October 2020 & August 2022 (Addendum)**

The Schedule C Class Environmental Assessment concluded the need for:

- Phase 1 Expansion from 31 MLD to 59 MLD and future ultimate expansion to 101 MLD
- A new membrane WTP on the existing site.
- Conversion of the existing membrane plant to an administrative building with multiple other processes.

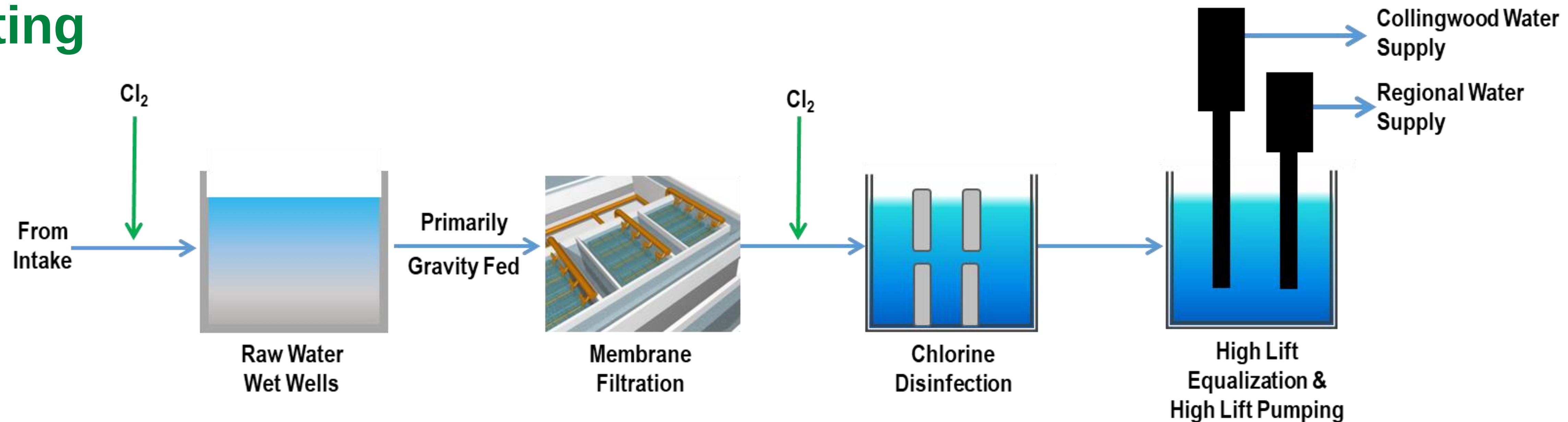
Original Construction



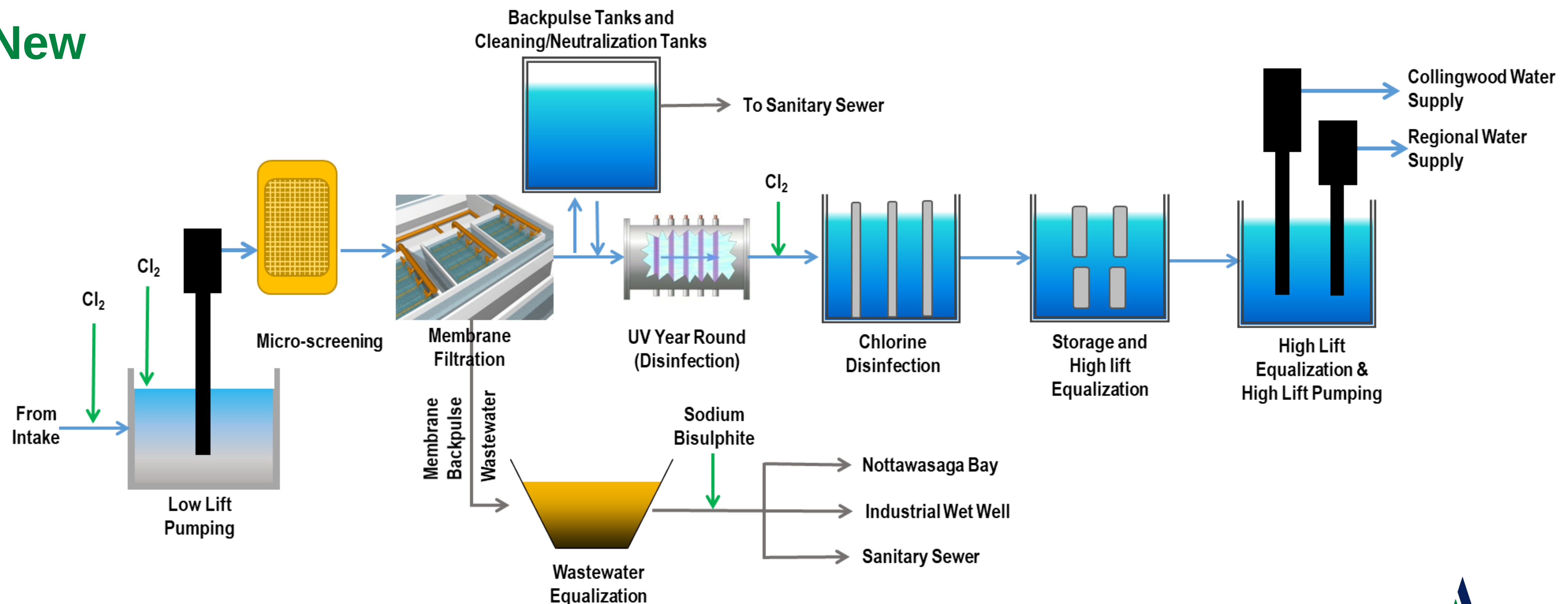
Treatment Process



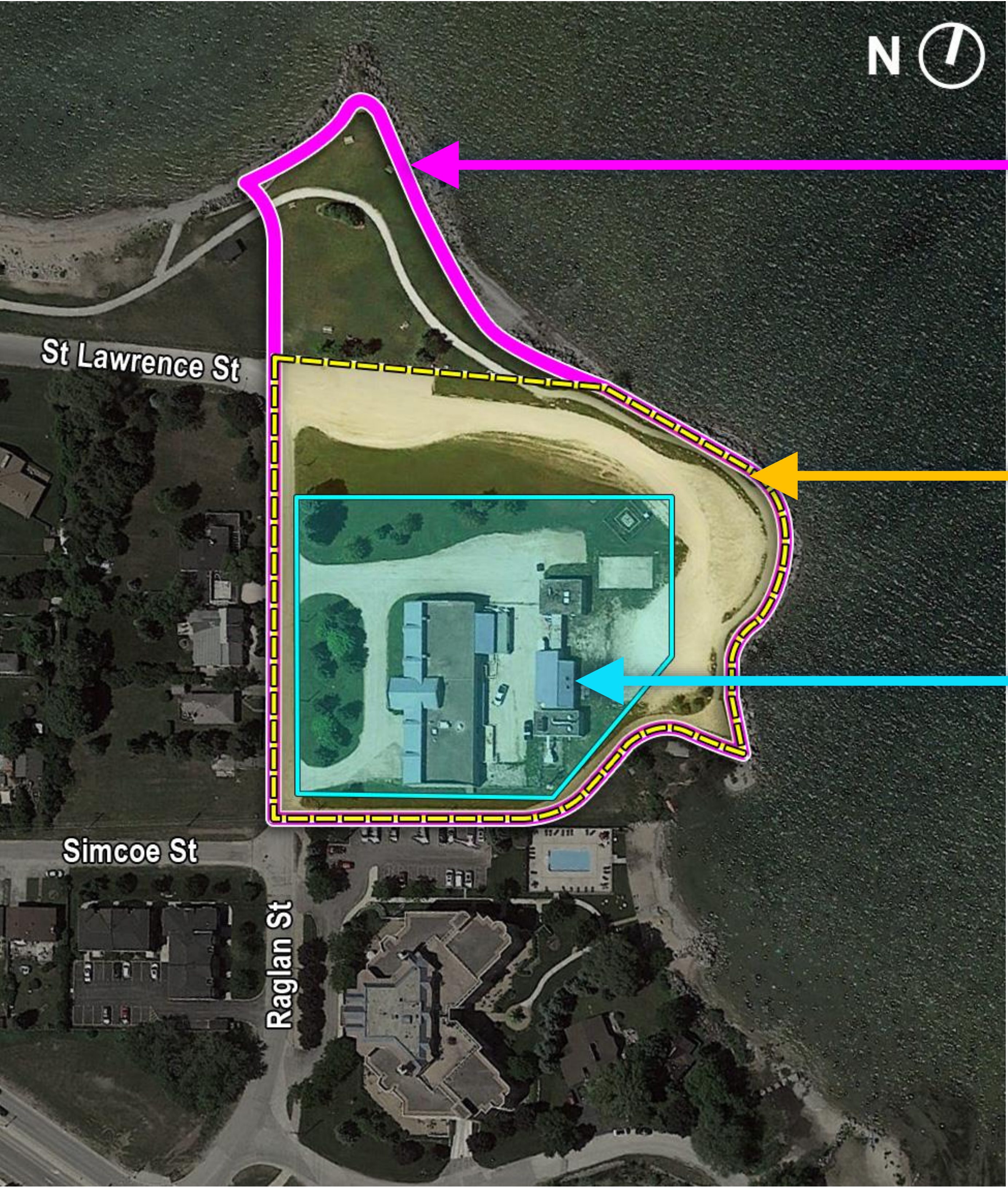
Existing



New



Extent of Project Work



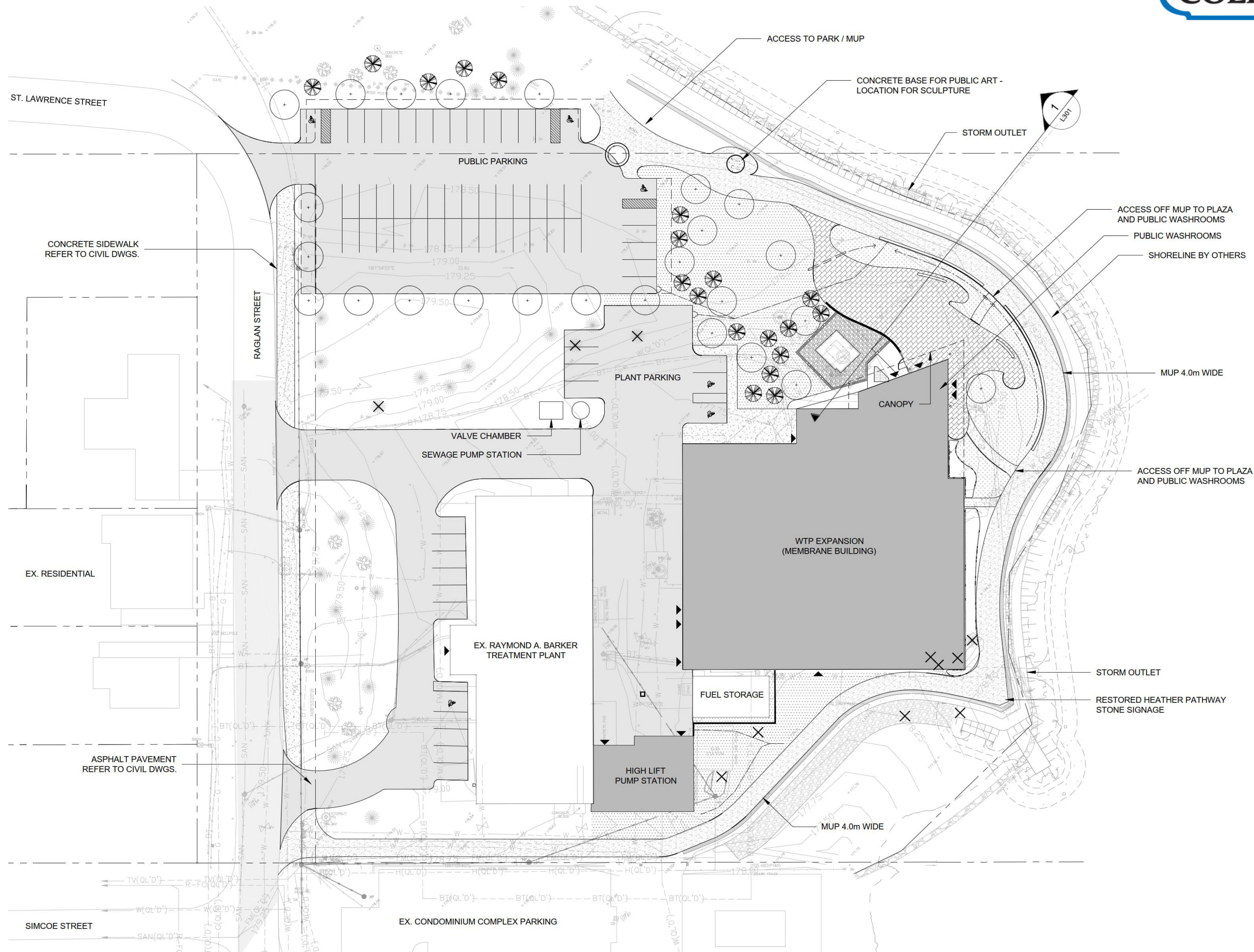
Area to be Closed for Construction, Construction Trailers, and Storage

Extent of Construction

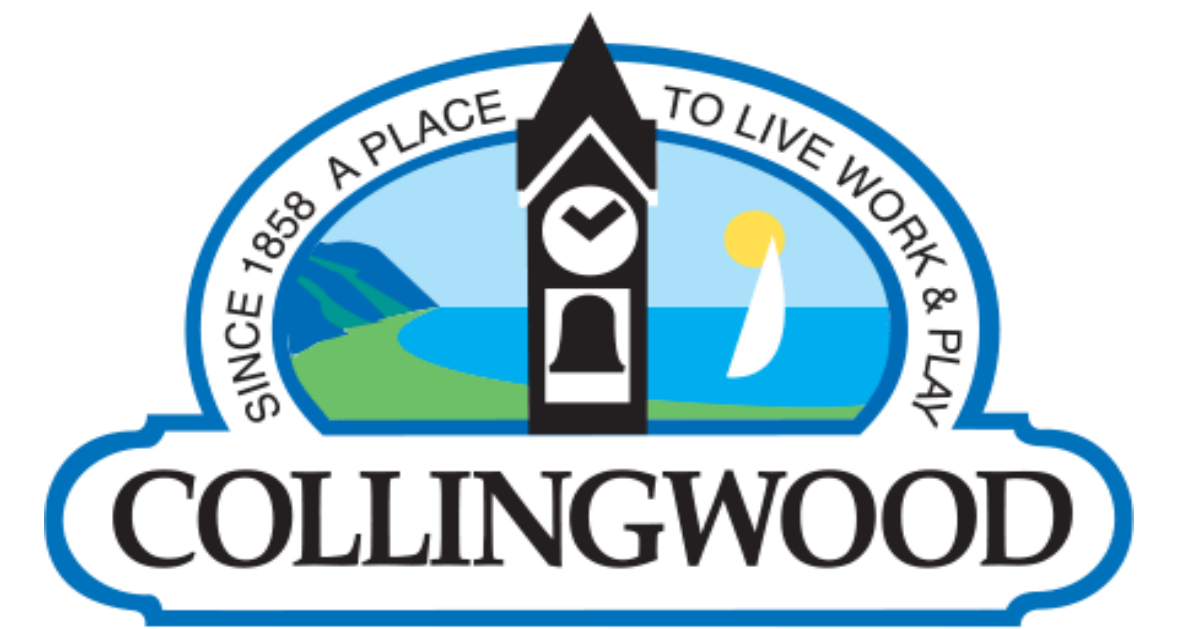
Ex. Raymond A. Barker WTP



Proposed Site Plan



Exterior Rendering No. 1 | NE View Membrane and High Lift Buildings



Exterior Rendering No. 2 | SW View

Membrane and High Lift Buildings



Exterior Rendering No. 3 | NE View

Membrane Building



Exterior Rendering No. 4 | N View Membrane and High Lift Buildings



Exterior Rendering No. 5 | N View Membrane Building



Exterior Rendering No. 6 | S View

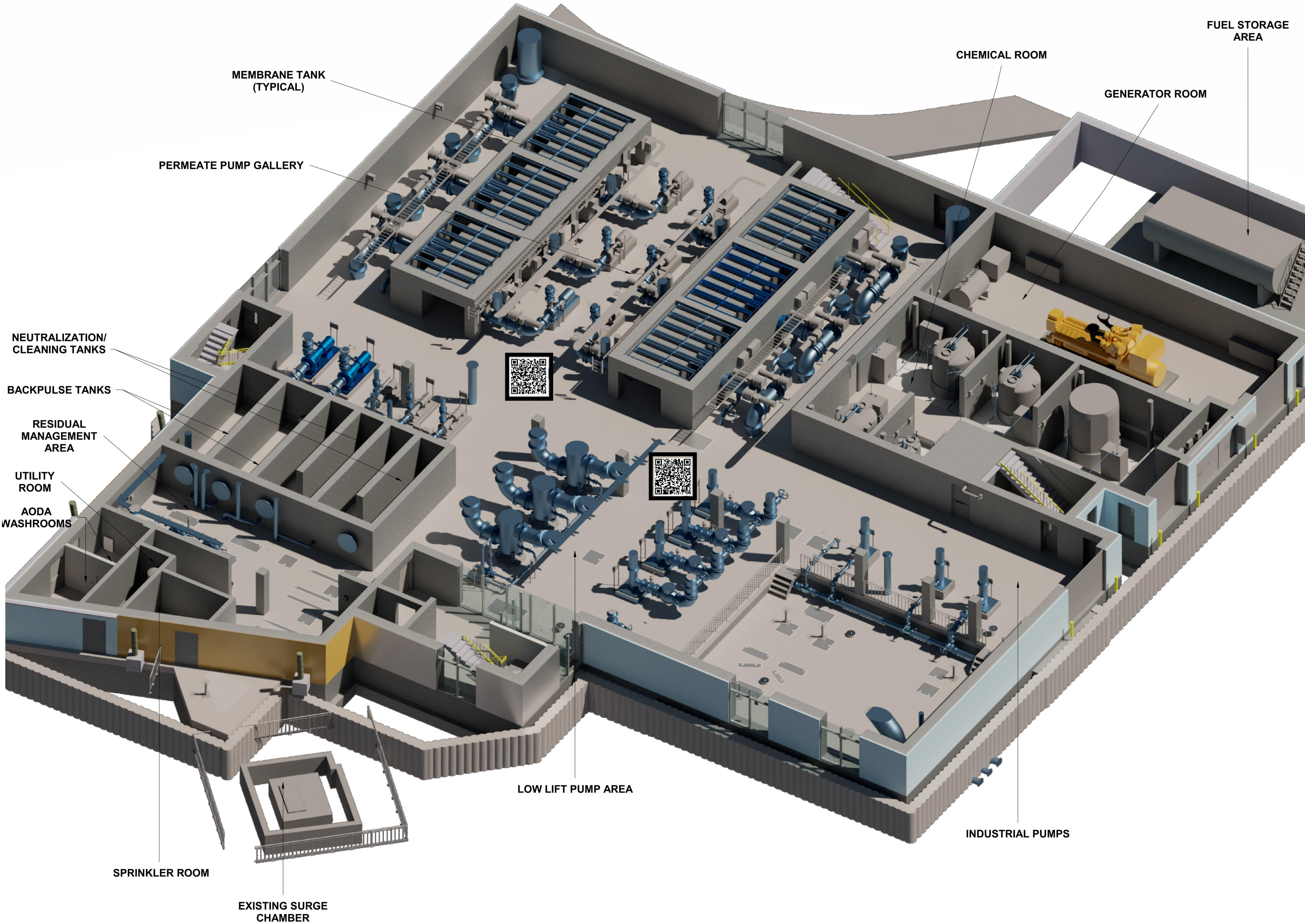
Membrane Building





Interior Rendering No. 1 | NW View

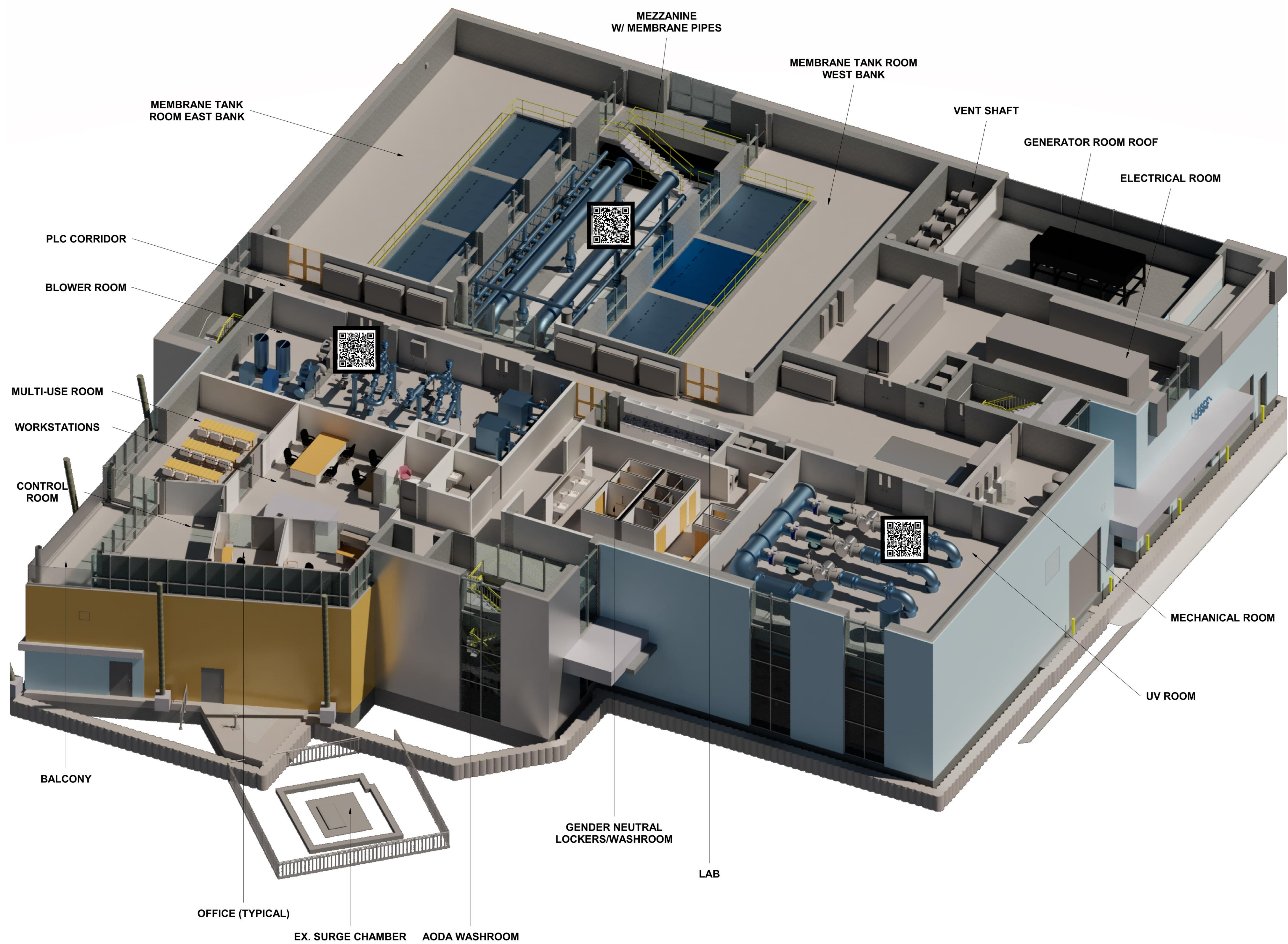
Membrane Building Ground Floor





Interior Rendering No. 2 | NW View

Membrane Building Second Floor

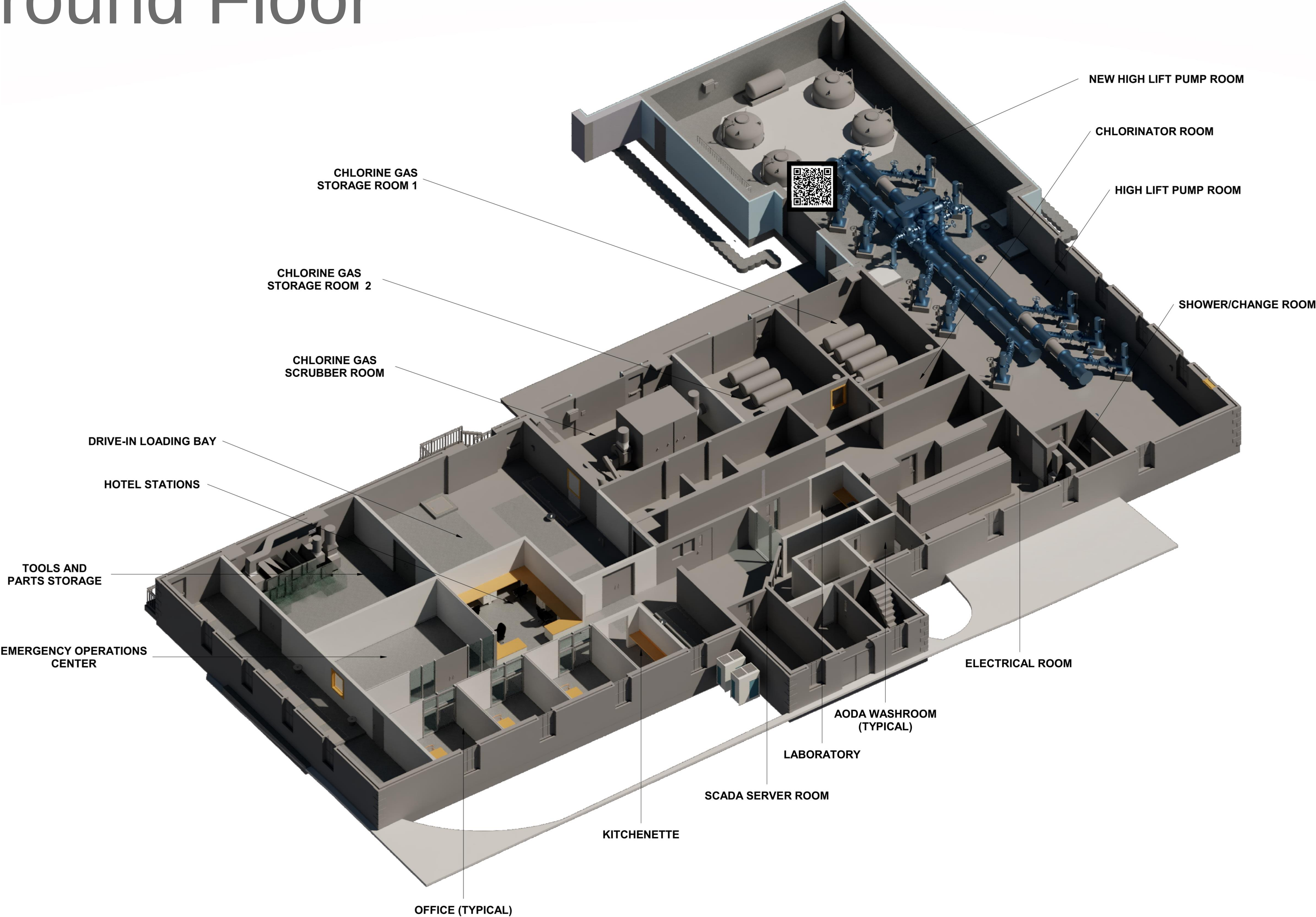




Interior Rendering No. 3 | NW View

High Lift Buildings

Ground Floor



First Nation Artists



Emily Kewageshi

Giizhig Studio

<https://www.emily-kewageshig.com/>



Solomon King

Stone Artisan Studios

https://stoneartisanstudios.com/our_people.html



Schedule



Milestone	Completion
Master Servicing Plan	December 2019
Environmental Study Report	October 2020
Environmental Study Report Addendum	August 2022
Contract 1: Temporary UV Installation	Spring 2023
Contract 2: Final Agency Approvals	Spring 2023
End of Interim Control By-Law Restrictions	Summer 2023
Contract 2: New Membrane Plant Design	Summer 2023
Contract 2: Start of Construction	Fall 2023
Availability of Additional Water Supply	Summer 2026
End of Construction	Fall 2028

Budget Update



- Several changes to the scope were identified during the design process based on development pressures, updates to system hydraulics, stakeholder input, and increased concern about the impacts of severe weather events.
- Additional scope costs and significant inflation due to the global pandemic and supply chain disruptions have significantly increased the original opinion of cost.
- Staff Report PW2022-06 with an updated opinion of cost of \$121M for Phase 1 was approved by Council on March 21, 2022.
- Funding for Phase 1 will be provided through the Town's Allocated Water Reserve Fund (funded through water rates), Development Charges, and the establishment of Water Agreements with the customer municipalities.

Next Steps



- The QR code provides a link to the Engage Collingwood webpage where the following is available:
 - A downloadable copy of the PIC material.
 - Online comment forms.
- Paper copies of the PIC material and comment form are available at the entrance.
- All comments are to be submitted by **Friday, November 25, 2022.**
- Questions can be directed to either of the following members of the Project Team.



Ken Kaden, P. Eng.
Project Engineer, Environmental Services
Town of Collingwood
Tel: (705) 445-1581
kkaden@collingwood.ca

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Project Director
Ainley Group
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Thank You!

Thank you for visiting the Public Information Centre.
We appreciate your participation.

