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MORRISON HERSHFIELD

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Stantec

Cowichan Valley Regional District – Modernization of Bings Creek Recycling Centre

CVRD Committee of the
Whole Presentation
October 30, 2024



Project Background / Scope

- Funding includes \$6M contribution from the Union of BC Municipalities (UBCM) Strategic Priorities Fund (SPF)
- New transfer building to accept organic waste
- Replacement of existing transfer building roof
- Expansion of existing household hazardous waste (HHW) building
- Site improvements to improve environmental protection and safety





Project Schedule

Planning Stage

Design Stage

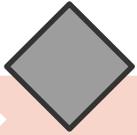
Construction Stage

2024

2025

2026

Award of
Engineering
Services
Contract
January 2024



Jan. – Mar.
2024
Topographic
Survey and
Geotechnical
Investigation

Complete
30% Design
and Design
Brief
June 2024



October 2024
Complete 50%
Design

Submit Development
Permit Application,
including supporting
studies
October 2024



March 2025
Complete
90% Design

Submit
Building
Permit
Application
March 2025



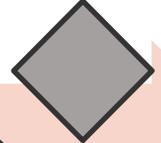
August
2025
Project
Issued for
Tender

Construction
Contract
Award
December
2025



November
2026
Construction
Substantial
Completion

Facility Open
December
2026





Work Completed to Date

- Detailed Design – Conceptual, 30%, 50% stages
- Development Permit application, supporting studies including:
 - Aquifer Protection Plan
 - Environmental Review
 - Greenhouse Gas, Water, and Energy Conservation
 - Wildfire Hazard Assessment
 - Aquifer Vulnerability Assessment
 - Drainage Study





Work Completed to Date (continued)

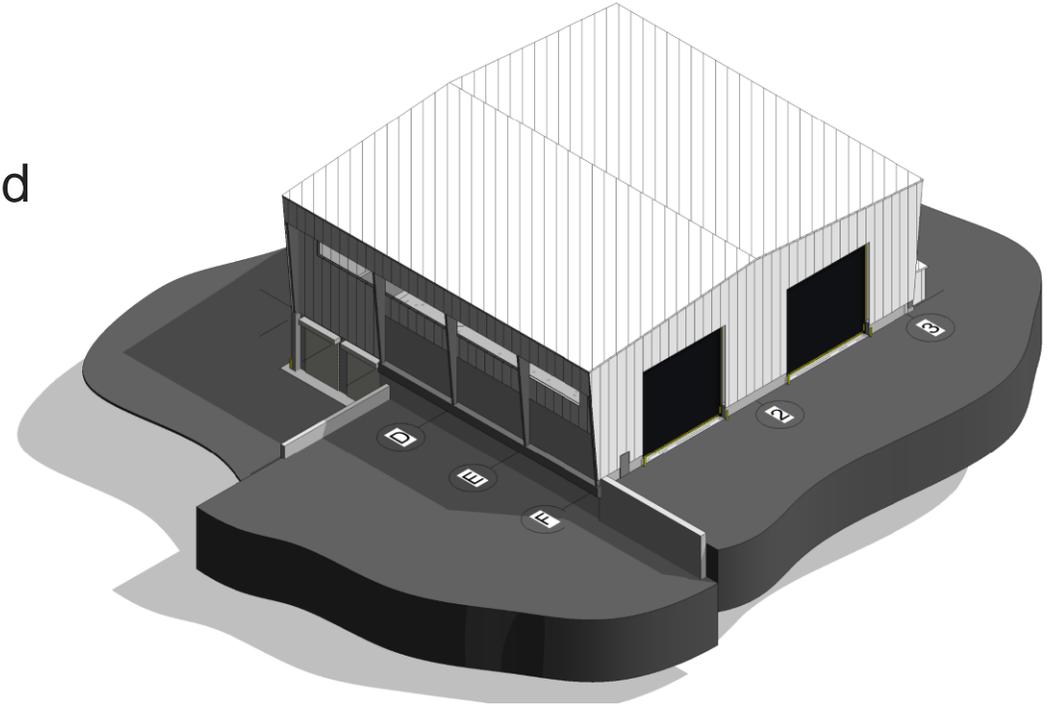
- Geotechnical investigation and site surveys
- Class D capital cost estimate
- Engagement with Indigenous Liaison and Indigenous stakeholders
- Design brief and specifications





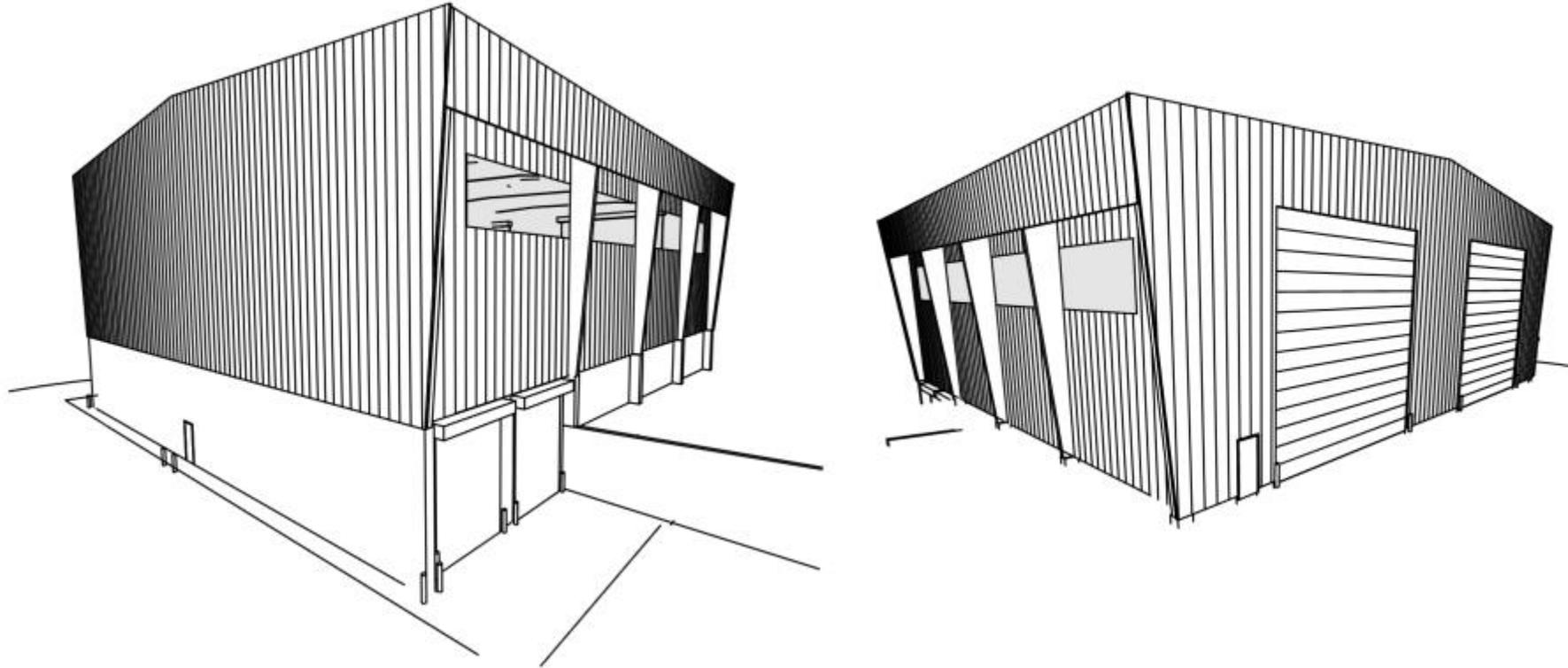
Proposed Organics Transfer Building

- 34 m x 34 m pre-engineered clear span steel structure
- 900 sq. m (9,700 sq. ft) tipping floor area
- 5 m grade separation between tipping floor and loadout bays
- Concrete tipping floor, push walls
- Electrical and mechanical systems
- Leachate collection and storage





Proposed Organics Transfer Building



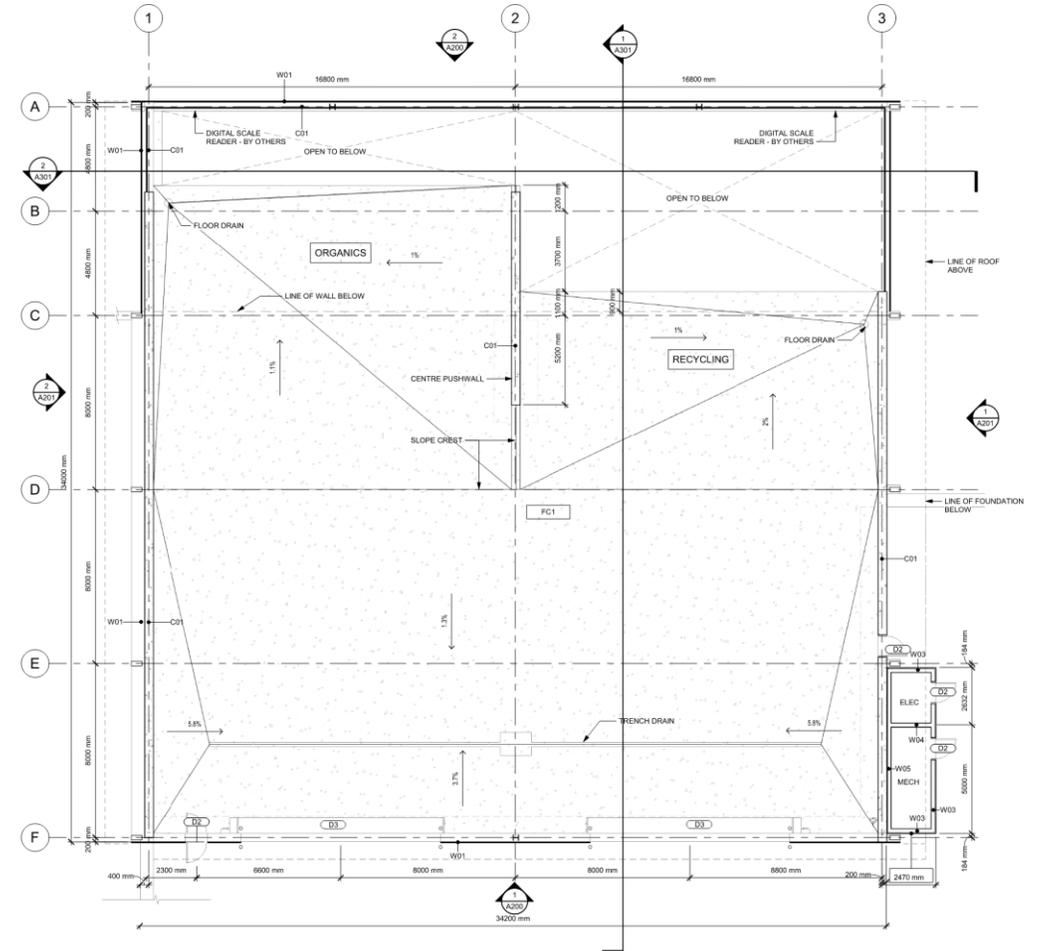
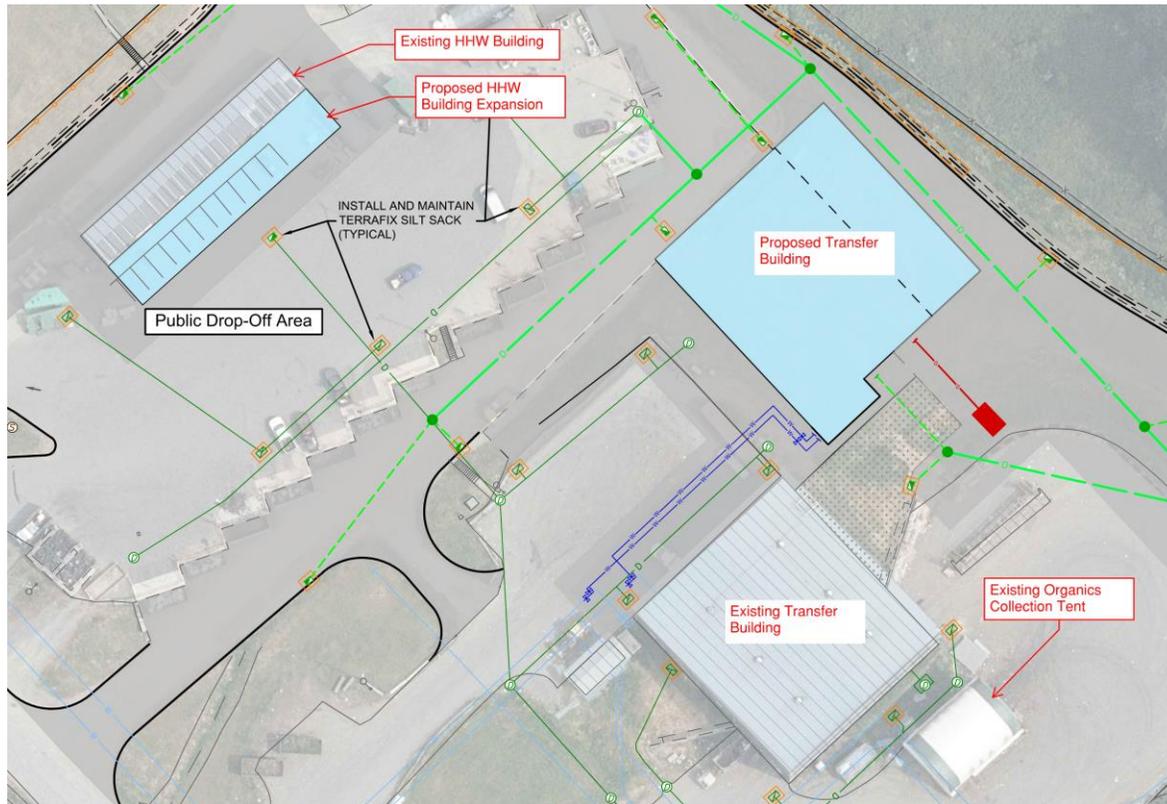


HHW Building
Expansion

New 34m x 34 m
transfer building



Proposed Organics Transfer Building



Proposed Organics Transfer Building

- Example of similar transfer station (Regional District of Nanaimo)





Proposed HHW Building Expansion

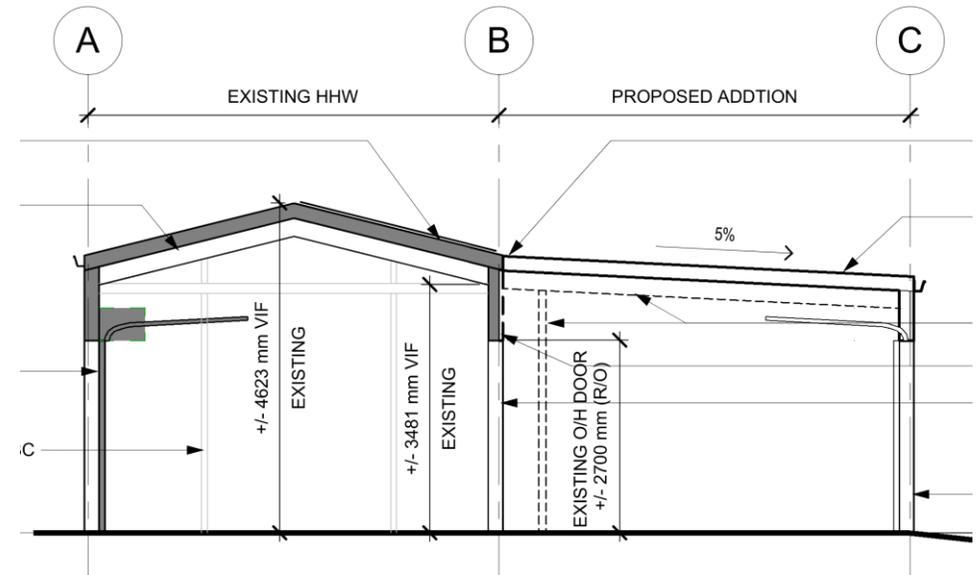
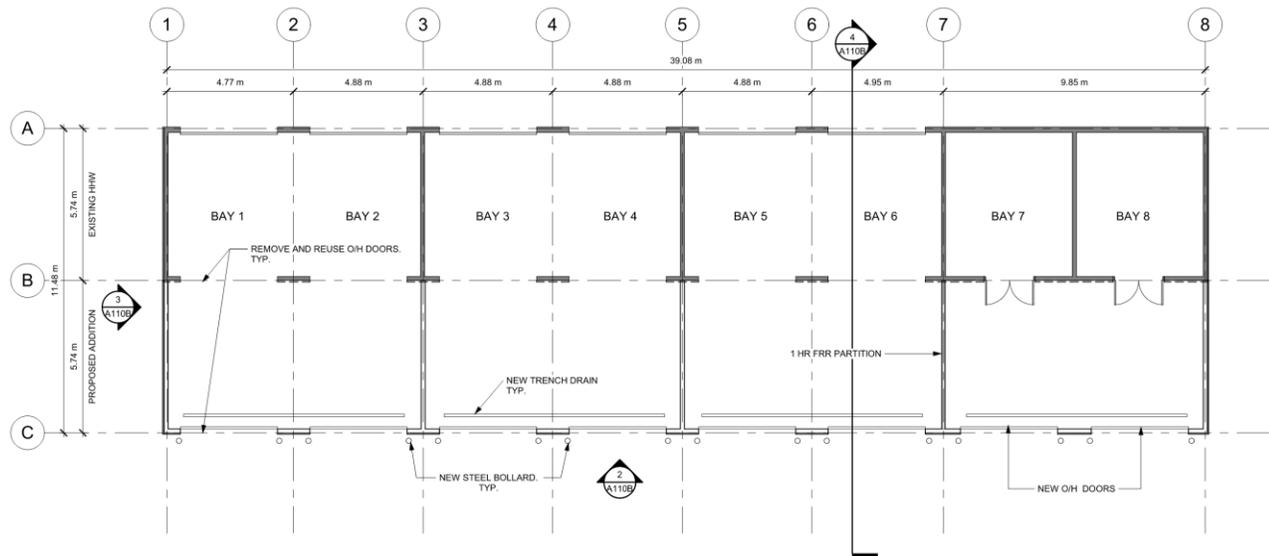
- Increase capacity to accept and divert additional recyclable materials
- Multiple expansion options considered





Proposed HHW Building Expansion

- Increase capacity to accept and divert additional recyclable materials
- Multiple expansion options considered



Site Improvements

- Stormwater management upgrades
- Review and upgrades to fire water supply system
- New service roads and paving existing service roads
- Landscaping and site lighting



Design Considerations

- Additional effort to address ageing or undersized infrastructure:
 - Onsite water capacity
 - fire water supply system
 - Leachate storage and treatment
- Curbside truck wash station



Next Steps

- Prepare 90% design and specifications
- Update construction costs estimates
- Submit Building Permit application
- Prepare tender documents and issue project for tender (procure construction contractor)
- Construction stage
- Project closeout





Thank you, questions?

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