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MORRISON HERSHFIELD

now  **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**

Complete  
30% Design  
and Design  
Brief  
**June 2024**

Submit Development  
Permit Application,  
including supporting  
studies  
**October 2024**

Submit  
Building  
Permit  
Application  
**March 2025**

Construction  
Contract  
Award  
**December  
2025**

Facility Open  
**December  
2026**

**Jan. – Mar.  
2024**  
Topographic  
Survey and  
Geotechnical  
Investigation

**October 2024**  
Complete 50%  
Design

**March 2025**  
Complete  
90% Design

**August  
2025**  
Project  
Issued for  
Tender

**November  
2026**  
Construction  
Substantial  
Completion

# 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



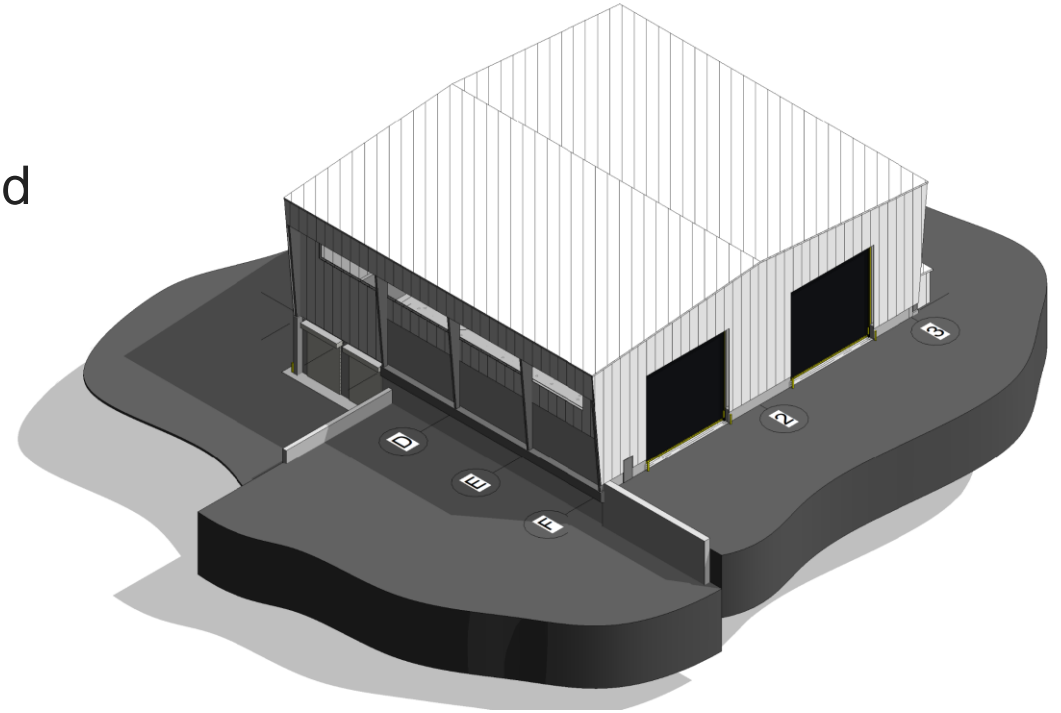
# Work Completed to Date (continued)

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



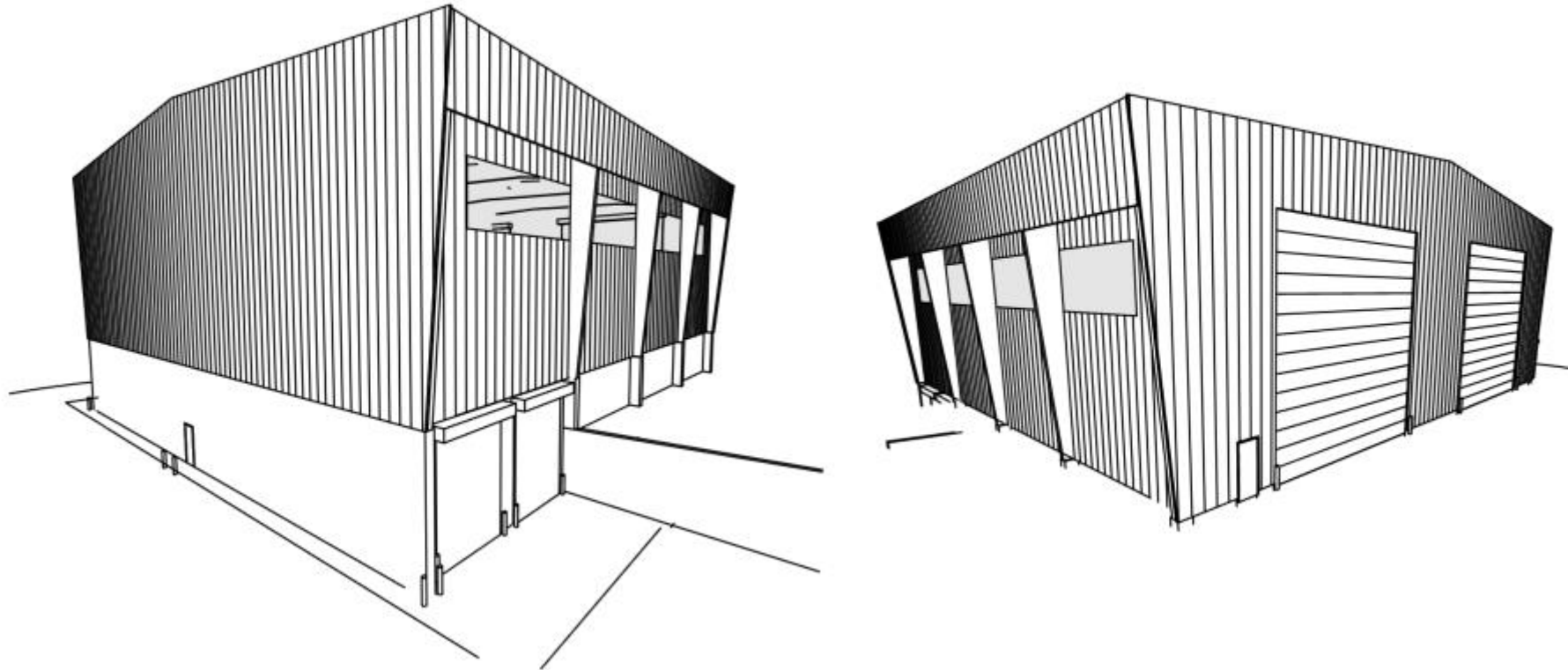
# Proposed Organics Transfer Building

- 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





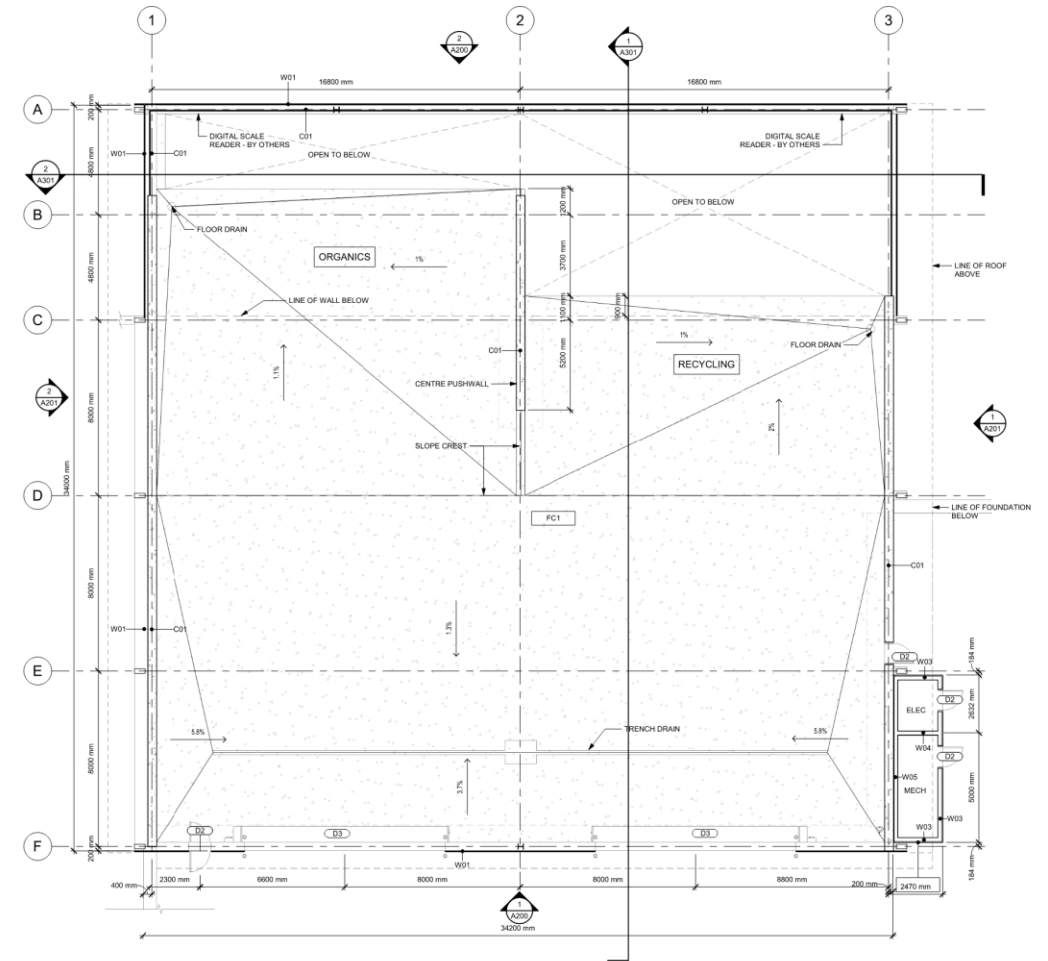
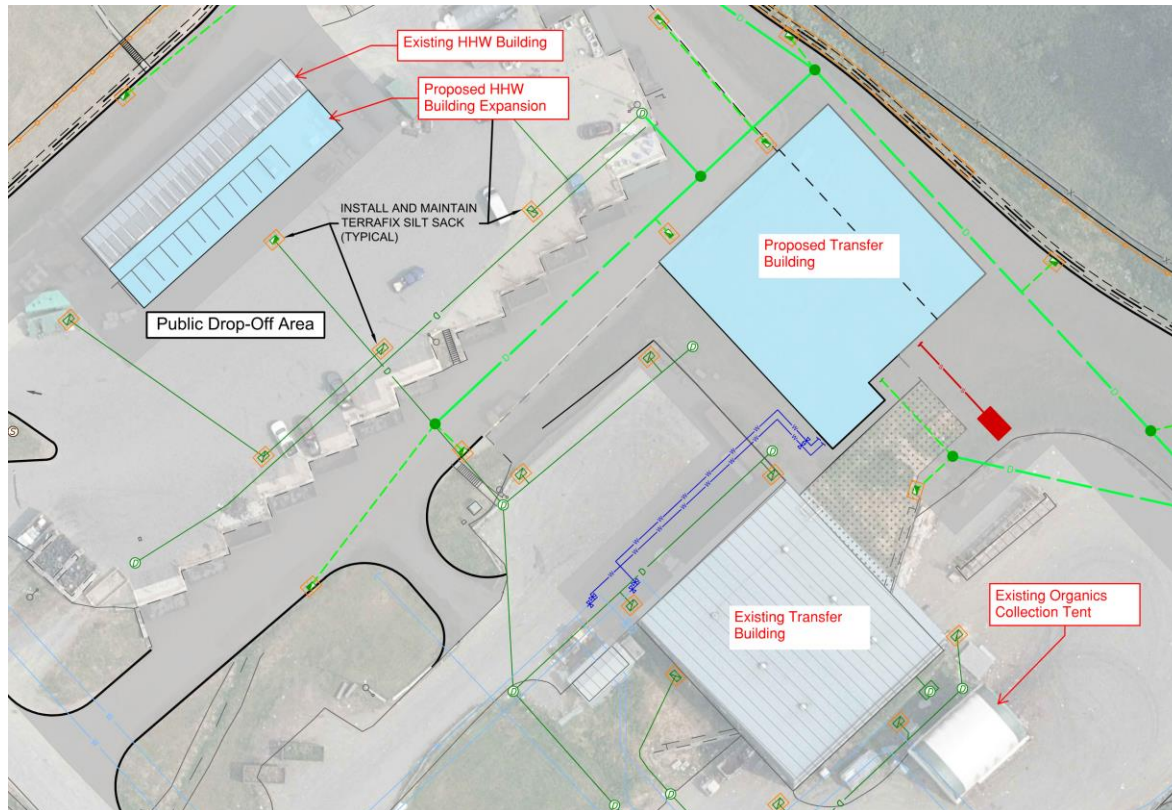


HHW Building  
Expansion

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

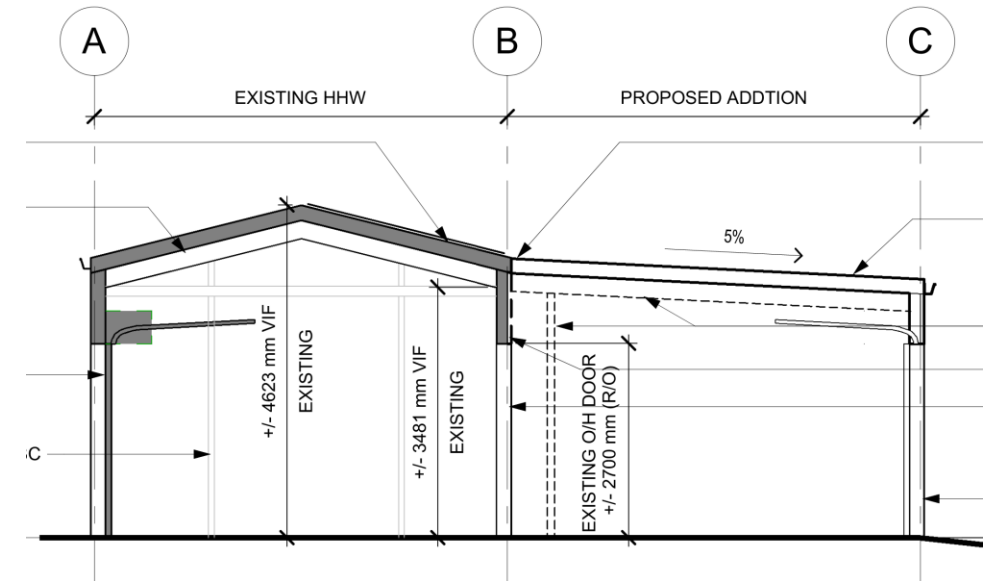
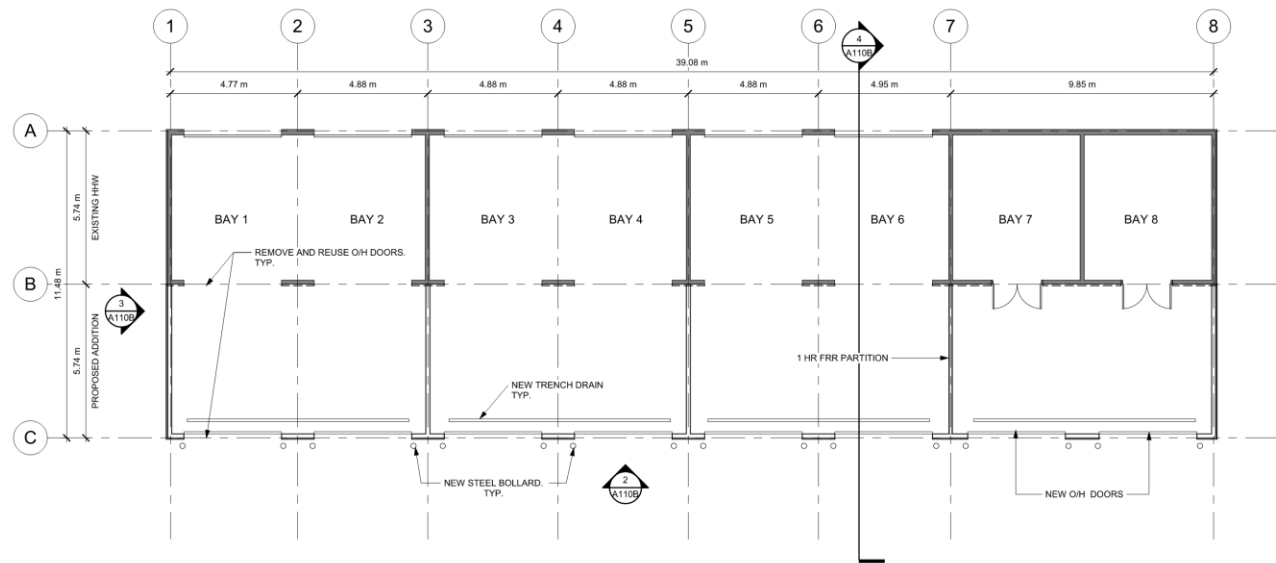
- Increase capacity to accept and divert additional recyclable materials
- Multiple expansion options considered





# 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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