

Columbia Container Ltd. VFPA Projects Vancouver

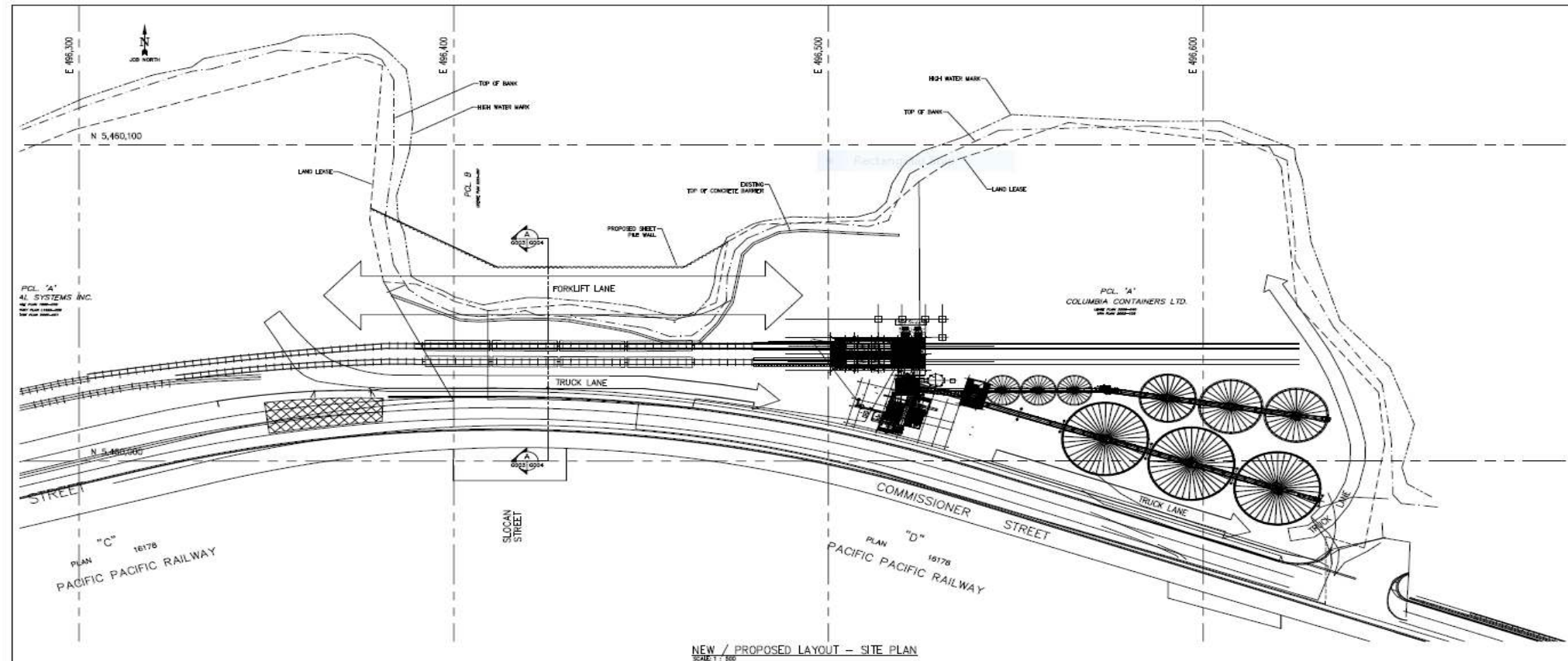


August 2017

Columbia Containers Ltd. Projects

- 2 Storey Office Building - completed
- Bight Infill – DFO Consultations
- Grain Transload Facility – In Construction

Project Site Plan



WORK IN PROGRESS
DRAWING
INCOMPLETE

PRELIMINARY
NOT FOR
CONSTRUCTION

					DISTRIBUTION	COPIES	DATE
					CLIENT		
					PROJ. MGR.		
					FIELD		
					E-MAIL		
C	RS	7/26/2015	ISSUED FOR PAY REVIEW		PURCHASING		
B	RS	7/26/2015	RE-BIDDED FOR REVIEW		ENGINEERING		
A	RS	12/28/2016	ISSUED FOR REVIEW - PRELIMINARY NOT FOR CONSTRUCTION				
A	MS	N/A	NO REVIEW REQUIRED	100 mm x 100 mm			

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<p>FROM</p> <p>CONTAINER LOADING & STORAGE SITE PLAN NEW / PROPOSED LAYOUT</p>	<p>GROUP NO</p> <p>85</p> <p>DATE</p> <p>OCTOBER 2015</p>
<p>TO</p> <p>COLUMBIA CONTAINERS</p>	<p>DATE</p> <p>AS NOTED</p> <p>JOB NO</p> <p>46-15-0047</p>
<p>LOCATION</p> <p>VANCOUVER, BC</p>	<p>SET NO</p> <p>G003</p>

FVS

THIS GROUP OF COMPANIES
275 Commerce Drive
Winthrop, MA 01891
TEL. 204-487-2500
FAX. 204-487-2900

Construction Activity



Figure 3 - Installation of Reclaim Tunnel Module 04, 05 formworks - June 17 & 19, 2017.



Figure 4 - Installation of rebar for the Reclaim Tunnel Slab Module 04 - June 20 & 21, 2017.



Figure 10 - Concrete Pour of the Reclaim Tunnel Module 04 - June 22, 2017.



Figure 5 - Installation of Loading Tower Foundation Pedestals - June 20 & 21, 2017



Figure 12 - Formwork Installation for Reclaim Tunnel Module 05 & 06 - June 26 - 30, 2017

BP Amendment Submission – June 16 2017



Phone: 604-254-9461 Fax: 604-254-4482
www.columbiacontainers.com

June 16, 2017

Vancouver Fraser Port Authority

Attention: Gord Tycho

Re: CCL Transloading Facility Permit 13-123 - Rail Car Receiving Shed Revision - Staff Rooms

Project Overview

Columbia Containers Limited (CCL) wishes to amend its new Transloading Facility rail car receiving building to include for employee support rooms on a second floor. These spaces will include first aid, men's and women's locker rooms, lunch room, and an office.

Objectives

Employee support spaces are required for the new Transloading facilities. The current support spaces such as first aid, lunch room, and change rooms, are housed in modular offices located along the south lease line. These modular offices are planned to be removed upon completion of the new Transloading facility. CCLs plan was to construct a new free standing facility on grade on the north side of the new plant to replace these support spaces.

Constructing a new facility to the North have logistics and safety concerns not previously considered. These concerns are:

- The shortest path of travel from the main plant is across two sets of active rail tracks.
- A bridge path over the tracks was included in the Transloading design however it's believed that the shortest path will be used.
- A location for a free standing building was problematic for the limited space of stacking containers in this area of the yard.
- Path ways to and from a new building also used up valuable space.

The proposed location, on top of the rail car receiving shed, is a significantly smaller area but solves all of the concerns listed above. The new location will better serve the employee, be significantly safer and free up valuable yard space.

2775 Commissioner Street, Vancouver BC V5K 1A1



Phone: 604-254-9461 Fax: 604-254-4482
www.columbiacontainers.com

June 16, 2017

Vancouver Fraser Port Authority

Attention: Gord Tycho

Re: CCL Transloading Facility Permit 13-123 - Rail Car Receiving Shed Revision - Winch Shelter

Project Overview

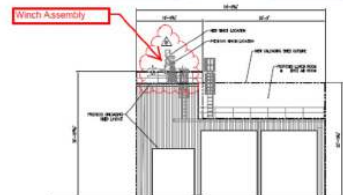
Columbia Containers Limited (CCL) wishes to amend its new Transloading Facility rail car receiving building to include a winch shelter on the far north end. The winch cover is required to protect equipment from weather and provide an area for maintenance.

Objectives

The rail car receiving shed also houses a truck and container receiving area at the north end. There are three grain receiving bays in the shed, two for rail cars and one for containers. In the container receiving bay is a heavy wire winch assembly to lift the containers on end to empty its contents in to a receiving hopper. The winch assembly and associated wires is on the roof of the shed and the heavy wires penetrate the roof.

The container receiving bay is heavily used, and therefore the winch assembly is regularly inspected and maintained. An access ladder has been specifically provided to get to the roof area where the winch assembly is located. During a breakdown or overhaul of the winch several workers will be involved.

A shelter is required and is designed to protect the winch assembly and roof penetrations from weather. The shelter also needs to house the workers safely at this elevated location



2775 Commissioner Street, Vancouver BC V5K 1A1

Columbia Containers
Transloading Facility

- 1 -

Hemmera
July 2017

July 25, 2017
File: 1165-002.03

Columbia Containers
2775 Commissioner Street
Vancouver, BC V5K 1A1

Attn: David Lord, Project Manager, Columbia Containers

Dear Mr Lord,

Re: Columbia Containers Transloading Facility – 2017 design refinement opinion in respect of lighting and visual impact assessment reports

1.0 INTRODUCTION

The 2015 design and design parameters established for the Columbia Containers Transloading Facility modernization have been refined to improve functionality of the facilities. The refinements are the addition of a cover on the winch and a combined staff / first aid room on the roof of the rail car receiving shed.

This letter serves to assess the outcome of those refinements with respect to previously-supplied figures and assessments pertaining to lighting and visual impact assessments (Hemmera 2014 and 2015, and opinion letters pertaining to both disciplines in Feb 2016). The following refinements are considered relevant to this current assessment:

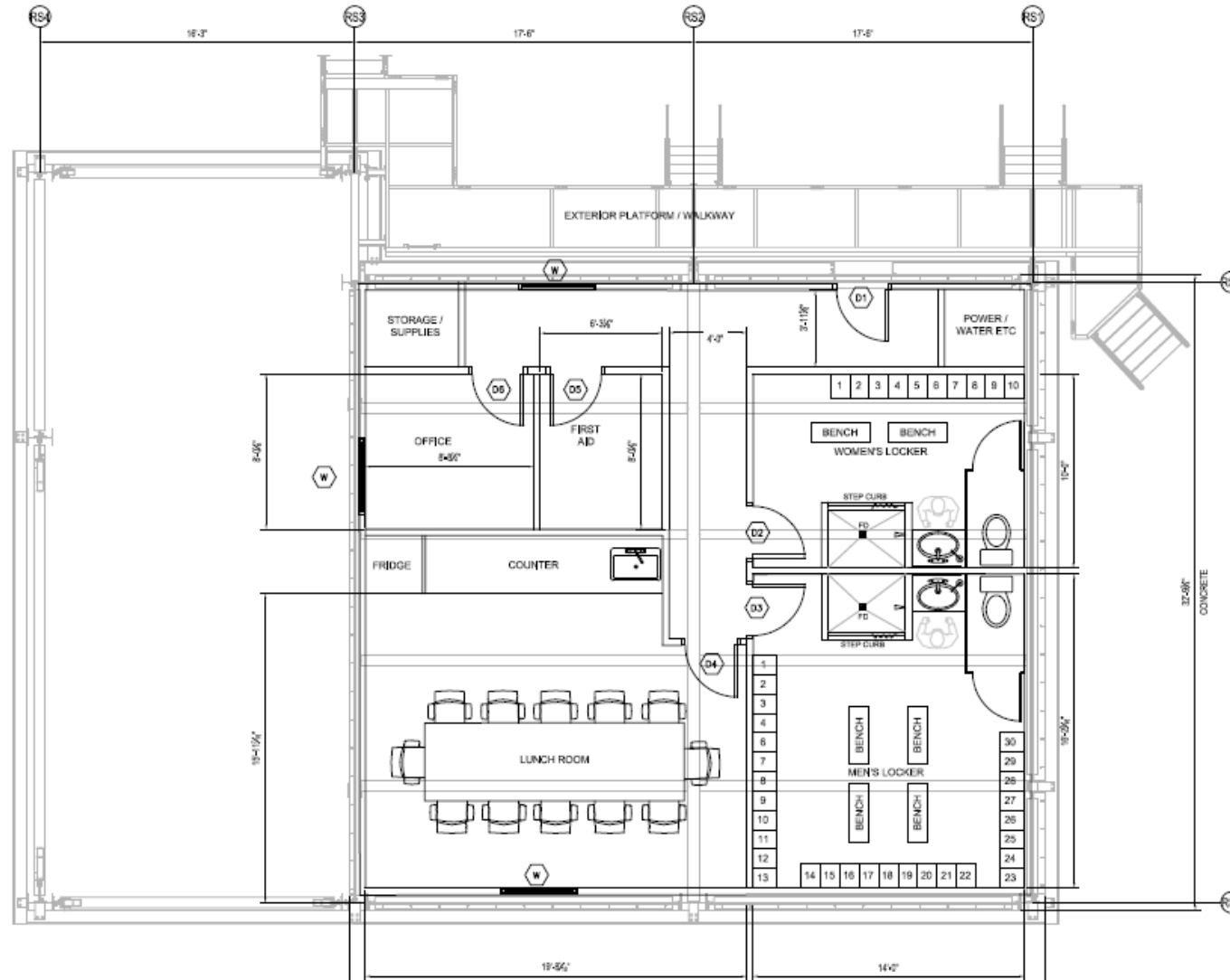
- The addition of a winch cover on the rail car receiving shed to shelter workers and keep them safe during maintenance, and to protect equipment from rain; and
- The addition of a combined staff / first aid room with changing and locker facilities and a staff / lunch room on the rail car receiving shed. This facility addresses safety concerns with the currently proposed design which is at grade on the north portion of the site, and makes more efficient use of the available footprint.

This letter addresses whether the design refinements are substantive, such that the outcome of the lighting impact assessment and mitigation described in 2015 and 2016 remain relevant and accurate.

2.0 BACKGROUND AND SCOPE

Assessments of lighting and visual impacts were conducted for the proposed modernization of the Columbia Containers Transloading Facility in 2015 (two Hemmera reports in 2015). Additional changes in 2016 were reviewed with respect to lighting and visual impacts (two Hemmera reports in 2016). Lighting assessments during both periods concluded that the designs for the proposed modernization were consistent with lighting policies outlined in the EVPL Area Plan. The designs minimized the number of floodlights required, while ensuring operations can continue safely and maintain security standards, and that, wherever possible, lighting points north or is shielded to reduce impacts to residential properties to the south. It was concluded

Staff Facilities

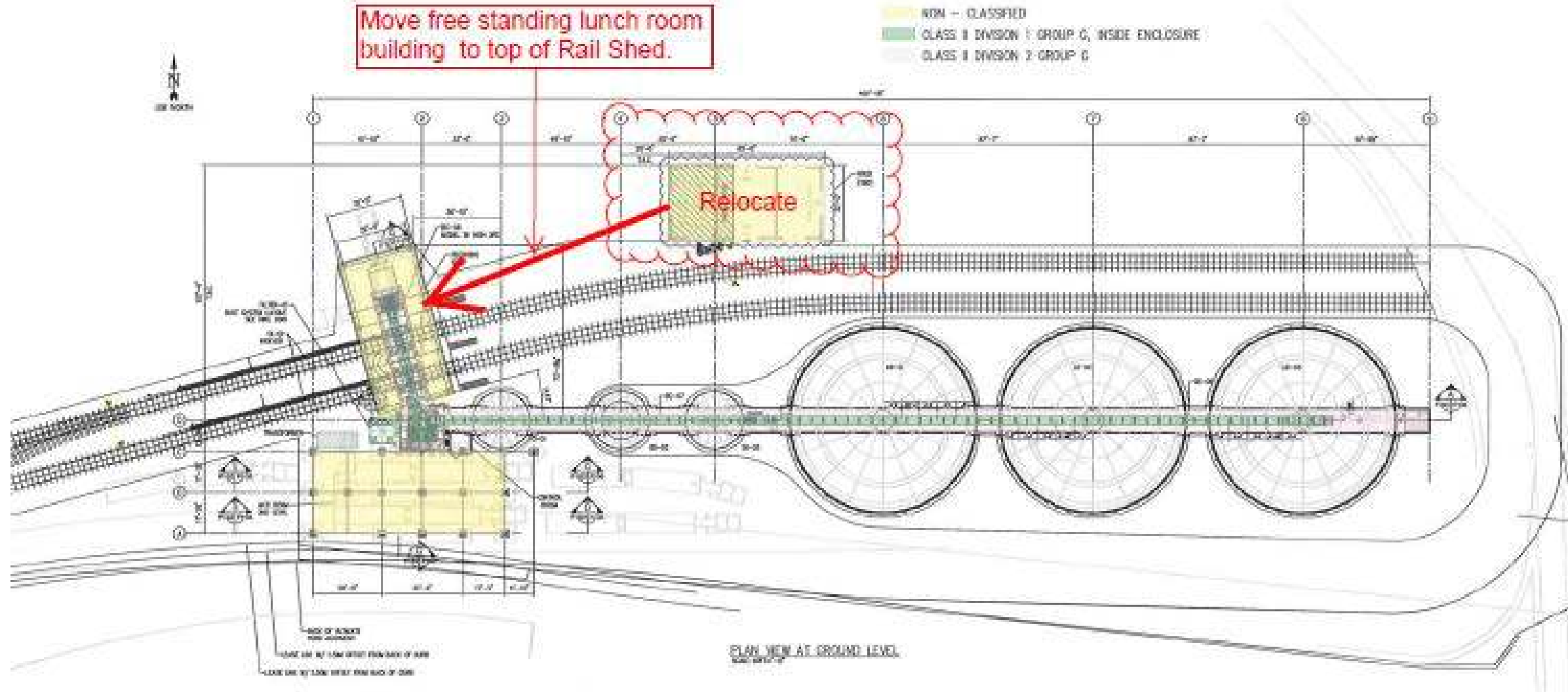


Stand Alone Staff Facilities



LOOKING NORTH
Scale 1/8"=1'-0"

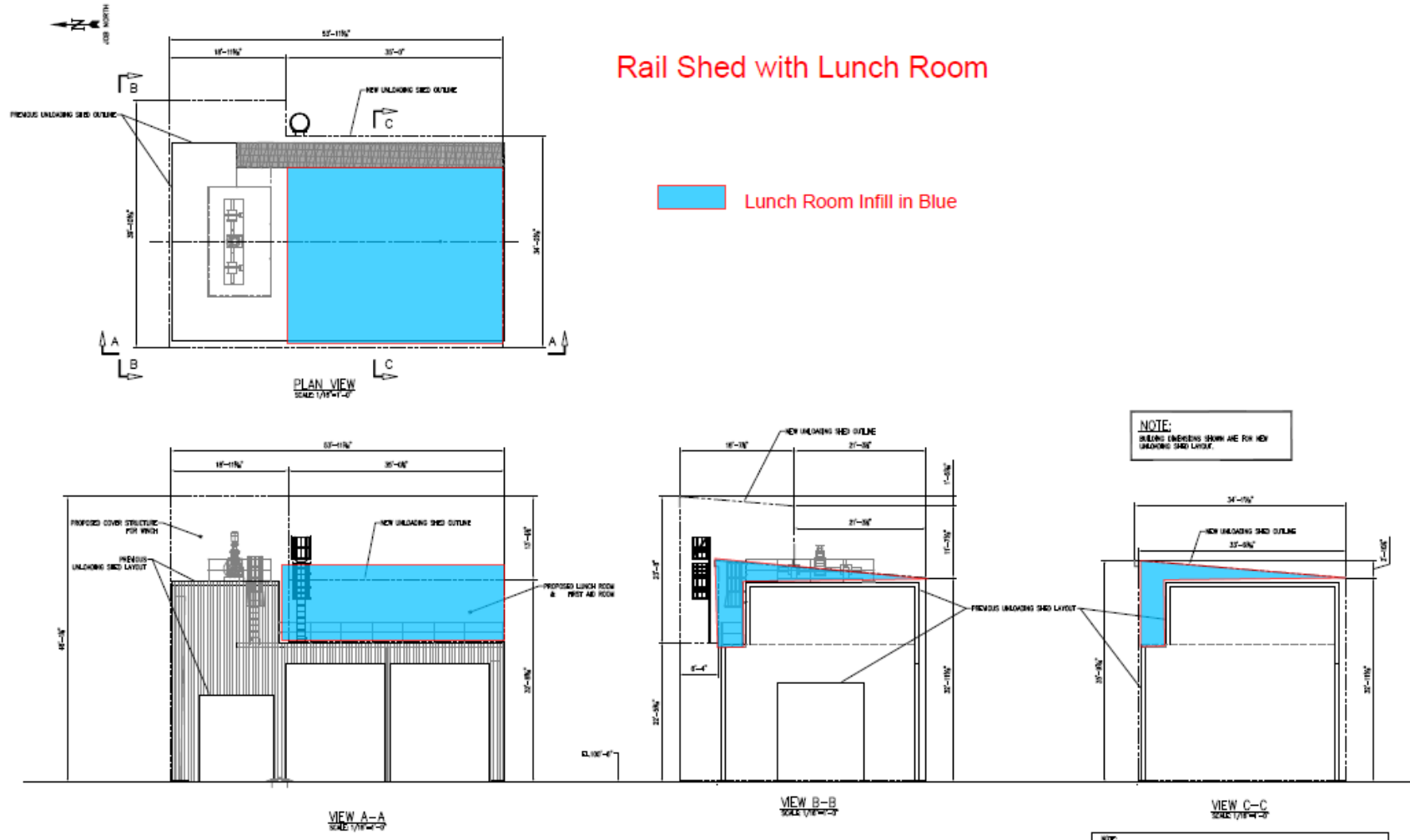
Staff Facilities Location



SECTION	DESCRIPTION	LENGTH	WIDTH	HEIGHT
SECTION A-A	CROSS SECTION OF CONTAINER STACK	10'-0"	8'-0"	10'-0"
SECTION B-B	CROSS SECTION OF CONTAINER STACK	10'-0"	8'-0"	10'-0"
DETAIL	DETAIL OF CONTAINER STACK	10'-0"	8'-0"	10'-0"
LAYOUT	PLAN VIEW OF CONTAINER YARD	100'-0"	100'-0"	10'-0"

[illegible]

Revising Rail Shed for Workers Facilities



PLAN VIEW @ 100'-6"
SCALE 1/8"=1'-0"

PLAN VIEW @ 123'-0"
SCALE 1/8"=1'-0"

VIEW A-A (NORTH SIDE)
SCALE 1/8"=1'-0"

VIEW B-B (WEST SIDE)
SCALE 1/8"=1'-0"

VIEW C-C (SOUTH SIDE)
SCALE 1/8"=1'-0"

VIEW D-D (EAST SIDE)
SCALE 1/8"=1'-0"

TITLE BLOCK:

SCALE: 1/8"=1'-0"

REVISIONS:

NO.	DATE	DESCRIPTION
01	03-15-2017	ISSUED FOR CONSTRUCTION

PROJECT INFORMATION:

CLIENT: **COLUMBIA CONTAINERS**

PROJECT NO.: **03-15-2017**

DATE: **03-15-2017**

DESIGNER: **WILLIAMSON ENGINEERING**

LOCATION: **VANCOUVER, BC**

NOTES:

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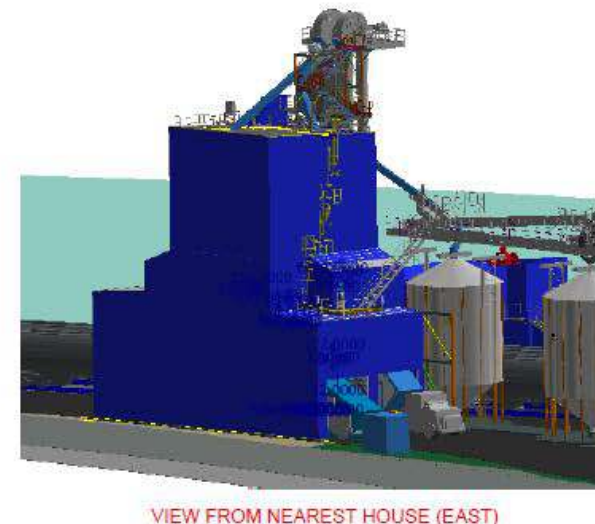
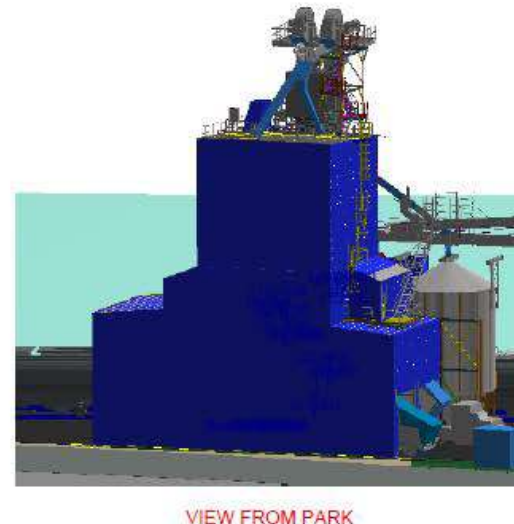
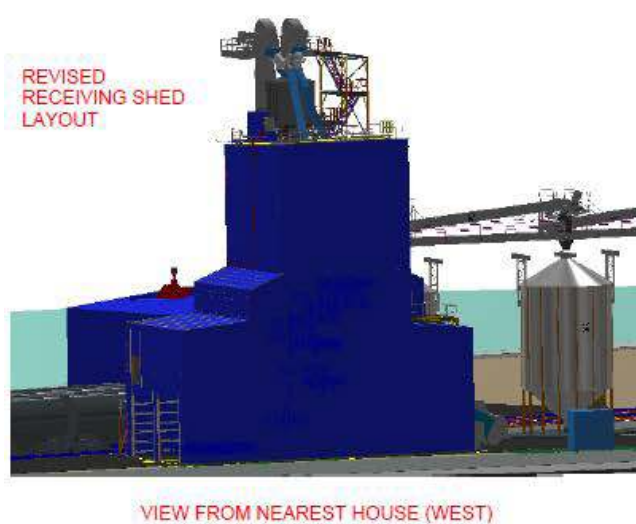
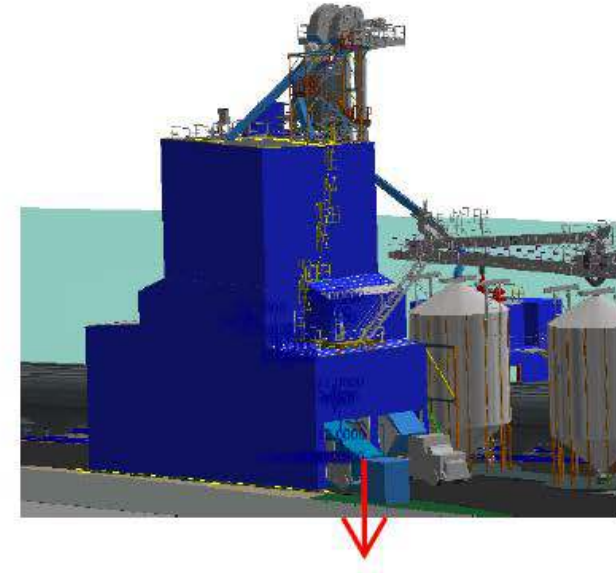
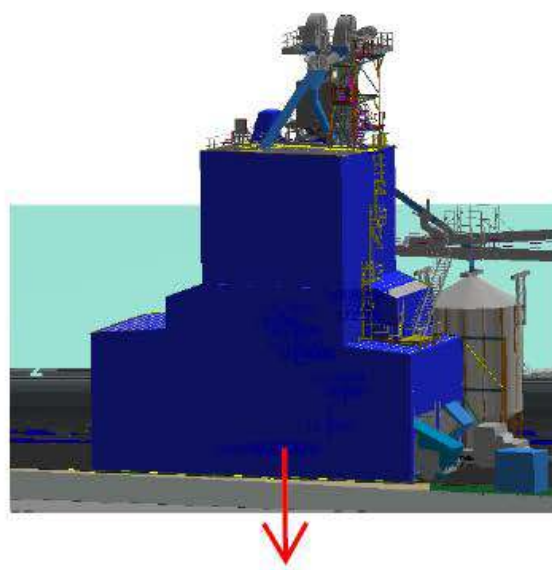
View Perspectives

3-16-0001 CCL - PROPOSED 3D MODEL VIEWPOINTS



Coordinate data references:

View Comparisons for Staff Facilities



VIEW FROM NEAREST HOUSE (WEST)

VIEW FROM PARK

VIEW FROM NEAREST HOUSE (EAST)

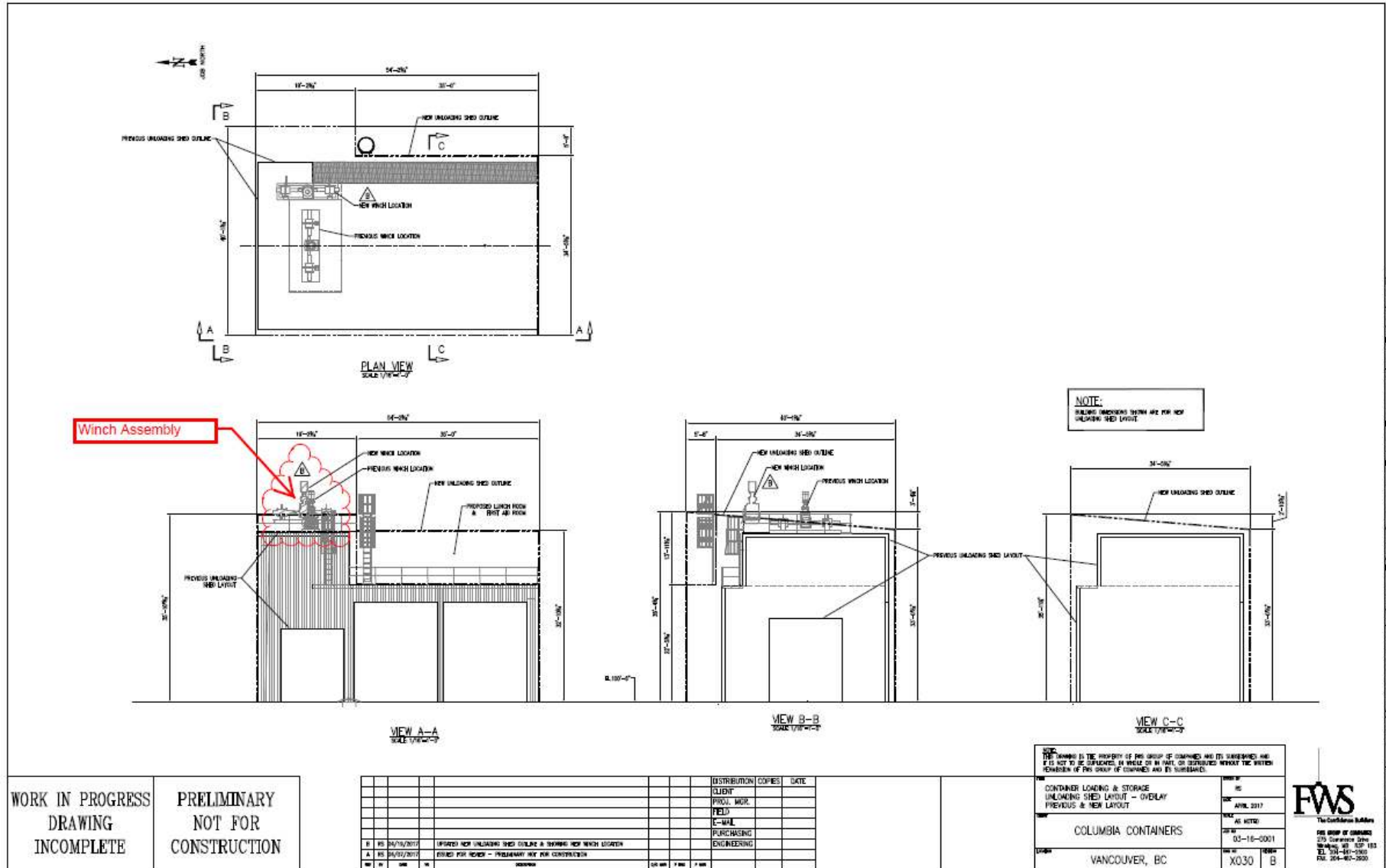
SECTION A-A

SECTION B-B

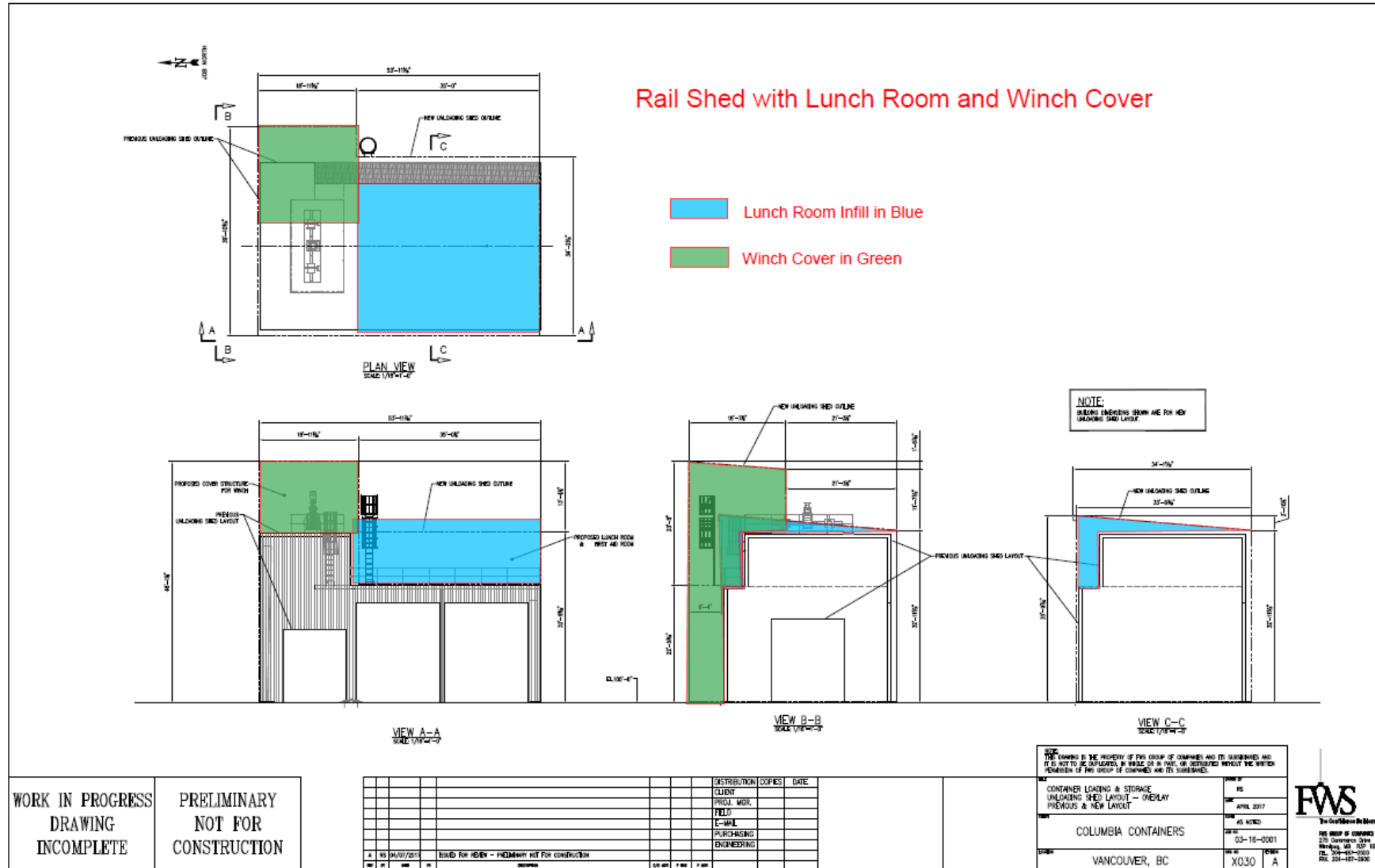
SECTION C-C

SECTION	DESCRIPTION	LENGTH	WIDTH	HEIGHT
SECTION A-A	Overall Length	100'-0"	40'-0"	10'-0"
SECTION B-B	Overall Width	40'-0"	10'-0"	10'-0"
SECTION C-C	Overall Height	10'-0"	10'-0"	10'-0"

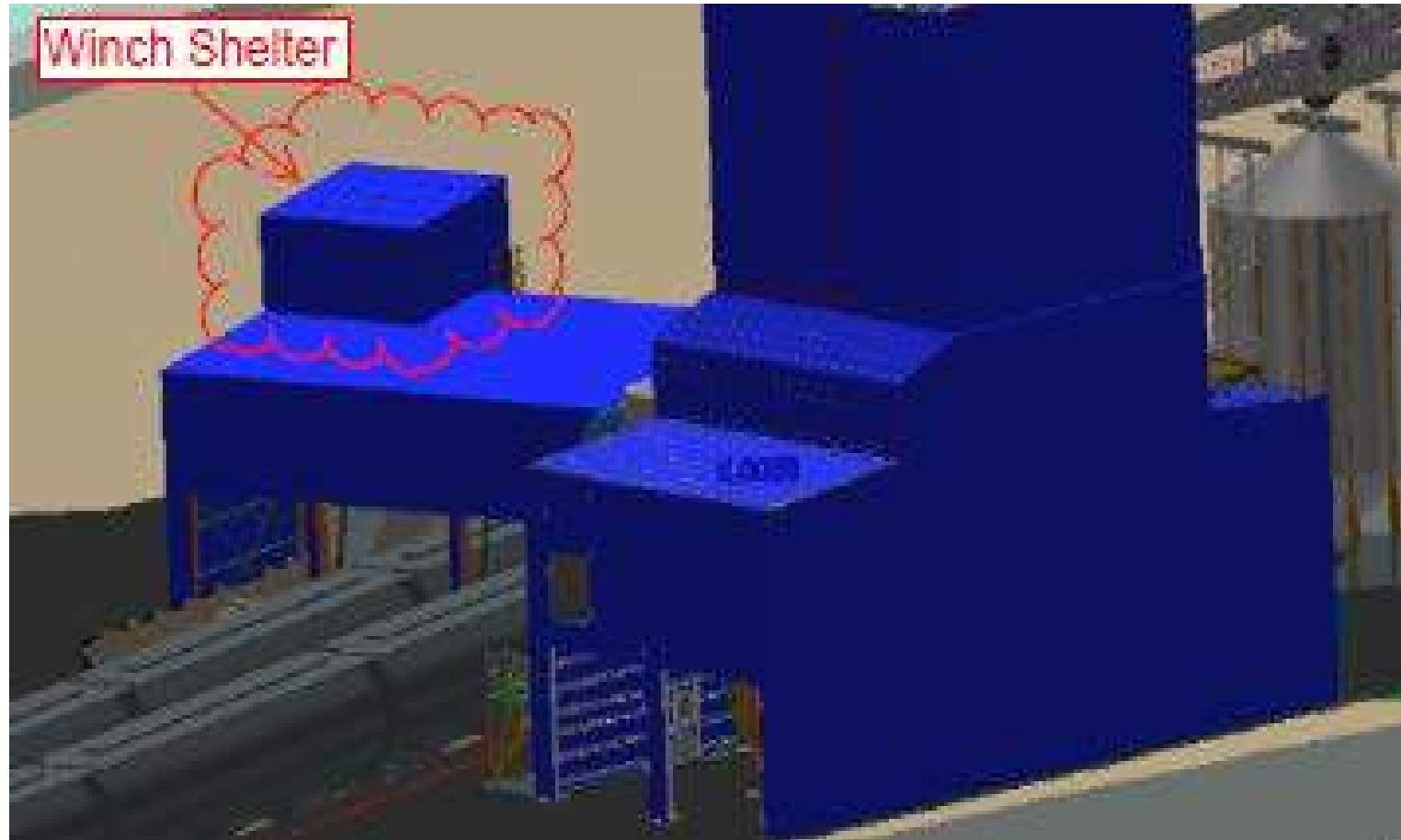
Winch Cover Addition



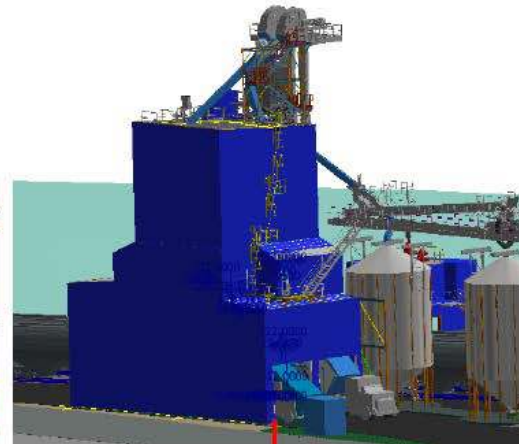
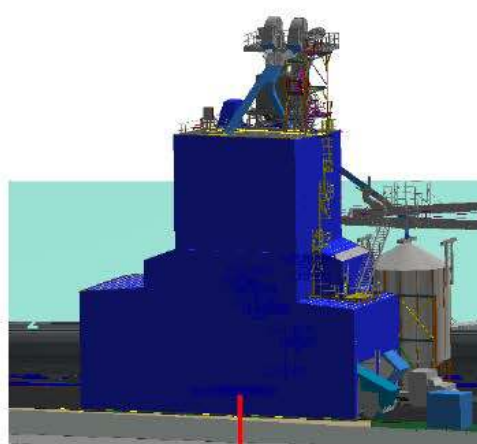
Winch Cover Addition



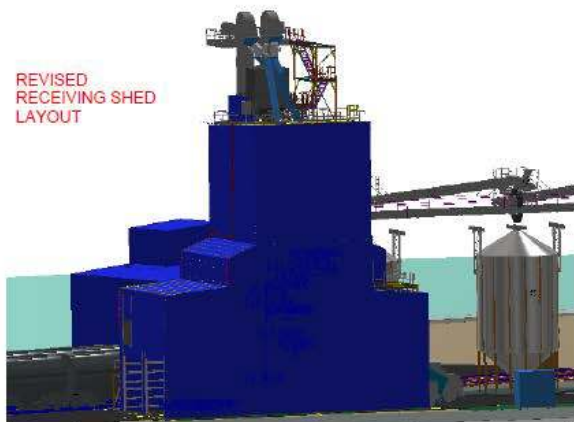
Winch Cover Addition



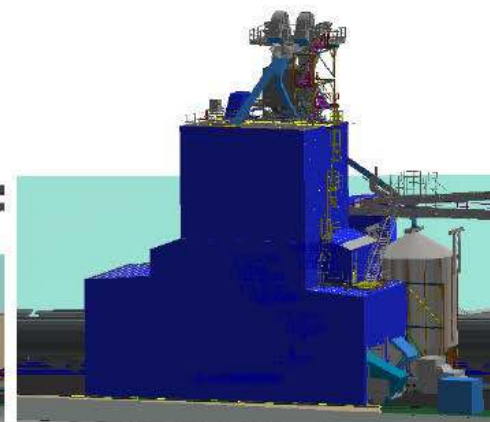
APPROVED PERMIT
DESIGN



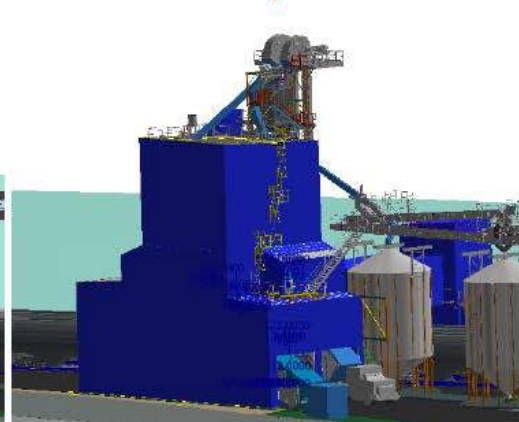
REVISED
RECEIVING SHED
LAYOUT



VIEW FROM NEAREST HOUSE (WEST)



VIEW FROM PARK

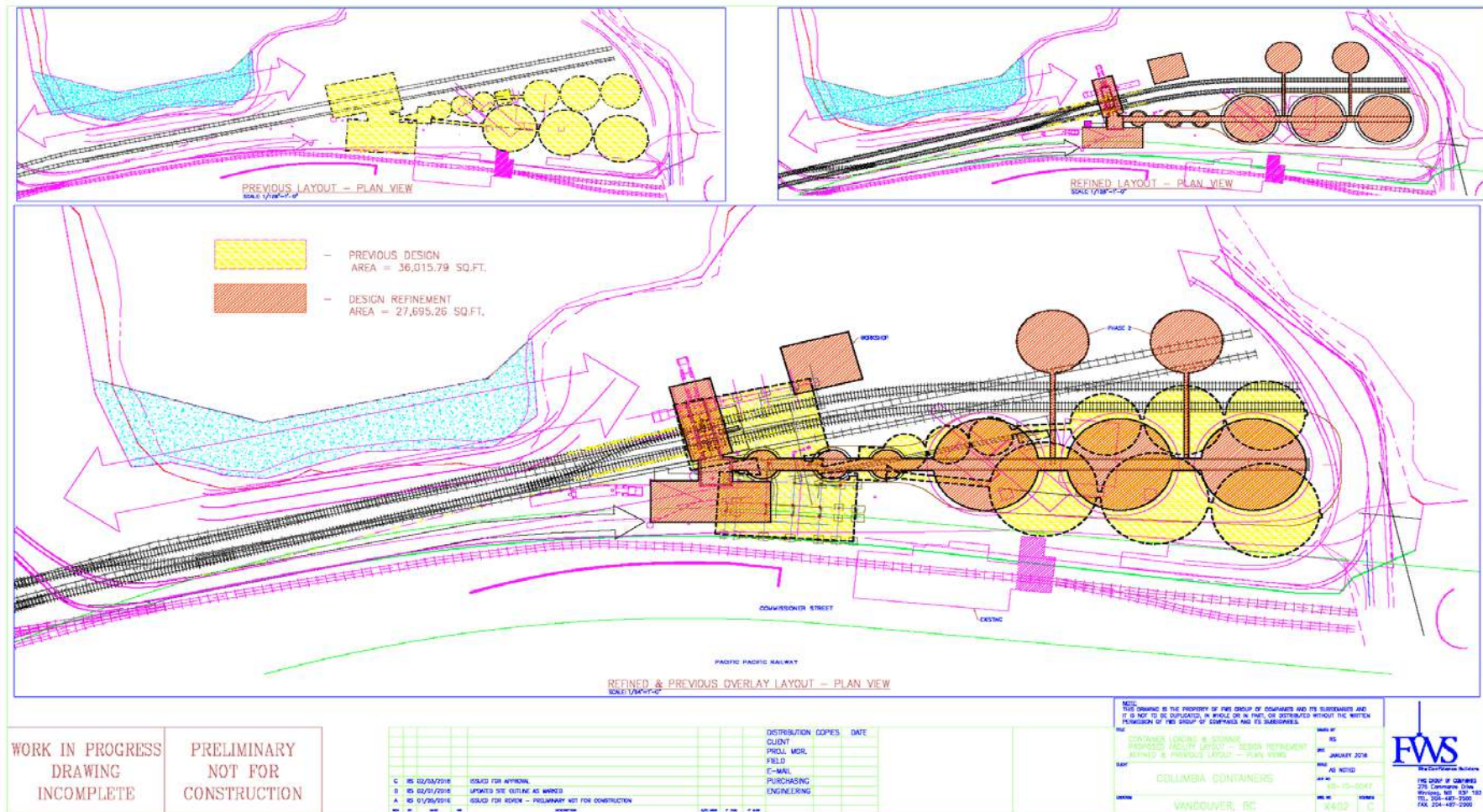


VIEW FROM NEAREST HOUSE (EAST)

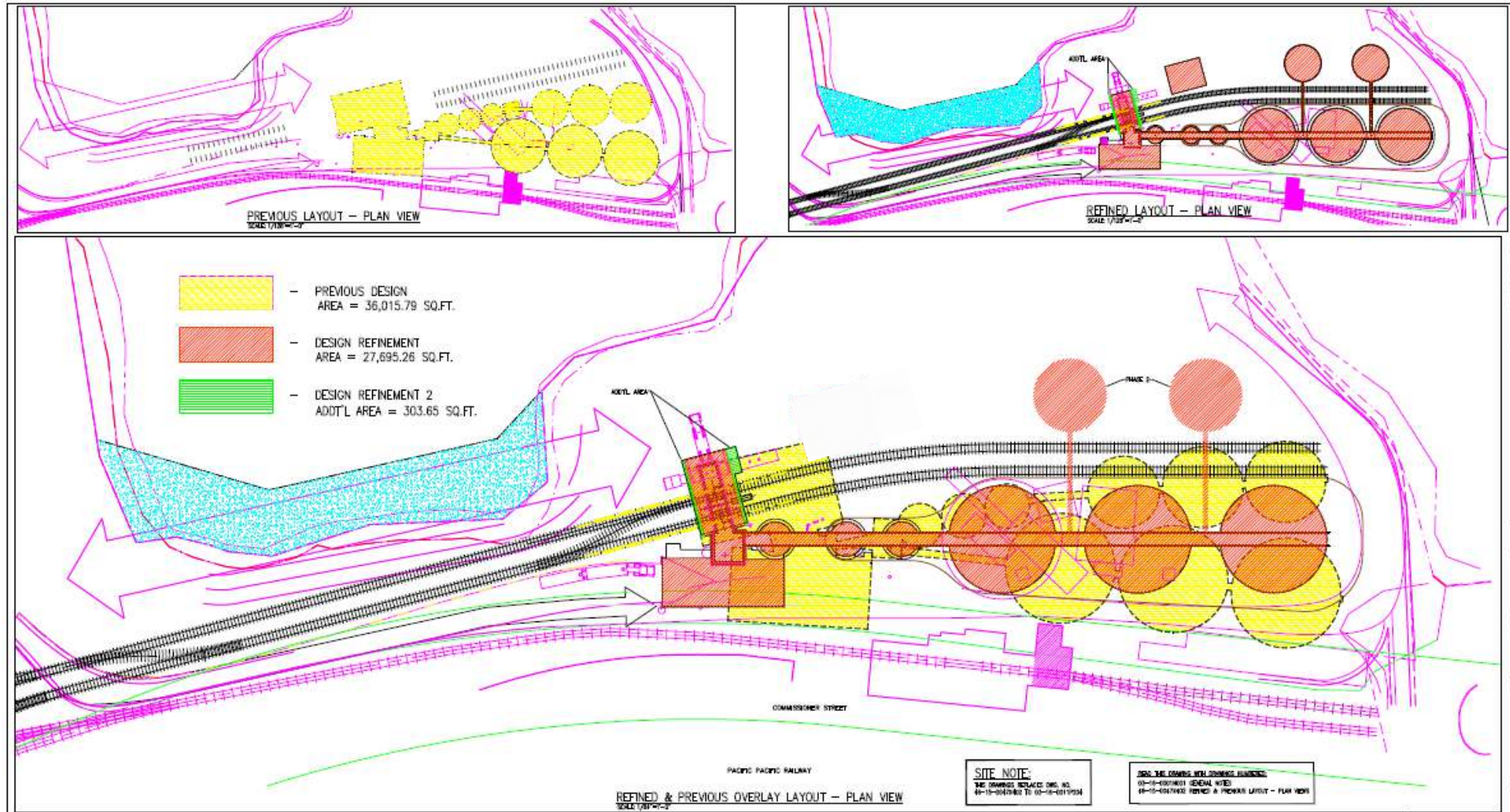
Design Refinements



Revised Design Comparison



Comparison with Rail Shed Revisions



Elevation Change

