



VANCOUVER OPERATIONS UPDATE

EVPL Presentation

June 30th, 2016



CASCADIA TERMINAL

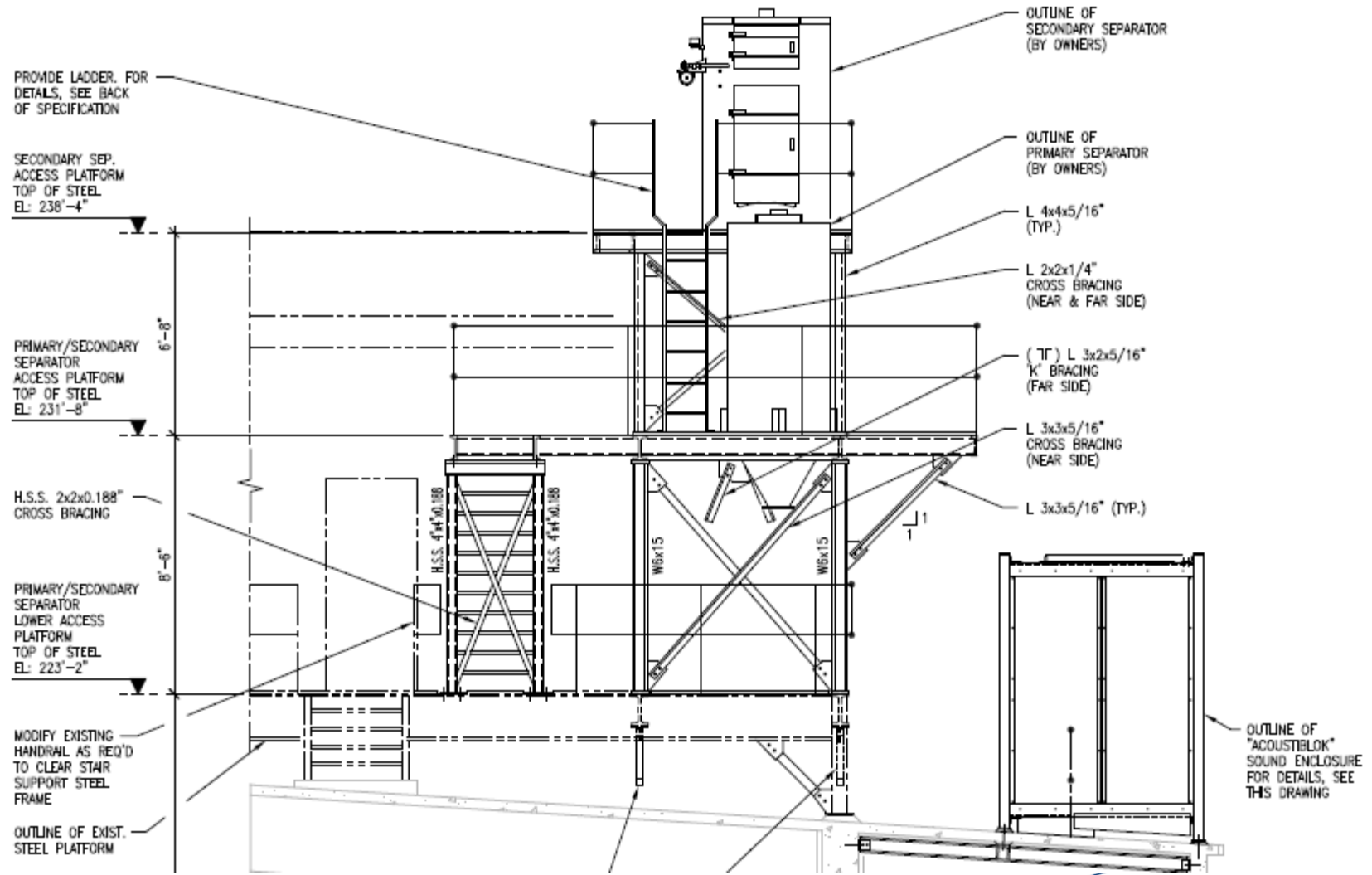


NEW PROJECTS

Cascadia Annex 1-4 Vacuum System

- scheduled for installation in 2017
- provides industrial vacuum support to the Annex 1-4 operating areas
- design is similar to our existing Workhouse 1 and 2 Vacuum Systems
- heavy grains are separated and stored in wall bin for transport to facility by-products reclaim system
- lighter materials are transferred to the dust collection system
- required to support food safety cleanup requirements as regulated by CFIA

Annex 1-4 Vacuum System



Annex 1-4 Vacuum System



Annex 1-4 Vacuum System – location on Annex

Annex 1-4 Vacuum System



Annex 1-4 Vacuum System – location area on Annex 1 Roof

NEW PROJECTS

Cascadia Utility Bridge Replacement

- current bridge originally constructed in 1928 but at its structural “end of life”
- project involves construction of new BCH Substation on Bridgeway. New Substation replaces an existing substation within the facility and addresses future BCH scheduled upgrade to 25KV service from the existing 12KV service
- expect to utilize directional drilling for crossing utility services under the CPR K-Yard
- services to be relocated include BC Hydro, Fortis Natural Gas, COV Water and Telus Telecom. “Point of Service” for all utilities will be relocated to the Bridgeway property
- project requires a “right of way” agreement with CP Rail
- Bridgeway St. property to be developed under COV Development and Building Permits. This includes utilities agreement for old street crossings in K-Yard
- Facility delivery side of project to be developed under Port of Vancouver Project and Building Permits
- expect to begin construction starting in mid 2017 with bridge demolition expected in summer of 2019

Utility Bridge Replacement



Utility Bridge across K-Yard – view from Terminal

Utility Bridge Replacement

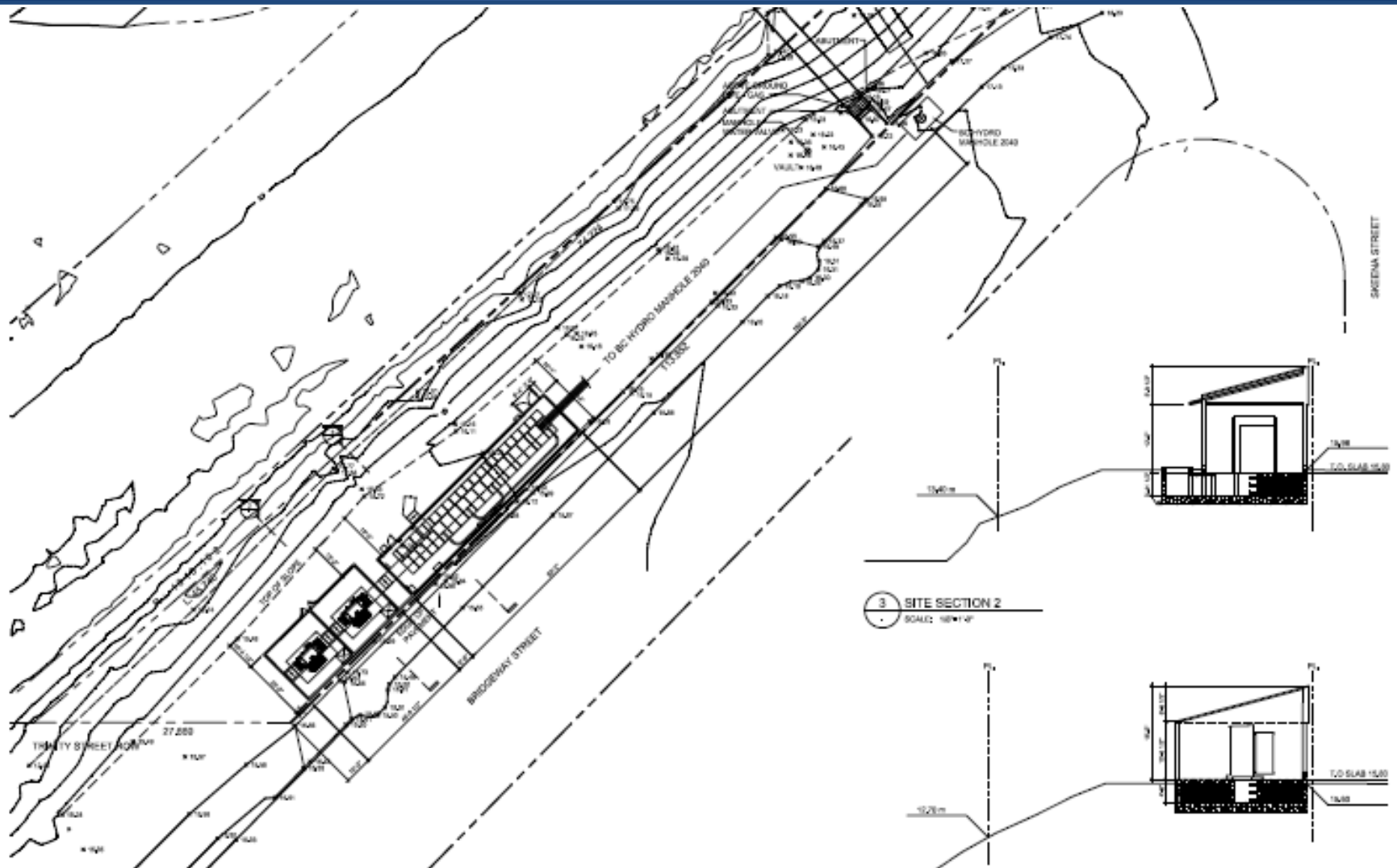


Utility Bridge across K-Yard – View from Bridgeway

Utility Bridge Replacement



Utility Bridge Replacement



NEW PROJECTS

- ✓ Cascadia Annex 1-4 South Roadway Drainage Upgrade
 - construction of new paved road and drainage system including lifting stations to an existing outfall. Up to three (3) lift stations are anticipated
 - planned installation of an oil/water separator before outfall
 - project addresses water ground pressure issues against storage basements that leads to potential mold contamination in basements
 - project also provides year round service road for maintenance and emergency access issues

Annex 1-4 South Roadway Drainage



East View

Annex 1-4 South Roadway Drainage



West End of Roadway



Annex 1-4 South Roadway Drainage



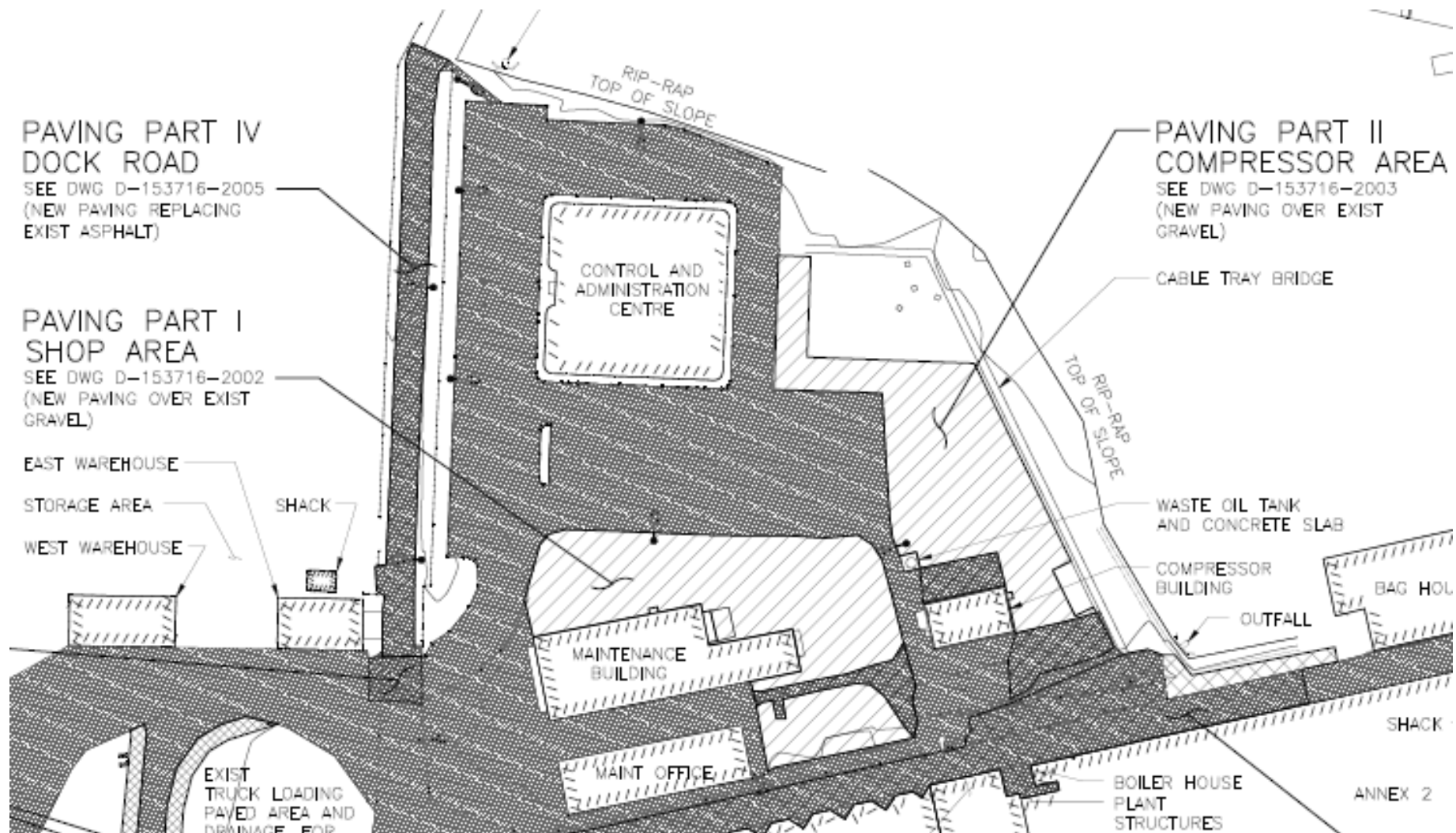
Location of Roadway

NEW PROJECTS

Cascadia West Yard Paving

- repaving of existing roadways to replace heavily worn asphalt
- extension of employee parking areas
- drainage upgrade at Maintenance Shops to eliminate heavy ponding occurring during rain storms

West Yard Paving



General Arrangement

West Yard Paving



New Asphalt Area – for parking and storage



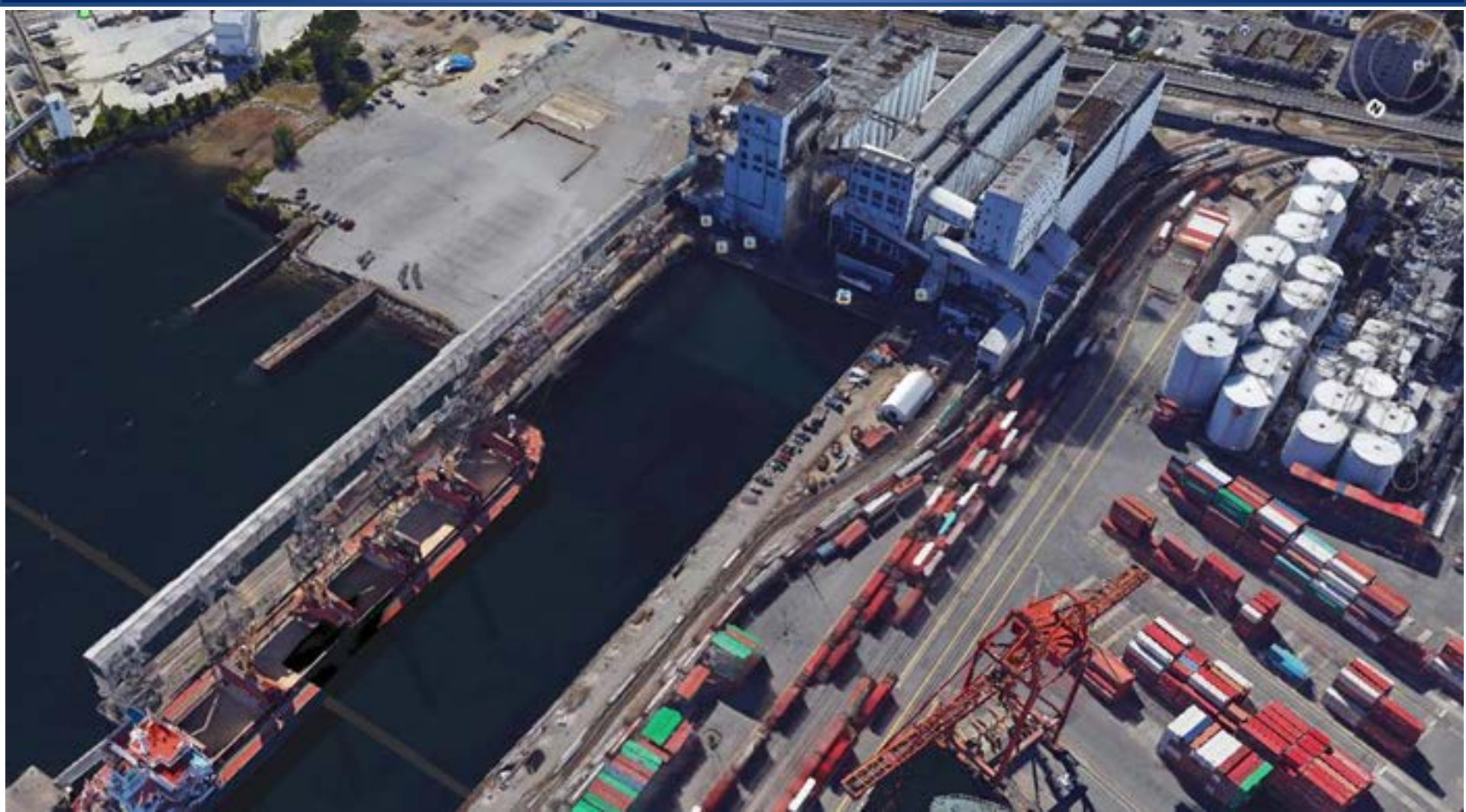
West Yard Paving



New Asphalt Area – for parking and storage



PACIFIC TERMINAL



TERMINAL UPGRADES – Project Update

Pacific Basin Dredging Program

- completing remaining dredging starting July 4th with completion by Sept.
- approx. 20000m³ remaining to be removed
- DAS Permitting revised accordingly

Ship Loading System Upgrade

- currently in mechanical/electrical fit-up with commissioning to start July 11th
- berth construction to be substantially complete by June 30th
- expected operational start targeted for the 1st week of Sept 2016

Substation Upgrade

- complete but currently going through final finishing details

Dust Control Upgrade

- substantially complete and operational
- associated filter and fan demolitions to complete by end of 1st Qtr 2017

Shipping System Upgrade



PACIFIC Upgrade – Ship Loading System in Construction



Shipping System Upgrade



Shipping System Upgrade



PACIFIC Upgrade – Ship Loading System New Ship Loader Erection



Dust Control Upgrade



PACIFIC Upgrade – Dust Control - view from Stewart St.

TERMINAL UPGRADES – Additional Projects

Pacific 3 Demolition

- complete demolition of original NHB No. 1 Building to below grade
- facility was mothballed in 2010 due to a variety of building envelope issues and inefficient layout for operations use
- demolished space will be reutilized for additional rail track storage (future) and new Administration/Employees Facility in late 2017
- expected duration is 10-11 months with commencement between Nov 2016 and Jan 2017
- work will be conducted during normal Monday to Friday business hours 0700 to 1700 hours
- Port of Vancouver has issued Demolition permit subject to conditions

PAC3 Demolition



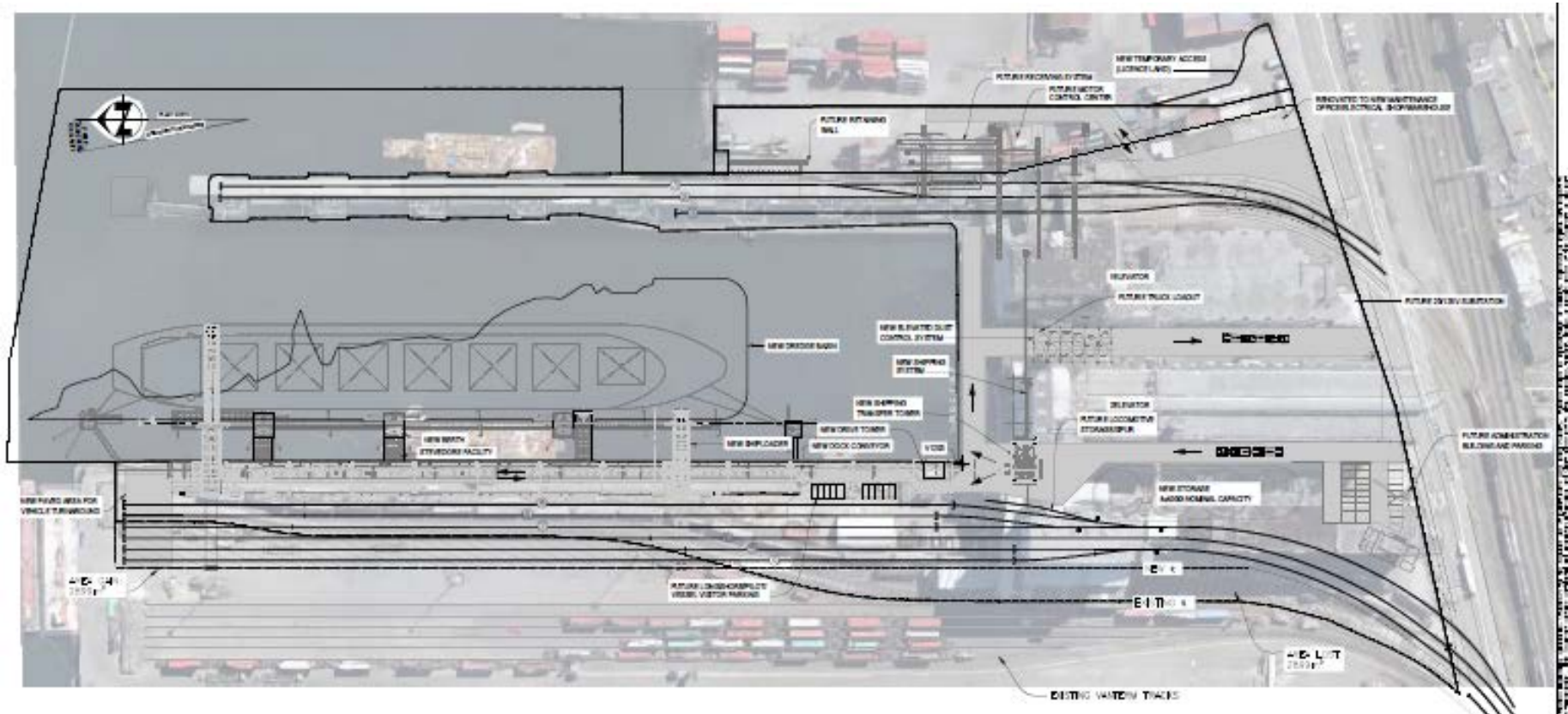
PACIFIC 3 (NHB Terminal 1) circa 1919

PAC3 Demolition



PACIFIC 3 circa 1998

PAC3 Demolition



TERMINAL UPGRADES – Additional Projects

Pacific 1 Shipping Gallery Demolition

- originally included in scope of work for Shipping System Upgrade. Required permitting extracted for technical reasons and completeness
- currently expected to start in Nov 2016 with 7-8 month execution
- includes removal of all gallery structures from east wall of PAC1 Workhouse to north end of Jetty
- Jetty will remain in use as a rail service trestle only
- work will be conducted during normal Monday to Friday business hours 0700 to 1700 hours with some heavy-lift activities occurring on Saturday dayshifts
- start date premised on completion of new ship loader by Sept and issuance of Port of Vancouver Demolition Permit

PAC1 Gallery Demolition



PACIFIC 1 SHIPPING GALLERY circa 2012

PAC1 Gallery Demolition



PACIFIC 1 SHIPPING GALLERY circa June 2016

PACIFIC 1 SHIPPING GALLERY – Post Demolition Lighting for Rail Tracks



TERMINAL UPGRADES – Additional Projects

East Side Retaining Wall Installation

- to replace failing retaining wall between Pacific and former Marco Property
- wall provides grade separation between PAC1 Jetty and former Marco property
- Viterra acquired a subdivided lot from Port in 2014 with condition that Viterra would undertake necessary repairs
- project is currently in for PER assessment

Retaining Wall



Retaining Wall Area



TERMINAL UPGRADES – Additional Projects

Apron/Marignal Wharf Re-enforcement

- required to upgrade structural capacity for Vancouver Fire Department short wheel base pumpers. Current structure is not unsafe but marginal in capacity for these fire trucks
- dock is comprised of two different structures, Apron structure which is actually Port of Vancouver property and Marginal Wharf to east which is Viterra property
- project currently in Engineering to develop lowest impact upgrade requirement for handling shear loads in associated pile caps
- project is currently in for PER assessment
- work is tentatively scheduled for summer of 2017

Apron – Marginal Wharf Re-enforcement



Overhead View

Apron – Marginal Wharf Re-enforcement



View from under Wharf

TERMINAL UPGRADES – Additional Projects

New Administration/Employee Facility

- two level structure to provide Operations Administration offices and Employee Shower/Change room facilities
- includes parking to support shift changes and visitors
- meets current regulatory facility requirements as specified in the federal occupational facility requirements
- includes paving of new road along west side of PAC2 complex and revision to facility traffic flows
- project is currently in for PER assessment
- expected to commence construction following completion of PAC3 Demolition in late 2017 with occupancy expected in summer 2018

New Administration/Employee Facility

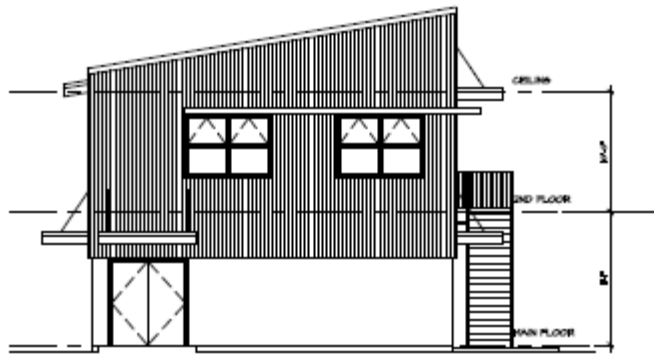


FUTURE ADMINISTRATION
BUILDING AND PARKING

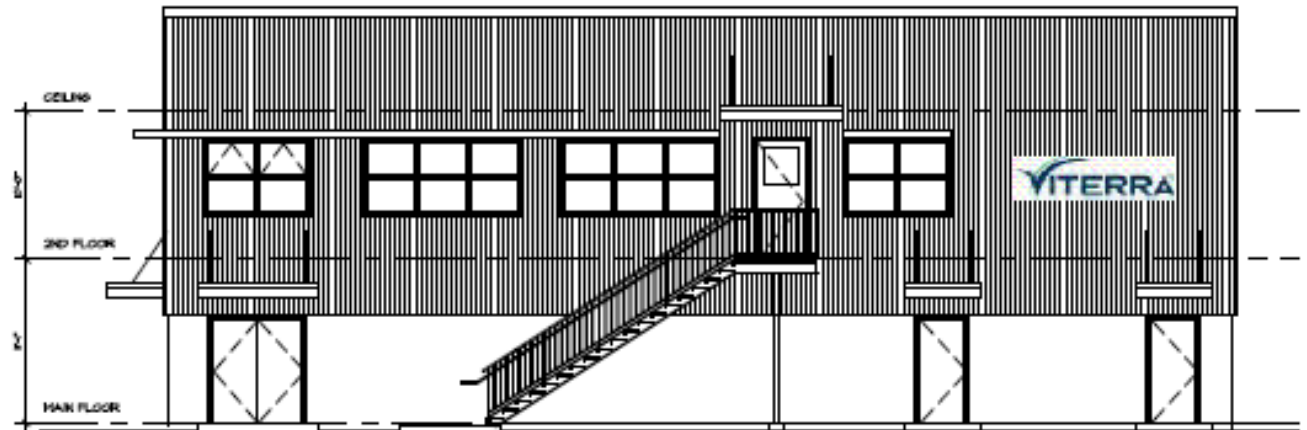
Location of Proposed Building and Parking along Stewart St.



New Administration/Employee Facility

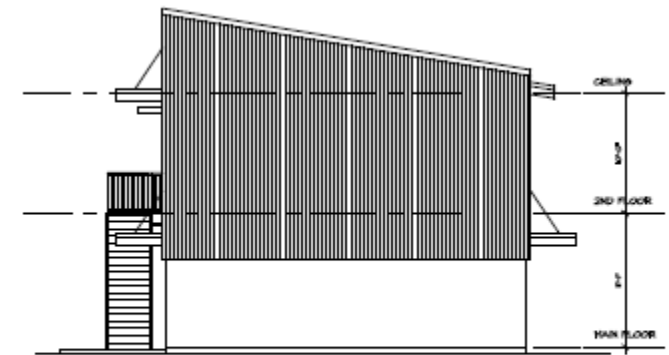


1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

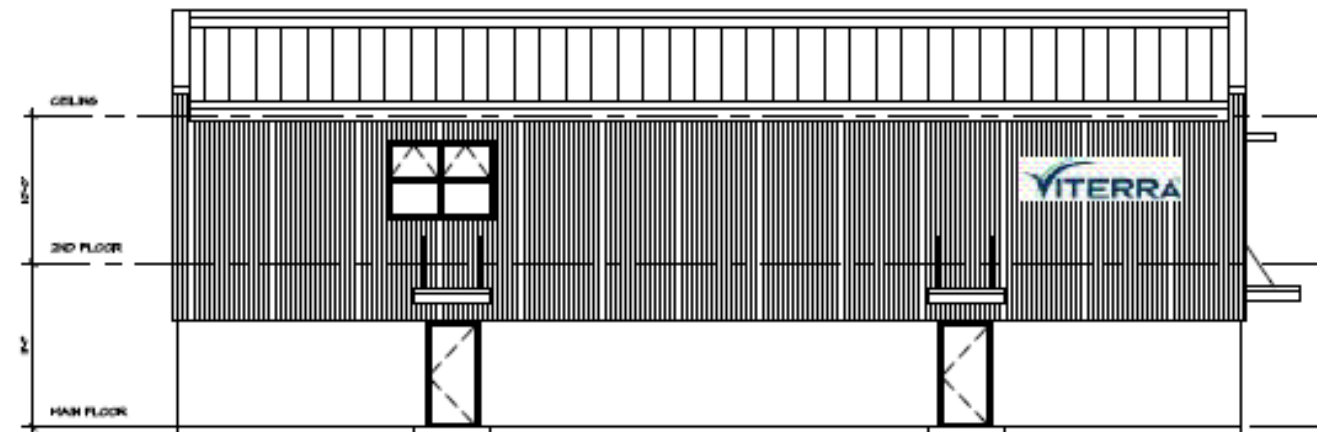


2 EAST ELEVATION
SCALE: 1/8" = 1'-0"

New Administration/Employee Facility

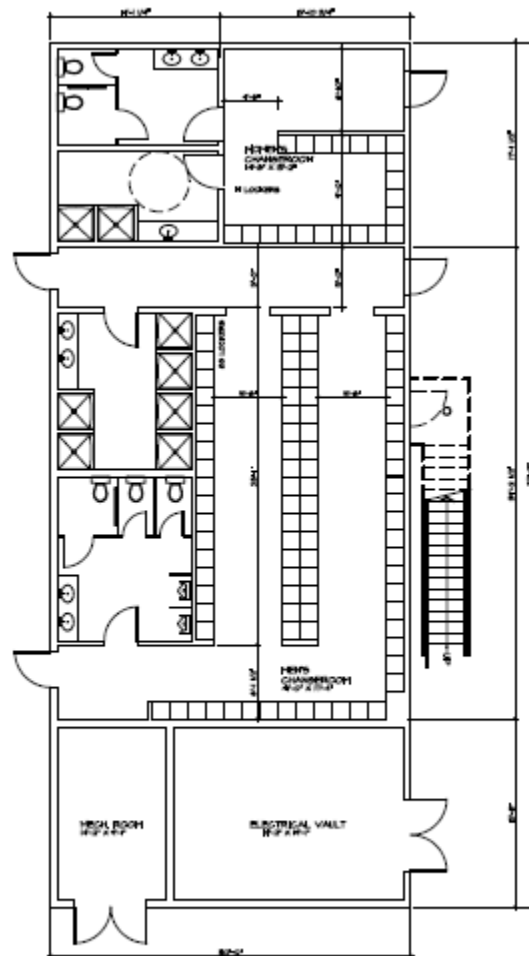


3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

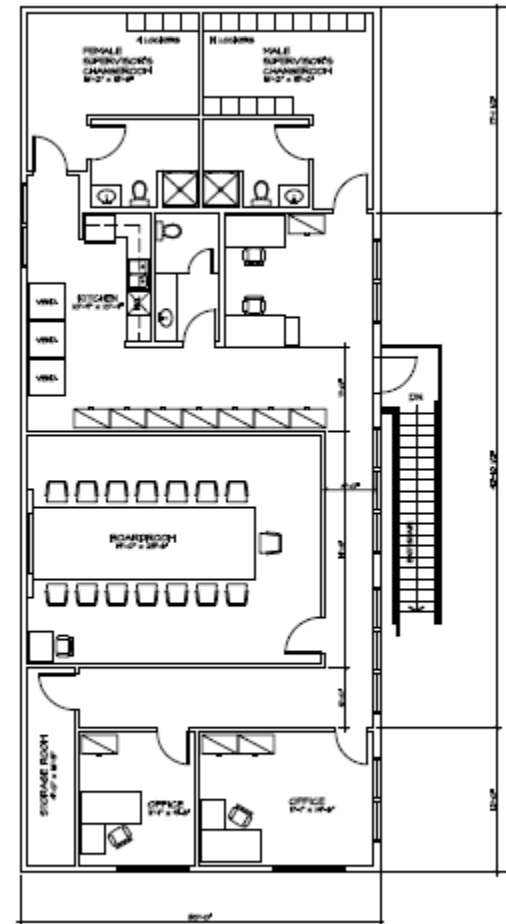


4 WEST ELEVATION
SCALE: 1/8" = 1'-0"

New Administration/Employee Facility



1 MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"
PRINT SCALE: 3/8" = 1'-0"



2 UPPER FLOOR PLAN
SCALE: 1/4" = 1'-0"
PRINT SCALE: 3/8" = 1'-0"

QUESTIONS?