HARRIS AVENUE SHIPYARD PROPOSED INTERIM ACTION

PUBLIC MEETING
MARCH 26, 2015

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State of Washington

AGENDA

- **6:00 – 6:10** **Introduction, Meeting Purpose & Process Overview –** *John Guenther, Brad Petrovich, Ecology*
- **6:10 – 6:25** **Site History & Environmental Conditions –** *Mike Stoner, Port of Bellingham*
- **6:25 – 6:55** **Site Cleanup –** *Stephen Bentsen, Floyd|Snider*
- **6:55 – 7:00** **Closing and next steps –** *John Guenther, Brad Petrovich, Ecology*
- **7:00 – 8:00** **Questions and answers**

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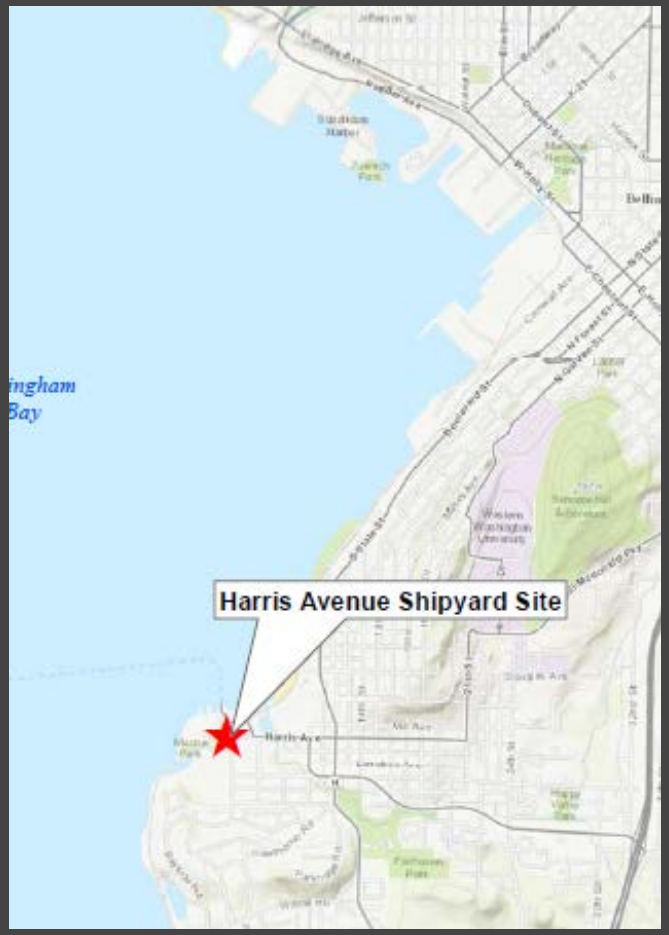

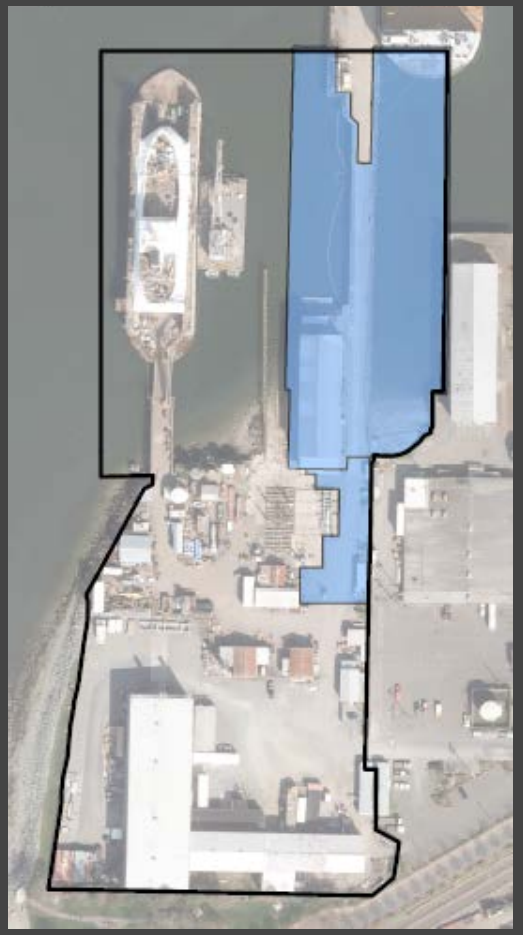

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MTCA CLEANUP PROCESS

Initial Site Assessment

Remedial Investigation/ Feasibility Study (RI/FS)

Interim Actions (if appropriate)

Consent Decree & Cleanup Action Plan

Remedial Design, Permitting, Construction, and Monitoring

BACKGROUND

- Site is about 10 acres in size: 5 acres of uplands, 5 acres of aquatic land
- Property ownership is a combination of State and Port-owned land
- Over 100 years of commercial activities including fish processing facilities, ship building and ship repair
- Current Port tenants: Fairhaven Shipyards (Puglia) and All American Marine

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CURRENT OPERATIONS

- Fairhaven Shipyards/Puglia
  - Ship-building and repair services
  - Dry Dock, Faithful Servant
  - Marine Railway
  - Main Pier, Carpenter Building
- All-American Marine
  - Boat manufacturing
  - No in-water services

PRELIMINARY RI/FS FINDINGS

- Preliminary RI/FS to Ecology - June 2014
- Upland Contamination:
  - Arsenic, Copper and Zinc in Shallow Soils
  - Petroleum Contamination in Vicinity of Former Above Ground Storage Tanks
- Sediment Contamination:
  - At Depths of 1 to 4-feet Below Mudline
  - Arsenic, Copper and Zinc
  - Fluoranthene, pyrene, cPAHs and PCBs

STRUCTURAL ASSESSMENT - JULY 2014

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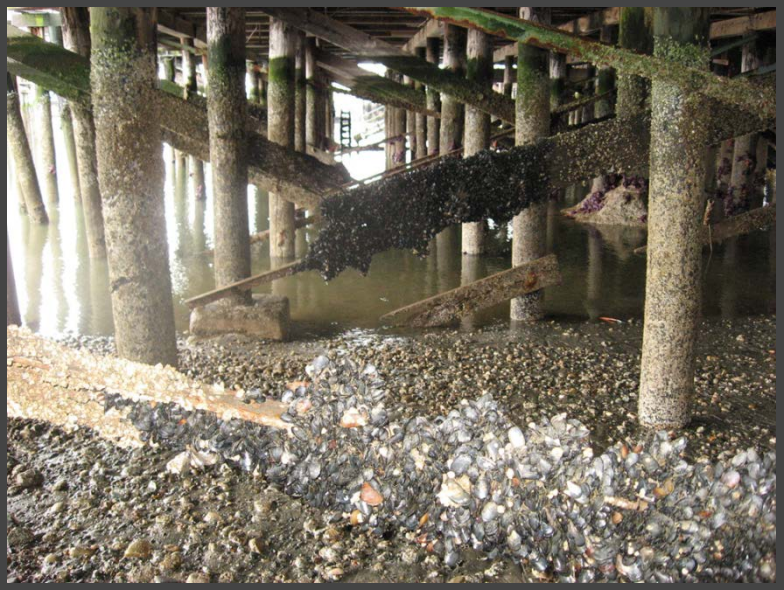
UNDER PIER



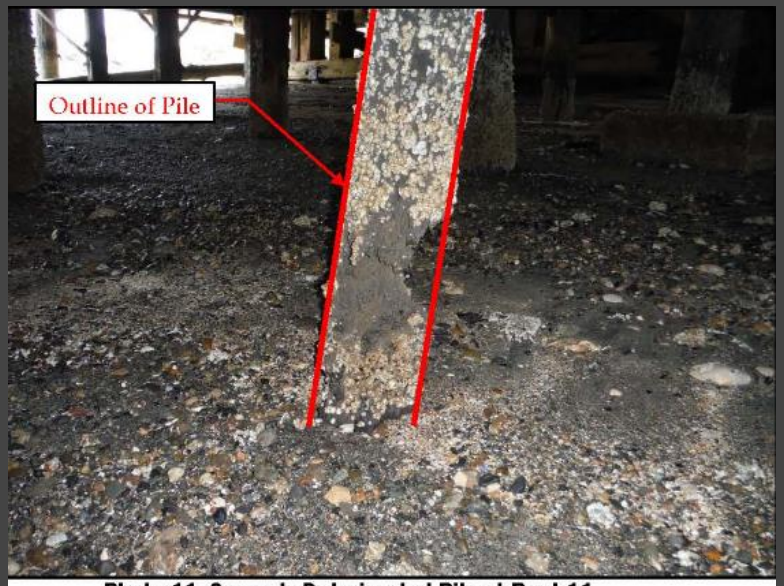


Photo 11. Severely Deteriorated Pile at Bent 11

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DECK SURFACE

2005

2011

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PROPOSED INTERIM ACTION

- Proposed by Port due to failing infrastructure
- Purpose and Environmental Benefit:
  - Opportunity for a more complete removal
  - Early source control
  - Significant reduction in over-water coverage
- Based on preliminary draft RI/FS and recent sampling

SCOPE OF INTERIM ACTION

- Limited MTCA footprint
- Upland and Sediment
- On-going shipyard operations

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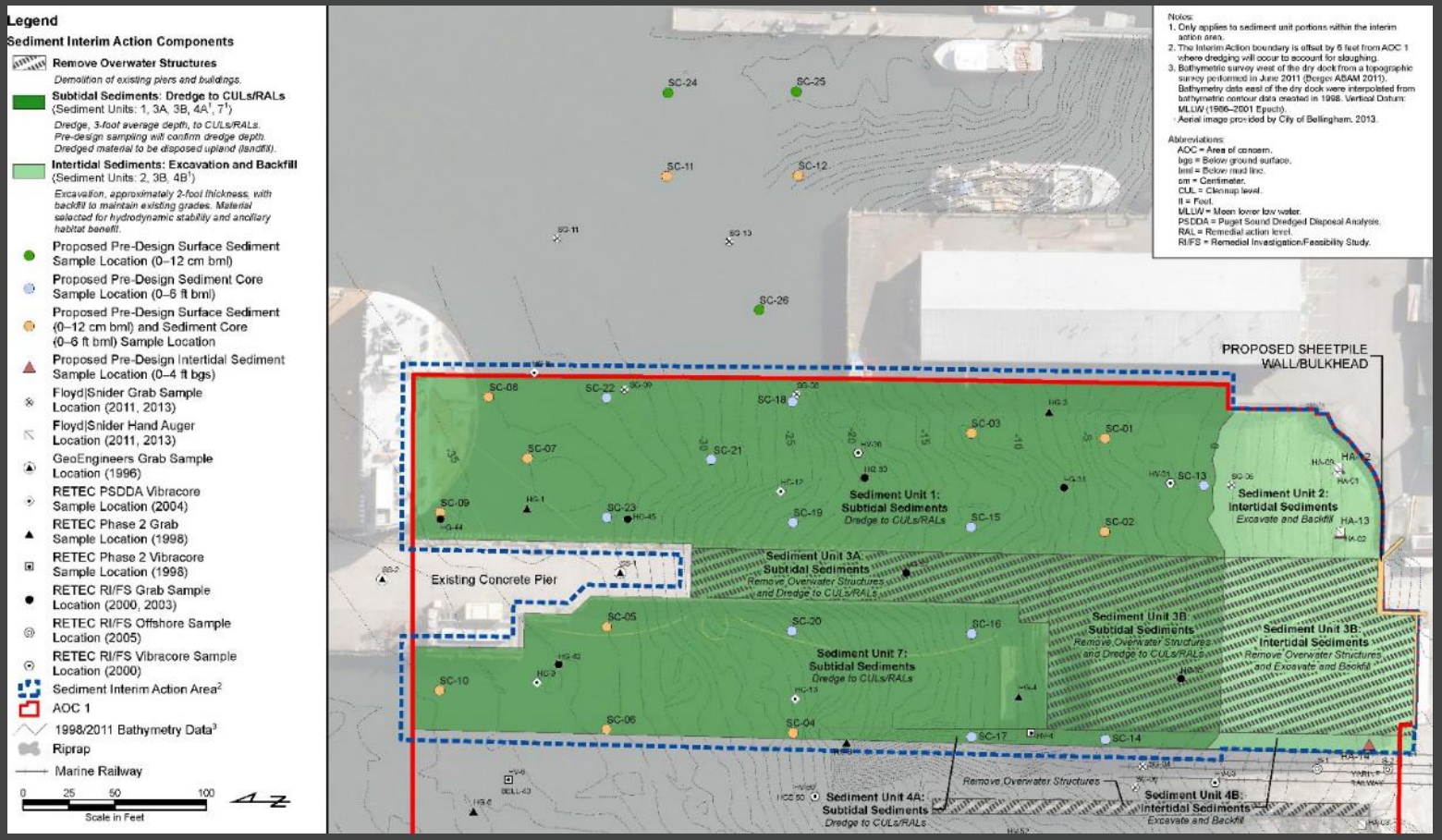
INTERIM ACTION CLEANUP GOALS

- COCs and CULs are preliminary
- Upland Contaminants:
  - Arsenic, Copper and Zinc
- Sediment Contaminants:
  - Arsenic, Copper and Zinc
  - Fluoranthene, pyrene, cPAHs and PCBs

SEDIMENT SAMPLES



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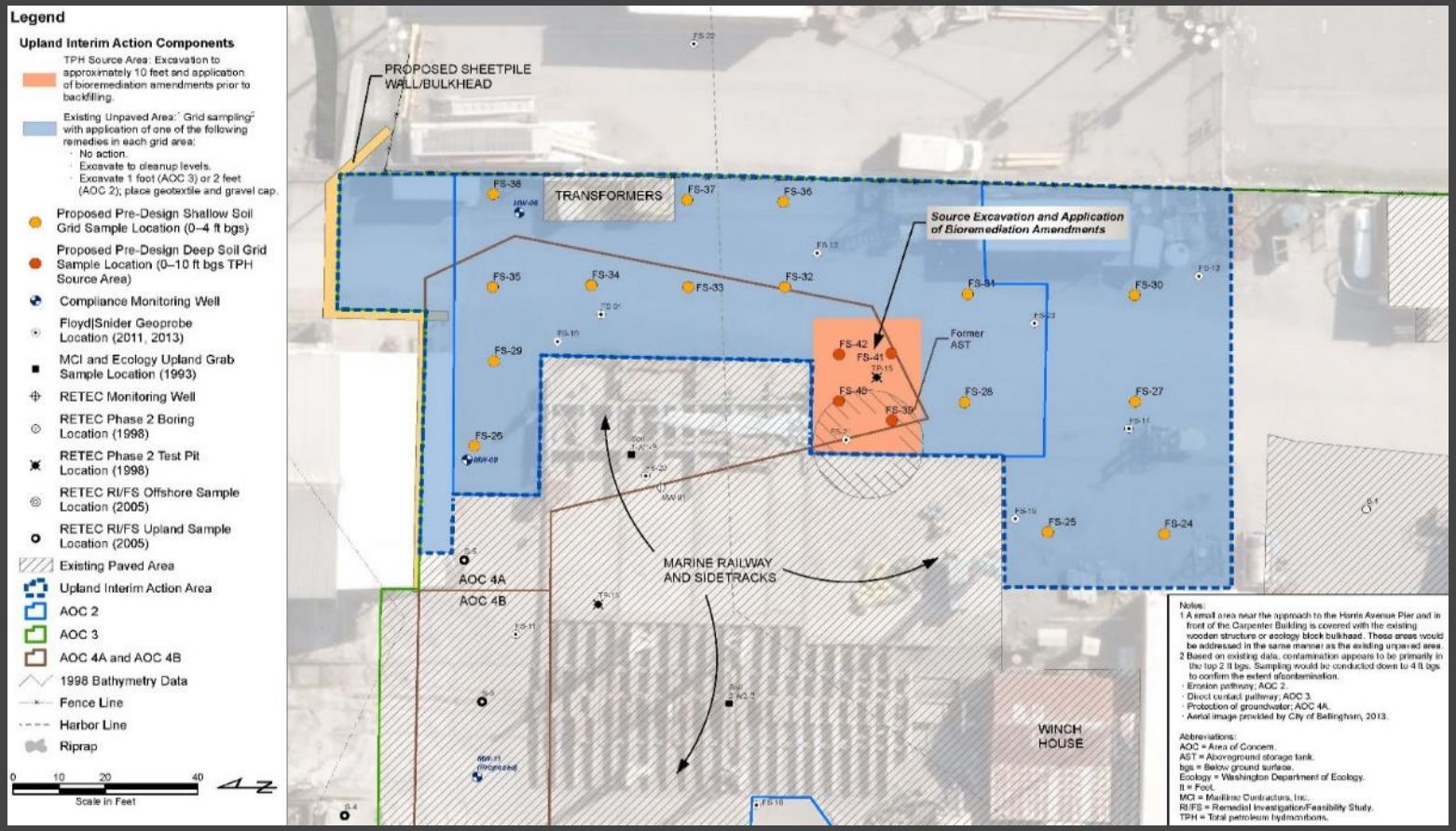
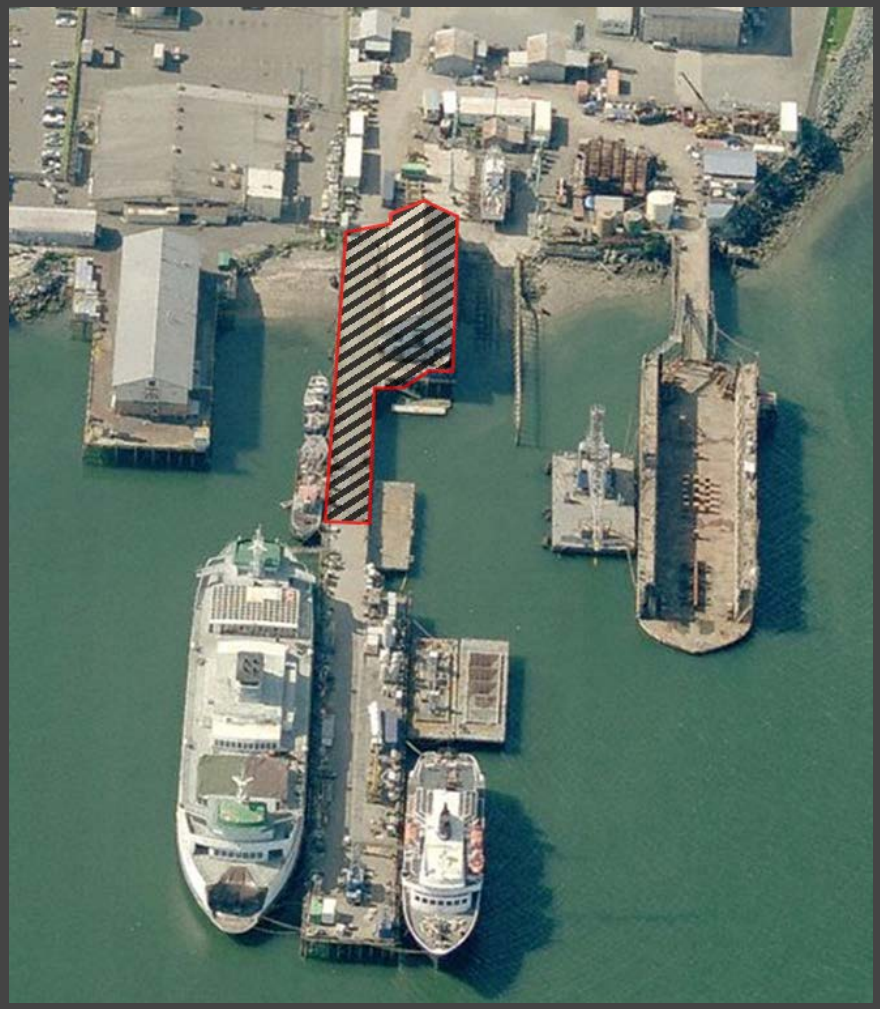
UPLAND SAMPLES



REMOVAL OF WOODEN/CREOSOTE STRUCTURES MAIN PIER AND CARPENTER SHOP



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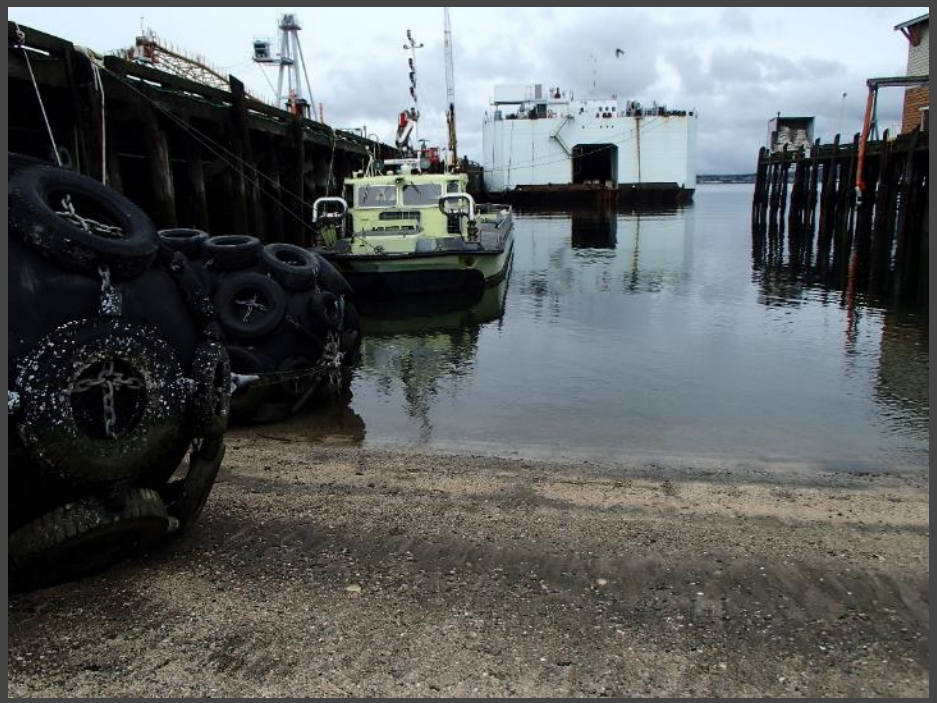
DREDGE CONTAMINATED MARINE SEDIMENTS

Photo from Vigor Shipyards

EXCAVATE AND BACKFILL INTERTIDAL AREAS



UPLAND EXCAVATION:

- Surface soils throughout Interim Action Area
- Deeper soils in former AST area

Galen Biery papers and photographs #3614
Center for Pacific Northwest Studies
Western Washington University
Bellingham, WA 98225-9123

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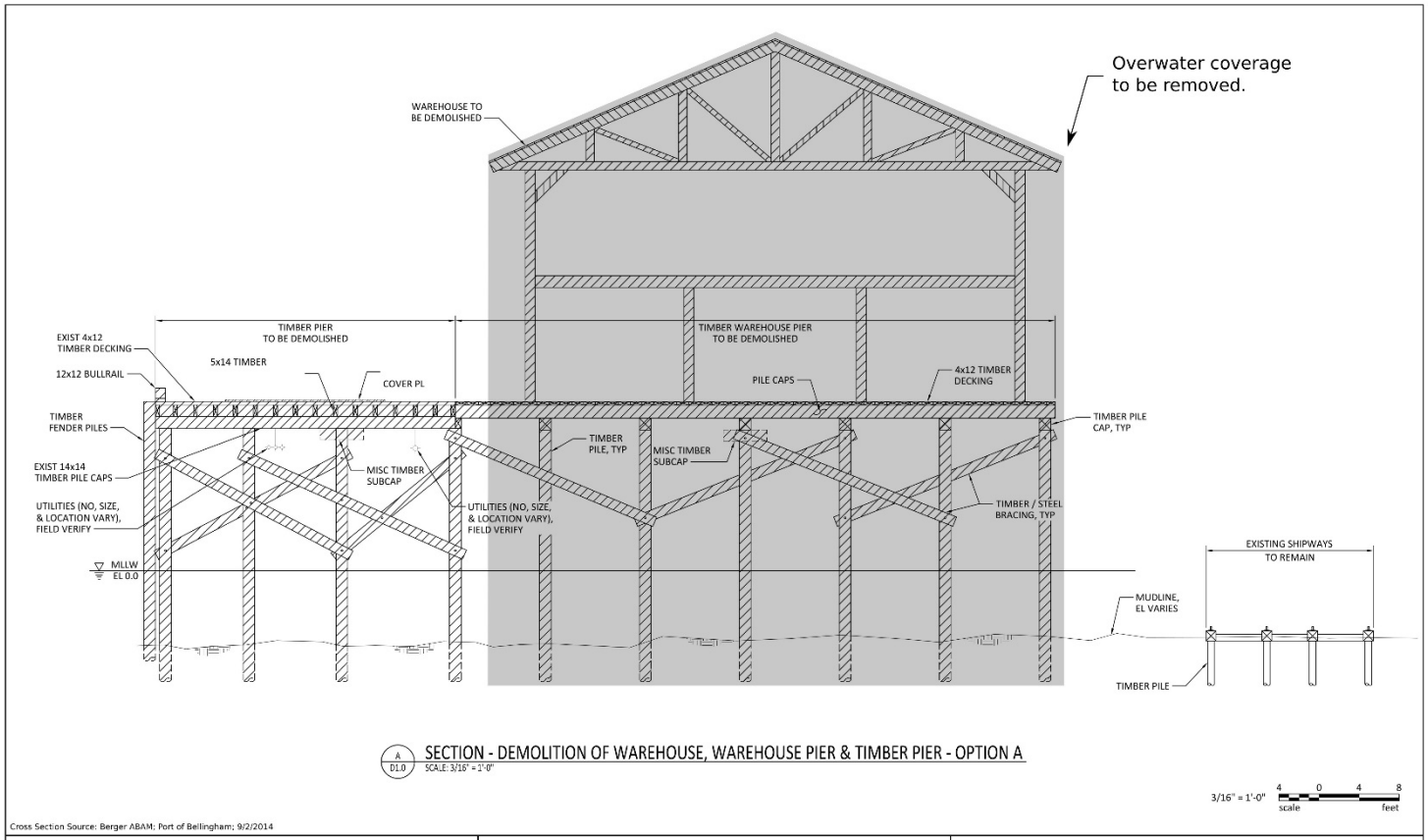
REDUCTION OF OVER WATER COVERAGE



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NEXT STEPS AND SCHEDULE

- Complete Public Review Process
- Public Comment – March 9 to April 7
  - Draft AO Amendment
  - Interim Action Work Plan
  - SEPA Threshold Determination
- Finalize AO Amendment – April/May
- Finalize Basis of Design – April/May
- Permit approvals – June/July
- Interim Action Start – July 2015
- Interim Action Complete - Sept 2016
- Draft Site-Wide RI/FS to public comment

QUESTIONS?

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ECOLOGY WANTS YOUR COMMENTS

- Document Availability
  - Ecology's Web Site
    - www.ecy.wa.gov/programs/tcp/sites
    - Search site name: Harris Avenue Shipyard
  - Document Repository
    - Bellingham Library – Main Branch
    - Ecology's Bellingham Field Office – Fairhaven
    - Ecology's Northwest Regional Office – Bellevue
- Submit Comments by April 7, 2015
  - Ecology will prepare response to comments after public comment period
  - Submit to John Guenther at jgue461@ecy.wa.gov