



US Army Corps
of Engineers
Seattle District



Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone: (206) 764-6695
ATTN: Erin Legge,
Project Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6068
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: August 31, 2016
Expiration Date: September 30, 2016
Reference No.: NWS-2015-1087
Name: Everett, Port of (Seiner Wharf
Terminal)

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the U.S. as described below and shown on the enclosed drawings dated May 20, 2016.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: Port of Everett
Attention: Brandon Whitaker
1205 Craftsman Way, Suite 200
Everett, Washington 98201

Telephone: (425) 259-3164

AGENT: Hart Crowser
Attention: Jim Shannon
190 West Dayton Street, Suite 201
Edmonds, Washington 98020

Telephone: (206) 624-1378

LOCATION: At the Seiner Wharf Terminal in the Central Marina of the Port of Everett within Port Gardner Bay in Everett, Washington.

PROJECT: The applicants propose to demolish and reconstruct the existing segment D bulkhead and wharf. In addition, two existing piers, Q and R, will have minor float sections relocated.

EXISTING CONDITIONS: The existing bulkhead is a two-tier tie-back wall system with timber piles, timber lagging, steel tie-backs (upper bulkhead) and timber tie-backs (lower bulkhead), and an unknown anchor type. The bulkhead is approximately 454 feet in length. The elevation of the top of the upper bulkhead is variable at

NWS-2015-1087, Everett, Port of (Seiner Wharf)

approximately +17 feet mean lower low water (MLLW). The elevation of the top of the lower wall is variable at approximately +9 feet, the riprap surface ranges from approximately elevation +10 feet to approximately -8 feet at the face of the wharf, and the bottom of the lower bulkhead is well below MLLW.

The existing wharf consists of 128 12-inch-diameter treated timber piles of which 104 wharf piles and 24 fender piles are to be removed. The wharf superstructure consists of 12-inch by 12-inch timber pile caps, 4-foot by 12-foot timber stringers, and 4-foot by 12-foot timber decking overlaid with asphalt paving.

WORK: Construction consists of the demolition and reconstruction of the existing segment D bulkhead and wharf. In addition, two existing docks, Q and R, need to have minor float sections relocated so that fishing vessels and Port slip holders can continue to use existing facilities during construction. The temporary float and gangway relocations at the west end/corner of Seiner Wharf would be in place for up to 10 months.

The existing bulkhead will be replaced with a new bulkhead consisting of 210 steel, cantilevered Z-sheets along the entire water frontage. The existing timber upper bulkhead will be removed in its entirety above elevation +14 feet MLLW and the existing lower timber bulkhead will be removed in its entirety above elevation +7 feet. Additional excavation and demolition of timber lagging and piles may be required for pile installation.

The new bulkhead will be installed approximately two feet north of the existing lower wall (between the existing upper and lower bulkheads). The new bulkhead will have a cast in place concrete cap placed on top that will run the entire length of the wall. The construction of the new bulkhead to the north of the existing lower bulkhead will result in a permanent loss of waters and nearshore habitat.

The existing timber wharf will be removed in its entirety (104 wharf and 24 fender timber piles). The existing wharf will be replaced with a wharf consisting of twenty-two 24-inch-diameter steel pipe piles supporting steel pile caps, timber stringers, and a timber deck. The new wharf maintains the same southern limits of the existing wharf; therefore, no new overwater coverage would be created.

For construction of both the new bulkhead and wharf, the existing intertidal and subtidal riprap in the vicinity of the new piles will be removed for pile installation and replaced after pile installation. Riprap will be maintained at a minimum 2:1 slope. All in-water work will occur within designated work windows.

PURPOSE: The purpose is to upgrade nearshore infrastructure to support future mixed use development.

MITIGATION: The applicants propose to utilize credits from the Port of Everett's nearby Union Slough Restoration Area to compensate for the placement of permanent fill in 3,498 square feet of nearshore habitat. In addition, the project will result in a 240-square-foot reduction of overwater coverage.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. After receipt of comments from this public notice, the Corps will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area.

NWS-2015-1087, Everett, Port of (Seiner Wharf)

If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

CULTURAL RESOURCES: The Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. There are no recorded historic properties within the permit area. The permit area has been so extensively disturbed by modern development that little likelihood exists for the proposed project to impinge upon an undisturbed historic property. The Corps invites responses to this public notice from Native American Tribes or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

SOURCE OF FILL MATERIAL: The applicant has not yet identified the source of the fill material. Should a permit be issued, the Corps will evaluate the fill material source prior to the start of construction.

EVALUATION – ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

NWS-2015-1087, Everett, Port of (Seiner Wharf)

ADDITIONAL EVALUATION: This proposal is the subject of Shorelines Substantial Development Permit Number SMA 15-001, being processed by the City of Everett.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

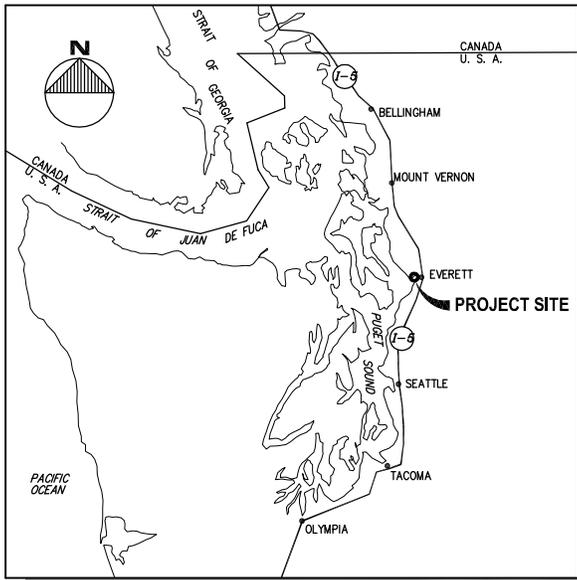
Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

CORPS COMMENTS: All e-mail comments should be sent to erin.l.legge@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Ms. Erin Legge, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7600, or e-mail to ecyrefedpermits@ecy.wa.gov.

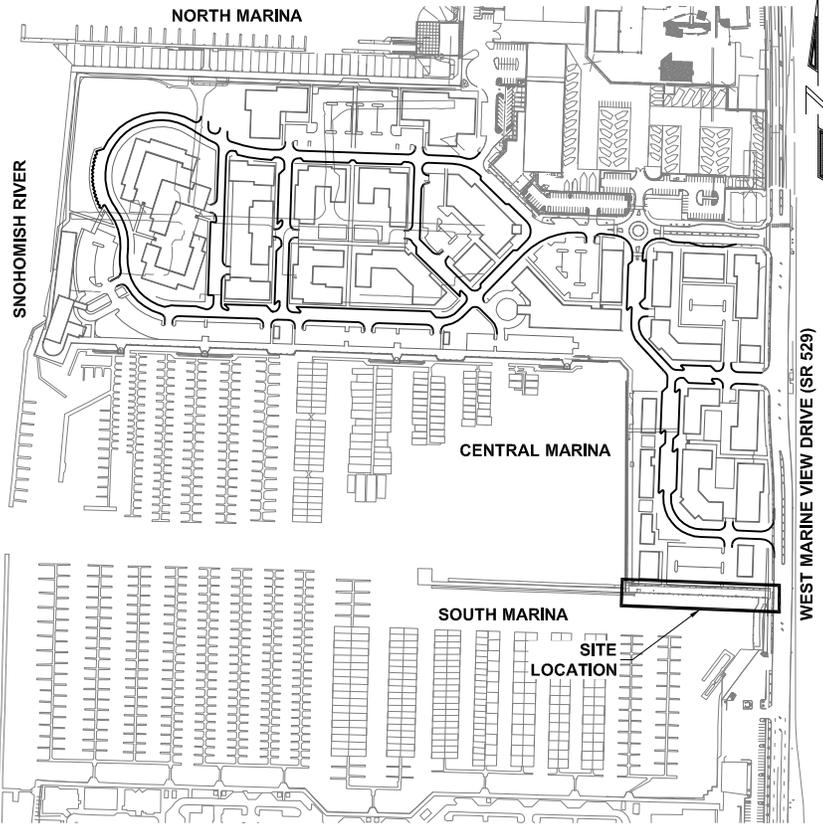
To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Port of Everett (Seiner Wharf); NWS-2015-1087

Encl: Figures (13)



LOCATION MAP

NO SCALE



VICINITY MAP

NO SCALE

SHEET TITLE	NO.
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PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
1. CITY OF EVERETT RIGHT-OF-WAY
2. U.S. NAVY

**PORT OF EVERETT
WATERFRONT PLACE CENTRAL
SEINER WHARF TERMINAL SEGMENT D
REPAIR AND CONSTRUCTION**

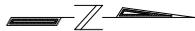
**PORT OF EVERETT
1205 CRAFTSMAN WAY, SUITE 200
EVERETT, WASHINGTON 98021**

**VICINITY AND LOCATION
MAPS AND SHEET INDEX**

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT
COUNTY OF: SNOHOMISH
STATE OF: WASHINGTON

APPLICATION BY:
PORT OF EVERETT
DATE: MAY 20, 2016
SHEET 1 OF 13

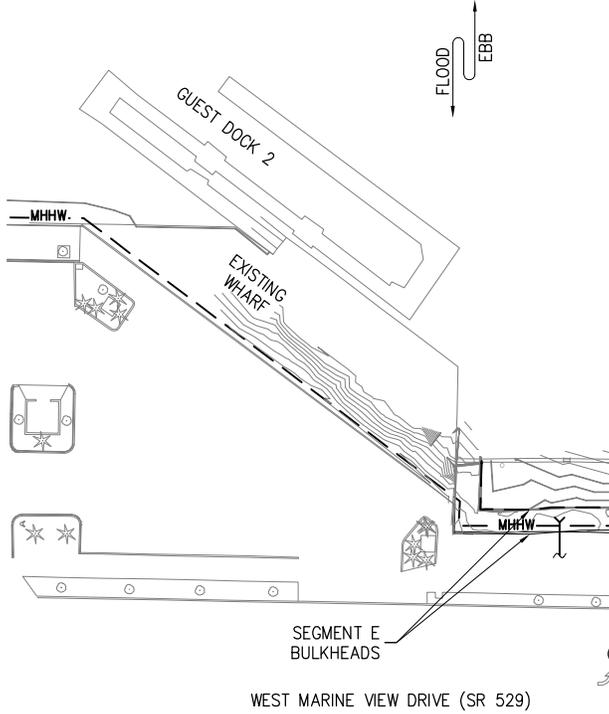
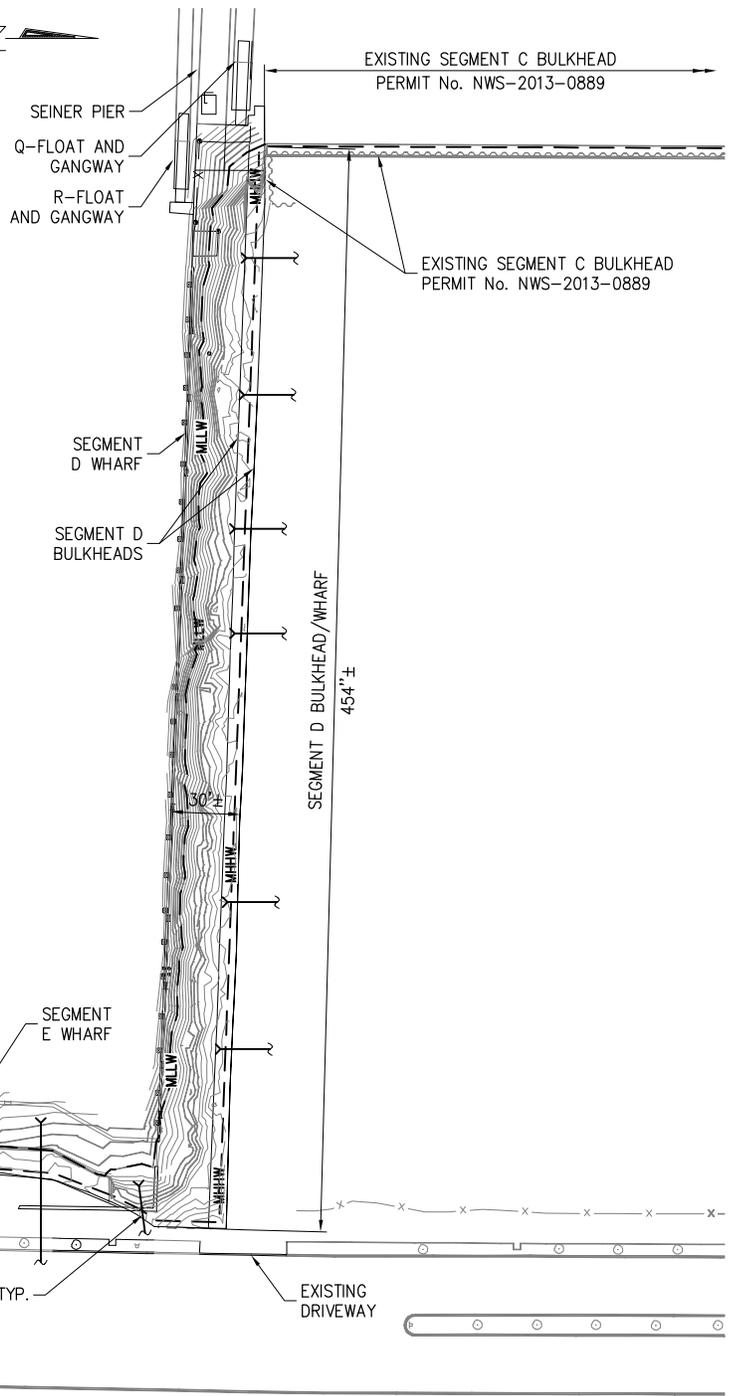


DATUM NO SCALE
 ELEVATION DATUM FOR THIS PROJECT IS 0.0' MEAN LOWER LOW WATER (MLLW)

TIDAL DATA

BASED ON NOAA'S PUBLICATION SHEET "WASHINGTON 944-7659", DATED 9/29/1988, THE RELATIONSHIP BETWEEN NGVD 1929 AND MLLW DATUMS FOR EVERETT, POSSESSION SOUND, FOR THE TIDAL EPOCH 1960-1978 IS AS FOLLOWS:

ORDINARY HIGH WATER (OHW)	+12.80'
MEAN HIGHER HIGH WATER (MHHW)	+11.11'
MEAN HIGH WATER (MHW)	+10.25'
NGVD 1929	+5.93'
MEAN LOW WATER (MLW)	+2.80'
MEAN LOWER LOW WATER (MLLW)	0.0'
LOWEST OBSERVED WATER LEVEL (6/02/77)	-3.60'
EXTREME LOW WATER (ELW)	-4.50'



PLAN



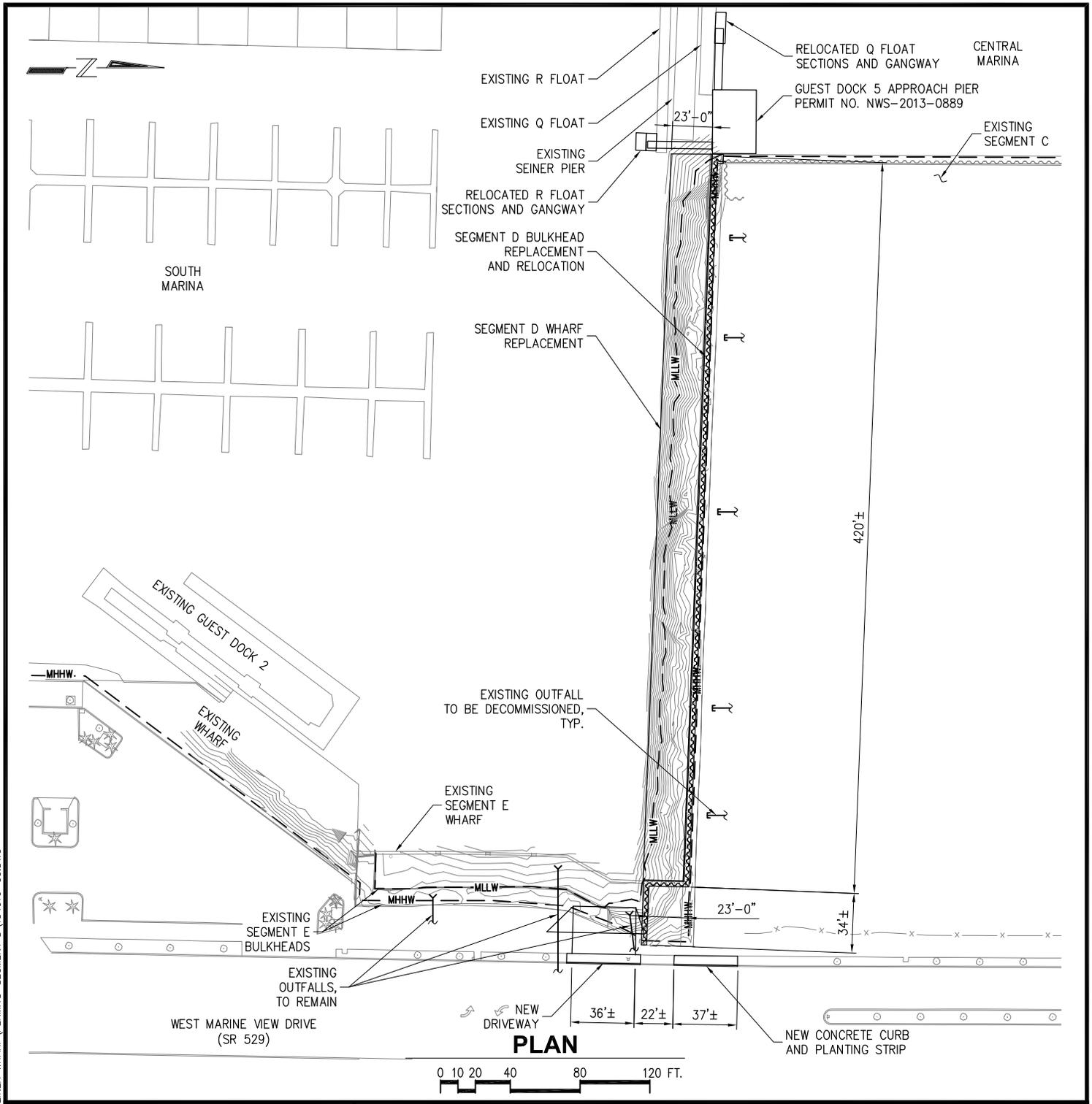
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PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.
CORP PERMIT NO: NWS-2015-01087
DATUM: 0.0' M.L.L.W.
TOWNSHIP/RANGE:
 SEC 18 TWP 29N RGE 5E
ADJACENT PROPERTY OWNERS:
 1. CITY OF EVERETT RIGHT-OF-WAY
 2. U.S. NAVY

PORT OF EVERETT
WATERFRONT PLACE CENTRAL
SEINER WHARF TERMINAL SEGMENT D
REPAIR AND CONSTRUCTION
PORT OF EVERETT
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 EVERETT, WASHINGTON 98021
EXISTING SITE PLAN AND TIDAL DATA

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AT: PORT OF EVERETT
COUNTY OF: SNOHOMISH
STATE OF: WASHINGTON
APPLICATION BY:
 PORT OF EVERETT
DATE: MAY 20, 2016
SHEET 2 OF 13

5/24/16 K:\2015\154016 - PORT OF EVERETT\002.01 - WPC SEINER WHARF PERMITS-SEGMENT D\154016-03.DWG



PLAN

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.
CORP PERMIT NO: NWS-2015-01087
DATUM: 0.0' M.L.L.W.
TOWNSHIP/RANGE: SEC 18 TWP 29N RGE 5E
ADJACENT PROPERTY OWNERS:
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**PORT OF EVERETT
 WATERFRONT PLACE CENTRAL
 SEINER WHARF TERMINAL SEGMENT D
 REPAIR AND CONSTRUCTION**

**PORT OF EVERETT
 1205 CRAFTSMAN WAY, SUITE 200
 EVERETT, WASHINGTON 98021**

PROPOSED CONDITIONS SITE PLAN

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.
AT: PORT OF EVERETT
COUNTY OF: SNOHOMISH
STATE OF: WASHINGTON
APPLICATION BY: PORT OF EVERETT
DATE: MAY 20, 2016
SHEET 3 OF 13

#	ELEMENT DESCRIPTION	PROPOSED DEMOLITION	PROPOSED IMPROVEMENT
①	EXISTING SEGMENT C BULKHEAD	PROTECT IN PLACE	N/A
②	EXISTING SEGMENT D UPPER BULKHEAD	DEMOLISH 430 LF OF CREOSOTE TREATED TIMBER BULKHEAD ABOVE ELEVATION + 14.0 FEET (SEE SHEET 5)	SEE ELEMENT ④
③	EXISTING SEGMENT D LOWER BULKHEAD	DEMOLISH 454 LF OF CREOSOTE TREATED TIMBER BULKHEAD ABOVE ELEVATION + 7.0 FEET (SEE SHEET 5)	SEE ELEMENT ④
④	SEGMENT D BULKHEAD REPLACEMENT AND RELOCATED	N/A	477 LF OF RELOCATED STEEL BULKHEAD
⑤	SEGMENT D WHARF REPLACEMENT	REMOVE 13,900 SF OF OVERWATER STRUCTURE AND DECKING AND (104) 12" DIA. CREOSOTE TREATED TIMBER PILES (SEE SHEET 5)	REPLACE WITH 10,000 SF OF OVERWATER STRUCTURE AND DECKING AND (22) 24" DIA. STEEL PILES
⑥	SEGMENT D FENDER PILE	REMOVE (24) 12" DIA. CREOSOTE TREATED TIMBER PILES	N/A

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
1. CITY OF EVERETT RIGHT-OF-WAY
2. U.S. NAVY

**PORT OF EVERETT
WATERFRONT PLACE CENTRAL
SEINER WHARF TERMINAL SEGMENT D
REPAIR AND CONSTRUCTION**

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EVERETT, WASHINGTON 98021**

PROJECT ELEMENTS SCHEDULE

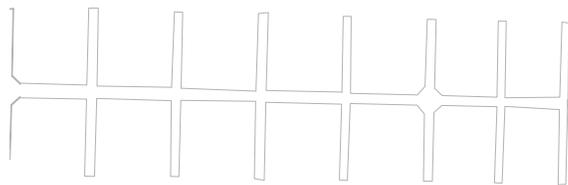
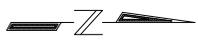
IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT
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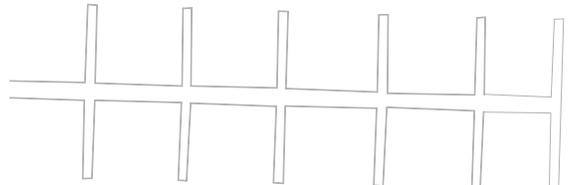
APPLICATION BY:
PORT OF EVERETT

DATE: MAY 20, 2016

SHEET 4 OF 13



SOUTH MARINA



Q FLOAT TO BE RECONFIGURED.
Q-FLOAT GANGWAY TO BE RELOCATED

SEINER PIER TO REMAIN

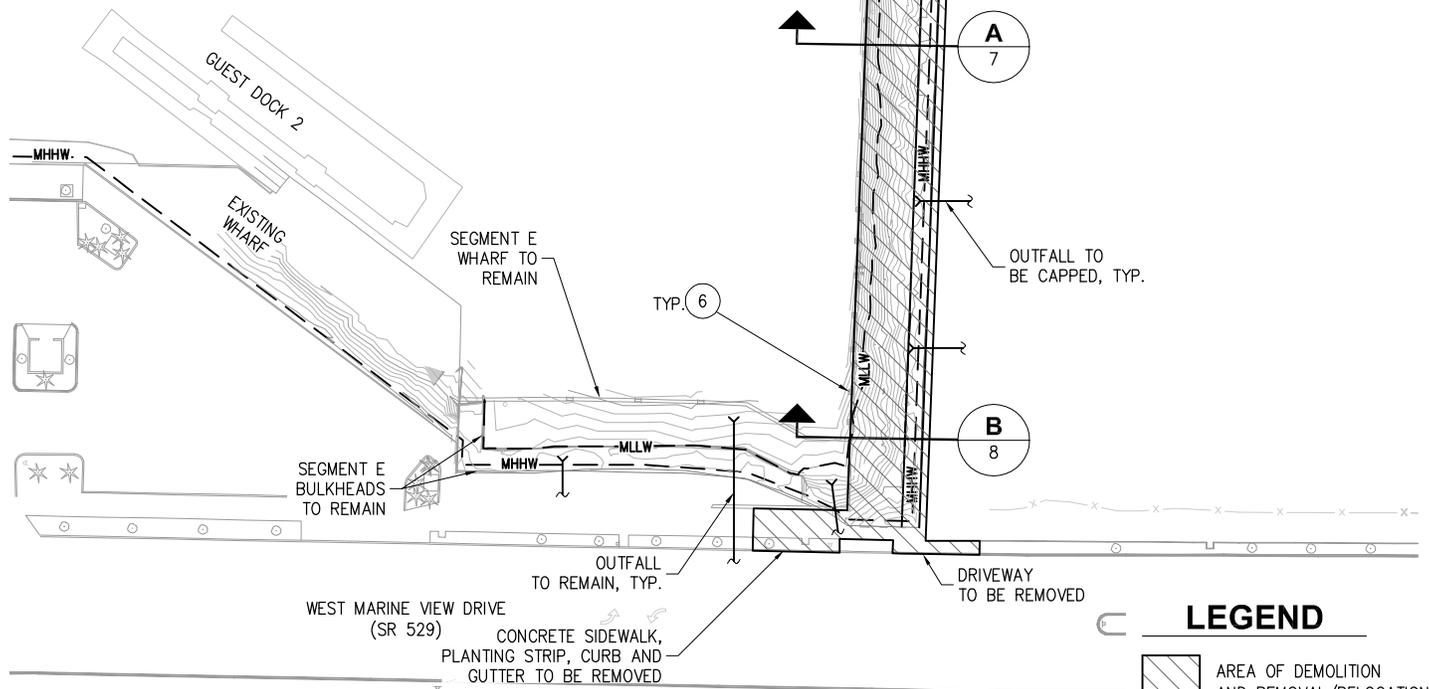
R FLOAT TO BE RECONFIGURED.
R-FLOAT GANGWAY TO BE RELOCATED

CENTRAL MARINA

SEGMENT C TO REMAIN

#	ELEMENT DESCRIPTION
①	EXISTING SEGMENT C BULKHEAD
②	EXISTING SEGMENT D UPPER BULKHEAD
③	EXISTING SEGMENT D LOWER BULKHEAD
⑤	SEGMENT D WHARF REPLACEMENT
⑥	SEGMENT D FENDER PILE

REFER TO SHEET 4 FOR PROPOSED DEMOLITION AND/OR IMPROVEMENTS.



PLAN



LEGEND

AREA OF DEMOLITION AND REMOVAL/RELOCATION

PROJECT ELEMENT

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
1. CITY OF EVERETT RIGHT-OF-WAY
2. U.S. NAVY

**PORT OF EVERETT
WATERFRONT PLACE CENTRAL
SEINER WHARF TERMINAL SEGMENT D
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DEMOLITION PLAN

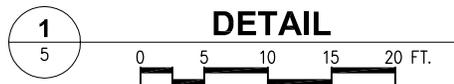
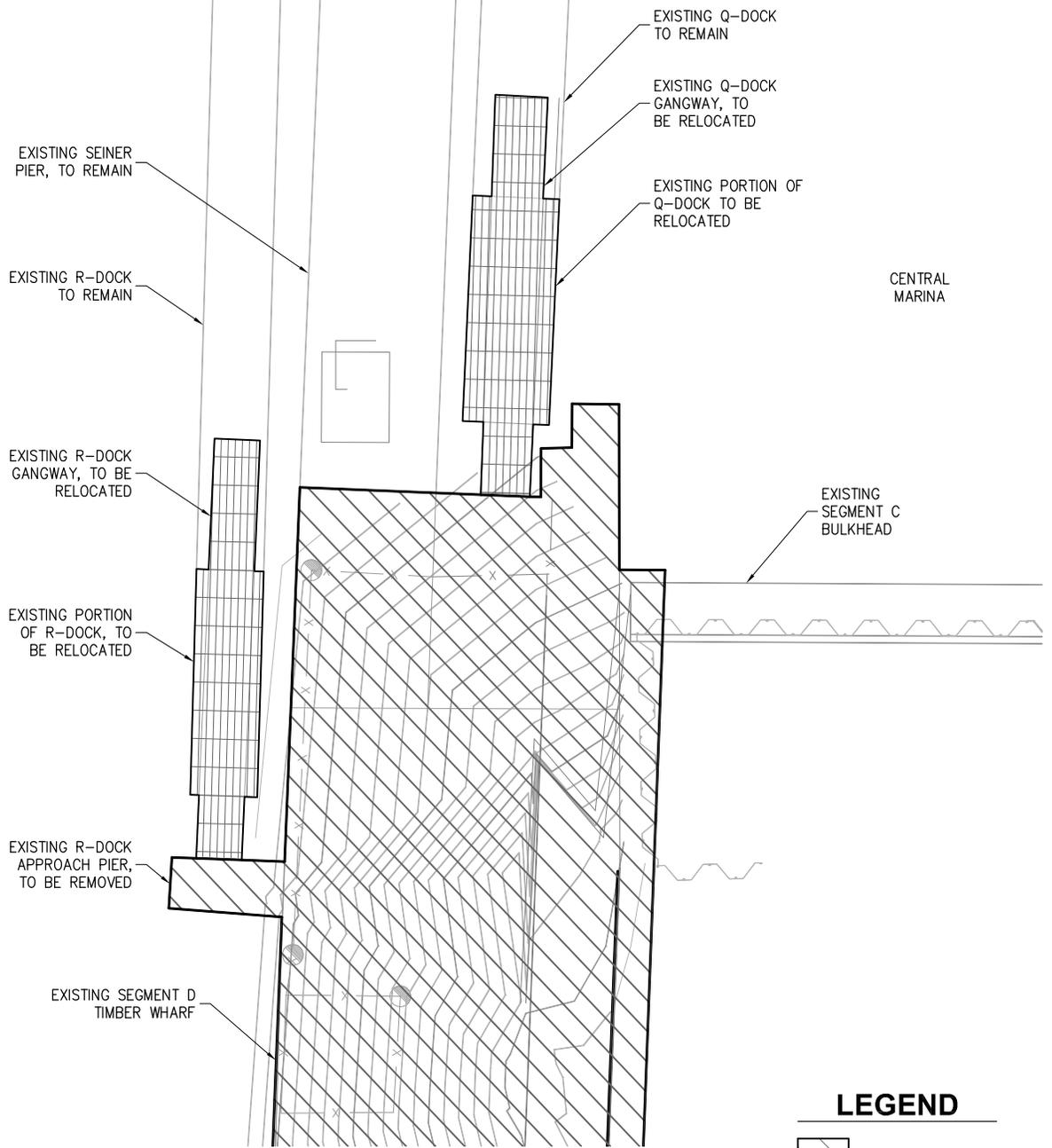
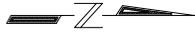
IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT
COUNTY OF: SNOHOMISH
STATE OF: WASHINGTON
APPLICATION BY:
PORT OF EVERETT

DATE: MAY 20, 2016

SHEET 5 OF 13

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LEGEND

	AREA OF DEMOLITION
	AREA REMOVAL/RELOCATION

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
SEC 18 TWP 29N RGE 5E

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**PORT OF EVERETT
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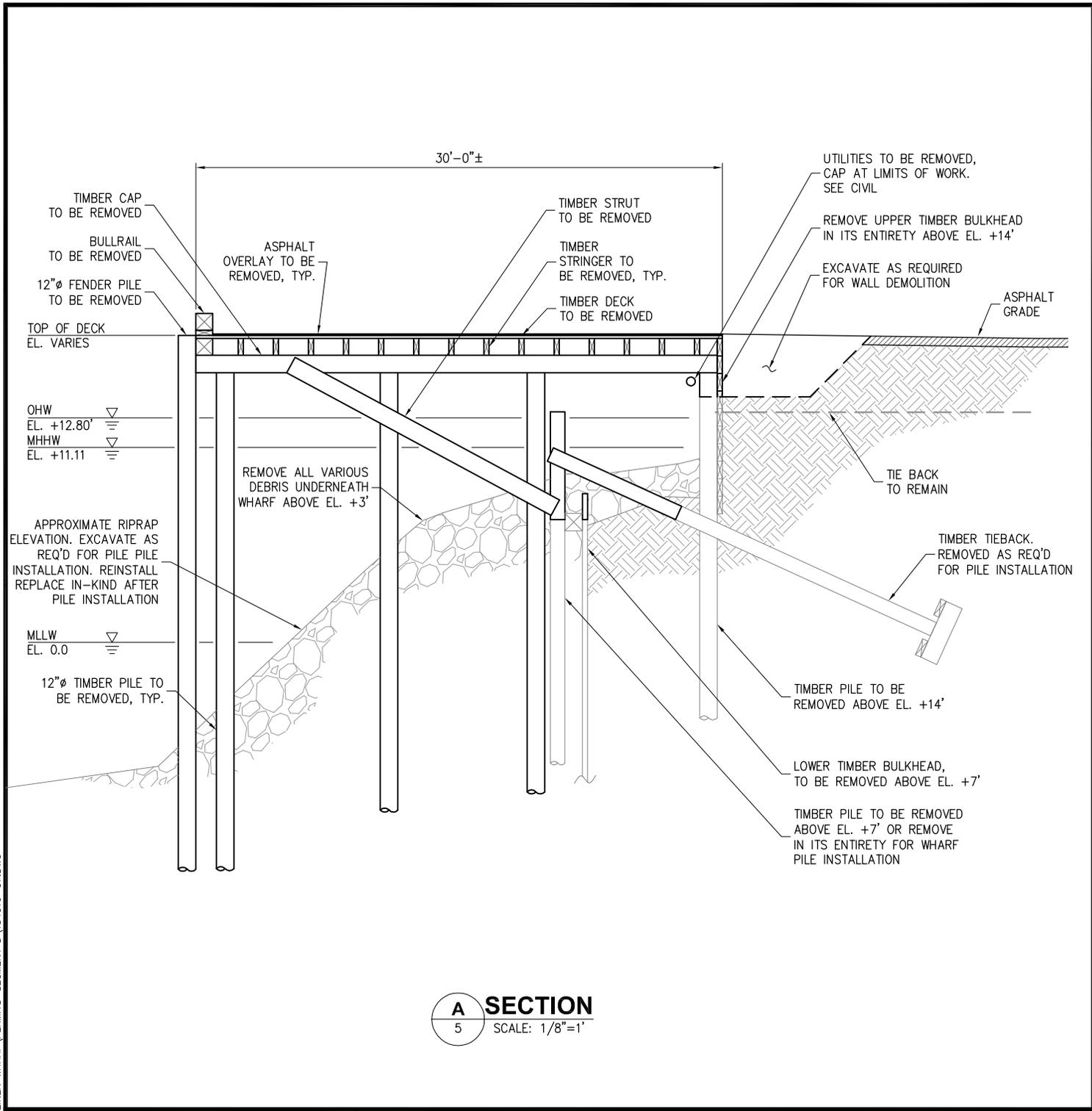
DEMOLITION PLAN

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT
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APPLICATION BY:
PORT OF EVERETT
DATE: MAY 20, 2016

SHEET 6 OF 13



A SECTION
5 SCALE: 1/8"=1'

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE: SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
1. CITY OF EVERETT RIGHT-OF-WAY
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PORT OF EVERETT
WATERFRONT PLACE CENTRAL
SEINER WHARF TERMINAL SEGMENT D
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PORT OF EVERETT
1205 CRAFTSMAN WAY, SUITE 200
EVERETT, WASHINGTON 98021

DEMOLITION SECTION

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT

COUNTY OF: SNOHOMISH

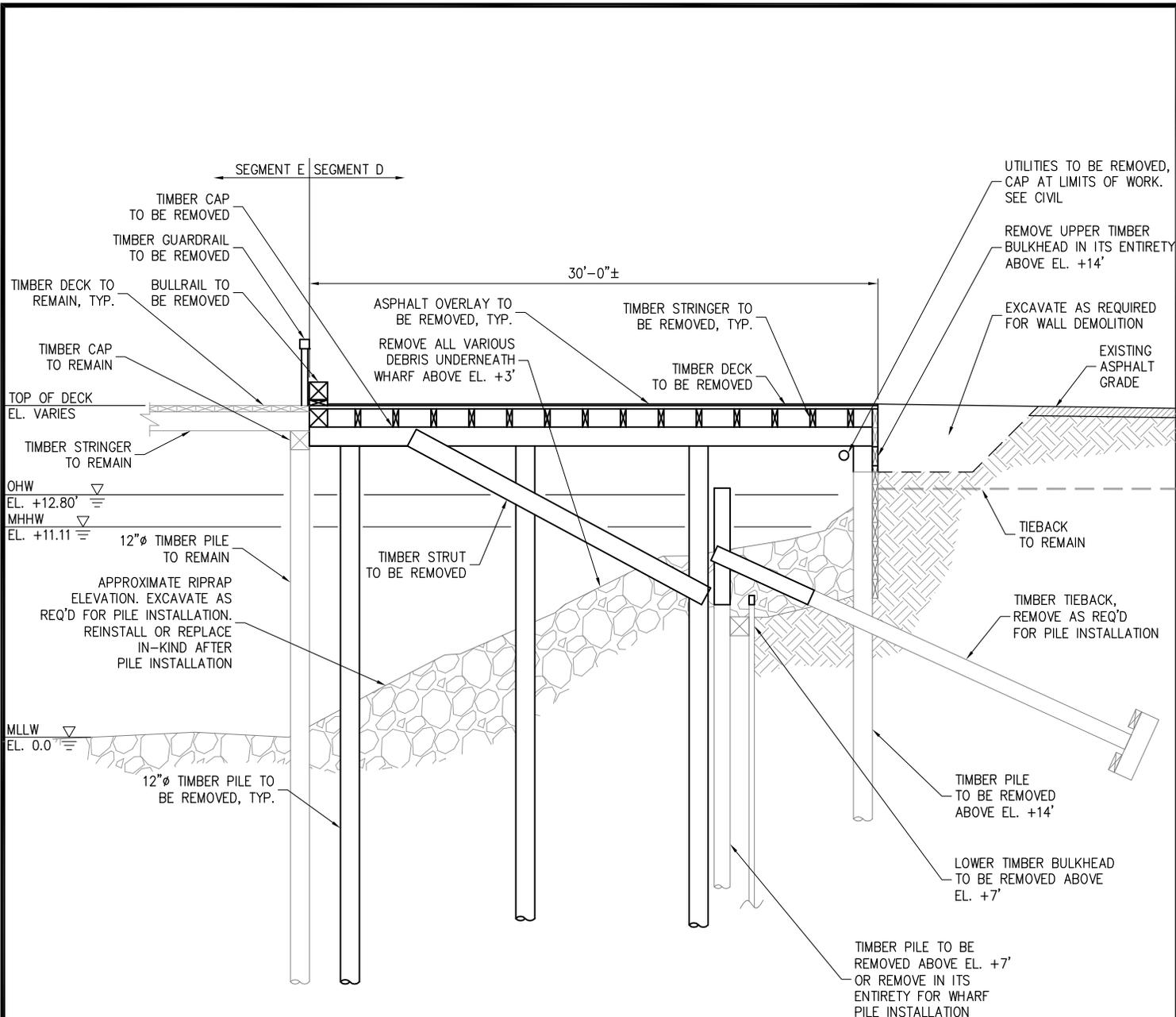
STATE OF: WASHINGTON

APPLICATION BY: PORT OF EVERETT

DATE: MAY 20, 2016

SHEET 7 OF 13

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B SECTION
5 SCALE: 1/8"=1'

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE: SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
1. CITY OF EVERETT RIGHT-OF-WAY
2. U.S. NAVY

PORT OF EVERETT
WATERFRONT PLACE CENTRAL
SEINER WHARF TERMINAL SEGMENT D
REPAIR AND CONSTRUCTION

PORT OF EVERETT
1205 CRAFTSMAN WAY, SUITE 200
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DEMOLITION SECTION

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT

COUNTY OF: SNOHOMISH

STATE OF: WASHINGTON

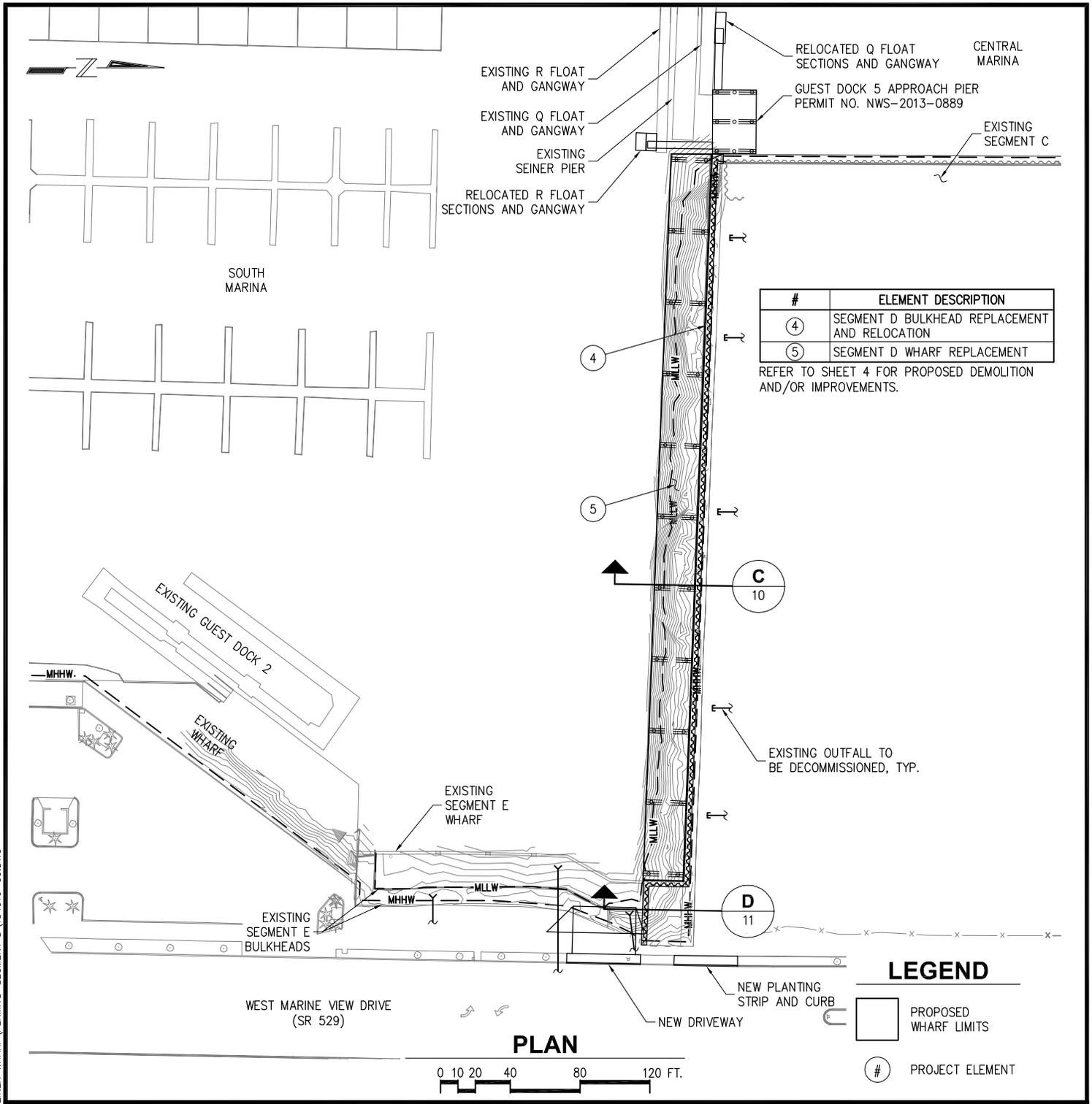
APPLICATION BY: PORT OF EVERETT

DATE: MAY 20, 2016

SHEET 8 OF 13

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PLAN



LEGEND

- PROPOSED WHARF LIMITS
- PROJECT ELEMENT

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.
CORP PERMIT NO: NWS-2015-01087
DATUM: 0.0' M.L.L.W.
TOWNSHIP/RANGE: SEC 18 TWP 29N RGE 5E
ADJACENT PROPERTY OWNERS:
 1. CITY OF EVERETT RIGHT-OF-WAY
 2. U.S. NAVY

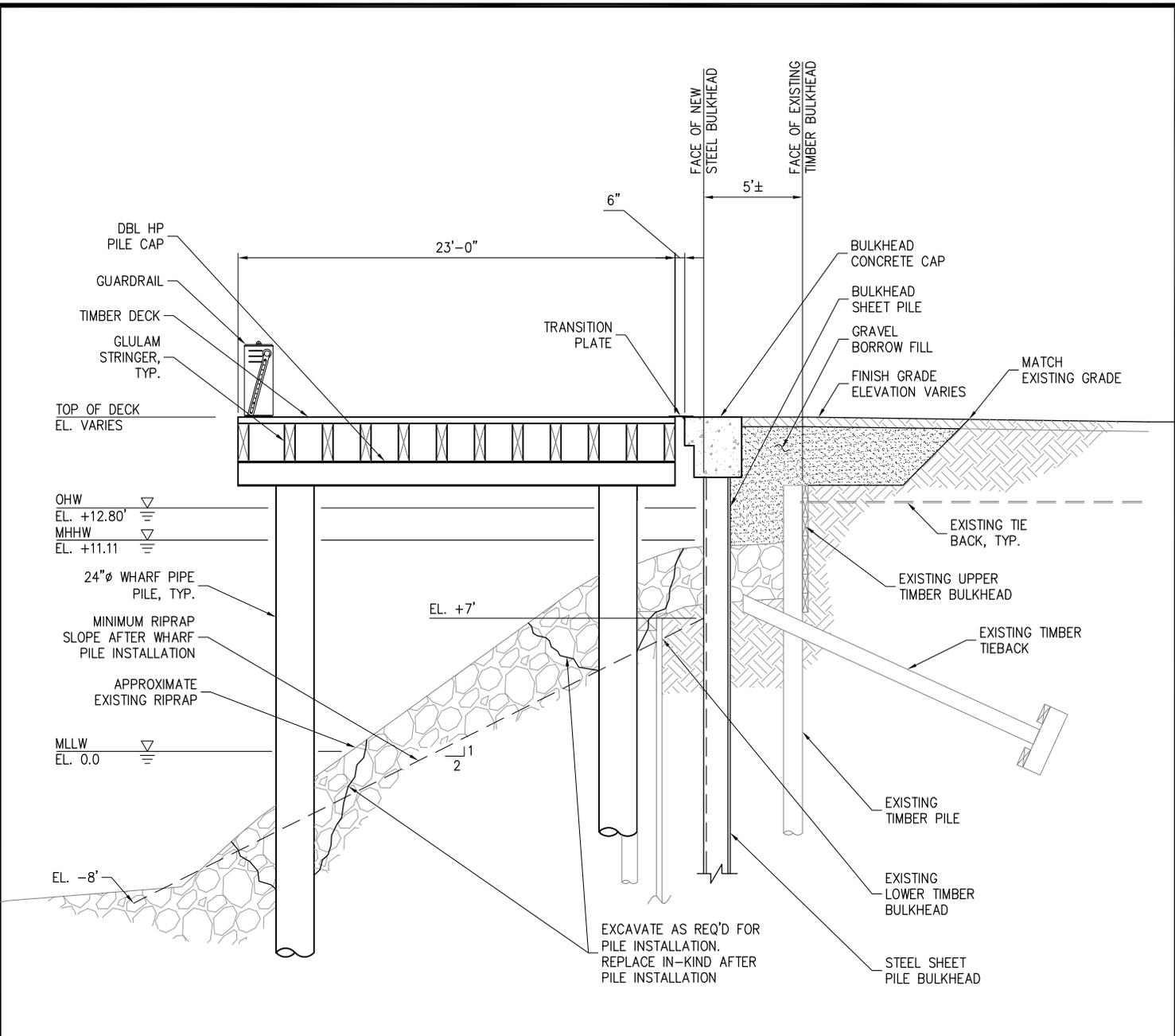
**PORT OF EVERETT
 WATERFRONT PLACE CENTRAL
 SEINER WHARF TERMINAL SEGMENT D
 REPAIR AND CONSTRUCTION**

**PORT OF EVERETT
 1205 CRAFTSMAN WAY, SUITE 200
 EVERETT, WASHINGTON 98021**

PROPOSED PLAN

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.
AT: PORT OF EVERETT
COUNTY OF: SNOHOMISH
STATE OF: WASHINGTON
APPLICATION BY: PORT OF EVERETT
DATE: MAY 20, 2016
SHEET 9 OF 13

5/24/16 K:\2015\154016 - PORT OF EVERETT\002.01 - WPC SEINER WHARF\PERMITS-SEGMENT D\154016-10.DWG



c SECTION
9 SCALE: 1/8"=1'

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.
CORP PERMIT NO: NWS-2015-01087
DATUM: 0.0' M.L.L.W.
TOWNSHIP/RANGE:
 SEC 18 TWP 29N RGE 5E
ADJACENT PROPERTY OWNERS:
 1. CITY OF EVERETT RIGHT-OF-WAY
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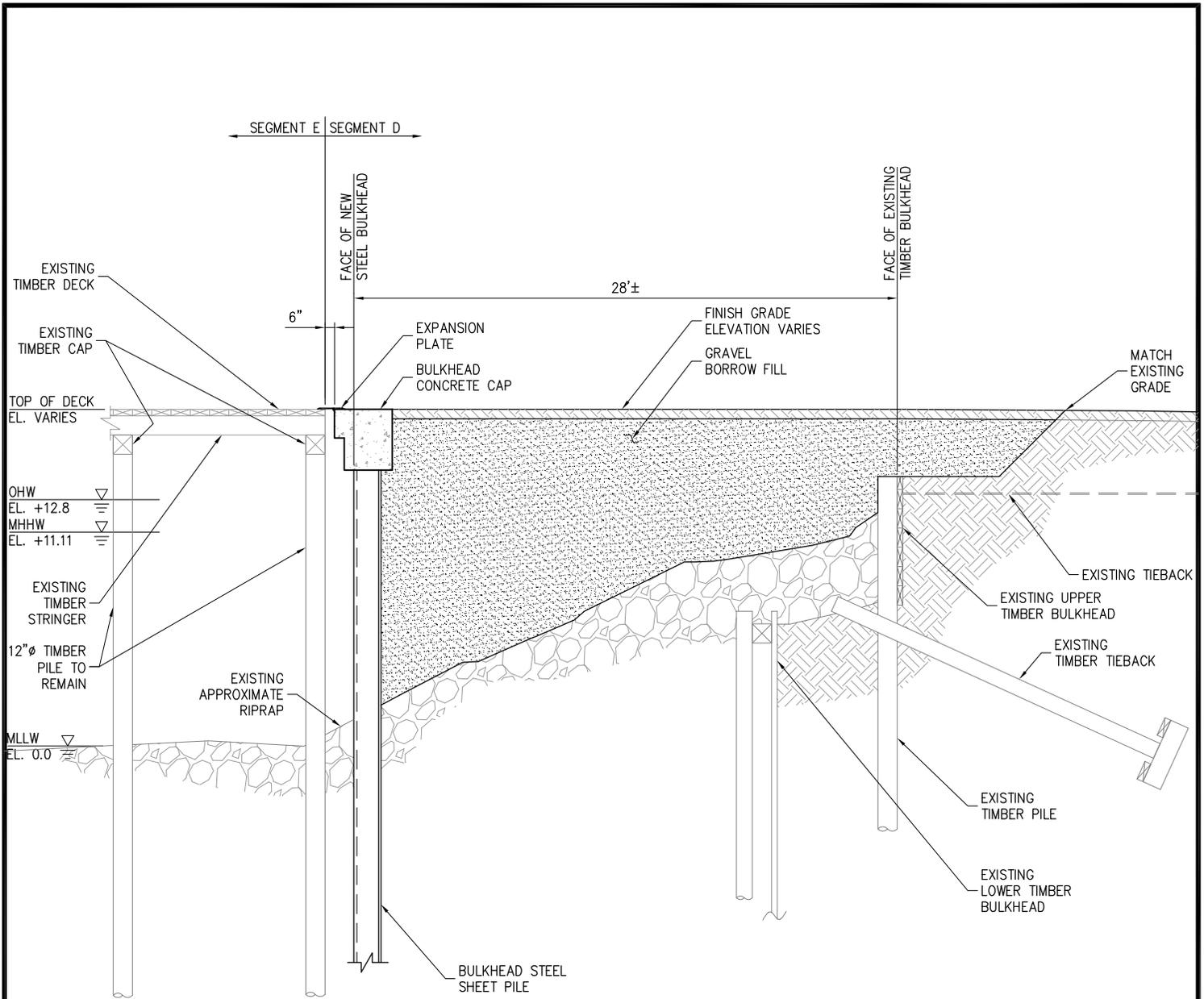
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PROPOSED SECTION

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AT: PORT OF EVERETT
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STATE OF: WASHINGTON
APPLICATION BY:
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DATE: MAY 20, 2016
SHEET 10 OF 13

5/24/16 K:\2015\154016 - PORT OF EVERETT\002.01 - WPC SEINER WHARF PERMITS-SEGMENT D\154016-11.DWG



NOTE:
ALL ELEMENTS ARE NEW
UNLESS OTHERWISE NOTED.

D SECTION
9 SCALE: 1/8"=1'

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
1. CITY OF EVERETT RIGHT-OF-WAY
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**PORT OF EVERETT
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PROPOSED SECTION

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

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SHEET 11 OF 13

NET AREA GAIN IN BENTHIC HABITAT FROM PILE REMOVAL

PROJECT ELEMENT	EXISTING PILES TO BE REMOVED (1) (2)		PROPOSED PILES (2)		NET AREA GAIN	
	NO. PILES	SF	NO. PILES	SF	NO. PILES	SF
SEGMENT D BULKHEAD	0	0	0	0	0	0
SEGMENT D WHARF	104	82	22	69	82	13
SEGMENT D FENDERS	24	19	0	0	24	19
TOTAL	128	101	22	69	106	32

(1) EXISTING BULKHEAD PILES INLINE WITH WHARF PILE BENTS AND/OR SUPPORTING WHARF PILE CAPS ARE CLASSIFIED AS EXISTING WHARF ELEMENTS.
(2) REFER TO SHEET 4 FOR PILE MATERIALS AND SIZES.

NET AREA CONVERSION FROM OVERWATER COVERAGE INCLUDING AFFECTED WATERS OF THE STATE

PROJECT ELEMENT	EXISTING OVERWATER COVERAGE TO BE DEMOLISHED AND REPLACED (1)	CONVERSION OF COVERAGE AREA AS A RESULT OF FILLING WATERS OF THE STATE (2)	TOTAL PROPOSED OVERWATER COVERAGE	NET CHANGE IN OVERWATER COVERAGE (3)
	I (SF)	II (SF)	III (SF)	IV = (II+III-I) (SF)
WHARF AND BULKHEAD	13900	3530	10000	-370
RELOCATED Q FLOAT	180	0	225	45
RELOCATED R FLOAT	140	0	225	85
TOTAL	14220	3530	10450	-240

(1) ALL EXISTING OVERWATER COVERAGE TO BE DEMOLISHED.
(2) INCREASE OR DECREASE RESULTS FROM THE LOCATION OF THE REPLACEMENT BULKHEAD. CALCULATIONS OF FILL OR EXCAVATION IS PROVIDED IN A SEPARATE TABLE.
(3) POSITIVE AND NEGATIVE SQUARE FOOTAGE MEASURES NET INCREASE AND DECREASE IN WATERS OF THE STATE, RESPECTIVELY.

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
SEC 18 TWP 29N RGE 5E

ADJACENT PROPERTY OWNERS:
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**PILE AND OVERWATER
COVERAGE TABLE**

IN: PORT OF EVERETT SEINER WHARF ADJACENT TO THE SNOHOMISH RIVER CHANNEL.

AT: PORT OF EVERETT
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APPLICATION BY:
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DATE: MAY 20, 2016
SHEET 12 OF 13

EXCAVATION AND BACKFILL VOLUMES				
	EXCAVATED VOLUME		BACKFILL VOLUME	
	BEHIND EXISTING BULKHEAD (CY) (1)	IN FRONT EXISTING BULKHEAD (CY) (1)	BEHIND PROPOSED BULKHEAD (CY) (2)	IN FRONT PROPOSED BULKHEAD (CY) (2)
PROJECT ELEMENT	392	1000	1228	1000
(1) PROPOSED EXCAVATED VOLUMES REQUIRED FOR EXISTING BULKHEAD REMOVAL AND NEW BULKHEAD INSTALLATION				
(2) PROPOSED BACKFILL VOLUMES AFTER NEW BULKHEAD INSTALLATION				

NET AREA CONVERSION OF WATERS OF THE STATE FROM EXCAVATION/FILL	
PROJECT ELEMENT	OVERWATER COVERAGE TO WATERS OF THE STATE (SF) (1)
BULKHEAD FILL	-3530
PILE REMOVAL	32
TOTAL	-3498
(1) POSITIVE AND NEGATIVE SQUARE FOOTAGE MEASURES NET GAIN AND LOSS IN WATERS OF THE STATE DUE TO EXCAVATION AND FILL BELOW OHW, RESPECTIVELY.	

PURPOSE: DEMOLITION AND REPLACEMENT OF EXISTING BULKHEAD AND WHARF.

CORP PERMIT NO: NWS-2015-01087

DATUM: 0.0' M.L.L.W.

TOWNSHIP/RANGE:
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**EXCAVATION AND
BACKFILL VOLUMES**

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