



US Army Corps
of Engineers
Seattle District



Joint Public Notice

Application for Department of the Army Permit and Washington Department of Ecology Water Quality Certification and Release of NEPA Draft Environmental Impact Statement

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone: (206) 316-3048
ATTN: Danette L. Guy,
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: September 30, 2016
Expiration Date: November 29, 2016

Reference No.: NWS-2010-1225
Name: Millennium Bulk Terminals–
Longview, LLC

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps), Seattle District, Regulatory Branch and the Washington State Department of Ecology (Ecology) have received an application from Millennium Bulk Terminals–Longview, LLC (MBTL), to construct and operate a shipping terminal to export coal. With this public notice, the Corps and Ecology are seeking comments on this permit application. Elements of the proposed project are described below and shown on the enclosed drawings dated July 13, 2016. The project would involve activities in waters of the U.S. subject to regulation by the Corps under its Department of the Army (DA) permit authority. 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 and applicable provisions of State water pollution control laws.

With this public notice, the Corps is also announcing the availability of the National Environmental Policy Act (NEPA) Draft Environmental Impact Statement (EIS) for public review and comment. The Corps previously determined the proposed shipping terminal could have significant individual and/or cumulative impact on the human environment and, on July 13, 2012, decided to prepare an EIS pursuant to the NEPA. In September 2013, three agencies – the Corps, Ecology, and Cowlitz County Department of Building and Planning – agreed to coordinate preparation of two EISs: one to meet the requirements of NEPA and another to meet the requirements of Washington’s State Environmental Policy Act (SEPA). Five joint public scoping meetings were held in September and October 2013, and public comments accepted during the EIS scoping period. The three co-lead agencies have been directing the efforts of a third-party contractor, ICF International, to prepare the two EISs. The SEPA Draft EIS was released for public comment on April 29, 2016. Additional information is available at www.millenniumbulkeiswa.gov.

To facilitate public review of this proposal, the Corps is extending its normal comment period. Comments on both the Department of the Army permit application and NEPA Draft EIS will be accepted through November 29, 2016.

Comments on the NEPA Draft EIS may be submitted to the Corps either by mail, online, or at one of two scheduled public hearings. Comments may be submitted by mail or online at the following addresses:

By mail: Millennium Bulk Terminals–Longview NEPA EIS
c/o ICF International
710 Second Avenue, Suite 550
Seattle, Washington 98104

Online: <http://www.millenniumbulkeiswa.gov/submit-comments.html>

Those wishing to comment on the Draft EIS in person may attend one of two public hearings scheduled to be held in Longview and Vancouver. Hearings will include an open house, with staff available to answer questions, and public testimony during which the Corps will accept oral public comments. Please see the public hearing section below for additional information.

NWS-2010-1225; Millennium Bulk Terminals–Longview, LLC

Comments on the permit application should reference “NWS-2010-1225” and may be submitted either by e-mail or conventional mail. E-mail comments should be submitted to NWS.MBTL@usace.army.mil. Comments may be submitted by conventional mail to:

U.S. Army Corps of Engineers, Seattle District
Regulatory Branch, CENWS-OD-RG
Attention: Ms. Danette L. Guy
2108 Grand Boulevard
Vancouver, Washington 98661

The Corps will review and consider all comments submitted during the public comment period regardless of mode of submittal.

APPLICANT: Millennium Bulk Terminals–Longview, LLC
Attention: Ms. Kristin Gaines
4029 Industrial Way
Longview, Washington 98632
Telephone: (360) 428-2800

AGENT: Grette Associates LLC
Attention: Mr. Glenn Grette
151 South Worthen, Suite 101
Wenatchee, Washington 98801
Telephone: (509) 663-6300

LOCATION: In the Columbia River and adjacent wetlands at River Mile 63, near Longview, Cowlitz County, Washington.

WORK: The applicant proposes to construct and operate a shipping terminal in and adjacent to the Columbia River that would transfer up to 44 million metric tons of coal per year from trains to ocean-going vessels. The coal would be mined in western states, particularly the Powder River Basin and Uinta Basin, for export to Asia. The terminal, would be constructed in two stages over several years. The proposed terminal would consist of facilities to unload coal from trains, stockpile the coal on site, and load coal into ocean-going vessels at one of two new docks. Construction of the terminal would involve dredging, in-river disposal of dredged material, filling wetlands, and building new overwater structures. Major project elements are described in more detail below.

Unloading, transfer, and loading facilities: The shipping terminal would be constructed on a 190-acre site leased by MBTL. Proposed facilities include an eight-track rail loop with capacity to park eight unit trains, rail car unloading facilities, a system of rail-mounted reclaimers to convey coal from the storage area to the loading facility, roadways, service buildings, storm water treatment facilities, and utility infrastructure. Constructing the rail car unloading and coal stockpiling facilities would permanently fill 29.3 acres of waters of the U.S. – 24.1 acres of wetlands, and 5.2 acres of ditches and other waters.

Access trestle and dock: Two docks, identified by the applicant as Dock 2 and Dock 3, would be constructed in the Columbia River to load coal into ocean-going vessels. Dock 2 would be 1,311 feet long and range from 90.5 to 127 feet wide. Dock 3 would be 891 feet long and 90.5 feet wide. Dock 2 would be connected to dry land by an access trestle approximately 842 feet long and generally 32 feet wide. Structures would be supported by up to 630 new 36-inch-diameter steel piles, 610 of which would be installed riverward of the ordinary high water line. Construction of the docks and access trestle would increase overwater cover in the area by 5.13 acres.

Dredging and in-water disposal of dredged material: To provide access to the Columbia River navigation channel and berthing for Panamax-class vessels at the proposed docks, the applicant proposes to dredge up to

NWS-2010-1225; Millennium Bulk Terminals–Longview, LLC

500,000 cubic yards of substrate from a 48-acre berthing area in the Columbia River along the riverward side of the proposed docks. Dredging would occur to a nominal depth of -43 feet Columbia River Datum (CRD) plus a two-foot overdredge allowance (maximum dredging depth of -45 feet CRD). A barge-mounted clamshell dredge would remove substrate and load it into a bottom-dump barge for transport to a flow lane disposal site in the Columbia River. The applicant also proposes to conduct future routine maintenance dredging over a 10-year period.

PURPOSE: The applicant's stated project purpose is to construct and operate a terminal to transfer Western U.S. coal from rail to ocean-going vessels for export to Asia.

PERMIT AUTHORITY: The proposed MBTL project would involve work and structures in or affecting the course, condition, location, or capacity of navigable waters of the U.S. In addition, the proposed project would discharge dredged and fill material into waters of the U.S. Therefore, the proposed project requires authorization by DA permit from the Corps pursuant to the requirements of Section 10 of the River and Harbors Act of 1899 (33 USC 403) and Section 404 of the Clear Water Act (33 USC 1344).

PERMIT ALTERNATIVES: The EIS will evaluate an array of alternatives related to site location, materials handling, and terminal design, as well as a no action alternative. Mitigation measures identified in the EIS could include, but would not be limited to, avoidance of sensitive areas, creation or enhancement of riverine nearshore habitats, and creation, restoration, or enhancement of wetlands.

POTENTIALLY SIGNIFICANT ISSUES: Potentially significant direct, indirect, and/or cumulative effects of the proposed activity within the NEPA scope of analysis include, navigation (e.g., vessel traffic, navigation safety); aquatic species and habitats, including Endangered Species Act-listed species and designated critical habitat; wetland and riparian habitats; wildlife; vehicle traffic; cultural, historic, and archeological resources; Tribal Treaty Rights; air and water quality; noise; recreation; land use; and aesthetics.

DREDGED MATERIAL TESTING: The applicant has chosen to not complete dredged material testing prior to publishing this public notice. Prior to completing any permit decision, the material proposed to be dredged must be evaluated under Dredged Material Management Program (DMMP) procedures. DMMP evaluation, which may include both chemical and biological testing of sediments, will determine whether the material is suitable for in-water disposal. Once the DMMP evaluation is complete, test data will be available from Seattle District's Dredged Material Management Office.

DISPOSAL SITE USE CONDITIONS: The following standard site-use conditions will be specified by the Corps and the Washington Department of Natural Resources as part of the Federal/State permitting processes if a DA permit is issued by the Corps: (1) disposal operations must not interfere with Indian treaty fishing at the disposal site, including the use of gill nets and other fishing gear; (2) the permittee must coordinate any nighttime dredged material disposal with the Corps; and (3) the permittee must receive approval from the District Engineer prior to conducting nighttime dredged material disposal. Other appropriate special conditions could be added to a DA permit as a result of comments received during the public review period for this public notice.

MITIGATION: The applicant intends to submit a compensatory mitigation plan to offset project-related impacts to aquatic resources. Options being considered under a conceptual plan include permittee-responsible mitigation and/or purchasing credits from an approved mitigation bank. Any compensatory mitigation plan approved by the Corps would comply with the *2008 Compensatory Mitigation Rule for Losses of Aquatic Resources*, 33 CFR parts 325 and 332, 73 Fed. Reg. 19594 (April 10, 2008).

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 (USFWS) pursuant to Section 7 of the ESA on actions that may affect a species listed (or proposed for listing) under the ESA or designated critical habitat. The proposed activity may affect ESA-listed species and designated critical habitat. The Corps will initiate Section 7 consultation with the NMFS and USFWS.

NWS-2010-1225; Millennium Bulk Terminals–Longview, LLC

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires Federal agencies to consult with the NMFS on proposed actions permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH). Construction and operation of the proposed shipping terminal would impact EFH in the project area. If the Corps determines 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 (NRHP), Washington Information System for Architectural and Archaeological Records Data, and other sources of information. Based on its reviews, the Corps identified four properties in or near the permit area that are listed or eligible for listing on the NRHP: the Former Reynolds Plant district (1941-2001), the J.D. Tennant House, and two contributing resources to the Former Reynolds Plant district that are also individually eligible for the NRHP: the Consolidated Diking Improvement District (CDID) #1 Levee and Bonneville Power Administration Longview Substation. The proposed project would have an adverse effect on the Former Reynolds Plant district and its contributing resources, including CDID #1 Levee and BPA Longview Substation, and would have no adverse effects on the J.D. Tennant House. The Corps is developing a Memorandum of Agreement to address adverse effects to these historic properties. 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 in or near the project area.

PUBLIC HEARING: The Corps has scheduled two public hearings to provide the public an opportunity to share its views and opinions on the proposed project. Hearings will be held on the following dates:

Monday, October 24, 2016
1:00 p.m. to 4:00 p.m. and 5:00 p.m. to 9:00 p.m.
Cowlitz County Regional Conference Center
1900 7th Avenue
Longview, Washington 98632

Tuesday, October 25, 2016
1:00 p.m. to 4:00 p.m. and 5:00 p.m. to 9:00 p.m.
Clark County Event Center
17402 Northeast Delfel Road
Ridgefield, Washington 98642

EVALUATION – CORPS: The decision whether to issue a DA permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. The 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 in determining whether to issue, modify, condition, or deny a permit for the work. In making 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 preparing an Environmental Assessment and/or an Environmental

NWS-2010-1225; Millennium Bulk Terminals–Longview, LLC

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.

Proposed discharges of dredged or fill material into waters of the U.S. 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 U.S.

SOURCE OF FILL MATERIAL: The applicant has not yet identified the source of the fill material to be used during construction but would obtain fill material from commercially available sources that should contain no contaminants in toxic quantities.

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 consider all comments in determining whether or not it will issue Section 401 CWA water quality certification for the proposed project.

ADDITIONAL EVALUATION: This proposal is the subject of a Shorelines Substantial Development Permit being processed by the Cowlitz County Building and Planning Department.

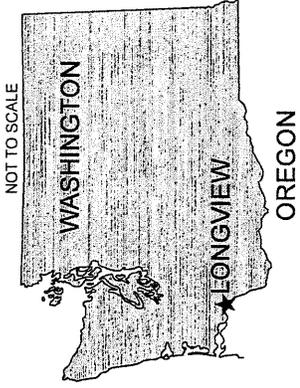
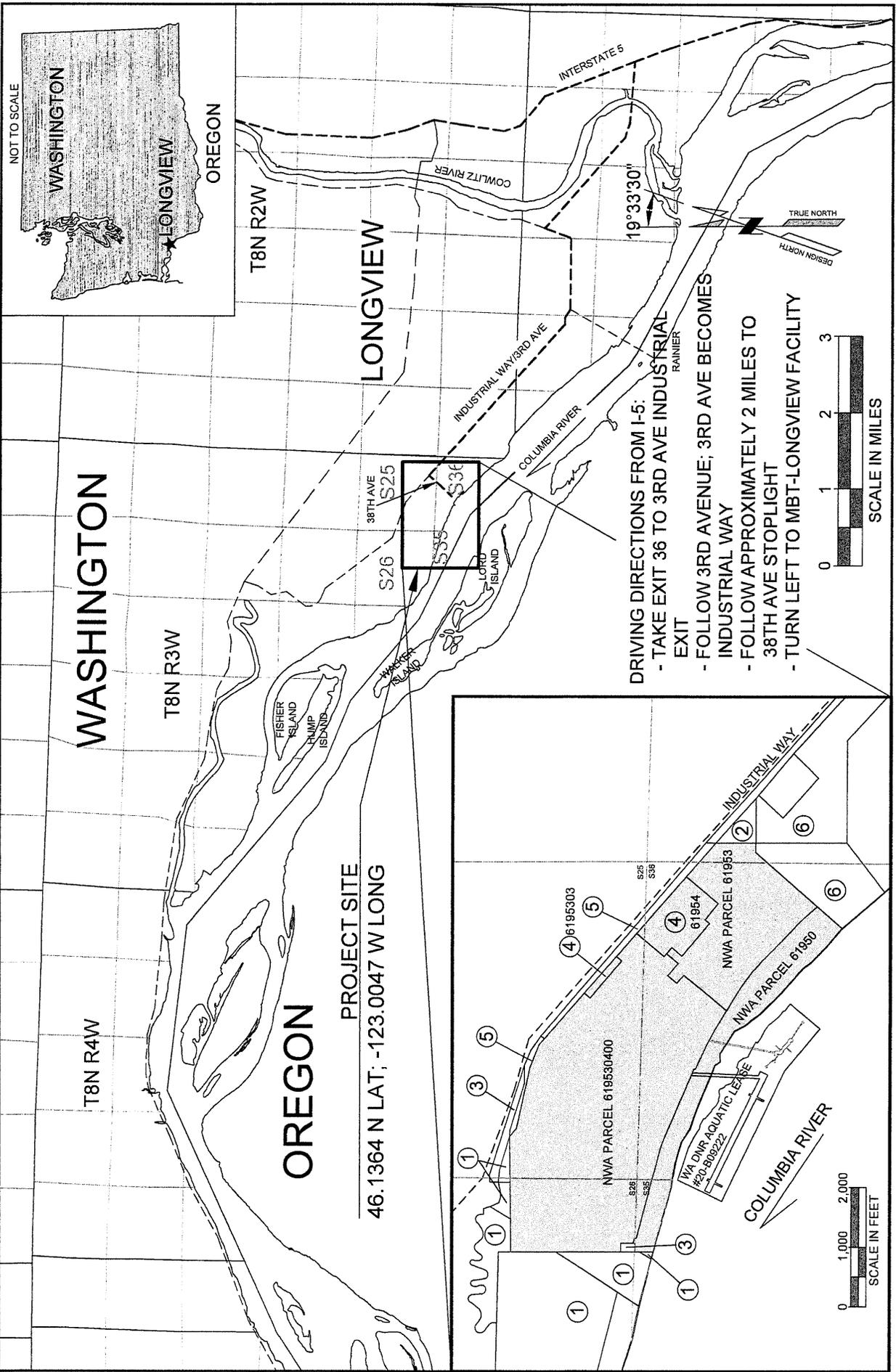
COMMENT AND REVIEW PERIOD: Comments received in response to this public notice will be made part of the administrative record and considered in determining whether to authorize the proposed work. In order to be accepted, e-mail comments must originate from the author's e-mail account, include "Millennium Bulk Terminals–Longview, LLC; NWS-2010-1225" on the subject line of the e-mail message. All comments, whether submitted by conventional mail or e-mail, must include the permit applicant's name and reference number, as shown in the preceding sentence, as well as the commenter's name, address, and phone number. All comments, whether submitted by conventional mail or e-mail, must reach this office no later than the expiration date of this public notice to ensure consideration.

CORPS COMMENTS: All e-mail comments regarding the requested permit application should be sent to NWS.MBTL@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Danette L. Guy, 2108 Grand Boulevard, Vancouver, Washington 98661. 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 may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98504-7600, or e-mail to: Millenium.WQC@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: Millennium Bulk Terminals Longview, LLC; NWS-2010-1225.

Encl: Figures (14)



WASHINGTON

T8N R3W

T8N R4W

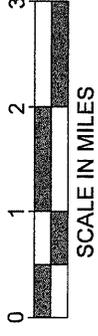
OREGON

PROJECT SITE
46.1364 N LAT; -123.0047 W LONG

LONGVIEW

T8N R2W

- DRIVING DIRECTIONS FROM I-5:
- TAKE EXIT 36 TO 3RD AVE INDUSTRIAL EXIT
 - FOLLOW 3RD AVENUE; 3RD AVE BECOMES INDUSTRIAL WAY
 - FOLLOW APPROXIMATELY 2 MILES TO 38TH AVE STOPLIGHT
 - TURN LEFT TO MBT-LONGVIEW FACILITY



MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL
VICINITY MAP

PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

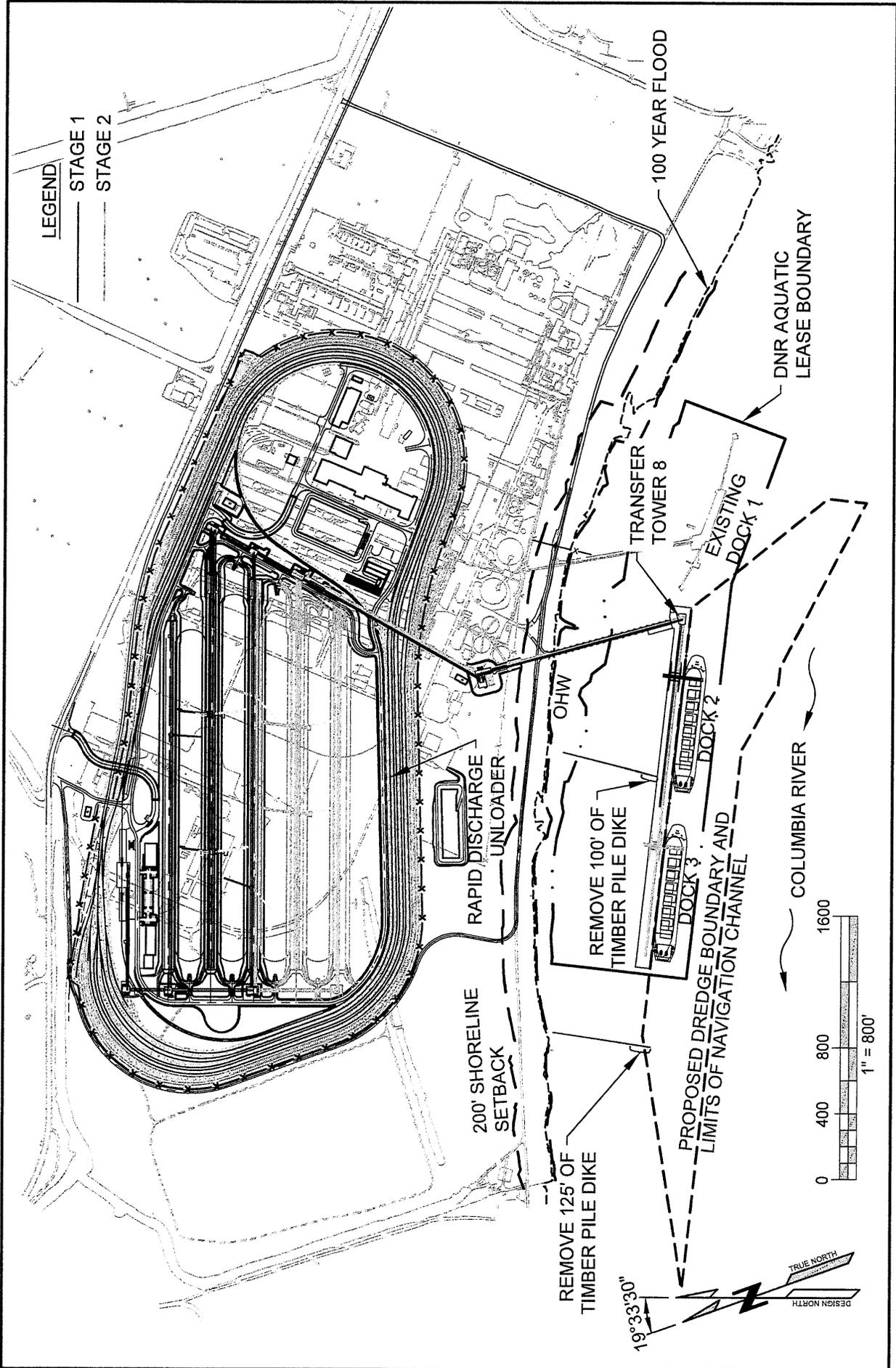
MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL

S-T-R: S25,26,35,36 T8N R3W
IN: COLUMBIA RIVER
AT: NWA/MBT-LONGVIEW FACILITY
4028 INDUSTRIAL WAY
LONGVIEW, WA 98632

LATITUDE: 46.1364 N
LONGITUDE: -123.0047 W
COUNTY OF: COWLITZ
STATE: WA
APPLICANT: MBT-LONGVIEW

SHEET NO: 1 OF 14 DATE: 07/13/2016





LEGEND

- STAGE 1
- - - STAGE 2

MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 S-T-R: S25.26,35.36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632
 DATE: 07/13/2016

**MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 SITE PLAN VIEW**



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL
 ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.
 DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

NEW 36" STEEL PIPE PILE QUANTITIES	
LOCATION	IN-WATER (BELOW OHW) (WIN SHORELINE ZONE)
DOCK 2	UP TO 352
DOCK 3	UP TO 218
TRESTLE	UP TO 40
ABUTMENT	UP TO 8
UPLAND CONV BENTS	UP TO 8

180' WIDE X 240' LONG
AREA OF SOIL CUTTER
MIXING TO -50' AREA
WITHIN SHORELINE
ZONE = 36,000 SQ.FT.

LEGEND
— STAGE 1
— STAGE 2

PROPOSED TRESTLE
ACCESS ROAD

FOR ABUTMENT PLAN
SEE SHEET 10

FOR PARTIAL APPROACH
TRESTLE FRAMING PLAN
SEE SHEET 8

STAGE 2 SHIPLOADER
ON DOCK 3

FOR PARTIAL DOCK FRAMING PLAN
SEE SHEET 5

SEE
SHT 6

TRANSFER
TOWER 8

SEE
SHT 9

SEE
SHT 4

SEE
SHT 7

SEE
SHT 4

DNR AQUATIC LEASE BOUNDARY

100,000 DWT NEW PANAMAX

75,000 DWT PANAMAX

BERTH LINE

NOTE:

WORK WITHIN SHORELINE ZONE TO INCLUDE UP TO (20)
36" Ø STEEL PILES, 220 FEET OF ELEVATED APPROACH
TRESTLE AND 230 LINEAL FT OF TRESTLE AND ACCESS
ROAD. ACCESS ROAD WILL REQUIRE 1,200 CU YARDS OF
FILL WITHIN THE 200 FT SHORELINE ZONE.

PROPOSED DREDGE BOUNDARY AND
LIMITS OF NAVIGATION CHANNEL

COLUMBIA RIVER



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

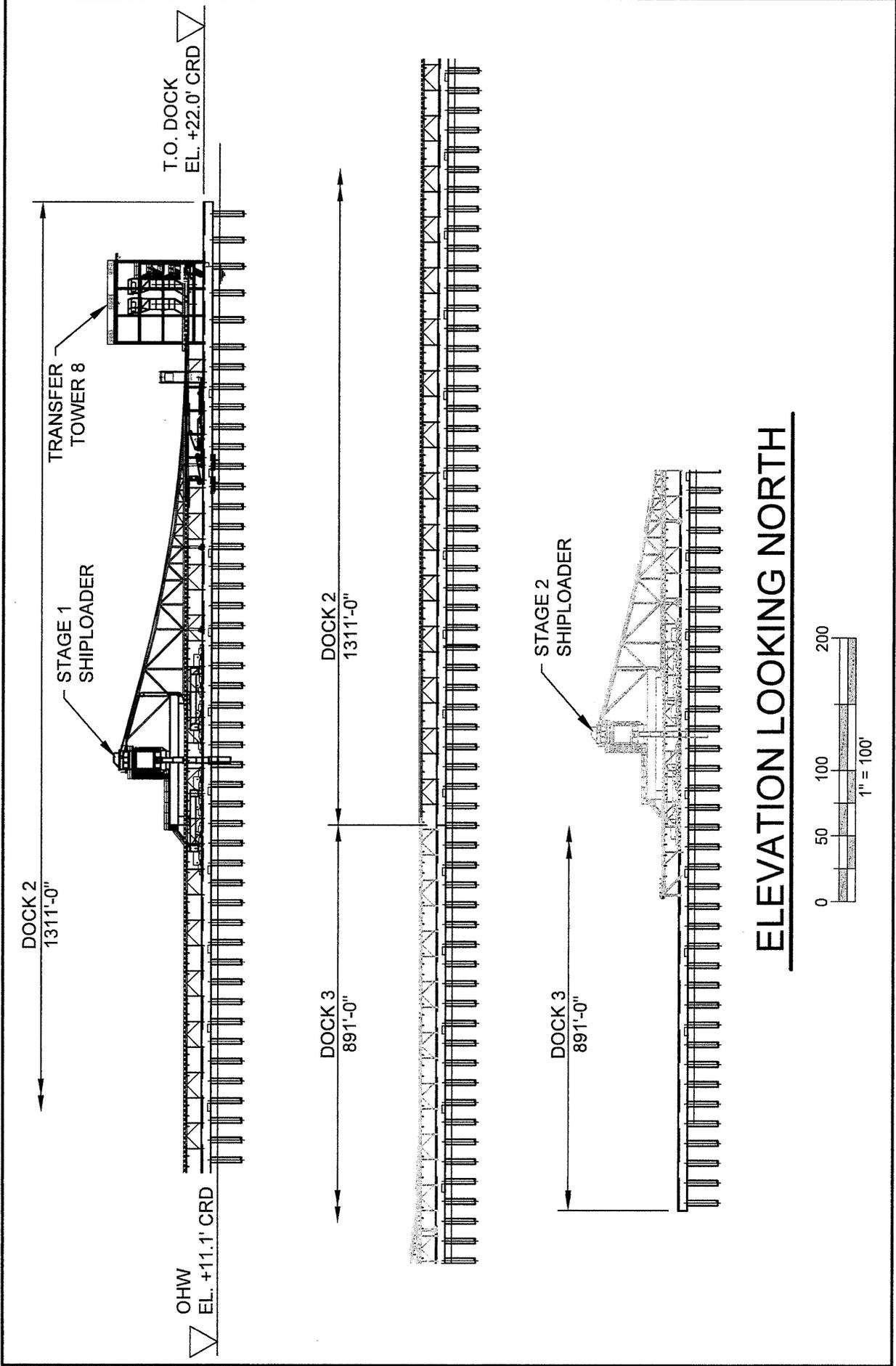
DATUM: CRD, MAD83 WA S CORPUS REF. NO.: NWS-2010-1225

MILLENNIUM BULK TERMINALS-LONGVIEW COAL EXPORT TERMINAL DOCK PLAN VIEW

MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL

S-T-R: S25,26,35,36 TBN R3W
IN: COLUMBIA RIVER
AT: NWA/MBT-LONGVIEW FACILITY
4029 INDUSTRIAL WAY
LONGVIEW, WA 98632
APPLICANT: MBT-LONGVIEW
SHEET NO.: 3 OF 14 DATE: 07/13/2016





ELEVATION LOOKING NORTH

PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL
DOCKS 2 AND 3 ELEVATION VIEW

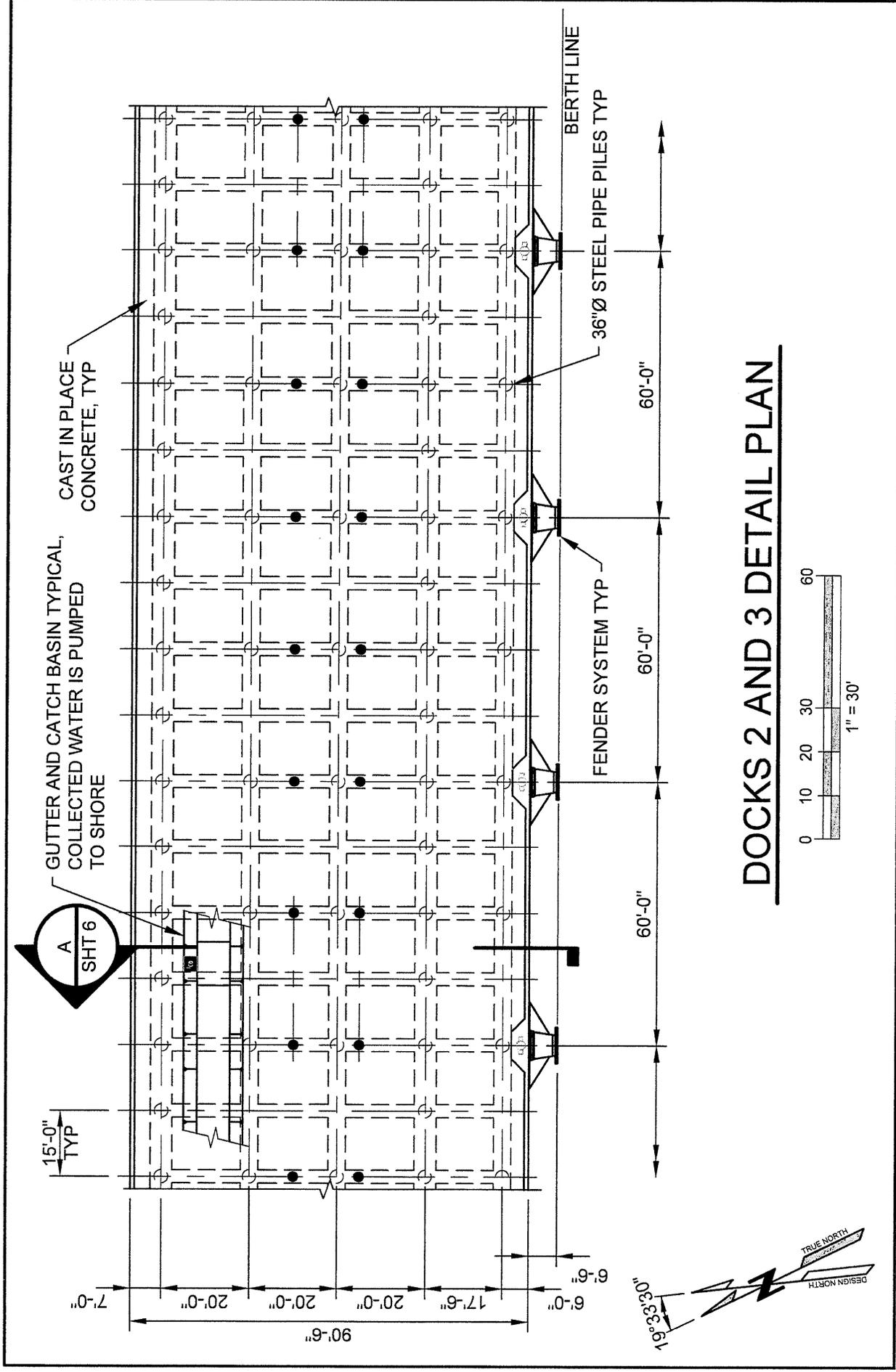


MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL

S-T-R: S25.26.35.36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632

LATITUDE: 46.1364 N
 LONGITUDE: -123.0047 W
 COUNTY OF: COWLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW

SHEET NO. 4 OF 14
 DATE: 07/13/2016



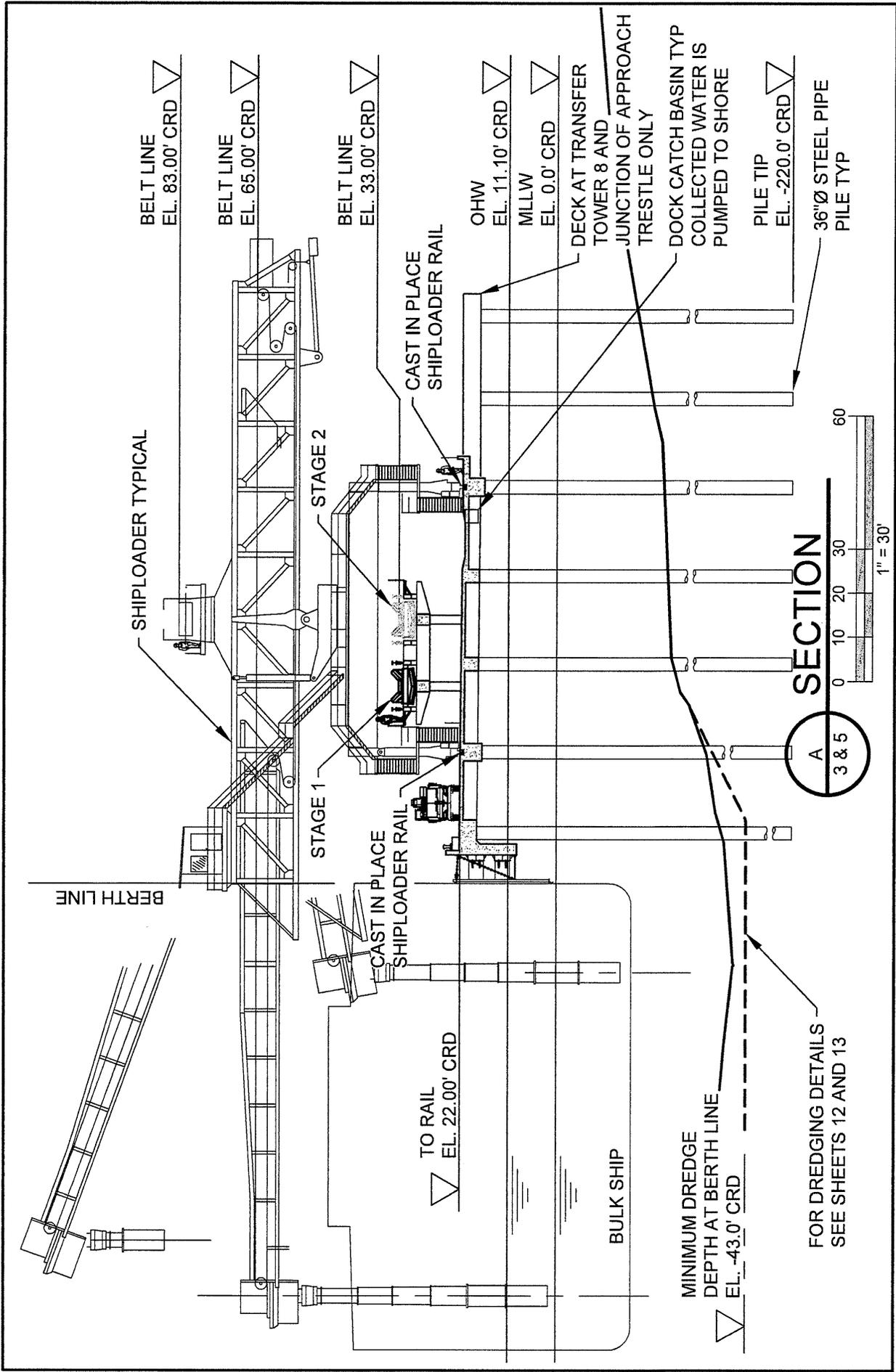
DOCKS 2 AND 3 DETAIL PLAN

MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 S-T-R: S25,26,35,36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632
 APPLICANT: MBT-LONGVIEW
 DATE: 07/13/2016

MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 DOCKS 2 AND 3 PLAN VIEW DETAIL



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL
 ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.
 DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

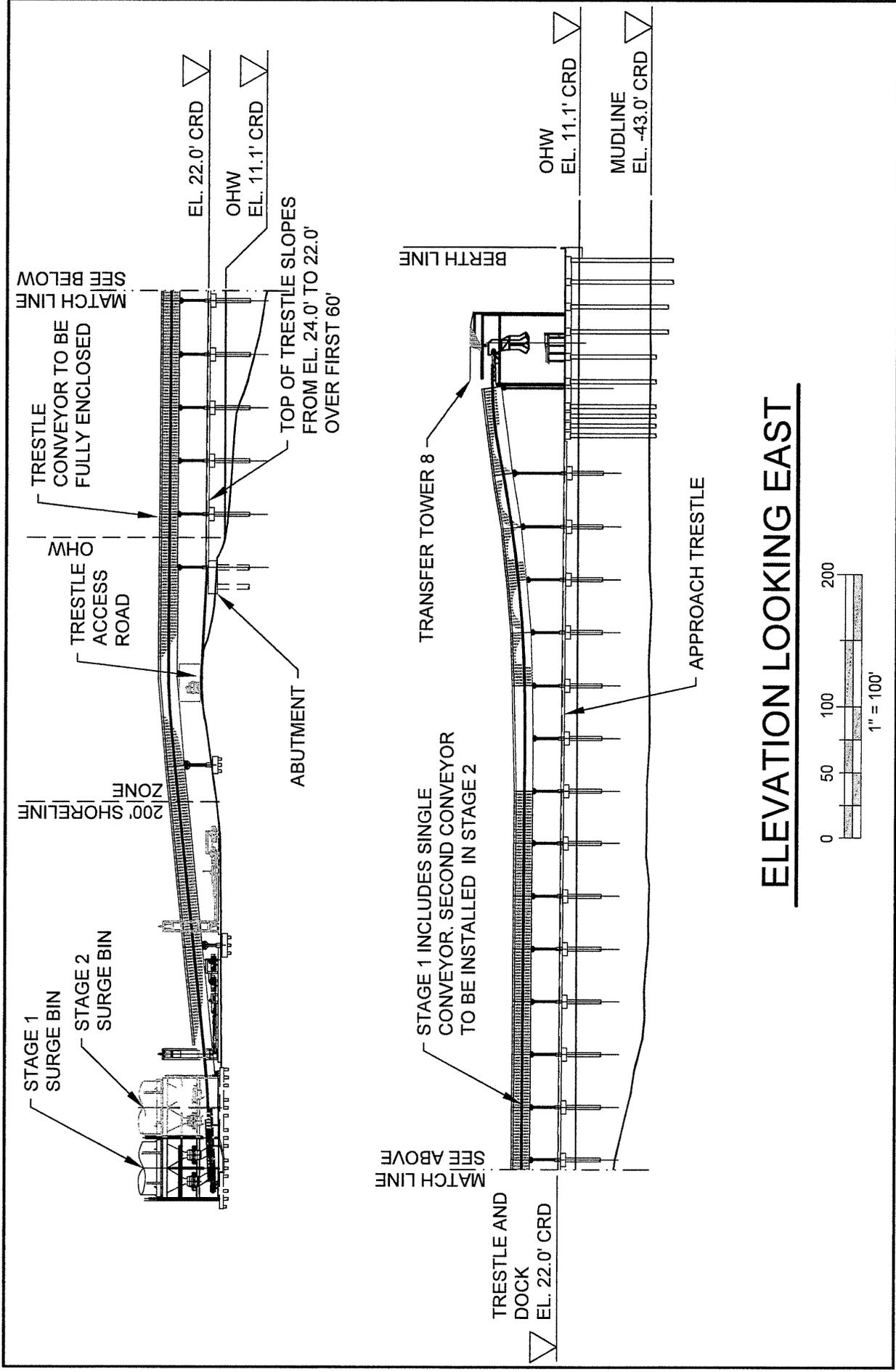


MILLENNium BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 LATITUDE: 46.1364 N
 LONGITUDE: -123.0047 W
 COUNTY OF: COMOLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW
 S-T-R: S25,26,35,36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632
 DATE: 07/13/2016

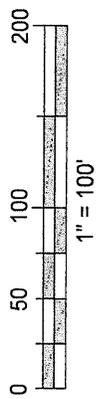
MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL
DOCKS 2 AND 3 WITH SHIP LOADER



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL
 ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.
 DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225



ELEVATION LOOKING EAST



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORP. REF. NO.: NWS-2010-1225

MILLENNIUM BULK TERMINALS-LONGVIEW COAL EXPORT TERMINAL APPROACH TRESTLE ELEVATION VIEW

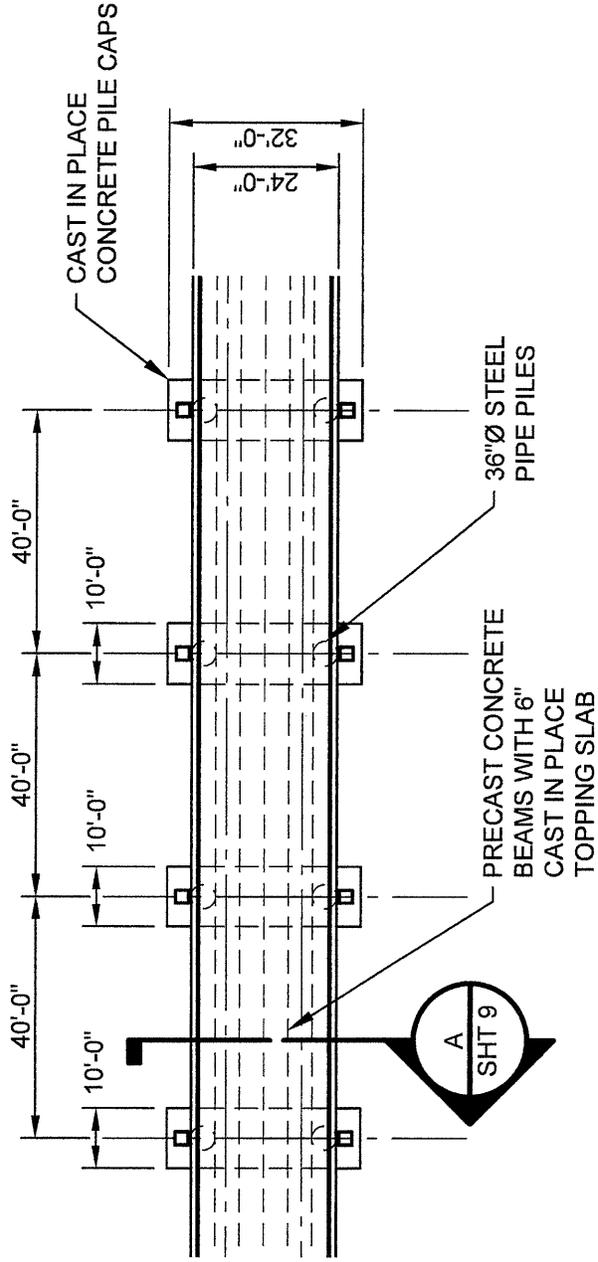


MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL

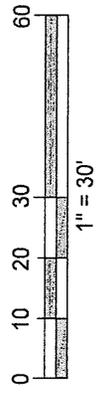
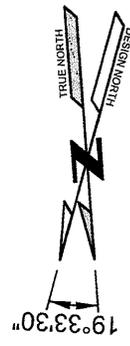
S-T-R: S25.26.36.36 T8N R3W
IN: COLUMBIA RIVER
AT: NWA/MBT-LONGVIEW FACILITY
4029 INDUSTRIAL WAY
LONGVIEW, WA 98632

LATITUDE: 46.1384 N
LONGITUDE: -123.0047 W
COUNTY OF: COWLITZ
STATE: WA
APPLICANT: MBT-LONGVIEW

SHEET NO: 7 OF 14 DATE: 07/13/2016



APPROACH TRESTLE DETAIL PLAN



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

MILLENNIUM BULK TERMINALS-LONGVIEW COAL EXPORT TERMINAL APPROACH TRESTLE PLAN VIEW DETAIL

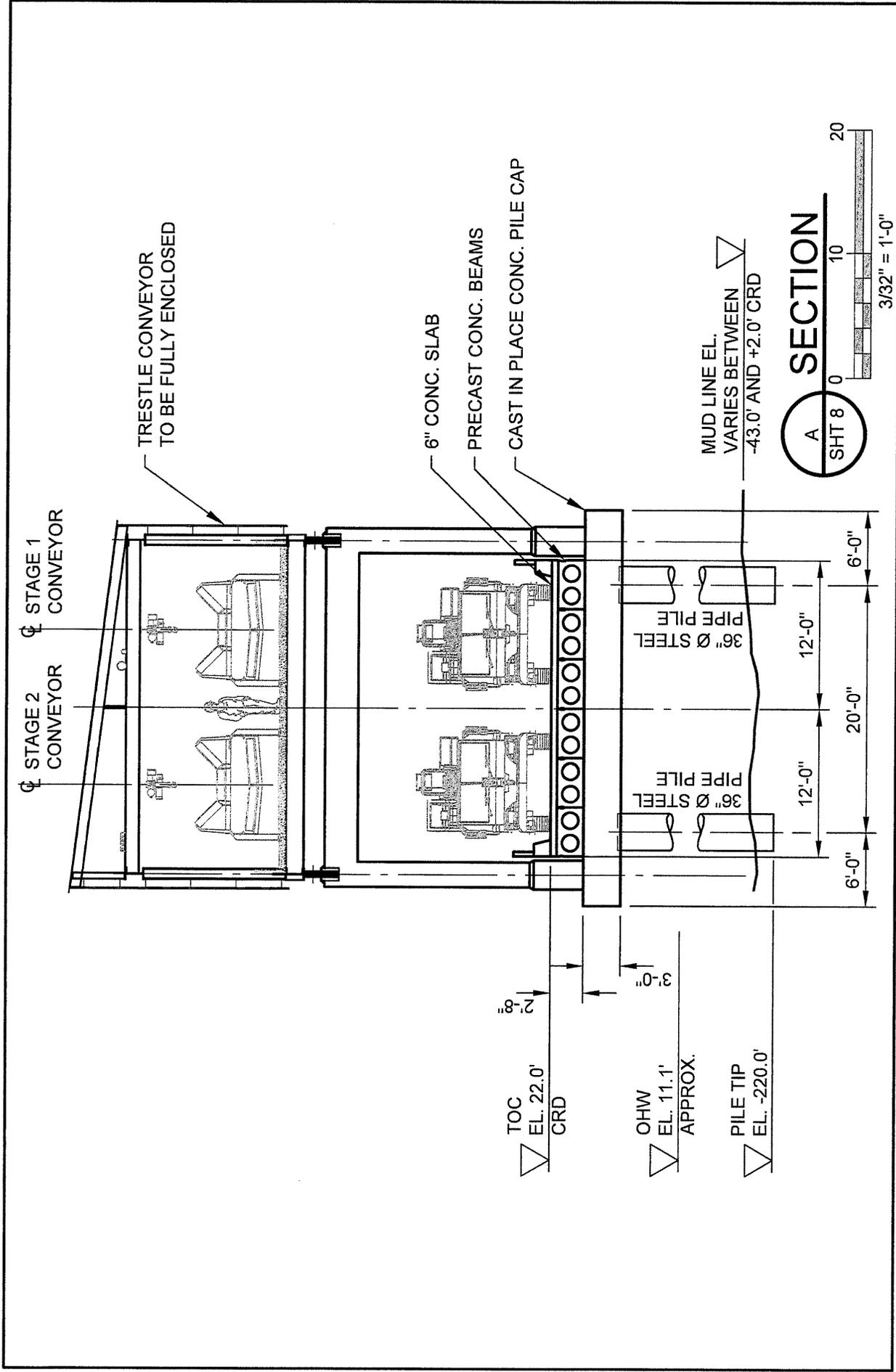


MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL

S-T-R: S25.26.35.36 T8N R3W
IN: COLUMBIA RIVER
AT: NWA/MBT-LONGVIEW FACILITY
4029 INDUSTRIAL WAY
LONGVIEW, WA 98632

LATITUDE: 46.1364 N
LONGITUDE: -123.0047 W
COUNTY OF: COMOLITZ
STATE: WA
APPLICANT: MBT-LONGVIEW

SHEET NO: 8 OF 14 DATE: 07/13/2016



A SECTION

SHT 8 0 10 20

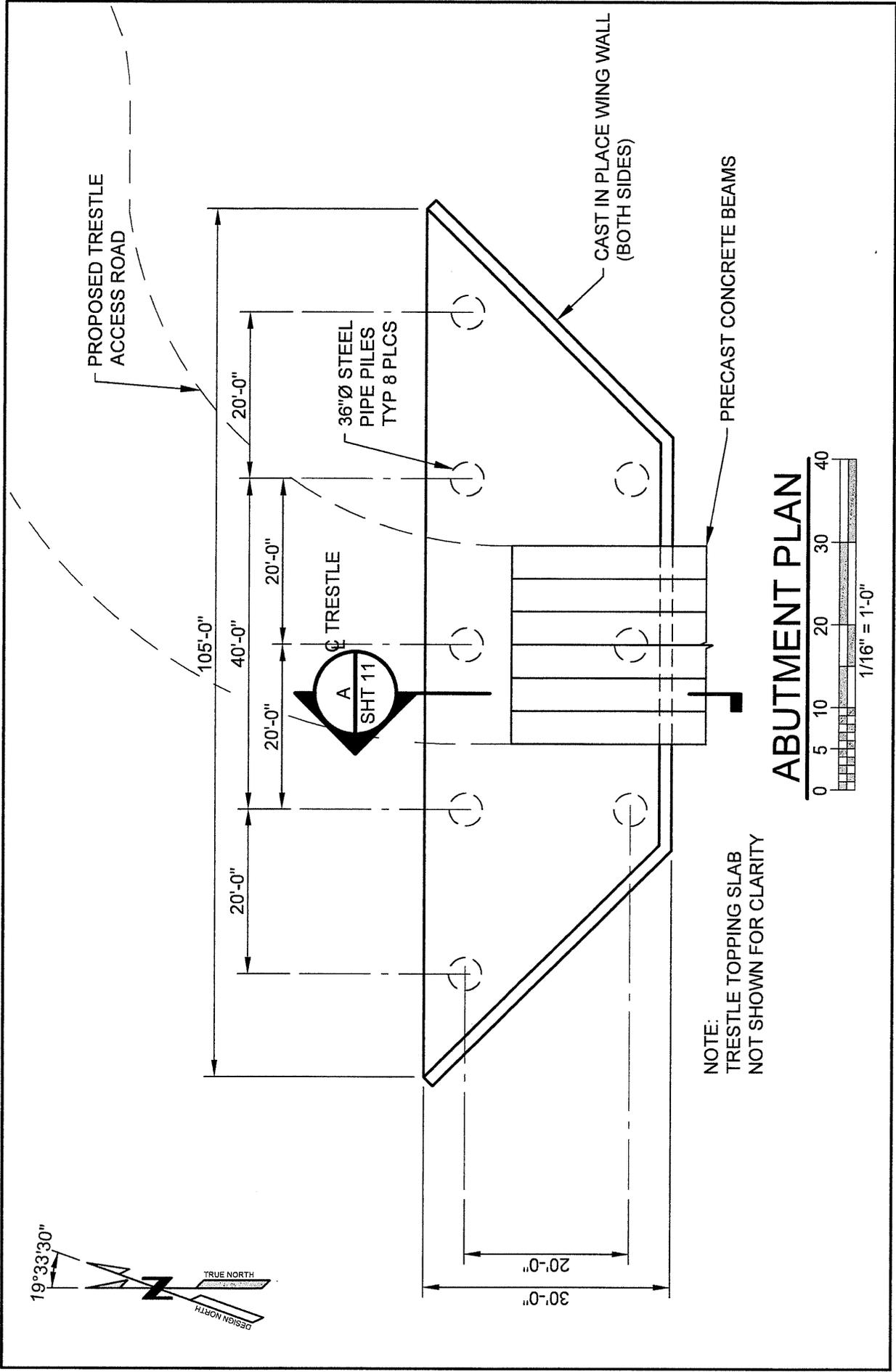
3/32" = 1'-0"

MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 S-T-R: S25,26,35,36 T&N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632
 DATE: 07/13/2016

**MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 APPROACH TRESTLE CROSS SECTION**

PURPOSE: ESTABLISH A COAL EXPORT TERMINAL
 ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.
 DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225





PROPOSED TRESTLE
ACCESS ROAD

105'-0"

40'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

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20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

36"Ø STEEL
PIPE PILES
TYP 8 PLCS

Ø TRESTLE

A
SHT 11

PRECAST CONCRETE BEAMS

CAST IN PLACE WING WALL
(BOTH SIDES)

NOTE:
TRESTLE TOPPING SLAB
NOT SHOWN FOR CLARITY

30'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

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20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

20'-0"

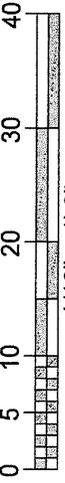
20'-0"

20'-0"

20'-0"

20'-0"

ABUTMENT PLAN



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL
ABUTMENT PLAN VIEW

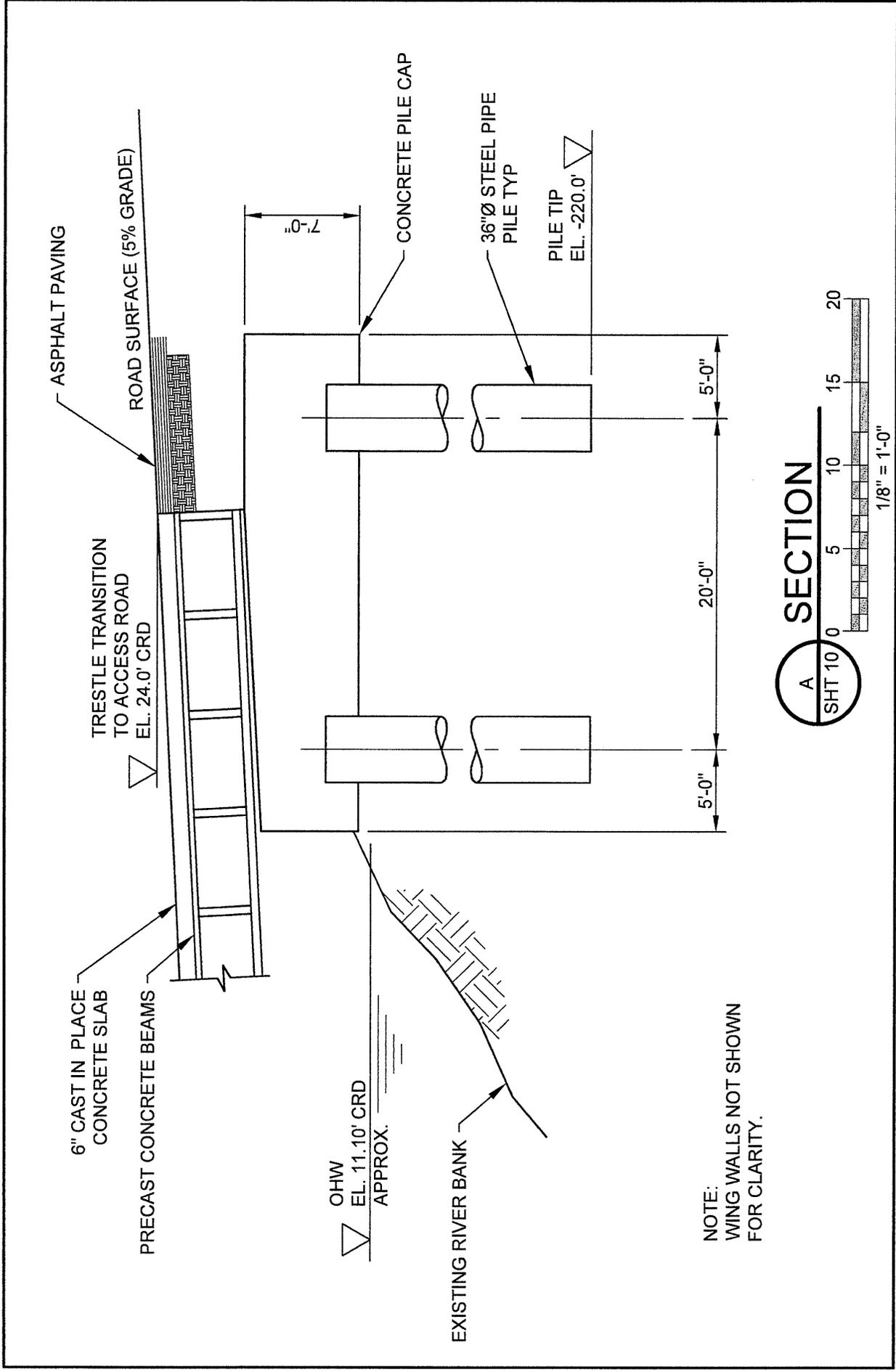


MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL

S-T-R: S25;26;35;36 T8N R3W
IN: COLUMBIA RIVER
AT: NWA/MBT-LONGVIEW FACILITY
4029 INDUSTRIAL WAY
LONGVIEW, WA 98632

APPLICANT: MBT-LONGVIEW
SHEET NO: 10 OF 14
DATE: 07/13/2016

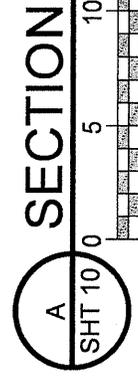




S-T-R: S25.26.36.36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632
 DATE: 07/13/2016

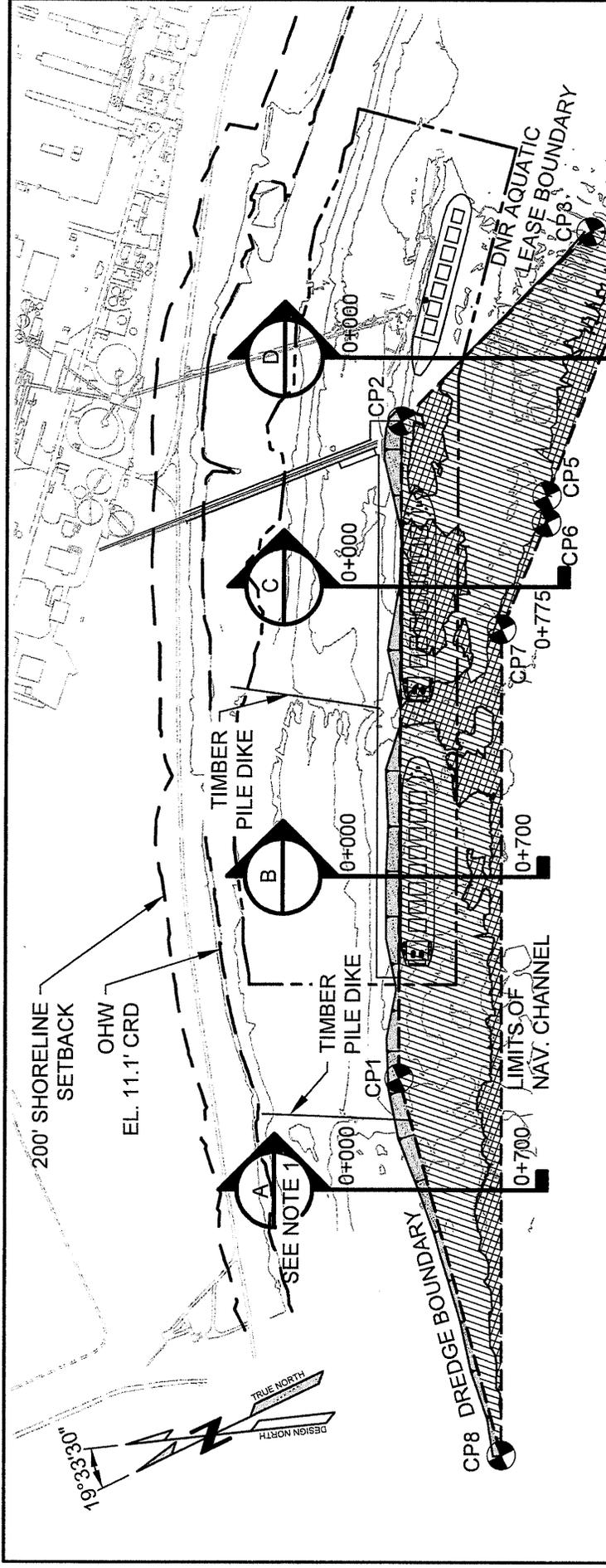
MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL
 LATITUDE: 46.1364 N
 LONGITUDE: -123.0047 W
 COUNTY OF: COWLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW
 SHEET NO: 11 OF 14

MILLENNIUM BULK TERMINALS-LONGVIEW
COAL EXPORT TERMINAL
ABUTMENT CROSS SECTION
FOR



NOTE:
 WING WALLS NOT SHOWN
 FOR CLARITY.

PURPOSE: ESTABLISH A COAL EXPORT TERMINAL
 ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.
 DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225



NOTES:

1. SEE SHT. 13 FOR ALL SECTIONS
2. DREDGE DESIGN QTY: UP TO 500,000 CUBIC YARDS
3. DREDGE AREA: 48 ACRES

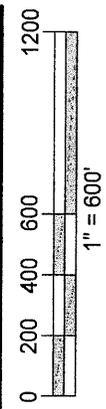
LEGEND

- DREDGE TO -45 FT CRD (INCLUDES 2 FT OVERDREDGE)
- EXIST AREA DEEPER THAN -45 FT CRD
- DREDGE SLOPE (3H:1V TYP)
- DREDGE CONTROL POINT

DREDGE BOUNDARY LIMITS

POINT ID	NORTHING	EASTING
CP1	303886.73	1003465.73
CP2	302753.65	1005814.73
CP3	301752.29	1006164.40
CP4	301541.54	1006062.71
CP5	302358.96	1005298.01
CP6	302405.18	1005203.71
CP7	302747.71	1004901.75
CP8	304166.29	1001934.20

DREDGE PLAN



PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

**MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 DREDGE OVERVIEW**

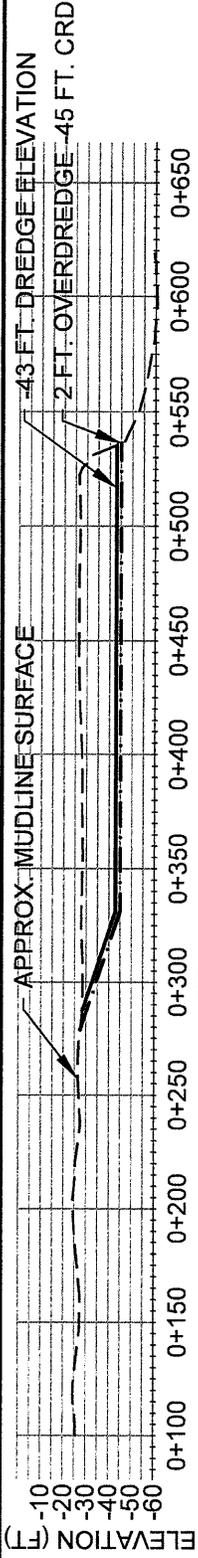


MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL

S-T-R: S25.26.36.36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632

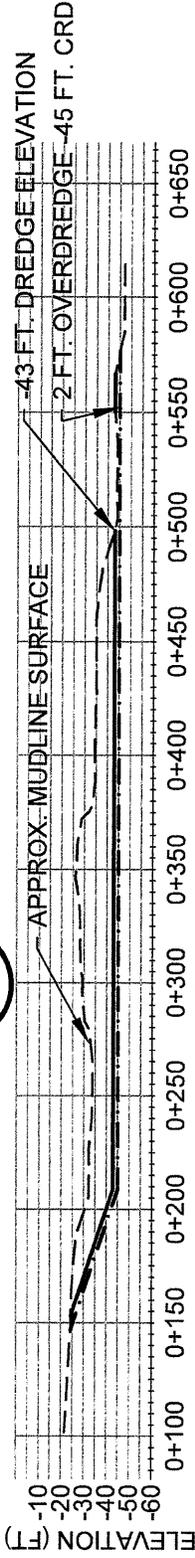
LATITUDE: 46.1364 N
 LONGITUDE: -123.0047 W
 COUNTY OF: COWLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW

SHEET NO: 12 OF 14 DATE: 07/13/2016



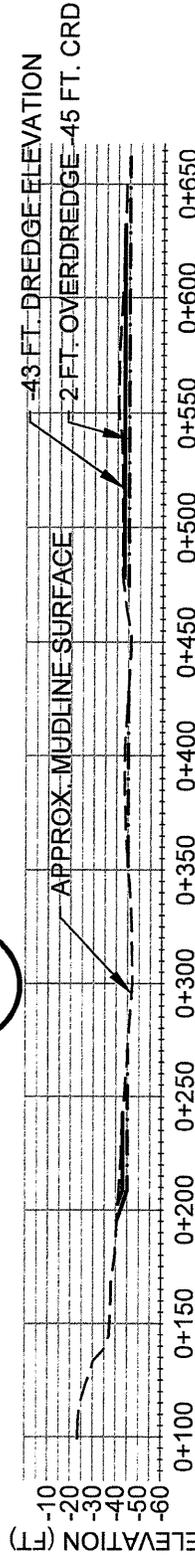
SECTION

SHT. 12
1"=80'



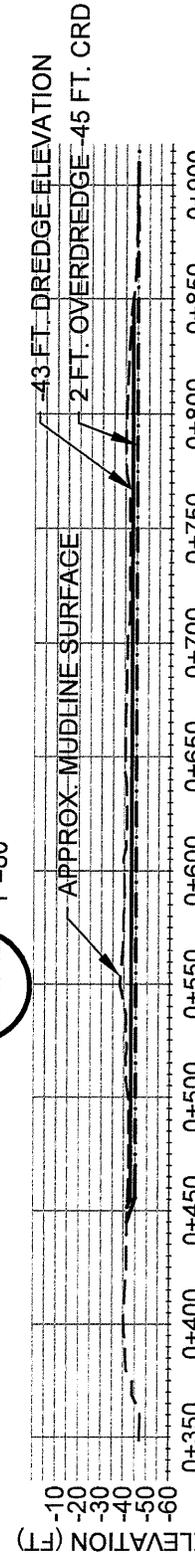
SECTION

SHT. 12
1"=80'



SECTION

SHT. 12
1"=80'



SECTION

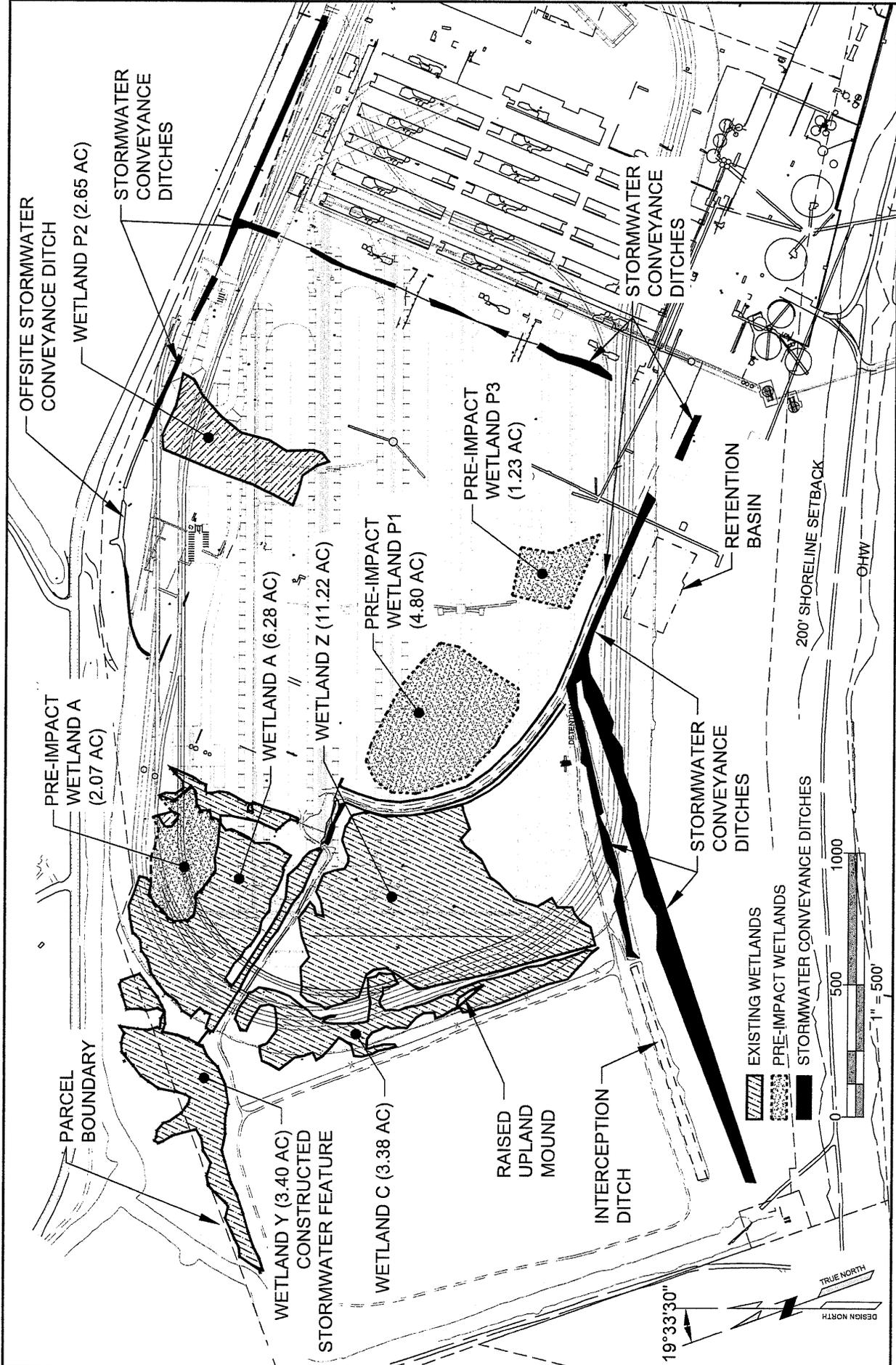
SHT. 12
1"=80'

PURPOSE: ESTABLISH A COAL EXPORT TERMINAL
 ADJACENT PROPERTY OWNERS
 ① PORT OF LONGVIEW ④ USA (BPA)
 ② NORTHWEST ALLOYS (NWA) ⑤ BNSF
 ③ CONSOL. DIKING IMPV. DIST ⑥ WEYERHAEUSER CO.
 DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

**MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 DREDGE CROSS SECTIONS**



MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL
 LATITUDE: 46.1364 N
 LONGITUDE: -123.0047 W
 COUNTY OF: COWLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW
 SHEET NO: 13 OF 14 DATE: 07/13/2016
 S-T-R: S25-26,35,36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 4029 INDUSTRIAL WAY
 LONGVIEW, WA 98632



MILLENNIUM BULK TERMINALS-LONGVIEW
 COAL EXPORT TERMINAL

S-T-R: S25 26 35.36 T8N R3W
 IN: COLUMBIA RIVER
 AT: NWA/MBT-LONGVIEW FACILITY
 COUNTY OF: COWLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW
 LONGVIEW, WA 98632

LATITUDE: 46.1364 N
 LONGITUDE: -123.0047 W
 COUNTY OF: COWLITZ
 STATE: WA
 APPLICANT: MBT-LONGVIEW
 LONGVIEW, WA 98632

SHEET NO. 14 OF 14 DATE: 07/13/2016

MILLENNIUM BULK TERMINALS-LONGVIEW COAL EXPORT TERMINAL WETLANDS AND DITCHES

PURPOSE: ESTABLISH A COAL EXPORT TERMINAL

ADJACENT PROPERTY OWNERS

- ① PORT OF LONGVIEW
- ② NORTHWEST ALLOYS (NWA)
- ③ CONSOL. DIKING IMPV. DIST
- ④ USA (BPA)
- ⑤ BNSF
- ⑥ WEYERHAEUSER CO.

DATUM: CRD, NAD83 WA S CORPS REF. NO.: NWS-2010-1225

