



US Army Corps
of Engineers
Seattle District



WASHINGTON STATE
DEPARTMENT OF
E C O L O G Y

Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification

US Army Corps of Engineers

Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone (360) 906-7274
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: August 27, 2012

Expiration Date: September 26, 2012

Reference No.: NWS-2012-0079

Name: Emerald Kalama Chemical,
LLC

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 United States as described below and shown on the enclosed drawings dated July 19, 2012.

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

APPLICANT: Emerald Chemical Kalama, LLC
1296 Third Street Northwest
Kalama, Washington 98625
Attention: Mr. Christopher L. Wrobel
Telephone: (360) 673-0289

AGENT: Ecological Land Services, Inc.
1157 3rd Avenue, Suite 220
Longview, Washington 98632
Attention: Ms. Lynn Simpson
Telephone: (360) 578-1371

LOCATION: In the Columbia River at river mile 74, within the Port of Kalama, Kalama, Cowlitz County, Washington.

WORK: Replace existing access trestle, dock and add spill containment platform. Replace existing catwalks with fully grated walkways. Replace three breasting dolphins and one mooring dolphin. Replace and realign debris boom. Install two large woody debris structures. A total of 131 wooden piles treated with creosote or pentachlorophenol will be removed and replaced with 141 steel hollow and/or H-piles. All work will occur waterward of the ordinary high water mark.

ADDITIONAL INFORMATION: All of the proposed work activities described above requires authorization under Section 10 of the Rivers and Harbors Act, not Section 404 of the Clean Water Act. However, Ecology has determined that individual 401 Water Quality Certification is required for some of these activities.

PURPOSE: The applicant's stated purpose is to facilitate operations at the existing chemical plant.

MITIGATION: Two large woody material structures are proposed to be installed at the toe of the piling associated with the debris boom.

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 all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. A preliminary determination indicates that the activity will affect endangered or threatened species, or their critical habitat. Consultation under Section 7 of the ESA is required.

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). 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, lists of properties determined eligible and other sources of information. There are no recorded historic properties within the permit area. The proposed work is of such a limited nature and extent that little likelihood exists for the project to impinge upon an unrecorded 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.

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.

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

NWS-2012-0079

evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

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

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 it would be in the public interest to authorize this proposal. 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 commentator'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.

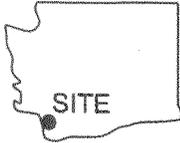
CORPS COMMENTS: All e-mail comments should be sent to danette.l.guy@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Danette L. Guy, P.O. Box 3755, Seattle, Washington 98124-3755.

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: SEA program – 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: Emerald Kalama Chemical, LLC; NWS-012-0079

Encl: Figures (14)

WASHINGTON

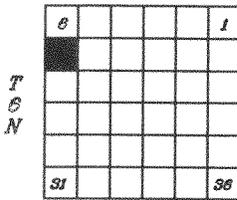


SITE

46° 01' 17" N Latitude
122° 51' 40" W Longitude

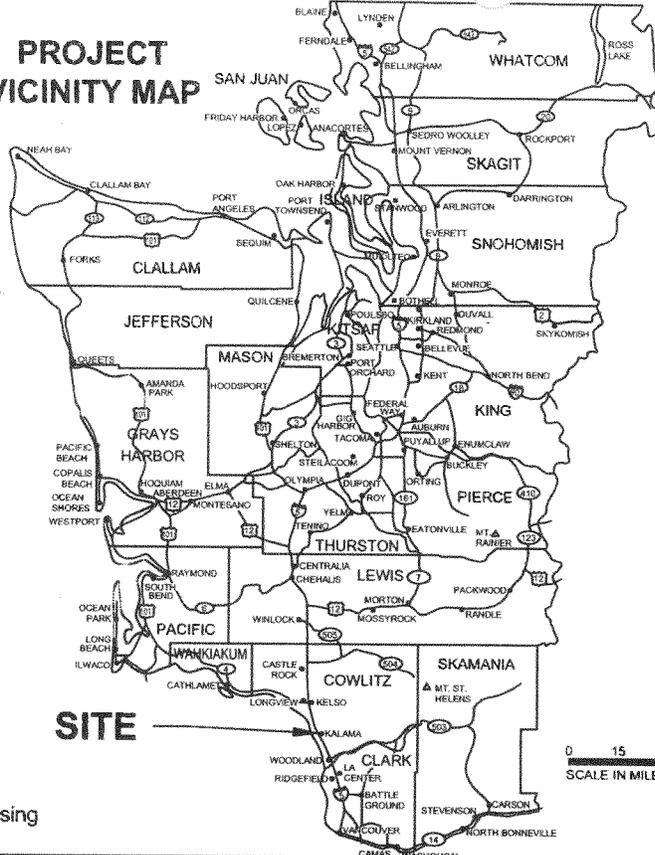
LOCATION MAP

R 1 W



NOTE:
USGS topographic quadrangle map reproduced using
MAPTECH Inc., Terrain Navigator Pro software.

PROJECT VICINITY MAP



SITE

0 15 30
SCALE IN MILES

PROPOSED: Piling replacement

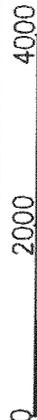
IN Columbia River
NEAR: Kalama
COUNTY: Cowlitz STATE: WA
SHEET 1 OF 14
DATE: 7/19/12

VICINITY MAP

APPLICANT: Emerald Kalama Chemical
PROJECT NAME: Dock Replacement
REFERENCE #: NWS-2012-0079
SITE LOCATION ADDRESS:
380 W Marine Dr
Kalama, WA 98625

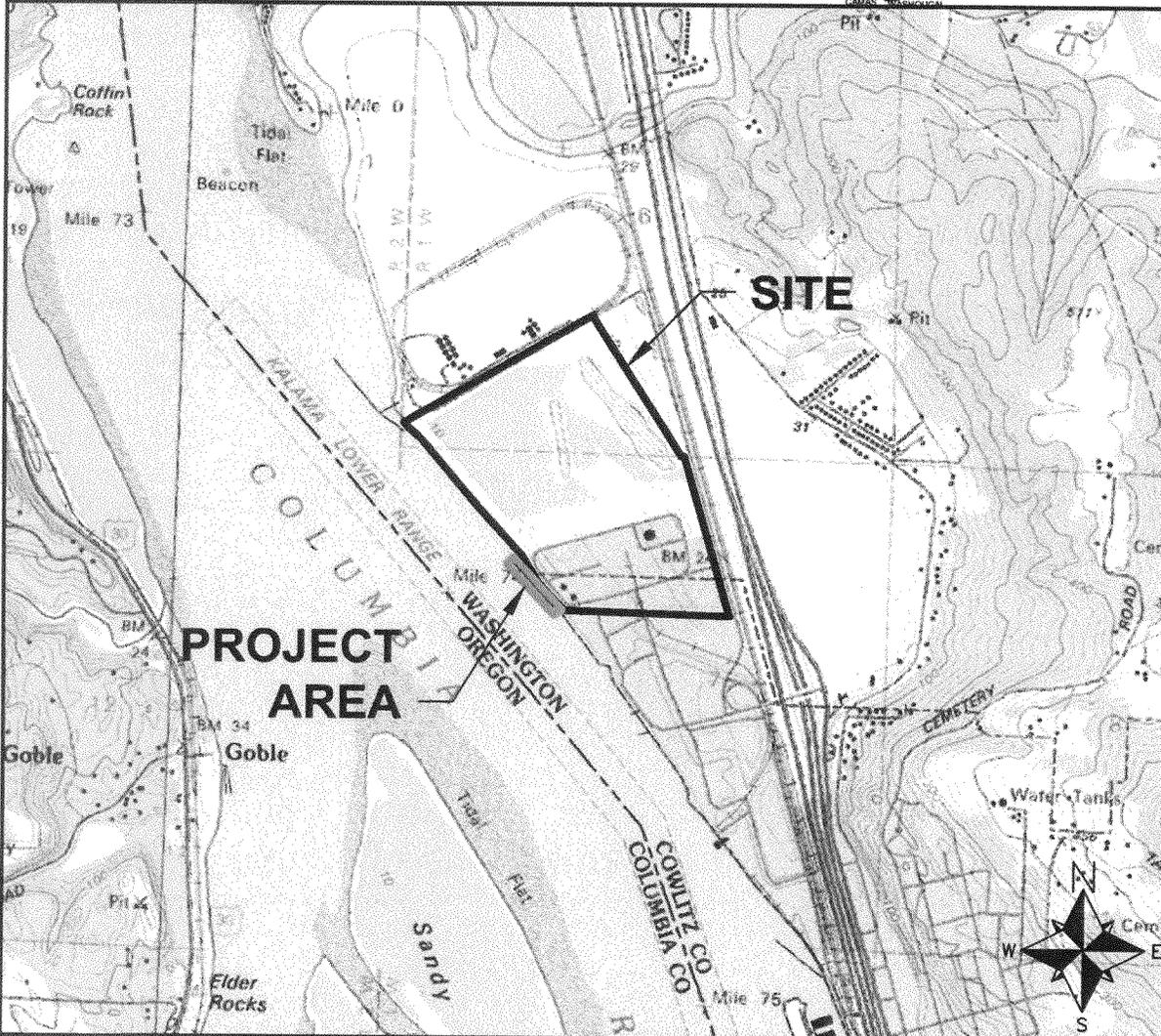
PURPOSE: Replace Dock

DATUM: NGVD 29
ADJACENT PROPERTY OWNERS:



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
1157 3rd Avenue, Suite 220
Longview, WA 98632



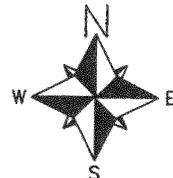
SITE

PROJECT AREA



LEGEND:

-  Project Area
-  Site Boundary
-  Wetland Boundary



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.

1157 3rd Avenue, Suite 220
Longview, WA 98632



NOTE(S):

1. 2009 aerial photo provided by Google Earth™. Site boundary from Cowlitz County GIS Department.

PURPOSE: Replace Dock

DATUM: N/A

ADJACENT PROPERTY OWNERS:

2009 AERIAL PHOTOGRAPH

APPLICANT: Emerald Kalama Chemical

PROJECT NAME: Dock Replacement

REFERENCE #: NWS-2012-0079

SITE LOCATION ADDRESS:

380 W Marine Dr

Kalama, WA 98625

PROPOSED: Piling replacement

IN Columbia River

NEAR: Kalama

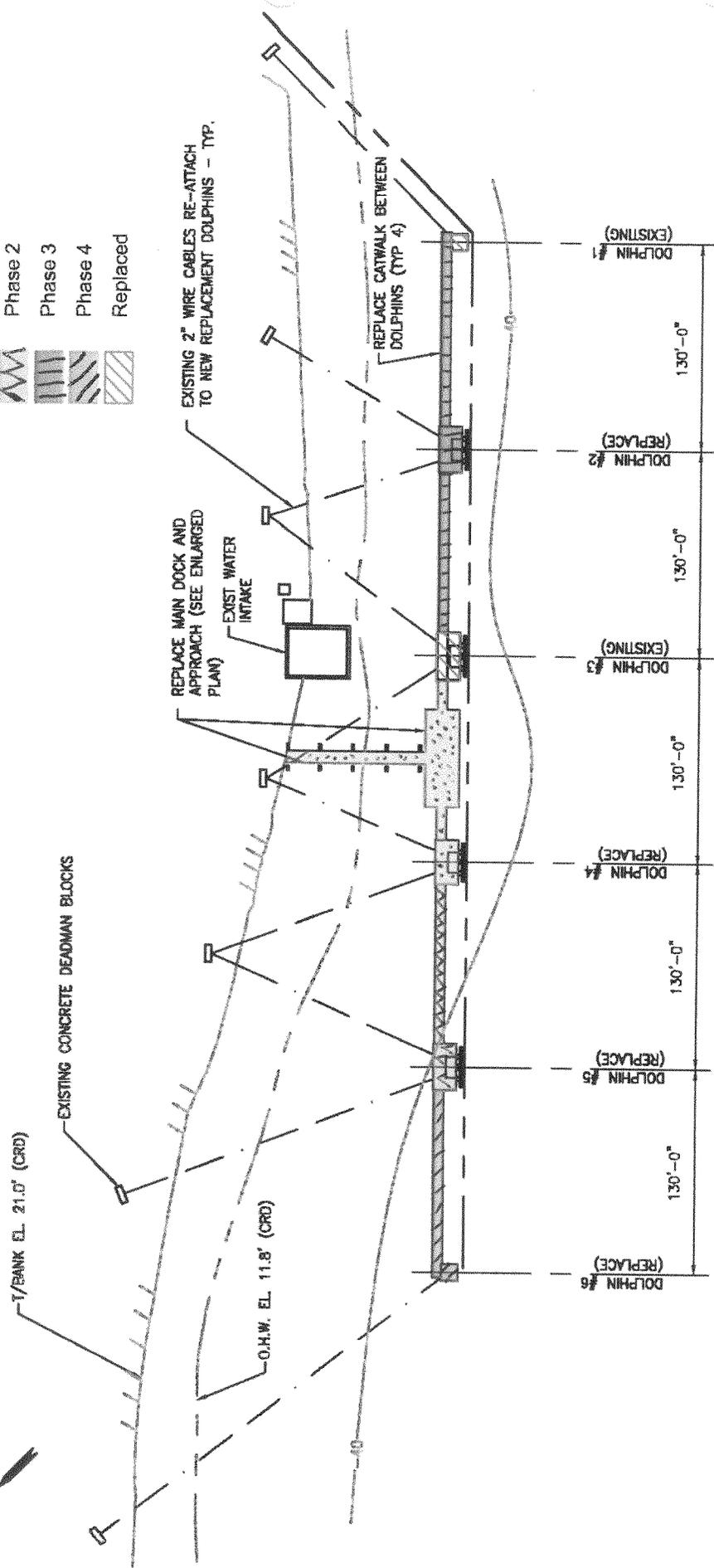
COUNTY: Cowlitz STATE: WA

SHEET 2 OF 14

DATE: 7/19/12

PROPOSED REPLACEMENT SCHEDULE:

- Phase 1
- Phase 2
- Phase 3
- Phase 4
- Replaced



← COLUMBIA RIVER

OVERALL SITE PLAN

- NOTE(S):**
- Base map from Alpha Technical Group, Inc.
 - All elevations referenced to Columbia River Datum (CRD).



SCALE IN FEET

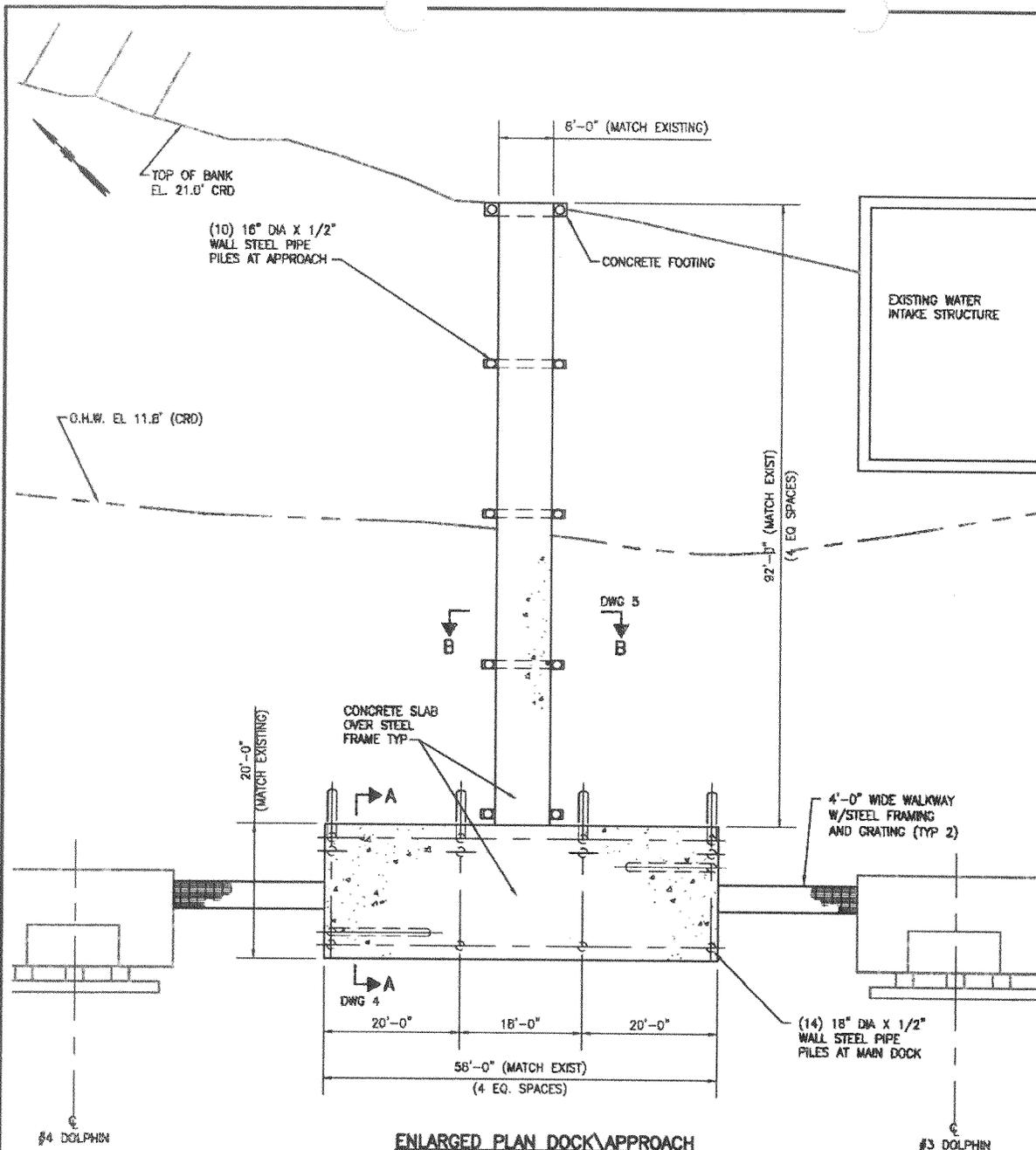
ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632

PURPOSE: Replace Dock

DATUM: CRD
 ADJACENT PROPERTY OWNERS:

OVERALL SITE PLAN
 APPLICANT: Emerald Kalama Chemical
 PROJECT NAME: Dock Replacement
 REFERENCE #: *NWS-2012-0079*
 SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

PROPOSED: Piling replacement
 IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 3 OF 14
 DATE: 7/19/12



ENLARGED PLAN DOCK/APPROACH

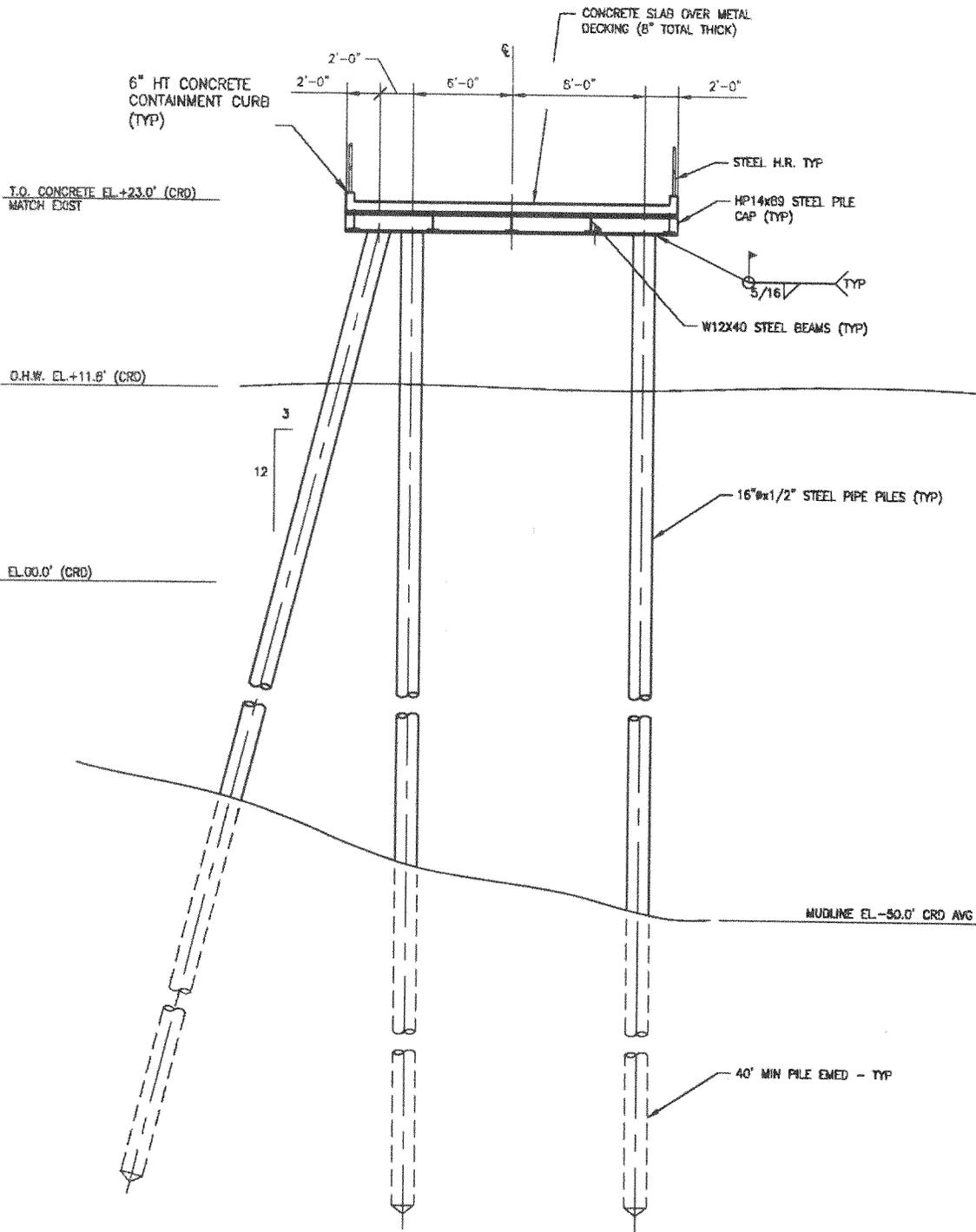
PROPOSED: Piling replacement
 IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 4 OF 14
 DATE: 7/19/12

ENLARGED PLAN DOCK/APPROACH
 APPLICANT: Emerald Kalama Chemical
 PROJECT NAME: Dock Replacement
 REFERENCE #: NWS-2012-0079
 SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

PURPOSE: Replace Dock
 DATUM: N/A
 ADJACENT PROPERTY OWNERS:

0 25 50
 SCALE IN FEET
 ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632

NOTE(S):
 1. Base map from Alpha Technical Group, Inc.



PROPOSED: Piling replacement

IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 5 OF 14
 DATE: 7/19/2012

CENTRAL PLATFORM SECTION

APPLICANT: Emerald Kalama Chemical
 PROJECT NAME: Dock Replacement
 REFERENCE #: NWS-2012-00179
 SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

PURPOSE: Replace Dock

DATUM: N/A
 ADJACENT PROPERTY OWNERS:



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632

NOTE(S):
 1. Base map from Alpha Technical Group, Inc.

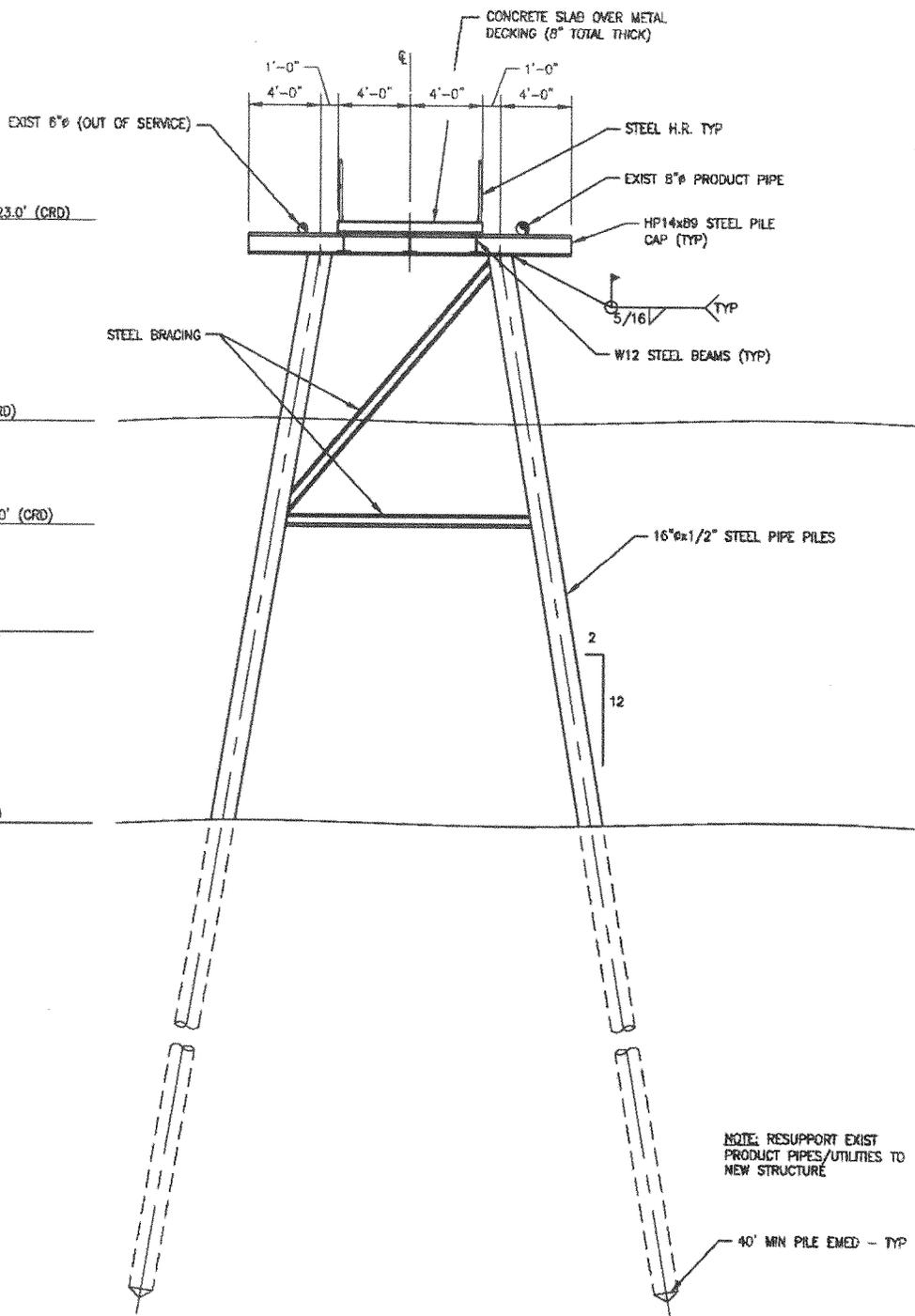
T.O. CONCRETE EL.+23.0' (CRD)
MATCH EXIST

O.H.W. EL.+11.8' (CRD)

B.O. BRACING EL.+6.0' (CRD)

EL.00.0' (CRD)

MUDLINE EL. (VARIES)



NOTE: RESUPPORT EXIST
PRODUCT PIPES/UTILITIES TO
NEW STRUCTURE

40' MIN PILE EMBED - TYP

PROPOSED: Piling replacement

IN Columbia River
NEAR: Kalama
COUNTY: Cowlitz STATE: WA
SHEET 6 OF 14
DATE: 7/19/2012

ACCESS TRESTLE SECTION

APPLICANT: Emerald Kalama Chemical
PROJECT NAME: Dock Replacement
REFERENCE #: NWS-2012-0079
SITE LOCATION ADDRESS:
380 W Marine Dr
Kalama, WA 98625

PURPOSE: Replace Dock

DATUM: N/A

ADJACENT PROPERTY OWNERS:



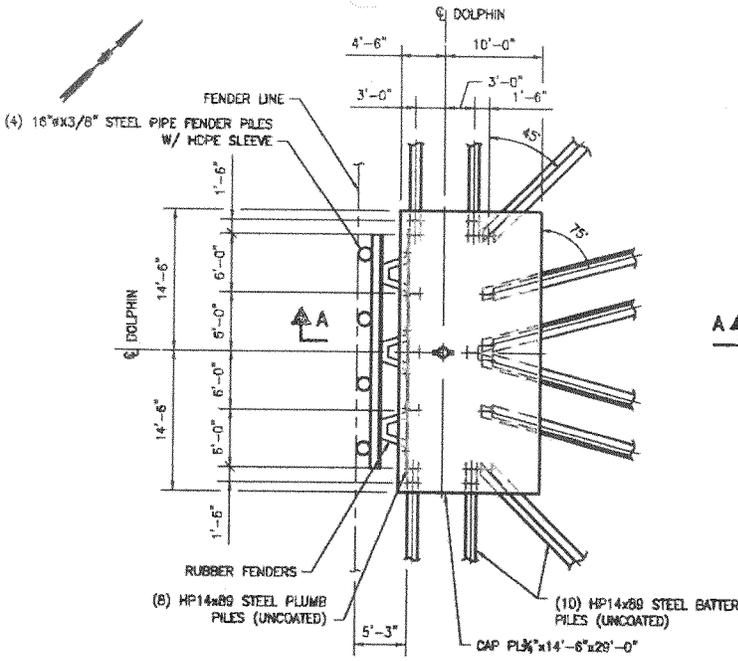
SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.

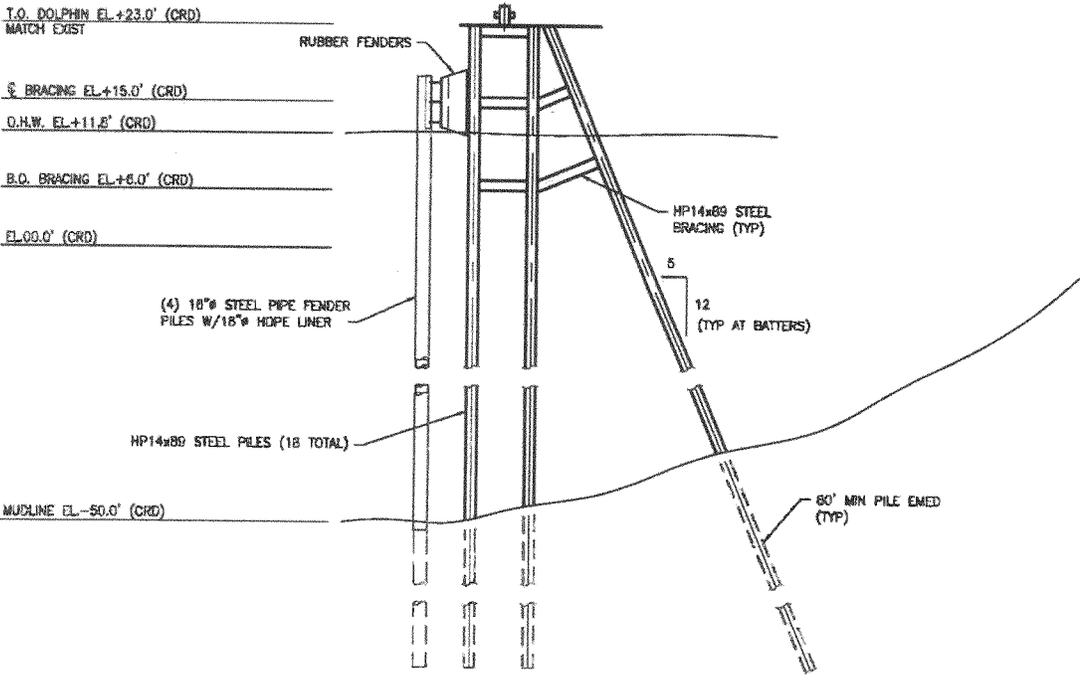
1157 3rd Avenue, Suite 220
Longview, WA 98632

NOTE(S):

1. Base map from Alpha Technical Group, Inc.



ENLARGED PLAN - DOLPHIN #2, 4, 5 (BREASTING)



NOTE(S):

1. Base map from Alpha Technical Group, Inc.

PROPOSED: Piling replacement
 IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 7 OF 14
 DATE: 7/19/2012

BREASTING DOLPHIN SECTION
APPLICANT: Emerald Kalama Chemical
PROJECT NAME: Dock Replacement
REFERENCE #: MW5-2012-0071
SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

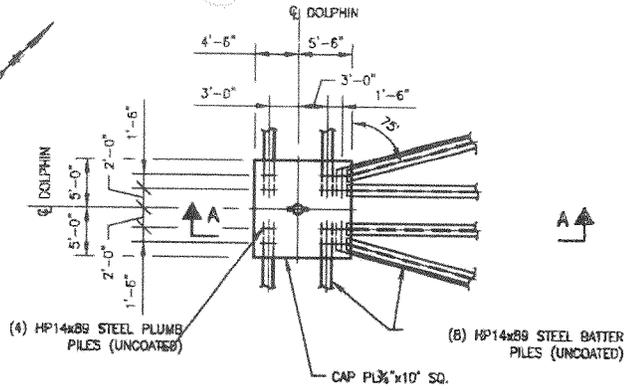
PURPOSE: Replace Dock

DATUM: N/A
ADJACENT PROPERTY OWNERS:



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632



ENLARGED PLAN - DOLPHIN #6 (MOORING)

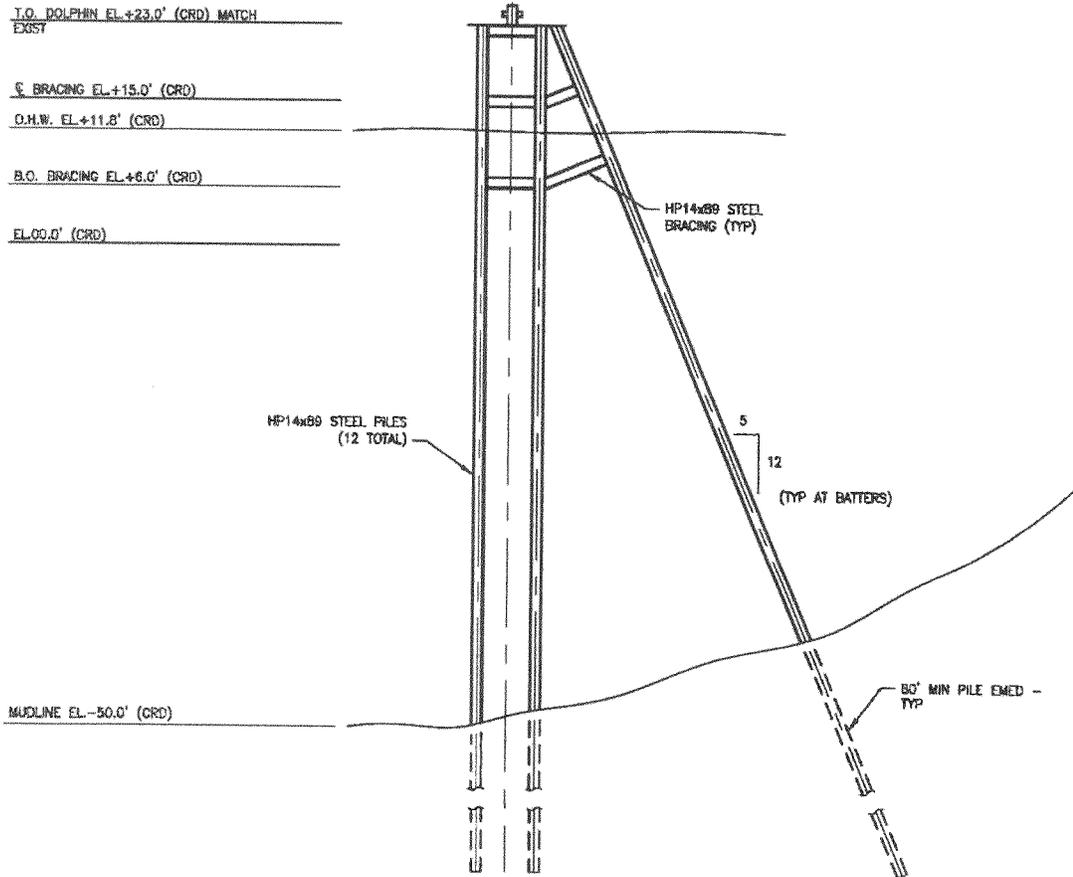
T.O. DOLPHIN EL. +23.0' (CRD) MATCH
EXIST

℄ BRACING EL. +15.0' (CRD)

O.H.W. EL. +11.8' (CRD)

B.O. BRACING EL. +6.0' (CRD)

EL. 00.0' (CRD)



PROPOSED: Piling replacement

IN Columbia River

NEAR: Kalama

COUNTY: Cowlitz STATE: WA

SHEET 8 OF 14

DATE: 7/19/2012

MOORING DOLPHIN SECTION

APPLICANT: Emerald Kalama Chemical

PROJECT NAME: Dock Replacement

REFERENCE #: NWS-2012-0079

SITE LOCATION ADDRESS:

380 W Marine Dr

Kalama, WA 98625

PURPOSE: Replace Dock

DATUM: N/A

ADJACENT PROPERTY OWNERS:



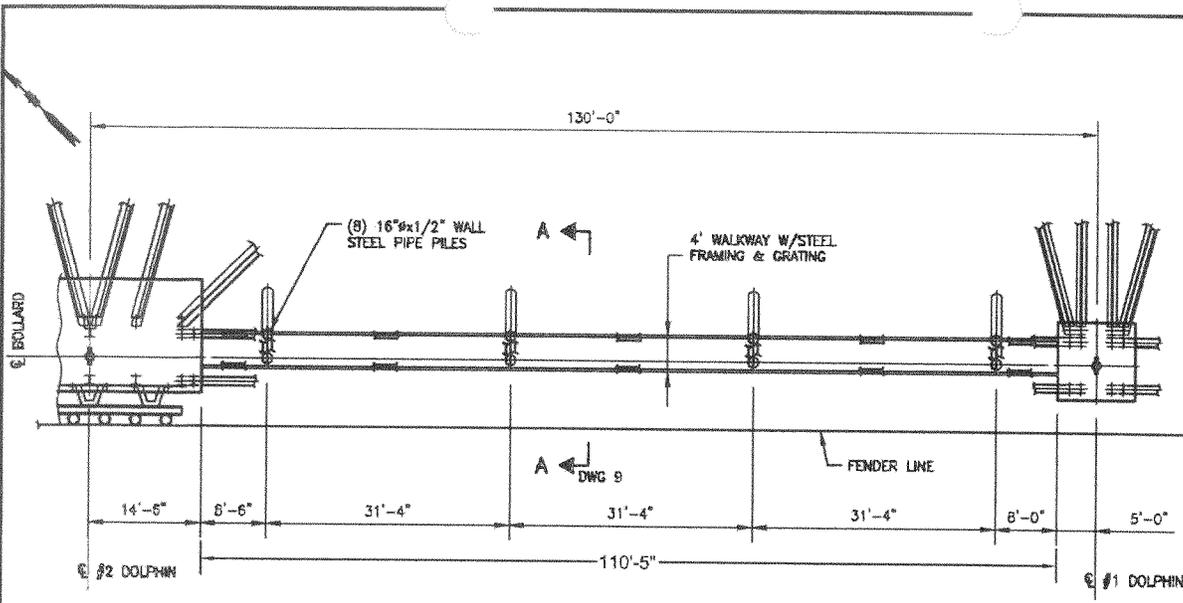
SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.

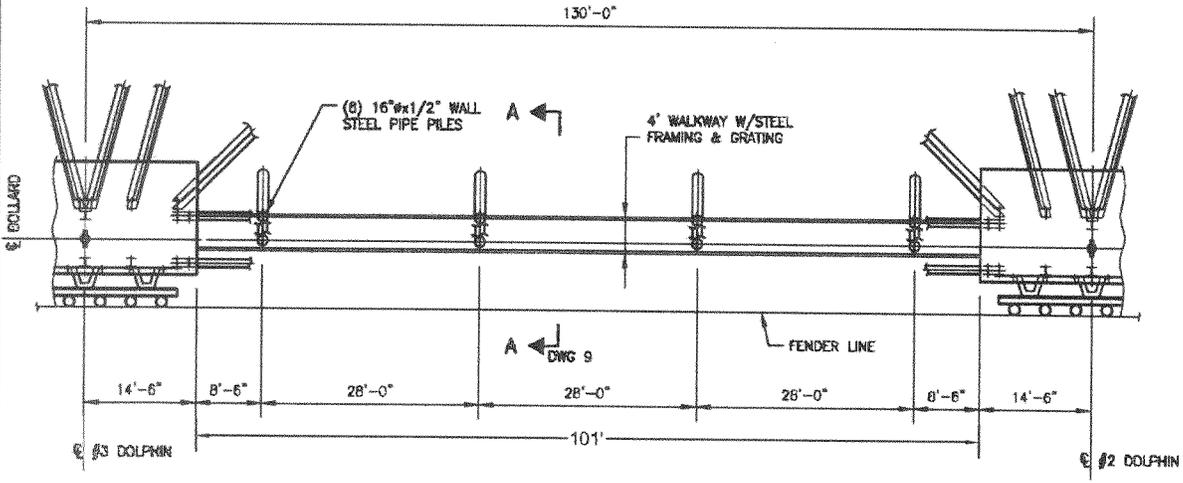
1157 3rd Avenue, Suite 220
Longview, WA 98632

NOTE(S):

1. Base map from Alpha Technical Group, Inc.



CATWALK PLAN - DOLPHIN #1/2 (SIM @ DOLPHIN # 5/6)



CATWALK PLAN - DOLPHIN #2/3 (SIM @ DOLPHIN # 4/5)

PROPOSED: Piling replacement
 IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 9 OF 14
 DATE: 7/19/2012

CATWALK PLAN SECTION
 APPLICANT: Emerald Kalama Chemical
 PROJECT NAME: Dock Replacement
 REFERENCE #: NWS-2012-0079
 SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

PURPOSE: Replace Dock

DATUM: N/A
ADJACENT PROPERTY OWNERS:

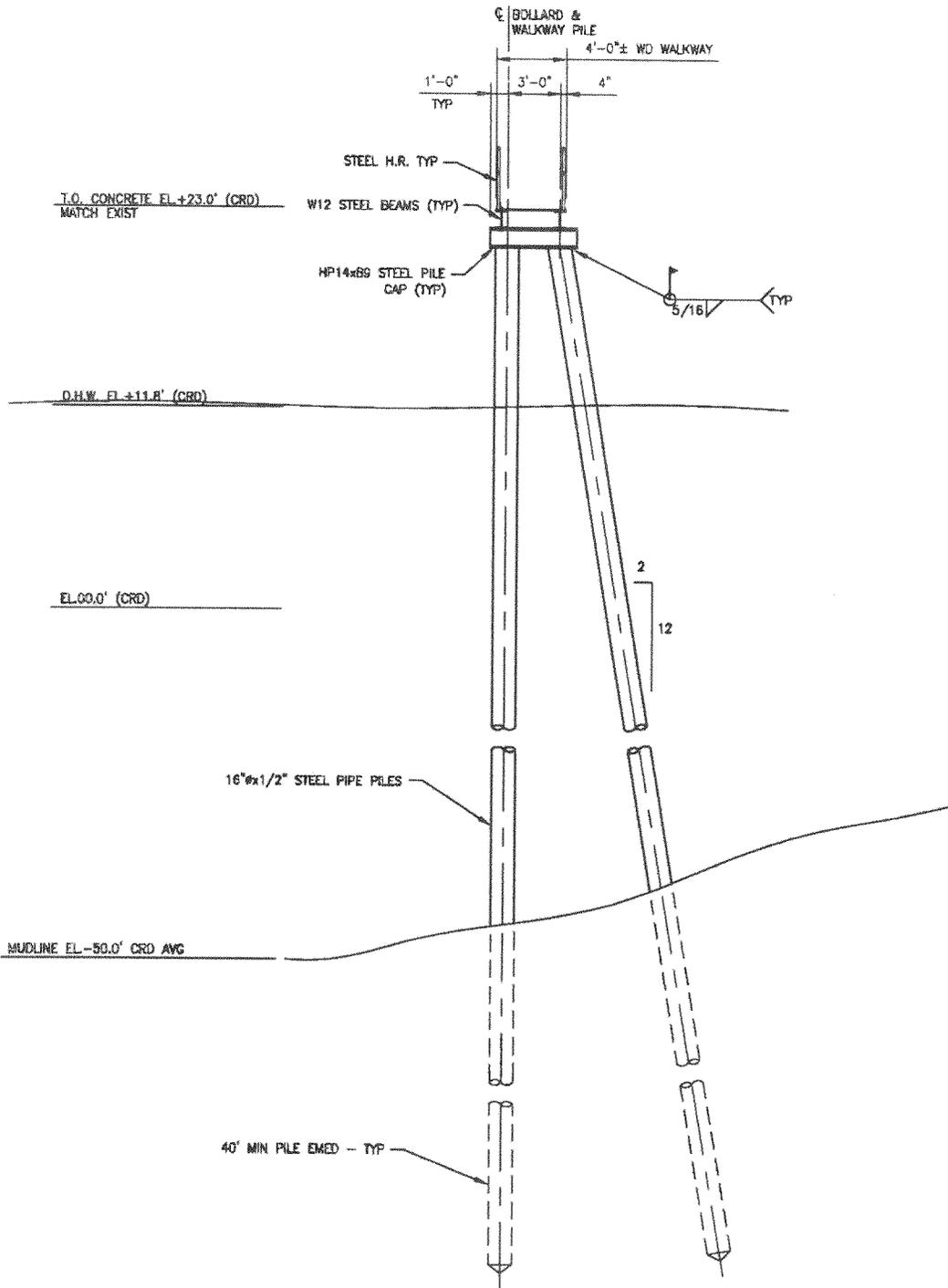


SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632

NOTE(S):

1. Base map from Alpha Technical Group, Inc.



NOTE(S):

1. Base map from Alpha Technical Group, Inc.



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632

PURPOSE: Replace Dock

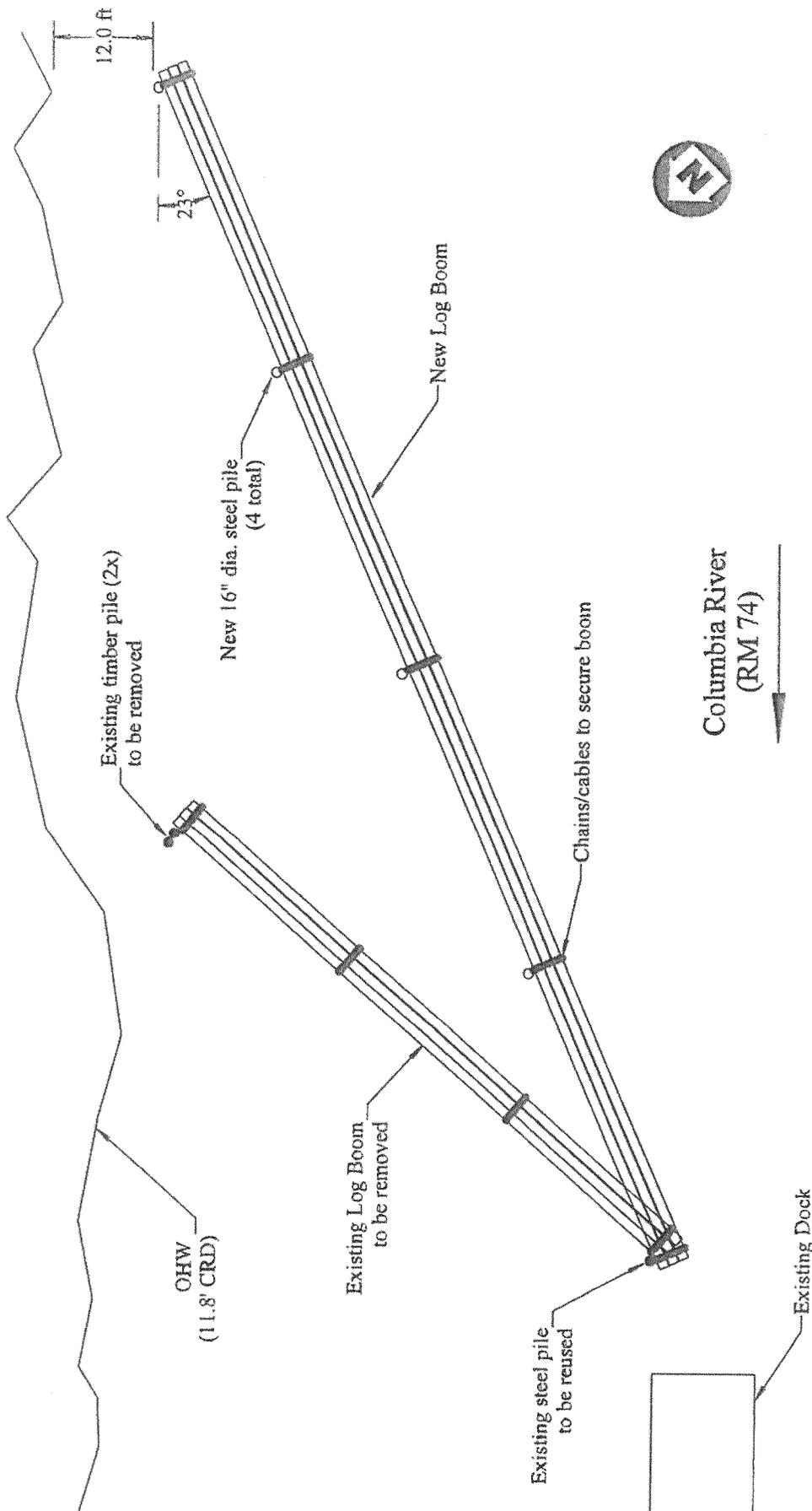
DATUM: N/A

ADJACENT PROPERTY OWNERS:

CATWALK SECTION
 APPLICANT: Emerald Kalama Chemical
 PROJECT NAME: Dock Replacement
 REFERENCE #: MW5-2012-00099
 SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

PROPOSED: Piling replacement

IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 10 OF 14
 DATE: 7/19/2012



Columbia River
(RM 74)

- NOTE(S):**
1. Base map from Alpha Technical Group, Inc.
 2. All elevations referenced to Columbia River Datum (CRD).

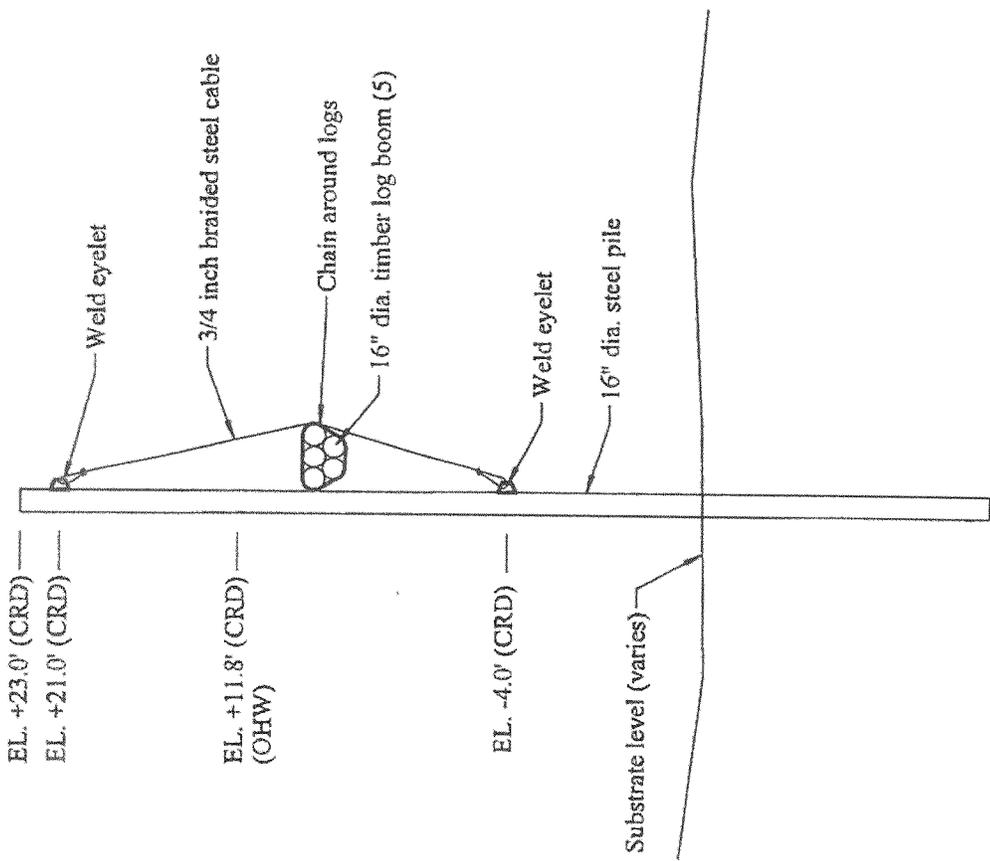
0 20 40
SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
1157 3rd Avenue, Suite 220
Longview, WA 98632

PURPOSE: Replace Dock
DATUM: CRD
ADJACENT PROPERTY OWNERS:

DEBRIS BOOM PLAN VIEW
APPLICANT: Emerald Kalama Chemical
PROJECT NAME: Dock Replacement
REFERENCE #: *MWS-2012-0079*
SITE LOCATION ADDRESS:
380 W Marine Dr
Kalama, WA 98625

PROPOSED: Piling replacement
IN Columbia River
NEAR: Kalama
COUNTY: Cowlitz STATE: WA
SHEET 11 OF 14
DATE: 7/19/2012



NOTE(S):

1. Base map from Alpha Technical Group, Inc.
2. All elevations referenced to Columbia River Datum (CRD).



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 220
 Longview, WA 98632

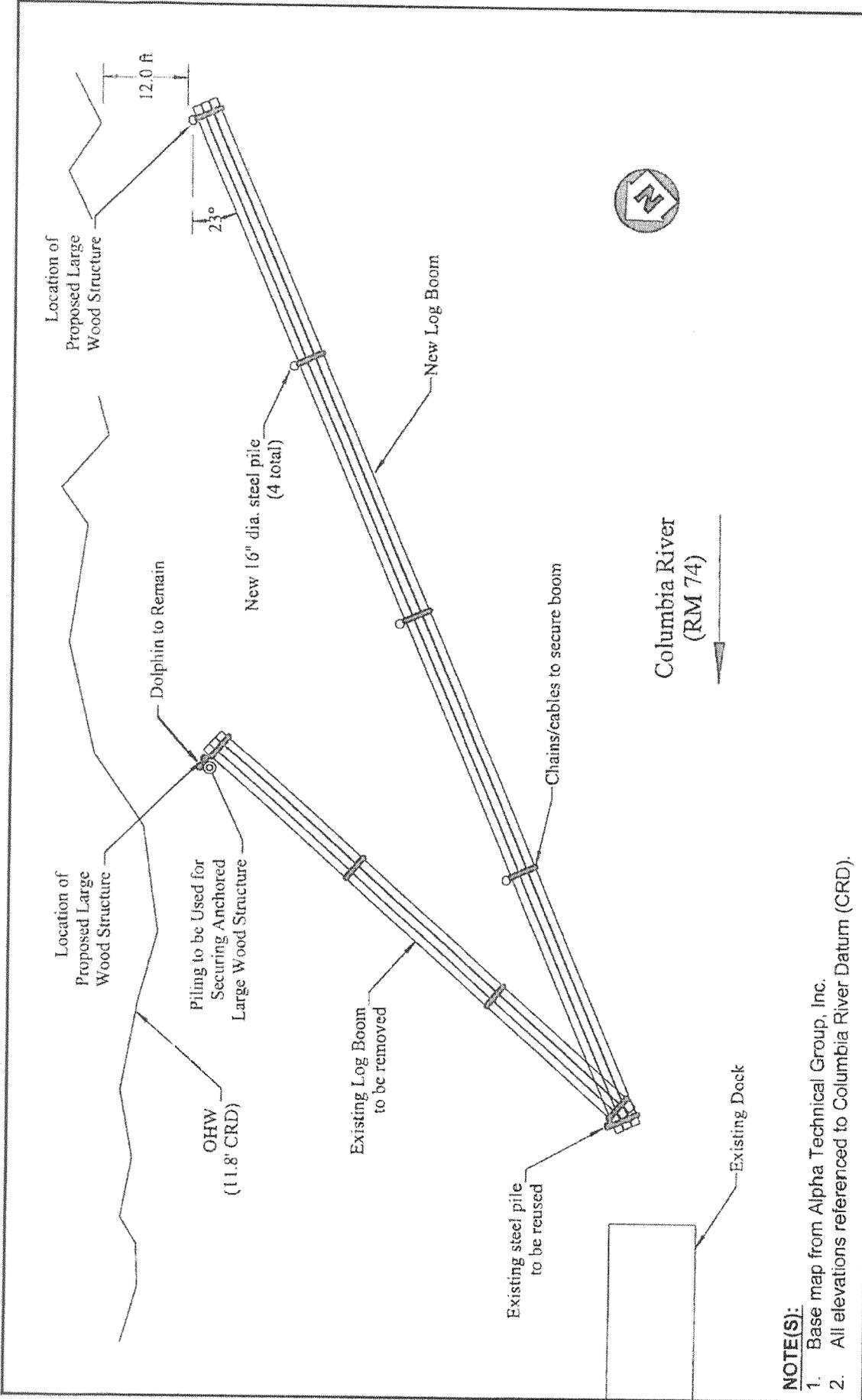
PURPOSE: Replace Dock

DATUM: CRD
 ADJACENT PROPERTY OWNERS:

DEBRIS BOOM ELEVATION
 APPLICANT: Emerald Kalama Chemical
 PROJECT NAME: Dock Replacement
 REFERENCE #: *NWS-2012-0079*
 SITE LOCATION ADDRESS:
 380 W Marine Dr
 Kalama, WA 98625

PROPOSED: Piling replacement

IN Columbia River
 NEAR: Kalama
 COUNTY: Cowlitz STATE: WA
 SHEET 12 OF 14
 DATE: *7/19/2012*



NOTE(S):

1. Base map from Alpha Technical Group, Inc.
2. All elevations referenced to Columbia River Datum (CRD).



SCALE IN FEET

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Avenue, Suite 210
 Longview, WA 98632

PURPOSE: Replace Dock

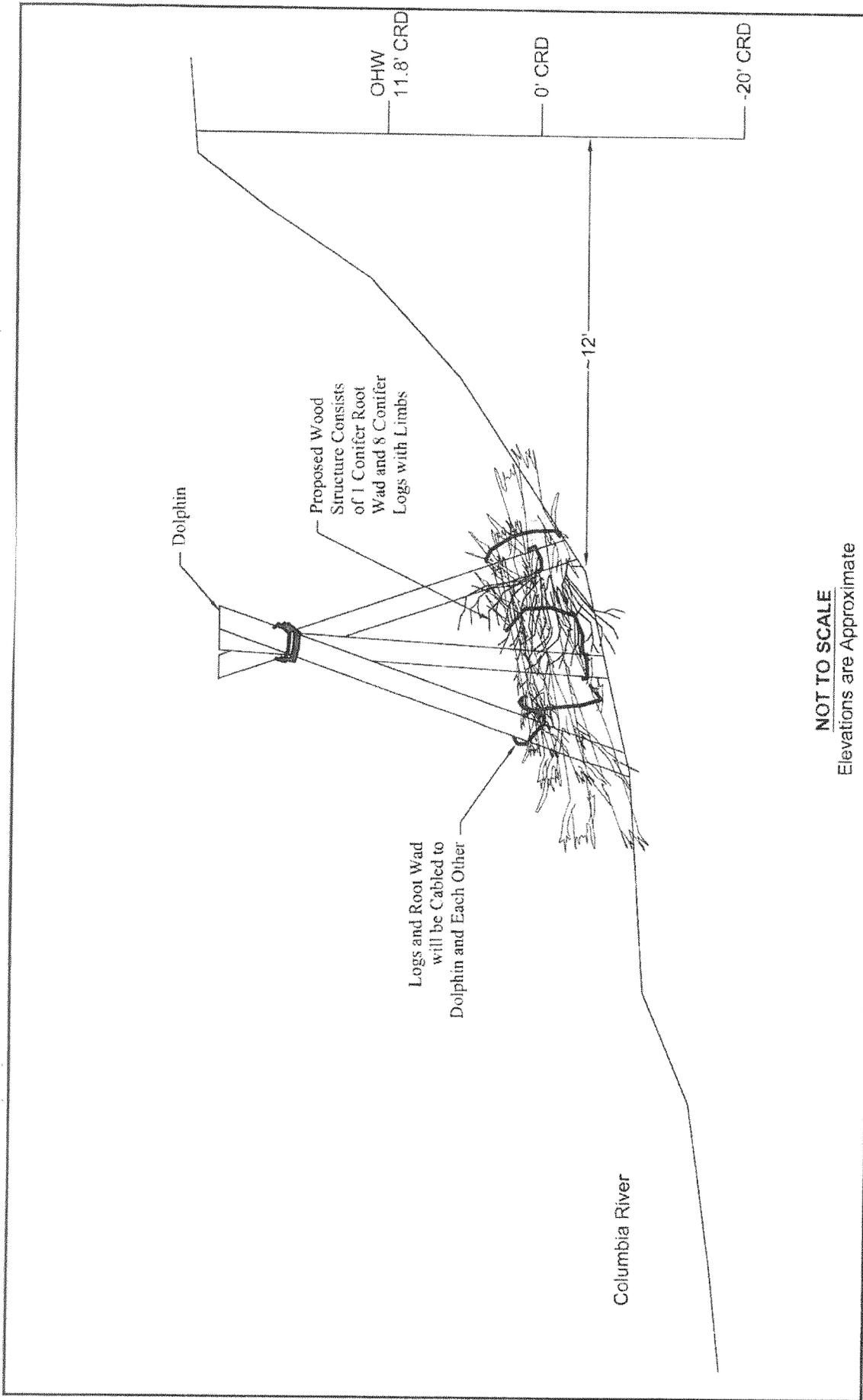
DATUM: CRD
ADJACENT PROPERTY OWNERS:

MITIGATION LOCATION

APPLICANT: Emerald Kalama Chemical
PROJECT NAME: Dock Replacement
REFERENCE #: *NWS-2012-0079*
SITE LOCATION ADDRESS:
 1296 Third St. NW
 Kalama, WA 98625

PROPOSED: Piling replacement

IN Columbia River
NEAR: Kalama
COUNTY: Cowlitz
STATE: WA
SHEET 13 OF 14
DATE: 7/19/12



<p>PURPOSE: Replace Dock</p> <p>DATUM: N/A</p> <p>ADJACENT PROPERTY OWNERS:</p>	<p>CROSS SECTION OF PROPOSED WOODY STRUCTURE</p> <p>APPLICANT: Emerald Kalama Chemical</p> <p>PROJECT NAME: Dock Replacement</p> <p>REFERENCE #: MWS-2012-0079</p> <p>SITE LOCATION ADDRESS: 1296 Third St. NW Kalama, WA 98625</p>	<p>PROPOSED: Piling replacement</p> <p>IN Columbia River</p> <p>NEAR: Kalama</p> <p>COUNTY: Cowlitz STATE: WA</p> <p>SHEET 14 OF 14</p> <p>DATE: 7/19/12</p>
<p>ECOLOGICAL LAND SERVICES, INC. 1157 3rd Avenue, Suite 220 Longview, WA 98632</p> 