FIGURE 1: VICINITY MAP

PURPOSE: BERTH 601 FENDER, RUB RAIL, AND DOLPHIN REHABILITATION

SECTION 24, T2N R1W
LATITUDE: 45.647226°
LONGITUDE: -122.757000°

FEBRUARY 2019

REFERENCE:
APPLICANT: Port of Portland
COUNTY OF: Multnomah
STATE OF: OR

ADJACENT PROPERTY OWNERS:
City of Portland Parks and Rec.
FIGURE 2: TAXLOT MAP

PURPOSE: BERTH 601 FENDER, RUB RAIL, AND DOLPHIN REHABILITATION

SECTION 24, T2N R1W
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FIGURE 3: TOPOGRAPHIC MAP

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
COLUMBIA RIVER

SCALE: IN FEET

0' 25' 50' 100' 150'

110'-6"± *
69'-4"±

140'-0"±
254'-0"±

159'-6"±
29'-6"±*

61'-9" 1/2"±

HARBOR LINE

FEDERAL NAVIGATION
CHANNEL LIMITS

79'-6"±

43'-0"±

C ACCESS TRESTLE

NEW BREASTING DOLPHIN  2
NEW GROTTED WALKWAY (SEE FIGURE 6)

100'-0" L

APPROXIMATE OHWM LINE (+20.3' NAVD.88) (15.2' CRD)

ALL WORK IS WATERWARD OF THE OHWM, AND THERE ARE NO
TREES OR VEGETATION WITHIN THE PROJECT LIMITS.

ACCESS TRESTLE

PROJECT LIMITS

CITY OF PORTLAND

ENVIRONMENTAL
CONSERVATION ZONE

25-FOOT TRANSITION ZONE

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FIGURE 4: PROJECT OVERVIEW PLAN

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FIGURE 5: NEW BREASTING DOLPHIN
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FIGURE 6: NEW GRATED WALKWAY

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1/8" RADIUS ON OUTSIDE EDGES

COVER PL 1/2" ROLLED TO A 2'-0" ID

24" DIA. STEEL PIPE PILE

DAMAGED PIPE SECTION

SECTION - PILE REPAIR

DOLPHIN CAP

24" DIA STEEL PIPE PILE, TYP

VARIES - SEE SCHEDULE

CENTER PLATE ON DAMAGE EACH WAY

PROVIDE 1" RADIUS AT PLATE CORNERS

DAMAGED REGION, FOR SIZE & LOCATION, SEE SCHEDULE

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FIGURE 7: STRUCTURAL PILE REPAIRS

BergerABAM

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NOTE(S):
1. CUT EXISTING 1/4" WELD CONNECTION BETWEEN EXISTING 24" O.D. PILE AND STIFFENER PLATE. REPLACE WELD AFTER NEW PILE IS INSTALLED.
EXIST VESSEL HULL

TYP PL 1/2"x6", MATCH PLATE LENGTH & BOLT HOLE LOCATION ACCORDING TO ANGLE BELOW, TYP

1" DIA. ANCHOR BOLT, GALV, TYP

EXIST L5x5 OR L6x6 ANGLE, REPLACE IN KIND, AS REQ'D (ASSUME 15 PLACES), TYP

S-12 PL 1/2", MATCH EXIST ANGLE LENGTH AND LOCATION, TYP

3/4" = 1'-0" 1

8x16 PLASTIC TIMBER, FIELD VERIFY REQ'D LENGTH PRIOR TO FABRICATION (2 ROWS, TYP)

1" DIA. ANCHOR BOLT, GALV, TYP

EXIST L5x5 OR L6x6 ANGLE, REPLACE IN KIND, AS REQ'D (ASSUME 15 PLACES), TYP

RUB RAIl REPAIR

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FIGURE 9: RUBRAIL REPLACEMENT

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FIGURE 10: COMPENSATORY MITIGATION

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Legend

- Piles for Removal
- Project Site
FIGURE 11: PHOTOGRAPHS

1. View upstream from existing dock towards location of new dolphin.

2. Rub Rail to be Replaced

3. Structural Pile Repairs (Typical)

4. Fender Piles to be Replaced (Typical)

5. Piles for Removal (Typical)

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