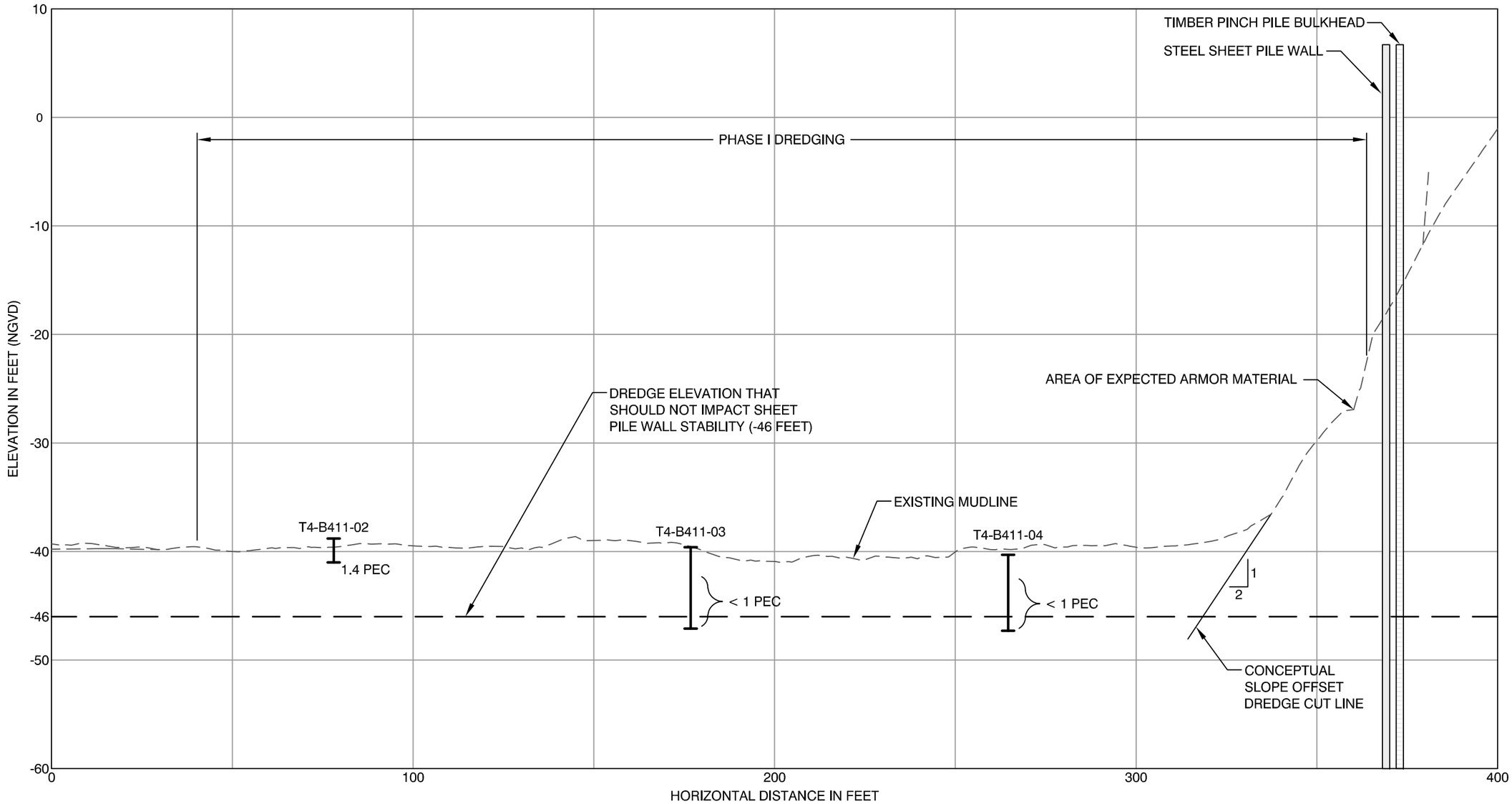

SECTION A

NOTES:
1. HORIZONTAL DATUM: PORT OF PORTLAND LOCAL PROJECTION (INTERNATIONAL FEET)
   VERTICAL DATUM: NGVD 29-47
   CONTOUR INTERVAL = 1FT
2. BATHYMETRIC SURVEY BY PORT OF PORTLAND DATED NOVEMBER, 2007

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THIS DOCUMENT HAS NOT BEEN REVIEWED OR APPROVED BY USEPA AND ITS FEDERAL, STATE, AND TRIBAL PARTNERS AND IS SUBJECT TO CHANGE IN WHOLE OR IN PART.

LEGEND:

T4-B411-02 — EXISTING CORE LOCATION

0 30
HORIZONTAL SCALE IN FEET
0 10
VERTICAL SCALE IN FEET

Dec 18, 2007 10:41am tgriga K:\Jobs\050332-PORT_OF_PORTLAND\05033201 TERMINAL 4\60 PERCENT\BA\05033201-BA11.dwg BA11

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 11
Cross Section A
Phase I of the Removal Action - Biological Assessment
Portland, Oregon

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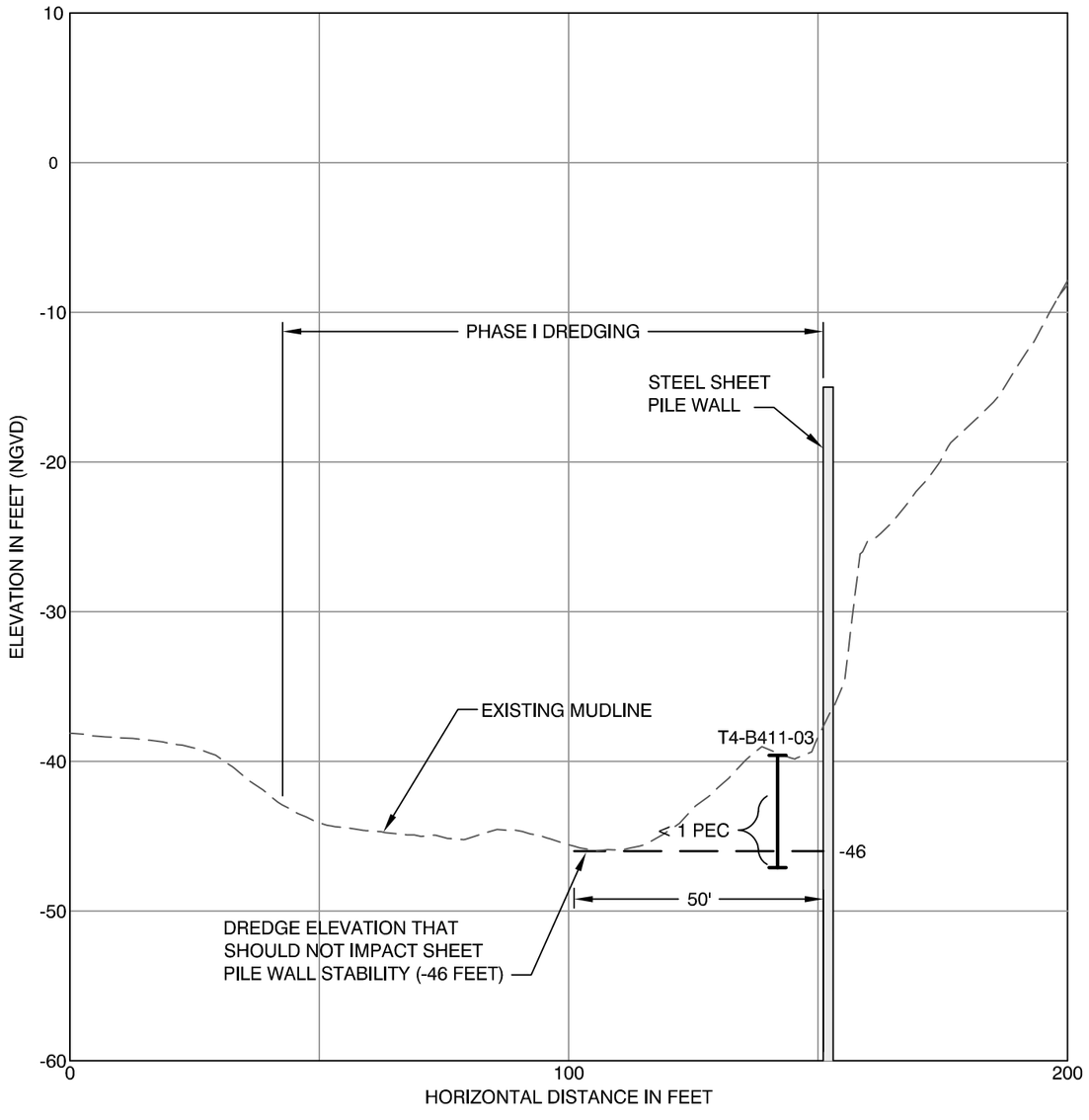


SECTION B

NOTES:
1. HORIZONTAL DATUM: PORT OF PORTLAND
   LOCAL PROJECTION (INTERNATIONAL FEET)
   VERTICAL DATUM: NGVD 29-47
   CONTOUR INTERVAL = 1FT
2. BATHYMETRIC SURVEY BY PORT OF PORTLAND
   DATED NOVEMBER, 2007

LEGEND:

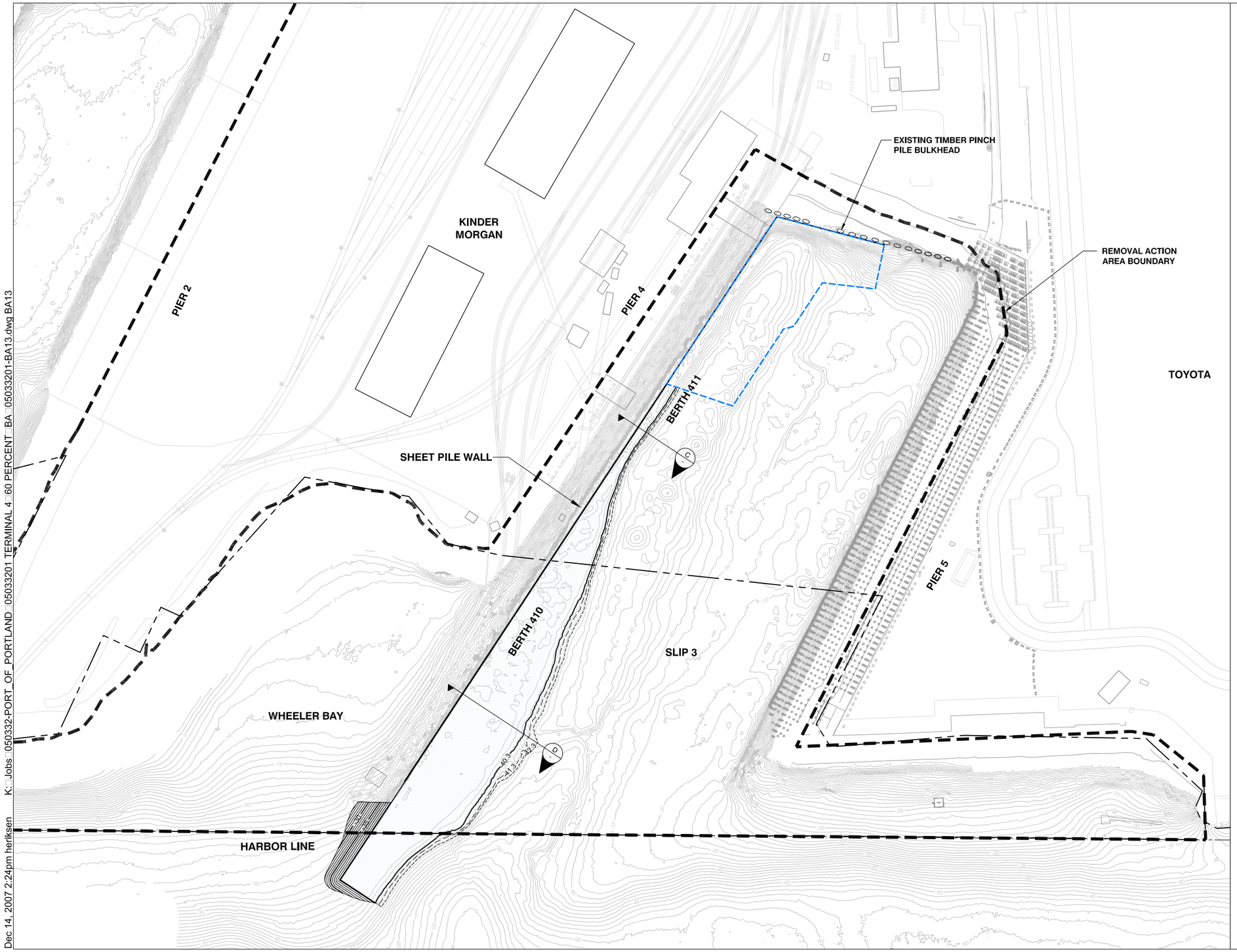
T4-B411-02 — EXISTING CORE LOCATION

0 30
HORIZONTAL SCALE IN FEET
0 10
VERTICAL SCALE IN FEET

K:\Jobs\050332-PORT_OF_PORTLAND\05033201 TERMINAL 4\60 PERCENT\BA\05033201-BA12.dwg BA12
Dec 18, 2007 10:40am tgriga

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 12
Cross Section B
Phase I of the Removal Action - Biological Assessment
Portland, Oregon



BERTH 410 DREDGING AREA

CROSS SECTION NOTATION AND LOCATION

"BERTH 411 PLUS" DREDGING AREAS

DSL PROPERTY LINE

NOTES:
1. HORIZONTAL DATUM: PORT OF PORTLAND
   LOCAL PROJECTION (INTERNATIONAL FEET)
   VERTICAL DATUM: NGVD 29-47
   CONTOUR INTERVAL = 1FT
2. BATHYMETRIC SURVEY BY PORT OF PORTLAND
   DATED MAY, 2007

0 80 160
SCALE IN FEET

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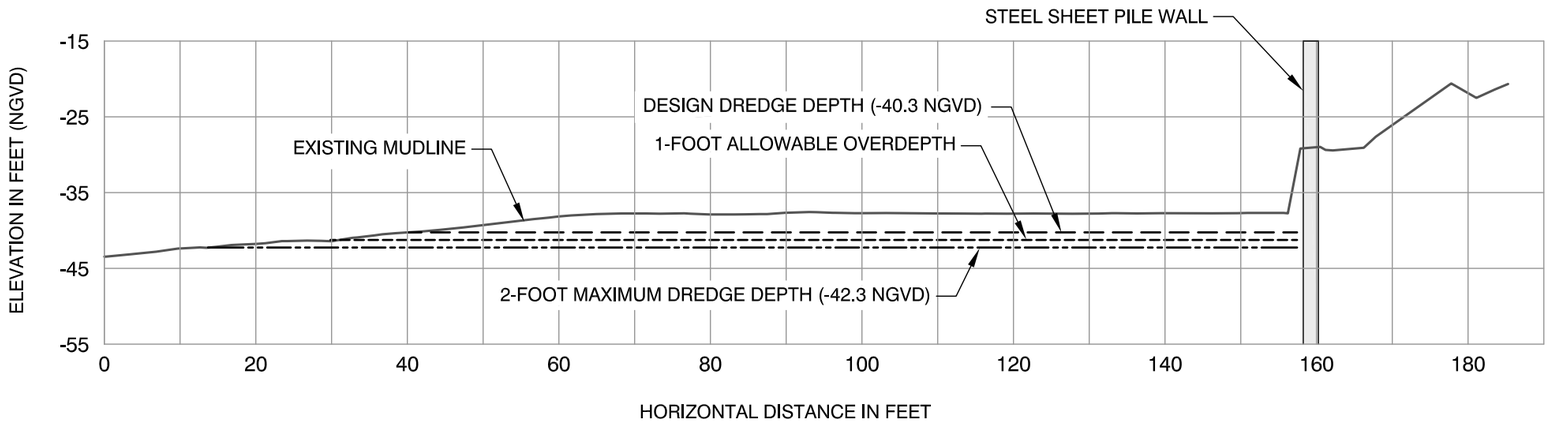
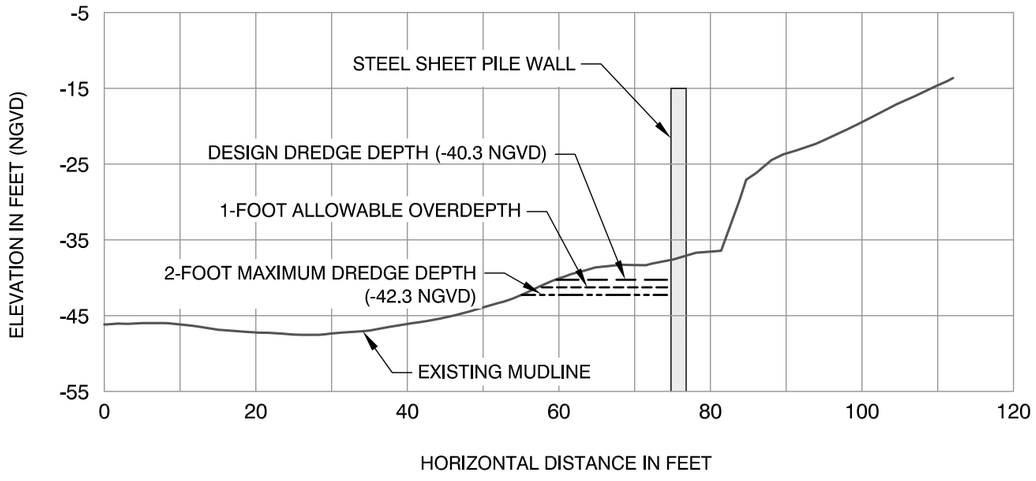
Dec 14, 2007 2:24pm heriksen K:\Jobs\050332-PORT_OF_PORTLAND\05033201 TERMINAL 4\60 PERCENT_BA\05033201-BA13.dwg BA13

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 13
Dredge Plan at Berth 410
Phase I of the Removal Action - Biological Assessment
Portland, Oregon



CROSS SECTION C
BERTH 410



CROSS SECTION D
BERTH 411

0 20
SCALE IN FEET

NOTES:
1. HORIZONTAL DATUM: PORT OF PORTLAND
   LOCAL PROJECTION (INTERNATIONAL FEET)
   VERTICAL DATUM: NGVD 29-47
   CONTOUR INTERVAL = 1FT
2. BATHYMETRIC SURVEY BY PORT OF PORTLAND
   DATED NOVEMBER, 2007

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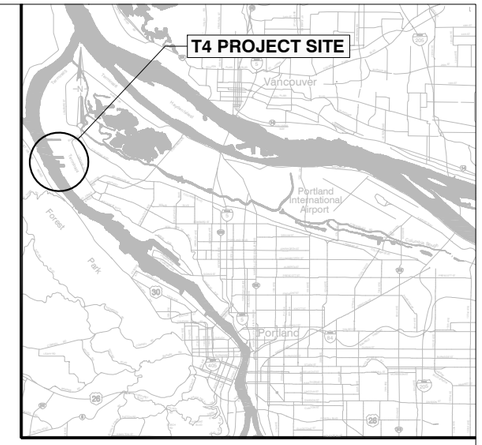
Dec 14, 2007 2:30pm heriksen K:\Jobs\050332-PORT_OF_PORTLAND\050033201 TERMINAL 4\60 PERCENT\BA\050033201-BA14.dwg BA14

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 14
Cross Sections A and B from the Berth 410 Dredging Area
Phase I of the Removal Action - Biological Assessment
Portland, Oregon



VICINITY MAP
SCALE: N.T.S.

HORIZONTAL DATUM: PORT OF PORTLAND
LOCAL PROJECTION (INTERNATIONAL FEET)
VERTICAL DATUM: NGVD 29-47
CONTOUR INTERVAL = 1 FT

MESH LEAD PANEL
BUBBLE CURTAIN
CONCEPTUAL FISH PASSAGE DIVERSION
REMOVAL ACTION AREA BOUNDARY

0 80 160
SCALE IN FEET

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K:\Jobs\050332-PORT_OF_PORTLAND\05033201 TERMINAL 4160 PERCENT\BA\05033201-BA15.dwg BA15
Dec 19, 2007 12:55pm tgriga

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 15
Fish Deterrent System
Phase I of the Removal Action - Biological Assessment
Portland, Oregon