



November 2, 2010

Sean Sheldrake
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Suite 900
Mailstop ECL-115
Seattle, WA 98101-3140

**Subject: Terminal 4 Removal Action – Wheeler Bay Bank Repairs
Construction Weekly Progress Report for October 25 through 29, 2010**

Dear Sean:

This weekly status report contains information related to the implementation of the Terminal 4 Removal Action – Wheeler Bay Bank Repairs as required by the Administrative Order on Consent (AOC) between the Port of Portland (Port) and the U.S. Environmental Protection Agency (USEPA) signed on October 2, 2003. The reporting period covered by this letter is October 25 to 29, 2010.

SIGNIFICANT DEVELOPMENTS

- Construction activities concluded.

CONSTRUCTION ACTIVITIES PERFORMED

- Imported plantings and bark mulch.
- Repaired silt fence damaged by heavy rain.
- Continued installing coir fabric.
- Placed habitat material on toe of constructed riprap slope.
- Placed top soils.
- Installed plantings.
- Repaired irrigational lines.
- Cleaned and demobilized construction equipment.
- Cleared garbage and debris from shoreline.

PROBLEMS ENCOUNTERED AND PROPOSED SOLUTIONS

- None.

MONITORING ACTIVITIES PERFORMED

- Visual observations of erosion control measures and Wheeler Bay surface water. Erosion control structure working as designed. No turbidity evidence within Wheeler Bay.

SUMMARY OF MONITORING DATA COLLECTED AND RECEIVED

- None

SCHEDULE OF ACTIVITIES TO BE PERFORMED DURING NEXT REPORTING PERIOD

- None. Project complete.

If you have any questions, please call me at (503) 415-6676.

Sincerely,



Kelly Madalinski
Environmental Project Manager
Port of Portland

Attachments:

- Attachment A: Port of Portland Daily Construction Reports
- Attachment B: NEI Daily Construction and Quality Control Reports

ATTACHMENT A
PORT OF PORTLAND DAILY CONSTRUCTION REPORTS



PROJECT	Terminal 4, Wheeler Bay Bank Repairs	CONTRACT NO.	10D015/820027
CONTRACTOR	Northwest Earthmovers	SUPERINTENDENT	Carl Johnson (NEI)
DAY OF WEEK & DATE:	Monday October 25, 2010	REPORT NO.	13
WEATHER	Partly Cloudy, NW wind 0-10 mph	TEMPERATURE	L:50 H:60 degrees F

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Construction Activities: 1-superintendent/equipment operator 1-operator/laborer/truck driver 2-laborers 1-landscape foreman 5-landscape laborers	1-Ford Service truck (OR 512701)/8 hours 1-Hitachi 160LC Excavator (N849)/8 hours 1-Cat IT28G (N710)/8 hours 4-steel plates (8' x 16')/8 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

- 07:00 NEI (Carl/Mike+2 laborers), AQ/POP (1-Stone) on site
NEI performing equipment inspection and safety checks
- 07:00-
- 07:30 NEI performing repairs to silt fence at base of access ramp
Silt fence damaged during heavy weekend rains
No turbidity observed in river at breached location
- 07:30-
- 10:30 PMX (1-John Howland) on site
NEI staking and stapling coir fabric installations
NEI chaining and securing LWD to anchor systems
- 10:30 NEI's landscaping contractor(6) delivers native plantings in 1 gallon pots
J. Durst, K. Madalinski, M. Hermans, R. Anderson (POP) on site to observe construction progress
- 10:45-
- 12:30 NEI continues staking and stapling coir fabric
NEI continues chaining and attaching LWD to anchor systems
NEI's subcontractor begins installing plantings working from 7+00 to 3+00
- 12:30-
- 13:00 Lunch break
- 13:30-
- 15:30 Lyle(POP maintenance) on site to observe planting procedures and inspect trees delivered by NEI subcontractor
NEI constructing rip rap transition section between stations 2+60 and 2+80 (placing rip rap and select fill per design)
NEI backfilling anchor pilot-holes with select fill between 0-20 and 2+50
- 15:45 NEI(4), NEI subcontractor(6), PMX(1), and AQ/POP(1) off site



Summary of contractor progress (reflects revised stationing layout by contractor):

- Rip rap base layer completed from approximately station 0-20 to 2+90
- Select fill base layer completed from approximately station 0-20 to 2+90
- Rip rap slope and 2-foot bench at elevation 16.5 completed from approximately station 0-20 to 2+50
- Select fill layer upgradient of 2-foot rip rap bench completed from approximately station 0-20 to 2+50
- Pre-existing woody debris cleared from work area from 0-20 to 7+00
- Logs placed and anchored from approximately stn. 4+20 to 6+80 and stn. 0-20 to 2+50
- Topsoil and coir fabric placed from stn. 0-20 to 2+50
- Topsoil and coir fabric placed in areas designated for repair from stn. 3+00 to 7+00
- Anchor systems driven and set from stn. 0-20 to 2+50

Persons on site 10/25/10:

Tim Stone(AQ/POP); Carl Johnson, Jeff Hargens, 2 laborers, Mike(NEI); John Howland (PMX); 6 persons (landscape sub); J. Durst, K. Madalinski, R. Anderson, Lyle, M. Hermans (POP)

Material delivery summary as of 10/25/10 (end-of-day):

	Units	Delivered 10/25 (units)	Delivery Verification Method	Preceding Delivered Total	Total Delivered for Project
Select Fill	tons	0	Scale ticket	162.88	162.88
Class 700 RR	tons	0	Scale ticket	427.48	427.48
Manta Ray anchors	pieces	0	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	72	72
Chain-3/4" Non-galvanized	feet	0	Visual inspection—consistent with spec	300	300
Chain-3/4" galvanized	feet	0	Visual inspection— OUT OF SPEC	0	0
Coir fabric	Square feet	0	Visual inspection—manufacturer tag (consistent with Sub. 6.0)	0	9711
Fabric staples	pieces	0	10"x10"x1"	0	1000
Wood stakes	pieces	0	2"x2"x2' df	0	100
Sandy loam	Cubic yards	0	Visual inspection and scale tickets	50	50
Large woody debris	pieces	0	Visual inspection and measurement	29	29
Native plantings	pieces	1800	Visual observation	0	1800

TESTS PERFORMED: None

PHONE LOG:
None.

SITE PHOTOS/VIDEOS TAKEN:
(attached below)

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:



<p>1- damage to silt fence near access ramp</p> <p>2- anchored LWD at top of constructed rip rap slope</p> <p>3- NEI subcontractor augering holes for native plantings</p> <p>4- completed native plantings</p> <p>*other photos of construction activities available but not attached to this document. Photos will be transmitted to Mary Green and she will make them available on the Port system.</p>	<p>None</p>
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INSPECTOR	Timothy J. Stone	HRS	9.0	DATE	10/25/10
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(signature on hardcopy)

PHOTO 1





PHOTO 2



PHOTO 3





PHOTO 4





PROJECT	Terminal 4, Wheeler Bay Bank Repairs	CONTRACT NO.	10D015/820027
CONTRACTOR	Northwest Earthmovers	SUPERINTENDENT	Carl Johnson (NEI)
DAY OF WEEK & DATE:	Tuesday October 26, 2010	REPORT NO.	14
WEATHER	Cloudy/Rain, NW wind 0-15 mph	TEMPERATURE	L:45 H:53 degrees F

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Construction Activities: 1-superintendent/equipment operator 1-operator/laborer/truck driver 2-laborers 1-landscape foreman 5-landscape laborers	1-Ford Service truck (OR 512701)/8 hours 1-Hitachi 160LC Excavator (N849)/8 hours 1-Cat IT28G (N710)/8 hours 4-steel plates (8' x 16')/8 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

07:00 NEI (Carl, Mike+1 laborers), AQ/POP (1-Stone) on site
 NEI performing equipment inspection and safety checks

07:30 Ingmar Saul (PMX) on site

07:00-
 07:30 NEI receives 1-trailer/transfer load of sandy loam

08:30 Jeff Hargens(NEI); and landscape subcontractor (6 persons) on site

07:30-
 09:00 NEI installing topsoil at transition from select fill to existing grade between stations 2+50 and 3+00

08:30-
 12:00 NEI subcontractor installing native plantings between stations 0-20 and 2+50

09:00-
 12:00 NEI installing anchors for LWD between 2+50 and 4+00
 NEI installing anchors at toe of rip rap slope for anchoring of LWD baskets to be reconstructed at approximately 0+00 and 2+50 (two anchors at toe of rip rap for each basket installation).

12:00-
 12:30 Lunch break

12:30-
 14:00 NEI subcontractor installing native plantings between stations 0-20 and 2+50
 NEI installing chains and shackles and securing LWD basket to anchor system at station 0+00

14:00 NEI landscape subcontractor(6) off site

14:45 Carl Johnson(NEI) off site
 Roger Anderson(POP) on site to observe construction progress

14:00-
 15:45 NEI installing chains and shackles and securing LWD to anchor systems between stations 2+00 and 2+80



16:00 NEI(2), PMX(1), and AQ/POP(1) off site

Summary of contractor progress (reflects revised stationing layout by contractor):

- Rip rap base layer completed from approximately station 0-20 to 2+90
- Select fill base layer completed from approximately station 0-20 to 2+90
- Rip rap slope and 2-foot bench at elevation 16.5 completed from approximately station 0-20 to 2+90
- Select fill layer upgradient of 2-foot rip rap bench completed from approximately station 0-20 to 2+90
- Pre-existing woody debris cleared from work area from 0-20 to 7+00
- Pre-existing woody debris replaced along shoreline from 5+00 to 7+00
- LWD placed and anchored from approximately stn. 4+20 to 6+80 and stn. 0-20 to 2+80
- Topsoil and coir fabric placed from stn. 0-20 to 3+00
- Topsoil and coir fabric placed in areas designated for repair from stn. 3+00 to 7+00
- Anchor systems driven and set from stn. 0-20 to 7+00 (including anchors for tree baskets at 0+00 and 2+50)

Persons on site 10/26/10:

Tim Stone(AQ/POP); Carl Johnson, Jeff Hargens, 1 laborer, Mike(NEI); Ingmar Saul (PMX); 6 persons (landscape sub); R. Anderson (POP)

Material delivery summary as of 10/26/10 (end-of-day):

	Units	Delivered 10/26 (units)	Delivery Verification Method	Preceding Delivered Total	Total Delivered for Project
Select Fill	tons	0	Scale ticket	162.88	162.88
Class 700 RR	tons	0	Scale ticket	427.48	427.48
Manta Ray anchors	pieces	0	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	72	72
Chain-3/4" Non-galvanized	feet	0	Visual inspection—consistent with spec	300	300
Chain-3/4" galvanized	feet	0	Visual inspection— OUT OF SPEC	0	0
Coir fabric	Square feet	0	Visual inspection—manufacturer tag (consistent with Sub. 6.0)	0	9711
Fabric staples	pieces	0	10"x10"x1"	0	1000
Wood stakes	pieces	0	2"x2"x2' df	0	100
Sandy loam	Cubic yards	25	Visual inspection and scale tickets	50	75
Large woody debris	pieces	0	Visual inspection and measurement	29	29
Native plantings	pieces	0	Visual observation	1800	1800

TESTS PERFORMED: None

PHONE LOG:
None.



<u>SITE PHOTOS/VIDEOS TAKEN:</u> (attached below)		<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>			
<p>1- placing topsoil at interface from select fill to existing grade near station 2+80</p> <p>2- NEI subcontractor installing native plantings near station 2+00</p> <p>3- re-constructed LWD basket at station 0+00</p> <p>4- overview of Wheeler Bay</p> <p>*other photos of construction activities available but not attached to this document. Photos will be transmitted to Mary Green and she will make them available on the Port system.</p>		None			
INSPECTOR	Timothy J. Stone	HRS	9.0	DATE	10/26/10

(signature on hardcopy)

PHOTO 1



PHOTO 2



PHOTO 3





PHOTO 4





PROJECT	Terminal 4, Wheeler Bay Bank Repairs	CONTRACT NO.	10D015/820027
CONTRACTOR	Northwest Earthmovers	SUPERINTENDENT	Carl Johnson (NEI)
DAY OF WEEK & DATE:	Wednesday October 27, 2010	REPORT NO.	15
WEATHER	Cloudy, NW wind 0-15 mph	TEMPERATURE	L:43 H:50 degrees F

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Construction Activities: 1-superintendent/equipment operator 1-operator/laborer/truck driver 1-laborer	1-Ford Service truck (OR 512701)/8 hours 1-Hitachi 160LC Excavator (N849)/8 hours 1-Cat IT28G (N710)/8 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

07:30 NEI (Carl, Mike+1 laborer), AQ/POP (1-Stone) on site
 NEI performing equipment inspection and safety checks
 Ingmar Saul (PMX) on site

08:30 Jeff Hargens(NEI) on site

07:30-

12:30 NEI recovering and placing habitat substrate mixture on toe of constructed rip rap slope between stations 0+29 and 3+00
 NEI grading disturbed areas of beach and placing naturally occurring woody debris at toe of rip rap slope between 0+20 and 4+00
 NEI removing silt fence from along shoreline between 0+20 and 3+25
 NEI re-constructing LWD basket at stations 0+00 and 2+50; completed installation of chain and attachment to anchor systems at LWD basket located at station 0+00

12:30-

13:00 Lunch break
 Carl Johnson(NEI) off site

13:00-

14:00 NEI installing coir fabric and staking to elevation 20 feet, across access ramp area between stations 2+50 and 2+90
 NEI and AQ/POP measuring areas repaired between stations 3+00 and 7+00 (see spreadsheet for dimensions)
 NEI installing silt fence across ramp repair area at approximately elevation 20 feet; and placing layer habitat mixture immediately above silt fence to secure to ground surface

14:00-

16:00 NEI placing sandy-loam above elevation 20 feet up to access gate for restoration of access ramp area
 NEI installing jute mat from gate area down to elevation 20 feet; jute mat anchored approximately 4 feet from top of slope in 1' deep anchor trench.
 NEI installs silt fence across repair area to repair pre-existing condition; NEI placing layer of habitat mixture immediately above silt fence to secure bottom of fence to ground surface

16:00 NEI(2), PMX(1), and AQ/POP(1) off site



Summary of contractor progress (reflects revised stationing layout by contractor):

- Rip rap base layer completed from approximately station 0-20 to 2+90
- Select fill base layer completed from approximately station 0-20 to 2+90
- Rip rap slope and 2-foot bench at elevation 16.5 completed from approximately station 0-20 to 2+90
- Select fill layer upgradient of 2-foot rip rap bench completed from approximately station 0-20 to 2+90
- Pre-existing woody debris cleared from work area from 0-20 to 7+00
- Pre-existing woody debris replaced along shoreline from 0-20 to 7+00
- LWD placed and anchored from approximately stn. 4+20 to 6+80 and stn. 0-20 to 2+80
- Topsoil and coir fabric placed from stn. 0-20 to 3+00
- Topsoil and coir fabric placed in areas designated for repair from stn. 3+00 to 7+00
- Anchor systems driven and set from stn. 0-20 to 7+00 (including anchors for tree baskets at 0+00 and 2+50)

Persons on site 10/27/10:

Tim Stone(AQ/POP); Carl Johnson, Jeff Hargens, 1 laborer, Mike(NEI); Ingmar Saul (PMX);

Material delivery summary as of 10/27/10 (end-of-day):

	Units	Delivered 10/26 (units)	Delivery Verification Method	Preceding Delivered Total	Total Delivered for Project
Select Fill	tons	0	Scale ticket	162.88	162.88
Class 700 RR	tons	0	Scale ticket	427.48	427.48
Manta Ray anchors	pieces	0	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	72	72
Chain-3/4" Non-galvanized	feet	0	Visual inspection—consistent with spec	300	300
Chain-3/4" galvanized	feet	0	Visual inspection— OUT OF SPEC	0	0
Coir fabric	Square feet	0	Visual inspection—manufacturer tag (consistent with Sub. 6.0)	0	9711
Fabric staples	pieces	0	10"x10"x1"	0	1000
Wood stakes	pieces	0	2"x2"x2' df	0	100
Sandy loam	Cubic yards	0	Visual inspection and scale tickets	75	75
Large woody debris	pieces	0	Visual inspection and measurement	29	29
Native plantings	pieces	0	Visual observation	1800	1800

TESTS PERFORMED: None

PHONE LOG:
None.



<u>SITE PHOTOS/VIDEOS TAKEN:</u> (attached below)		<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>			
<p>1- completed shoreline condition from 0-20 to 2+50</p> <p>2- completed shoreline condition from 3+00 to 7+00</p> <p>3- restoration of access ramp area below elevation 20 feet</p> <p>4- overview of Wheeler Bay</p> <p>5- anchor trench for jute mat at top of access ramp restoration area</p> <p>*other photos of construction activities available but not attached to this document. Photos will be transmitted to Mary Green and she will make them available on the Port system.</p>		None			
INSPECTOR	Timothy J. Stone	HRS	9.0	DATE	10/27/10

(signature on hardcopy)

PHOTO 1



PHOTO 2



PHOTO 3





PHOTO 4



PHOTO 5





PROJECT	Terminal 4, Wheeler Bay Bank Repairs	CONTRACT NO.	10D015/820027
CONTRACTOR	Northwest Earthmovers	SUPERINTENDENT	Carl Johnson (NEI)
DAY OF WEEK & DATE:	Thursday October 28, 2010	REPORT NO.	16
WEATHER	Cloudy, NW wind 0-15 mph	TEMPERATURE	L:43 H:50 degrees F

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Construction Activities: 1-superintendent/equipment operator 1-operator/laborer 3-bark mulch applicators 6-landscaping staff	1-Ford Service truck (OR 512701)/8 hours 1-Hitachi 160LC Excavator (N849)/4 hours-removed from site 1-Cat IT28G (N710)/9 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

- 07:00 NEI (Carl/Mike), AQ/POP (1-Stone) on site
NEI performing equipment inspection and safety checks
- 07:30 Ingmar Saul (PMX) on site
NEI installing staples in jute mat above elevation 20 feet
- 08:30 Jeff Hargens(NEI) on site
Kelly Madalinski (POP) on site
- 09:30 Ken Fellows(PMX) on site to conduct EPA inspection of project
EPA/PMX completion recommendations:
 1. clean up debris/garbage from shoreline
 2. remove 1 length of pressure treated post (identified by stamp on post—McCormick and Baxter)
- 10:30 Ken Fellows(PMX) and Kelly Madalinski(POP) off site
- 07:30-
- 13:00 NEI cleaning and demobilizing excavator—removed from site
NEI moving 2 surplus LWD to fenced holding area for native plantings
NEI grading staging area outside of fence above project area (between rails and fenceline).
NEI clearing garbage and debris from shoreline
NEI subcontractor placing bark mulch between stations 7+00 and 3+00 (50 cubic yards)
NEI subcontractor installing native plantings across access ramp repair area
- 13:00-
- 17:00 NEI subcontractor delivers second load (50 cubic yards) of bark mulch
NEI subcontractor placing bark mulch between stations 0-20 and 3+00
NEI repairing irrigation lines (POP to complete splicing of control wires)
NEI receives additional 60 feet of non-galvanized 3/4-inch chain
NEI installing chains and shackles and attaching remaining unanchored LWD to anchor systems
NEI completes installation of 4 tiered layers of silt fence and back fills with habitat mixture



Summary of contractor progress (reflects revised stationing layout by contractor):

- Rip rap base layer completed from approximately station 0-20 to 2+90
- Select fill base layer completed from approximately station 0-20 to 2+90
- Rip rap slope and 2-foot bench at elevation 16.5 completed from approximately station 0-20 to 2+90
- Select fill layer upgradient of 2-foot rip rap bench completed from approximately station 0-20 to 2+90
- Pre-existing woody debris cleared from work area from 0-20 to 7+00
- Pre-existing woody debris replaced along shoreline from 0-20 to 7+00
- LWD placed and anchored from station 0-20 to 7+00
- Topsoil and coir fabric placed from stn. 0-20 to 3+00
- Topsoil and coir fabric placed in areas designated for repair from stn. 3+00 to 7+00
- Anchor systems driven and set from stn. 0-20 to 7+00 (including anchors for tree baskets at 0+00 and 2+50)
- Bark mulch completed between stations 0-20 and 7+00

Persons on site 10/28/10:

Tim Stone(AQ/POP); Carl Johnson, Jeff Hargens, 1 laborer, Mike(NEI); Ingmar Saul, Ken Fellows (PMX); Kelly Madalinski (POP)

Material delivery summary as of 10/28/10 (end-of-day):

	Units	Delivered 10/28 (units)	Delivery Verification Method	Preceding Delivered Total	Total Delivered for Project
Select Fill	tons	0	Scale ticket	162.88	162.88
Class 700 RR	tons	0	Scale ticket	427.48	427.48
Manta Ray anchors	pieces	0	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	72	72
Chain-3/4" Non-galvanized	feet	60	Visual inspection—consistent with spec	300	360
Chain-3/4" galvanized	feet	0	Visual inspection— OUT OF SPEC	0	0
Coir fabric	Square feet	0	Visual inspection—manufacturer tag (consistent with Sub. 6.0)	0	9711
Fabric staples	pieces	0	10"x10"x1"	0	1000
Sandy loam	Cubic yards	0	Visual inspection and scale tickets	75	75
Large woody debris	pieces	0	Visual inspection and measurement	29	29
Bark mulch	Cubic yards	100	Visual inspection—contractor to provide scale tickets	0	100
Native plantings	pieces	0	Visual observation	1800	1800

TESTS PERFORMED: None

PHONE LOG:

09:00 Tim Stone to Bruce Craven(KM) to facilitate rail crossing with bark mulch truck



<u>SITE PHOTOS/VIDEOS TAKEN:</u> (attached below)		<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>			
1- NEI subcontractor placing bark mulch 2- bark mulch installed condition above LWD 3- NEI installing uppermost silt fence at access gate *other photos of construction activities available but not attached to this document. Photos will be transmitted to Mary Green and she will make them available on the Port system.		None			
INSPECTOR	Timothy J. Stone	HRS	9.0	DATE	10/28/10

(signature on hardcopy)

PHOTO 1



PHOTO 2



PHOTO 3





PROJECT	Terminal 4, Wheeler Bay Bank Repairs	CONTRACT NO.	10D015/820027
CONTRACTOR	Northwest Earthmovers	SUPERINTENDENT	Carl Johnson (NEI)
DAY OF WEEK & DATE:	Friday October 29, 2010	REPORT NO.	17
WEATHER	Cloudy, NW wind 0-5 mph	TEMPERATURE	L:52 H:62 degrees F

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Construction Activities: 1-superintendent/equipment operator 2-hydro-seed applicators	1-Ford Service truck (OR 512701)/4 hours 1-Cat IT28G (N710)/4 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

07:00 NEI (Carl Johnson), AQ/POP (1-Stone) on site

07:30 Ingmar Saul (PMX) on site
NEI repairing irrigation lines at access ramp that were disconnected at the beginning of the project.

08:30-

10:00 NEI subcontractor on site to perform hydro-seed application in access ramp repair area--above elevation 20 feet (PHOTO 1). NEI subcontractor applied 18 pounds of grass seed to an area of approximately 1800 square feet.

09:30-

10:15 Kelly Madalinski, Roger Anderson, Lyle Larson (POP); Jeff Hargens, Philip Hansen (NEI); Tim Stone (AQ/POP) on site to perform final construction completion inspection. PHOTO 2 shows the completed conditions looking from station 3+00 toward station 7+00. PHOTO 3 shows the completed conditions looking from station 3+00 toward station 0-20.
NEI removes treated wood from shoreline as indicated by Ken Fellows (PMX) on 10/28. Wood debris was stamped as shown in PHOTO 4. Shoreline is free of incidental garbage and debris.
POP maintenance staff reconnects irrigation control wiring at the point it had been disconnected to construct the construction access ramp.

10:15 NEI completes final grading of area outside of access gate (between rails and fence line).
NEI secures gates and contacts Port security to notify that work has been completed/gates need to be locked.
Lyle Larson (POP) off site.
Ingmar Saul (PMX) off site.

10:30 NEI has completed punch list items. Final constructed condition accepted as complete.

12:30 NEI removes approximately 3700 square feet of coir fabric from site. NEI will return to vendor for credit.
NEI removes 10 manta-ray anchor systems from site.
2 pieces of LWD remain on site.

Persons on site 10/29/10:

Tim Stone(AQ/POP); Carl Johnson, Philip Hansen, Jeff Hargens(NEI); Ingmar Saul(PMX); Kelly Madalinski, Roger Anderson, Lyle Larsen (POP)



Material delivery summary as of 10/29/10 (end-of-day):

	Units	Delivered 10/28 (units)	Delivery Verification Method	Preceding Delivered Total	Total Delivered for Project
Select Fill	tons	0	Scale ticket	162.88	162.88
Class 700 RR	tons	0	Scale ticket	427.48	427.48
Manta Ray anchors	pieces	-10	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	72	62
Chain-3/4" Non-galvanized	feet	0	Visual inspection—consistent with spec	360	360
Chain-3/4" galvanized	feet	0	Visual inspection— OUT OF SPEC	0	0
Coir fabric	Square feet	-3700 (estimated 3.5 rolls at 1079 sq. feet per roll)	Visual inspection—manufacturer tag (consistent with Sub. 6.0)	9711	6011
Fabric staples	pieces	0	10"x10"x1"	0	1000
Sandy loam	Cubic yards	0	Visual inspection and scale tickets	75	75
Large woody debris	pieces	0	Visual inspection and measurement	29	29
Bark mulch	Cubic yards	100	Visual inspection—contractor to provide scale tickets	0	100
Native plantings	pieces	0	Visual observation	1800	1800

TESTS PERFORMED: None

PHONE LOG:

08:45 Tim Stone to Philipp Bales regarding access to hydrant/water source for hydro seeding.

SITE PHOTOS/VIDEOS TAKEN:

(attached below)

- 1- Hydro seed application in progress
 - 2- Final shoreline condition (from station 3+00 toward station 7+00)
 - 3- Final shoreline condition (from station 3+00 toward station 0+00)
 - 4- treated wood debris removed from shoreline—pressure treated certification stamp
- *other photos of construction activities available but not attached to this document. Photos will be transmitted to Mary Green and she will make them available on the Port system.

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

None

INSPECTOR

Timothy J. Stone

HRS

4.0

DATE

10/29/10



(signature on hardcopy)

PHOTO 1



PHOTO 2



PHOTO 3





PHOTO 4



ATTACHMENT B
NEI DAILY CONSTRUCTION AND QUALITY CONTROL REPORTS

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/25/10

Weather: Showers heavy at times

1 Inspection of Erosion Control: (state condition & describe any maintenance steps taken)

Silt Fence: got washed out just north of our ramp Mike M. reinstalled and added another fence in front of existing one FIXED SAME DAY ✓

Construction Entrance: Not needed

Other: None

2 Inspection of Site: (state condition & describe any maintenance steps taken)

Sick or Injured Endangered Species: None

Harbor Water Observation: Normal

3 Equipment Inspection:

Machine	Visible Leaks?	Repairs?	Comments
N710 CAT I+28	None	None	running normal ✓
N849 Hit. 160	None	None	" "

4 Hazard Conditions: None

- Airborne Dust / Contaminants Spilled Material
 Disturbance of Demarcation Layer Equipment Lock out / Tag out

5 Communications w/ Visitors, Inspectors, or Subs:

Tim & John were onsite all day

John Casserly and crew started planting at South end working North

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Jeremy Haynes	install wood stakes	4			
" "	install tree chains	3 1/2			
Mike Roper	install wood stakes	4			
" "	install tree chains	3 1/2			
Mike Madison	install tree chains	3 1/2	N710 CAT I+28	pick trees? select fill	2
" "	grade select fill	2			
Carl Johnson	install tree chains	2	N849 Hit. 160	place rip-rap	3
" "	install wood stakes	1	" " "	place select fill	1 1/2

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/26/10

Weather: Cloudy light showers & cold & windy

1 Inspection of Erosion Control: (state condition & describe any maintenance steps taken)

Silt Fence: Good Shape ✓

Construction Entrance: Not needed

Other: None

2 Inspection of Site: (state condition & describe any maintenance steps taken)

Sick or Injured Endangered Species: None

Harbor Water Observation: Normal

3 Equipment Inspection:

Machine	Visible Leaks?	Repairs ?	Comments
N710 CAT IT 28	None	None	running normal
N849 Hit. 160	None	None	" " " " ✓

4 Hazard Conditions: None

- Airborne Dust / Contaminants Spilled Material
 Disturbance of Demarcation Layer Equipment Lock out / Tag out

5 Communications w/ Visitors, Inspectors, or Subs:

Tim & Ingmar were on site all day, Tim asked me to place some woody debris in rip-rap area, when I clean up
Roger stopped by and talk us we need to use Jute matting on slope ramp area not coir fabric.
John Casserly and crew were out planting everything to ramp area they will be back Thursday 10/28 to finish planting and bark dusting ✓

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Roper	set anchors	4			
" "	Chain trees	4			
Mike Madison	set anchors	3	N710 CAT IT 28	pack top soil	1
" "	Chain trees	4			
Carl Johnson			N849 Hit. 160	set anchors & trees	5 1/2
" "			" " "	placc woody debris	1

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/27/10

Weather: Sunny

1 Inspection of Erosion Control: (state condition & describe any maintenance steps taken)

Silt Fence: Good shape we removed it today ✓ DUMP
OR WEST
REED.

Construction Entrance: Not needed

Other: None

2 Inspection of Site: (state condition & describe any maintenance steps taken)

Sick or Injured Endangered Species: None

Harbor Water Observation: Normal

3 Equipment Inspection:

Machine	Visible Leaks?	Repairs ?	Comments
N710 CAT D28	None	None	running normal ✓
N849 Hit. 160	None	None	" "

4 Hazard Conditions: None

- | | |
|--|--|
| <input type="radio"/> Airborne Dust / Contaminants | <input type="radio"/> Spilled Material |
| <input type="radio"/> Disturbance of Demarcation Layer | <input type="radio"/> Equipment Lock out / Tag out |

5 Communications w/ Visitors, Inspectors, or Subs:

Tim & Ingmar were out on site all day

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Roper	chain trees & remove				
" "	silt fence, install				
" "	fabric & stakes	8			
Mike Madison	chain tree, remove		N710 CAT D28	pack top soil	1
" "	silt fence, install				
" "	fabric & stakes	7			
Carl Johnson			N849 Hit. 160	placc fish mix	2
" "			" "	placc woody debris	1 1/2
" "			" "	top soil on slope	1

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/28/10

Weather: Showers all day

1 Inspection of Erosion Control: (state condition & describe any maintenance steps taken)

Silt Fence: Removed 10/27/10 ✓

Construction Entrance: Not needed

Other: None

2 Inspection of Site: (state condition & describe any maintenance steps taken)

Sick or Injured Endangered Species: None

Harbor Water Observation: Normal

3 Equipment Inspection:

Machine	Visible Leaks?	Repairs ?	Comments
N710 CAT I T28	None	None	running normal
N809 Hit, 160	None	None	has been <u>moved off site today</u>

4 Hazard Conditions: None

- | | |
|--|--|
| <input type="radio"/> Airborne Dust / Contaminants | <input type="radio"/> Spilled Material |
| <input type="radio"/> Disturbance of Demarcation Layer | <input type="radio"/> Equipment Lock out / Tag out |

5 Communications w/ Visitors, Inspectors, or Subs:

Tim & Ingmar were on site all day, Ken with Parametrix and Kelly with the Port, all 4 had a walk through for EPA approval

John Casserly and his crew was out finished planting and placing Bark Mulch

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Madison	Chain trees?		N710 CAT I T28	Clean up site	1 1/2
" "	install staples,				
" "	silt fence, clean				
" "	Garbage	7			
Carl Johnson	Chain trees?				
" "	install staples,				
" "	silt fence, clean				
" "	Garbage	8			

