



October 26, 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 18 through 22, 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 18 to 22, 2010.

SIGNIFICANT DEVELOPMENTS

- Continued construction activities

CONSTRUCTION ACTIVITIES PERFORMED

- Imported Manta Ray anchors to site.
- Installed Manta Ray anchors and secured large woody debris to anchors.
- Laid out coir fabric.
- Imported sandy loam top soil from Endicott Woods.
- Placed top soil on coir fabric, wrapped coir fabric on top of top soil and staking coir fabric in place.

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

- Finishing placement of riprap and select fill
- Finishing installation of LWD and Manta Ray anchors
- Finishing placement of top soil
- Begin and finish installation of plantings and hydroseeding
- Construction completion on or before October 29, 2010

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 18, 2010	REPORT NO.	9
WEATHER	Clear, NW wind 0-5 mph	TEMPERATURE	L:42 H:64 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-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 (2-Carl/Mike) on site installing re-tooled hoe compactor for driving pilot holes and anchors

07:30 AQ/POP (1-Stone), POP (1-Madalinski), PMX (1-Saul)

08:00 NEI mobilizes to toe of slope near stn. 6+50 to begin driving 3.5-inch pilot holes for anchors

08:30 POP(1- Anderson), NEI (1-Hargens) on site

10:00 POP(2-Durst/Hermans) on site to observe construction progress and anchor installations

09:00-

12:30 NEI continue driving pilot holes for anchors between approx. stn. 3+50 and 6+50
 NEI driving anchors at 8 locations starting at approx. stn. 6+80 and ending near 5+80
 Anchor rods are being cut to 5.5 feet and pushed to approximately 8 feet bgs

12:30-

13:00 NEI lunch break

13:00 NEI driving anchors nearing stn.5+80
 Drive rod was bent on 10th anchor driven—NEI will fabricate replacement for 10/19/10 (Photo 1)

13:15-

15:00 NEI setting anchors by pulling back with 160 LC excavator—pull-back refusal reached after approximately 6 inches of pull back
 NEI cutting chain to custom lengths for each end of each log to be anchored and attaching chain with shackle approximately 4 feet from each end of each log
 NEI connecting anchor cables to shackle and pulling tight then installing two cable clamps to secure

15:15 NEI cleaning up/demobilizing for the day

15:30 NEI(2) and PMX(1) off site

16:00 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+50
- Select fill base layer completed from approximately station 0-20 to 2+50
- 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. 5+80 to 6+80 (5 logs/10 anchors)

Persons on site 10/18/10:

Tim Stone(AQ/POP), Carl Johnson (NEI), Operator/laborer (NEI), Ingmar Saul (PMX); R. Anderson, K. Madalinski, J. Durst, M. Hermans(POP)

Material delivery summary as of 10/18/10 (end-of-day):

	Units	Delivered 10/15 (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)	68	68
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	300	300
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
Large woody debris	pieces	0	Visual inspection and measurement	29	29

NA

HRS:

NA

TESTS PERFORMED: None

PHONE LOG:

None.

SITE PHOTOS/VIDEOS TAKEN:

(attached below)

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

- 1- bent anchor drive-rod
- 2- completed anchor point attached to log
- 3- anchored logs at overlap point (top end of LWD)

None



4- anchored logs at conneciton of root balls

*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.

INSPECTOR

Timothy J. Stone

HRS

8.5

DATE

10/18/10

(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:	Tuesday October 19, 2010	REPORT NO.	10
WEATHER	Clear, NW wind 0-5 mph	TEMPERATURE	L:42 H:70 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-Ford Service truck (OR 512701)/9 hours 1-Hitachi 160LC Excavator (N849)/9 hours 1-Cat IT28G (N710)/9 hours 4-steel plates (8' x 16')/9 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

07:00 NEI (2-Carl/Mike) and AQ/POP (1-Stone) on site—performing equipment inspection and safety checks

07:30 PMX (1-Saul) on site

08:15 POP (R. Anderson) on site to observe log installations completed on 10/18.

07:30-

12:30 NEI installs replacement drive rod for anchor installation
 NEI drives 14 anchors between stations 4+20 and 5+80
 Anchor rods are being cut to 5.5 feet and pushed to approximately 8 feet bgs
 Anchors set by pulling back with excavator approximately 6 inches--until pull back refusal was reached—set at approximately 7.5 feet bgs.
 NEI completes placement and securing of 5 pieces of LWD between stations 4+60 and 5+80

12:30-

13:00 NEI lunch break

13:00-

14:00 NEI completes placement and securing of 2 pieces of LWD between stations 4+20 and 4+60

14:30-

15:30 Sheila (PMX/EPA-Industrial Hygienist) on site to perform Health and Safety Audit.

14:00-

16:30 NEI and AQ/POP walk area between 3+00 and 7+00 to layout and mark sections that will require repair of existing coir fabric and topsoil addition
 NEI rolling out coir fabric starting at station 0-20; and completed to approximately station 2+60.
 Coir fabric is 13 feet wide. Material was rolled out perpendicular to the bank and the downgradient edge was staked (2"x2"x2' df) in the anchor trench on 4-foot centers (with 10"x10"x1" staples on approx. 2-foot centers.

13:15-

15:00 NEI setting anchors by pulling back with 160 LC excavator—pull-back refusal reached after approximately 6 inches of pull back
 NEI cutting chain to custom lengths for each end of each log to be anchored and attaching chain with shackle approximately 4 feet from each end of each log
 NEI connecting anchor cables to shackle and pulling tight then installing two cable clamps to secure



15:15 NEI cleaning up/demobilizing for the day

16:30 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+50
- Select fill base layer completed from approximately station 0-20 to 2+50
- 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 (5 logs/10 anchors)

Persons on site 10/19/10:

Tim Stone(AQ/POP); Carl Johnson, Jeff Hargens, and Mike (NEI); Ingmar Saul and Sheila (PMX); R. Anderson(POP)

Material delivery summary as of 10/19/10 (end-of-day):

	Units	Delivered 10/15 (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	4	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	68	72
Chain-3/4" Non-galvanized	feet	0	Visual inspection—consistent with spec	300	300
Chain-3/4" galvanized	feet	-300	Visual inspection— OUT OF SPEC	300	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
Large woody debris	pieces	0	Visual inspection and measurement	29	29

TESTS PERFORMED: None

PHONE LOG:

None.

SITE PHOTOS/VIDEOS TAKEN:

(attached below)

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

- 1- NEI driving anchor points
- 2- NEI securing chains to anchor system
- 3- Wheeler Bay shoreline overview

None



4- NEI installing and staking coir fabric in anchor trench

*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.

INSPECTOR

Timothy J. Stone

HRS

9.0

DATE

10/19/10

(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:	Thursday October 21, 2010	REPORT NO.	11
WEATHER	Partly Cloudy, NW wind 0-10 mph	TEMPERATURE	L:45 H:65 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-Ford Service truck (OR 512701)/9 hours 1-Hitachi 160LC Excavator (N849)/9 hours 1-Cat IT28G (N710)/9 hours 4-steel plates (8' x 16')/9 hours

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

07:00 NEI (2-Carl/Mike) and AQ/POP (1-Stone) on site—performing equipment inspection and safety checks

07:15 PMX (1-Saul) on site
NEI delivers 50 c.y. of sandy loam sourced from Endicott Woods (Trucks N174 and T12--trailer/transfers)

07:30-

07:45 NEI truck has difficulty with soft sands at rail crossing—NEI staff near tracks assisting truck driver
Tim Stone attempts to reach KM terminal manager and KM assistant manager
KM begins operating railway—foreman from KM contacts Tim Stone and indicates that the NEI staff was too close to the railway
KM foreman works with NEI and Tim Stone to allow NEI to assist the last truck across the rails

07:45-

09:30 John (PMX) on site with Ingmar Saul (PMX) for project orientation. John will be substituting for Ingmar on 10/22 and 10/25.

08:00-

12:30 NEI begins placing topsoil at station 0-20 between select fill and existing upgradient topsoil and mulch.
Tim Stone discusses with Carl Johnson the need for a layer of select fill that needs to be placed between the topsoil layer and the existing grade that consists of broken concrete. The concrete has large voids at the transition from the repaired surface to the existing surface which could facilitate “run out” of top soil at high river levels or overland flow from precipitation. NEI indicated that they have extra select fill that could be used for that purpose.
NEI raking and shaping topsoil, installing coir fabric over the installed topsoil layer, and temporarily staking (additional staking will be required to meet the specification requirements)
Topsoil and coir fabric in-place and temporarily staked between stations 0-20 and 2+50

12:30-

13:00 NEI lunch break

13:00-

14:45 NEI placing topsoil and coir fabric between station 3+00 and 7+00 in areas identified as needing repair. Additional staking will be required to meet specification requirements.

14:45-

16:15 NEI drives anchor pilot holes between 0-20 and 1+00.
Pilot-hole rod damaged. NEI will repair to complete the final pilot holes on 10/22.

16:30 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+50
- Select fill base layer completed from approximately station 0-20 to 2+50
- 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 (5 logs/10 anchors)
- 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

Persons on site 10/21/10:

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

Material delivery summary as of 10/21/10 (end-of-day):

	Units	Delivered 10/15 (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	4	Visual inspection—confirm Manta Ray MR2 model (consistent with Sub. 2.0)	68	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	50	Visual inspection and scale tickets	0	50
Large woody debris	pieces	0	Visual inspection and measurement	29	29

TESTS PERFORMED: None

PHONE LOG:

None.

SITE PHOTOS/VIDEOS TAKEN:
(attached below)

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:



<p>1- NEI installing sandy loam</p> <p>2- NEI shaping and grading sandy loam</p> <p>3- Wheeler Bay shoreline overview</p> <p>4- NEI driving anchor pilot holes between station 0-20 and 0+100</p> <p>5- areas being repaired between station 3+00 and 7+00</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>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------

INSPECTOR	Timothy J. Stone	HRS	9.0	DATE	10/21/10
-----------	------------------	-----	-----	------	----------

(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:	Friday October 22, 2010	REPORT NO.	12
WEATHER	Partly Cloudy, NW wind 0-10 mph	TEMPERATURE	L:53 H:63 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-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 (2-Carl/Mike) and AQ/POP (1-Stone) on site
 NEI performing equipment inspection and safety checks

07:15-

08:00 PMX (1-John Howland) on site
 NEI conducts repair of pilot-hole driver for anchor system

08:00-

09:00 Roger Anderson(POP) on site to observe progress
 NEI driving 8 pilot holes for anchors between stations 1+00 and 2+50

09:00-

11:30 NEI driving and setting anchors between stations 0-20 and 2+50

11:30-

12:00 NEI lunch break

12:30-

14:45 NEI driving additional wood stakes along toe of coir fabric on 4-foot centers (between stations 0-20 and 2+50)

14:45-

15:45 NEI moves imported LWD down slope and placing into position between station 0-20 and 2+50

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+50
 Select fill base layer completed from approximately station 0-20 to 2+50
 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 (5 logs/10 anchors)
 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 10/22/10:

Tim Stone(AQ/POP); Carl Johnson, Jeff Hargens, and Mike (NEI); John Howland (PMX)

Material delivery summary as of 10/22/10 (end-of-day):

	Units	Delivered 10/15 (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

TESTS PERFORMED: None

PHONE LOG:

None.

SITE PHOTOS/VIDEOS TAKEN:

(attached below)

- 1- NEI driving anchors through select fill
- 2- NEI setting/pull testing anchor systems
- 3- NEI placing LWD
- 4- logs placed at top of constructed slope

*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	9.0	DATE	10/21/10
-----------	------------------	-----	-----	------	----------

(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: 10/18/10

Weather: Sunny

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 D728	None	None	running normal ✓
N849 Hit. 160	None	None	" "

4 Hazard Conditions: None

- Airborne Dust / Contaminants
- Disturbance of Demarcation Layer

- Spilled Material
- Equipment Lock out / Tag out

5 Communications w/ Visitors, Inspectors, or Subs:

Tim & Ingmar were on site all day
Tim looked at our chain anchoring to trees and said it
look good ✓

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Madison	tie down trees	7	N710 CAT D728	pack Chain	1
Carl Johnson	" " "	3 1/2	N849 Hit. 160	drive tree anchors	4

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/19/10

Weather: Sunny

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 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 & Ingmar were on site all day Sheila with Parametrix did a surprise visit her only concern with us, walking on the rip-rap with staking material for colr fabric, we talked and decided to access from top slope

Tim & I identified repair area of colr fabric and topsoil from approx Sta. 3+00 to 7+00 ✓

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Madison	fasten trees & place fabric	7	N710 CAT I+28	move supplies	1
Carl Johnson	fasten trees & place fabric	5	N849 Hit. 160	install anchors	3

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/21/10

Weather: Cloudy, some sun PM

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 <u>I+28</u>	<u>None</u>	<u>None</u>	<u>Normal</u>
N849 Hit. <u>160</u>	<u>None</u>	<u>None</u>	<u>Normal</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 and Ingmar were on site all day, Tim said topsoil looked good; and our repair areas looked good, Ingmar will be gone next 2 work days and John will be taking his place ✓

DID NOT WORK ON-SITE YESTERDAY 10/20/10. WAITING FOR TOPSOIL APPROVAL.

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Madison	place Coir fabric &	7			
" "	help pilot probe	1			
Carl Johnson	place Coir fabric	2 1/2	N710 CAT I+28	pack topsoil	1
" "	knocked down topsoil	1 1/2	N849 Hit, 160	" "	2 1/2
" "			" " "	anchor pilots	1
Mike Madison	Escorting trucks	1/2			

Daily Construction & Quality Control

Job Name: T4 Wheeler Bay Bank Repair

Contract #87460

NEI Job # 1019

Date: 10/22/10

Weather: Cloudy

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

- | | |
|--------------------------------------------------------|----------------------------------------------------|
| <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 & John were on Job site all day, Roger stopped by and said we would need to install 2 or 3 runs of silt fence across the slope on our ramp ✓

LABOR			EQUIPMENT		
Description	Activity	Hrs	Description	Activity	Hrs
Mike Madison	setting anchors	4	N710 CAT It 28	pick anchors & trees	1 1/2
" "	setting wood stakes	1 1/2			
" "	setting trees	1			
Carl Johnson	put together anchors	1	N849 Hit. 160	setting anchors	4
" "	setting wood stakes	1 1/2	" " "	setting trees	1 1/2

