Print Form

SITE-SPECIFIC COMPLIANCE, BMP, POLLUTION PREVENTION PLAN

INSPECTION AND MAINTENANCE REPORT FORM

(TO BE COMPLETED BEFORE COMMENCEMENT OF GRADING OR SITE-WORK AND THEN EVERY TWO WEEKS FROM OCTOBER THROUGH APRIL, OTHERWISE, BI-MONTHLY)

Harbors Division will not allow grading or site-work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance, BMPs and pollution prevention are implemented correctly and in the right locations.

Project Title: Access and Electrical Improvement at Kalaeloa Barbers Point NGPC No. HI R10D178

Project No.: HC10340 09:30am

Contractor: Integrated Construction Inc. sunny

Verified By: Juan Reyes Date: 10/25/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments
Excavation for roadway	3.15.12	Yes	Detention	Yes	Grade recess, no potential for runoff

Notes/Actions:

Contractor stopped work since 7.12, waiting for contractor to resume work at site.

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
Entire new road (STA 0+00 to STA 34 +00)	Biosocks along the Makai side of road	No		BMP at STA 13+50 was flattened & at STA 24+50 was found opened

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Integrated Inc, Gerry indicated he would correct BMP failures by close of business today.

To be performed by: Gerry on or before: 10.25.12

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
@ STA 0+00	#2 crushed rocks	acknowledged	Okay	Location modified due to the conflict with the new road

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting	N/A	No saw cutting work today
Dust Control	N/A	No work observed today
Dewatering	N/A	No de-watering activity observed today

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste	N/A	No concrete pouring observed today
Vehicle/Equipment Fueling	N/A	No equipment fueling observed on site.
Vehicle/Equipment Cleaning	N/A	No vehicles or equipment clean observed on site today.
Vehicle/Equipment Maintenance	N/A	No vehicles or equipment maintained on site.
Material Storage	N/A	No materials stored on site observed.
Spill Prevention/Control	N/A	
Waste Storage/Disposal	N/A	


10/25/2012


10/25/2012

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Project Title: Access and Electrical Improvement at Kalaeloa Barbers Point He — NGPC No. HI R10D178

Project No.: HC 10340 — 10:45AM

Contractor: Integrated Construction, Inc. — SUNNY

Verified By: _____ Date: 11/29/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments
Excavation for roadway	3/15/12	Yes	Detention	Yes	Grade recessed. No potential runoff.

Notes/Actions:

Contractor resumed the base course work in Nov 2012.

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
Entire new road (STA 0+00 to STA 34 +00)	Biosocks along the Makai side of road	Yes		Installed per BMP plan with some modified placement.

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

To be performed by: _____ on or before: _____

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
@ STA 0+00	#2 Crushed Rocks	Acknowledged	Okay	Location is modified due to the conflict with new road.

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Chain and stanchions were installed at the beginning of the ingress/egress to regulate illegal access during off hours.

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments
N/A				

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting	N/A	No sawcutting work today.
Dust Control	Yes	Water truck is utilized to control the dusts.
Dewatering	N/A	No dewatering activity involved today.

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste	N/A	No concrete pouring observed today.
Vehicle/Equipment Fueling	N/A	No equipment fueling observed on site.
Vehicle/Equipment Cleaning	N/A	No equipment cleaning observed on site.
Vehicle/Equipment Maintenance	N/A	No vehicle/equipment maintenance observed on site.
Material Storage	Yes	Base course are stored behind the project's BMP biosocks.
Spill Prevention/Control	Yes	
Waste Storage/Disposal	N/A	

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Harbors Division will not allow grading or site-work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance, BMPs and pollution prevention are implemented correctly and in the right locations.

Project Title: Substructure & Waterline Repairs at Piers 30-33, Honolulu NGPC No. N/A

Project No.: HC 10487 2:00 pm

Contractor: Hawaiian Dredging Construction Company, Inc. sunny

Verified By: Lauren Young Lauren Young Date: 09/11/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments
None					N/A

Notes/Actions:

No ground disturbance.

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting	N/A	
Dust Control	N/A	
Dewatering	N/A	

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste	Acknowledged	*Slurry observed on ground around concrete washout bin. No evidence of discharge to drain inlet or State waters.
Vehicle/Equipment Fueling	N/A	No vehicles or equipment fueled on site.
Vehicle/Equipment Cleaning	N/A	No vehicles or equipment cleaned on site.
Vehicle/Equipment Maintenance	N/A	No vehicles or equipment maintenance on site.
Material Storage	Acknowledged	Materials stored under cover.
Spill Prevention/Control	Acknowledged	Spill kit on site.
Waste Storage/Disposal	Acknowledged	Covered dumpster on site.

* Concrete pour conducted on 09/10/12. Informed Contractor of slurry on 09/11/12. Corrective actions taken on 09/11/12. HAR-EC follow up on 09/12/12 (see attached).

H.C. 10487 Substructure and Waterline Repairs at Piers 30-33, Honolulu Harbor (Maintain Concrete Washout at Pier 31 Shed Egress)

Lauren MT Young to: Teri Moritomo <tmoritomo@hdcc.com> 09/11/2012 02:15 PM

Cc: "Christopher Castell", "Garold Kashiwa", Joe.Cheng, "Matthew Loo", Richard.Yoneda

Hi Teri,

I know you are still off island. But can you please have someone from HDCC address this issue?

I went out today and observed concrete slurry on the ground and pavement around the concrete washout bin (see attached). The bin is located outside the Pier 31 Shed egress. Please have someone clean up the area without discharging any pollutants into the storm drain or State waters. I also observed a drain inlet located less than 20 feet from the concrete washout bin. This inlet is not protected.

Concrete Washout 9-11-12.pdf

In accordance with the BMP plan submitted "Washout of concrete trucks, pumps and mixers will be performed in the concrete washout bin at a designated location at least 50 feet from the edge of the embankment and any drain inlets. Washout water of concrete trucks shall not be allowed to discharge (directly or indirectly) into the storm drainage system or into harbors water."

Pages from BMP Plan Submittal.pdf

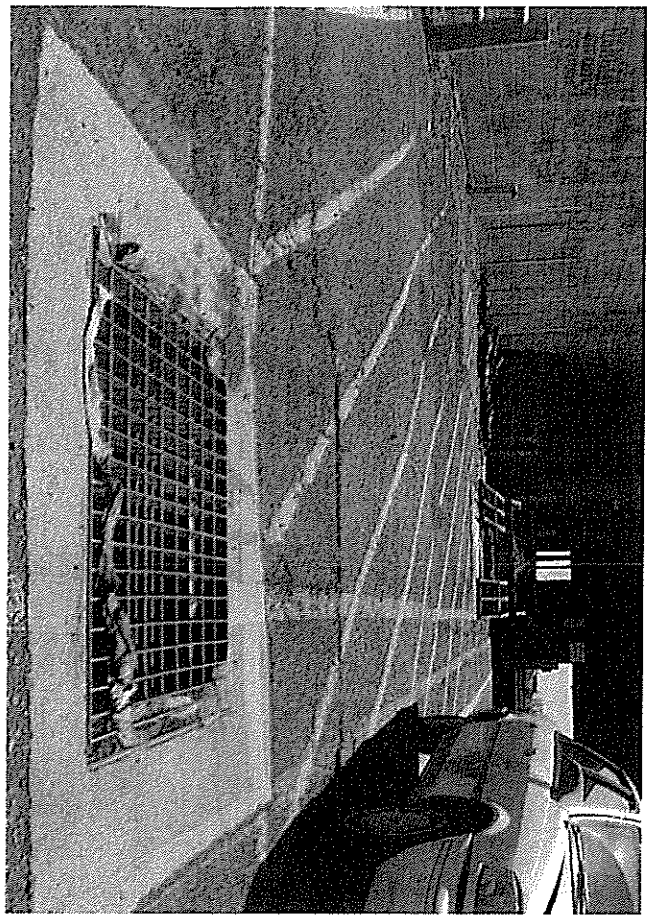
Therefore, since the inlet is so close to the bin, please install some kind of protection for this inlet.

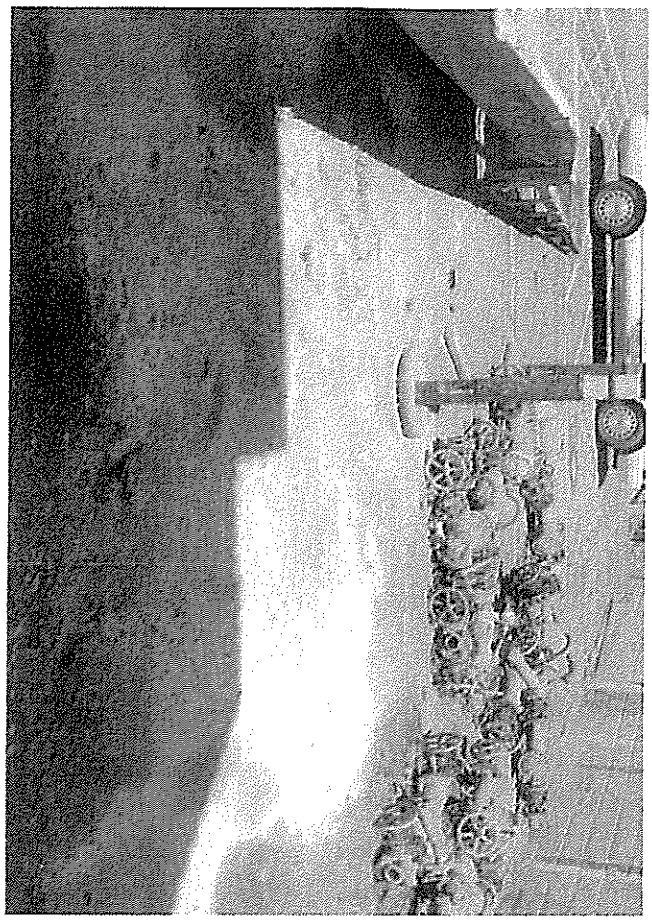
Please inform me when corrective actions are completed. Thank you.

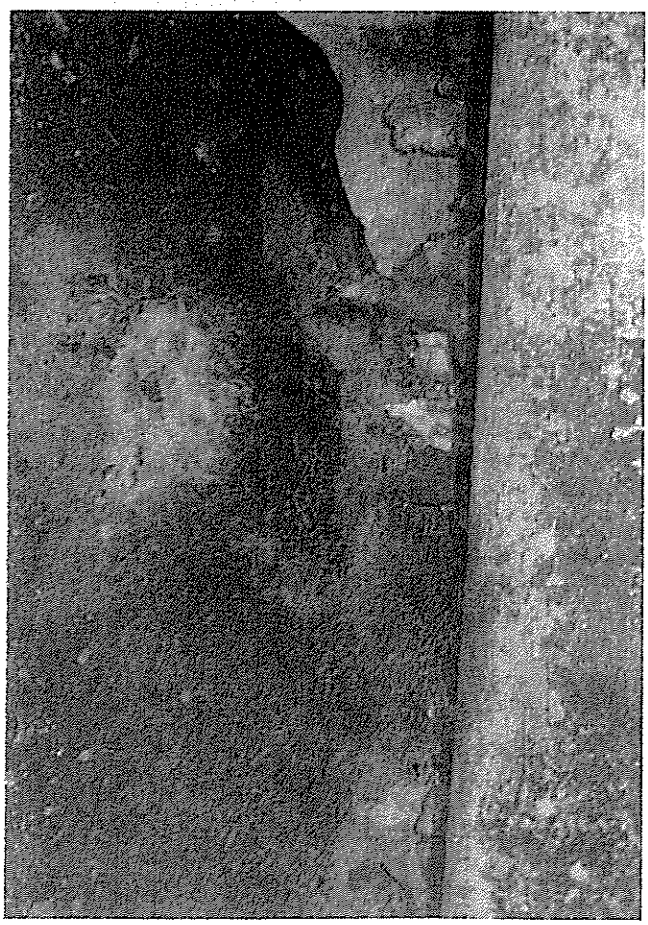
Lauren Young, P.E.
Construction Project Engineer
Department of Transportation, Harbors Division

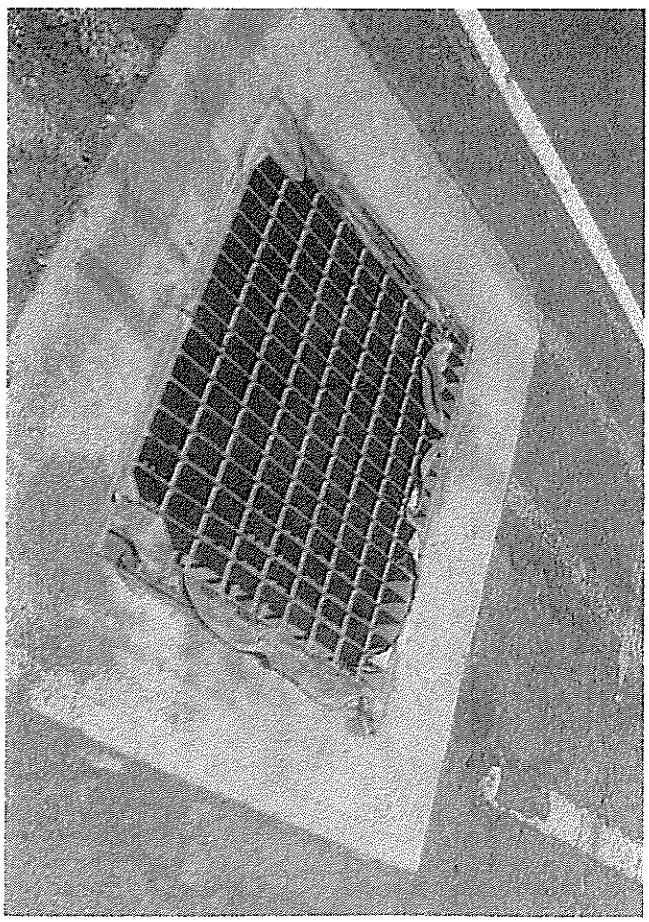
Phone: (808) 587-1870 / Fax: (808) 587-1865
email: Lauren.MT.Young@hawaii.gov

Photos taken on 9/11/12









Re: H.C. 10487 Substructure and Waterline Repairs at Piers 30-33, Honolulu Harbor (Maintain Concrete Washout at Pier 31 Shed Egress)

Teri Moritomo to: Lauren.MT.Young 09/11/2012 02:28 PM

Lauren,

Caught me right before I got on the flight. I talked to the foreman and he will clean the area and put filter fabric at the inlet. I'll be back tomorrow to double check the area.

Thanks
Teri

Sent from my HTC smartphone on the Now Network from Sprint!

----- Reply message -----
From: "Lauren.MT.Young@hawaii.gov" <Lauren.MT.Young@hawaii.gov>
To: "tmoritomo@hdcc.com" <tmoritomo@hdcc.com>
Cc: "Christopher Castell" <ccastell@hdcc.com>, "Garold Kashiwa" <gkashiwa@hdcc.com>, "Joe.Cheng@hawaii.gov" <Joe.Cheng@hawaii.gov>, "Matthew Loo" <mloo@hdcc.com>, "Richard.Yoneda@hawaii.gov" <Richard.Yoneda@hawaii.gov>
Subject: H.C. 10487 Substructure and Waterline Repairs at Piers 30-33, Honolulu Harbor (Maintain Concrete Washout at Pier 31 Shed Egress)
Date: Tue, Sep 11, 2012 5:15 pm

Hi Teri,

I know you are still off island. But can you please have someone from HDCC address this issue?

I went out today and observed concrete slurry on the ground and pavement around the concrete washout bin (see attached). The bin is located outside the Pier 31 Shed egress. Please have someone clean up the area without discharging any pollutants into the storm drain or State waters. I also observed a drain inlet located less than 20 feet from the concrete washout bin. This inlet is not protected.

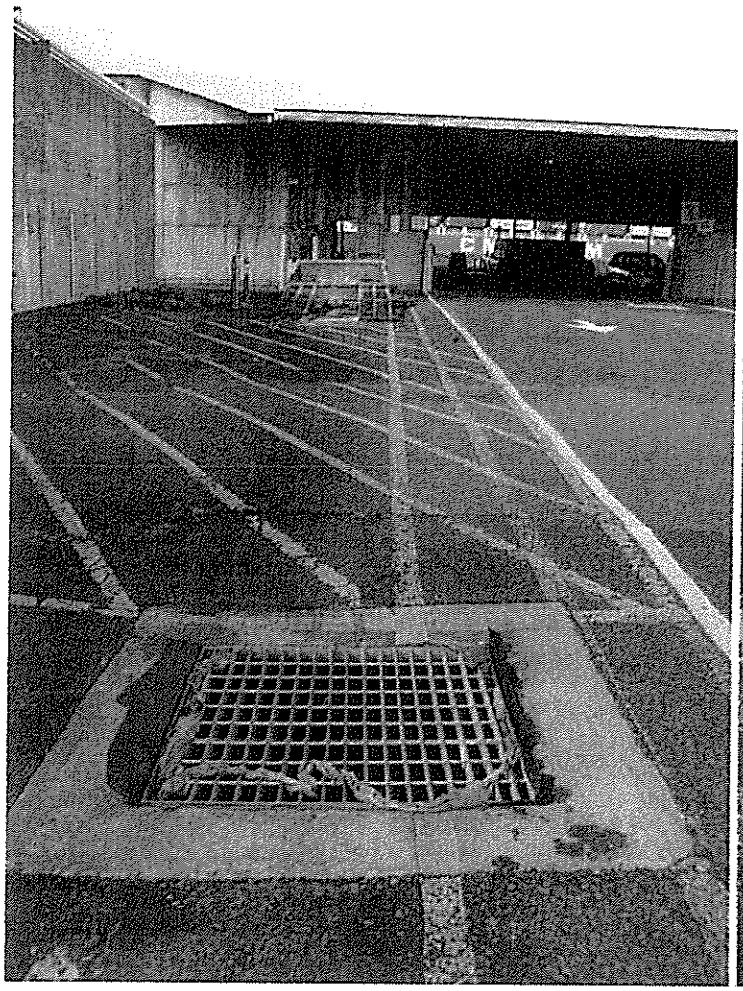
In accordance with the BMP plan submitted "Washout of concrete trucks, pumps and mixers will be performed in the concrete washout bin at a designated location at least 50 feet from the edge of the embankment and any drain inlets. Washout water of concrete trucks shall not be allowed to discharge (directly or indirectly) into the storm drainage system or into harbors water."

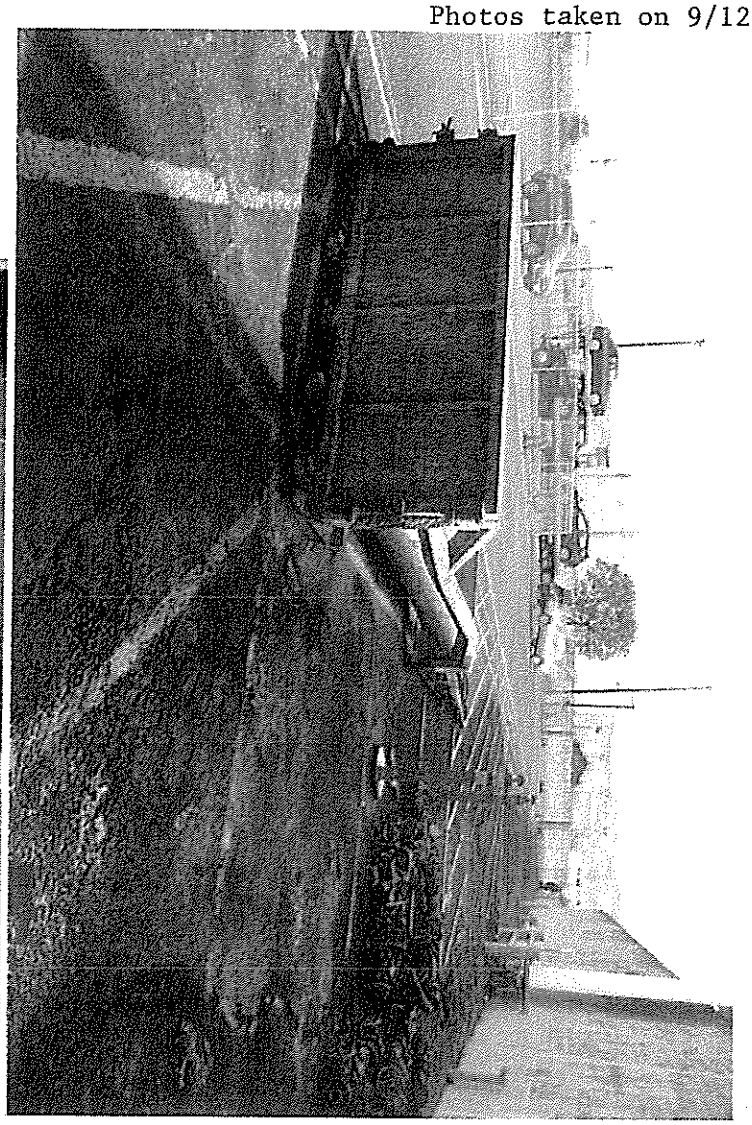
Therefore, since the inlet is so close to the bin, please install some kind of protection for this inlet.

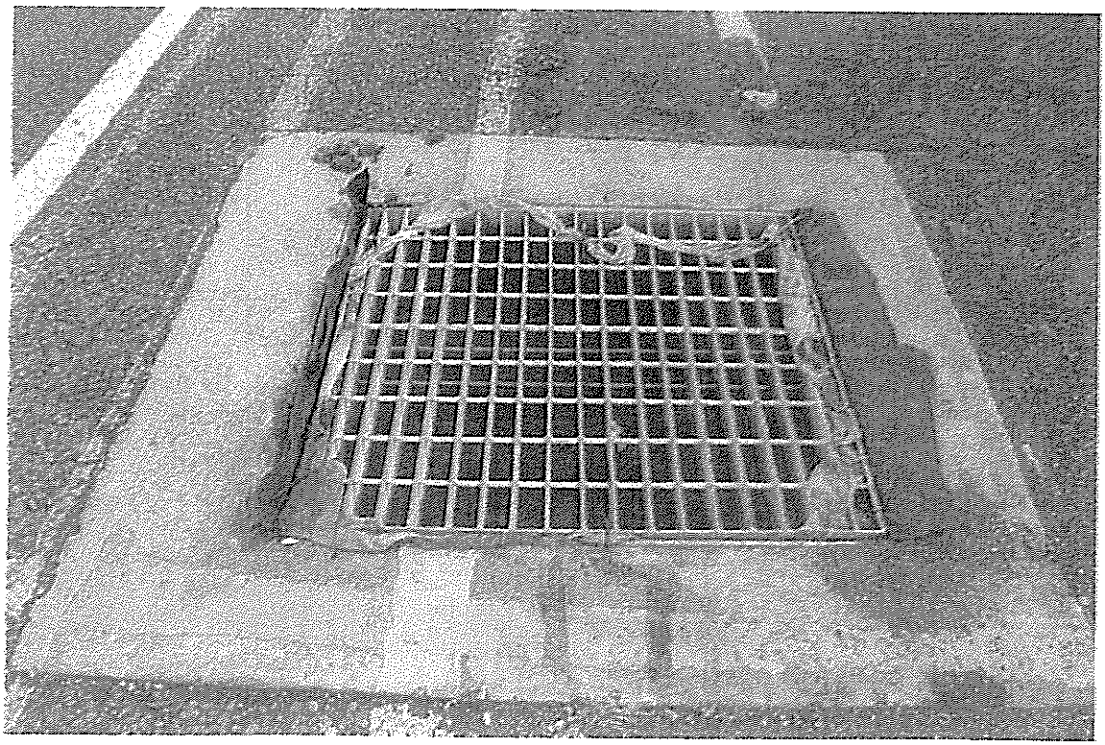
Please inform me when corrective actions are completed. Thank you.

Lauren Young, P.E.

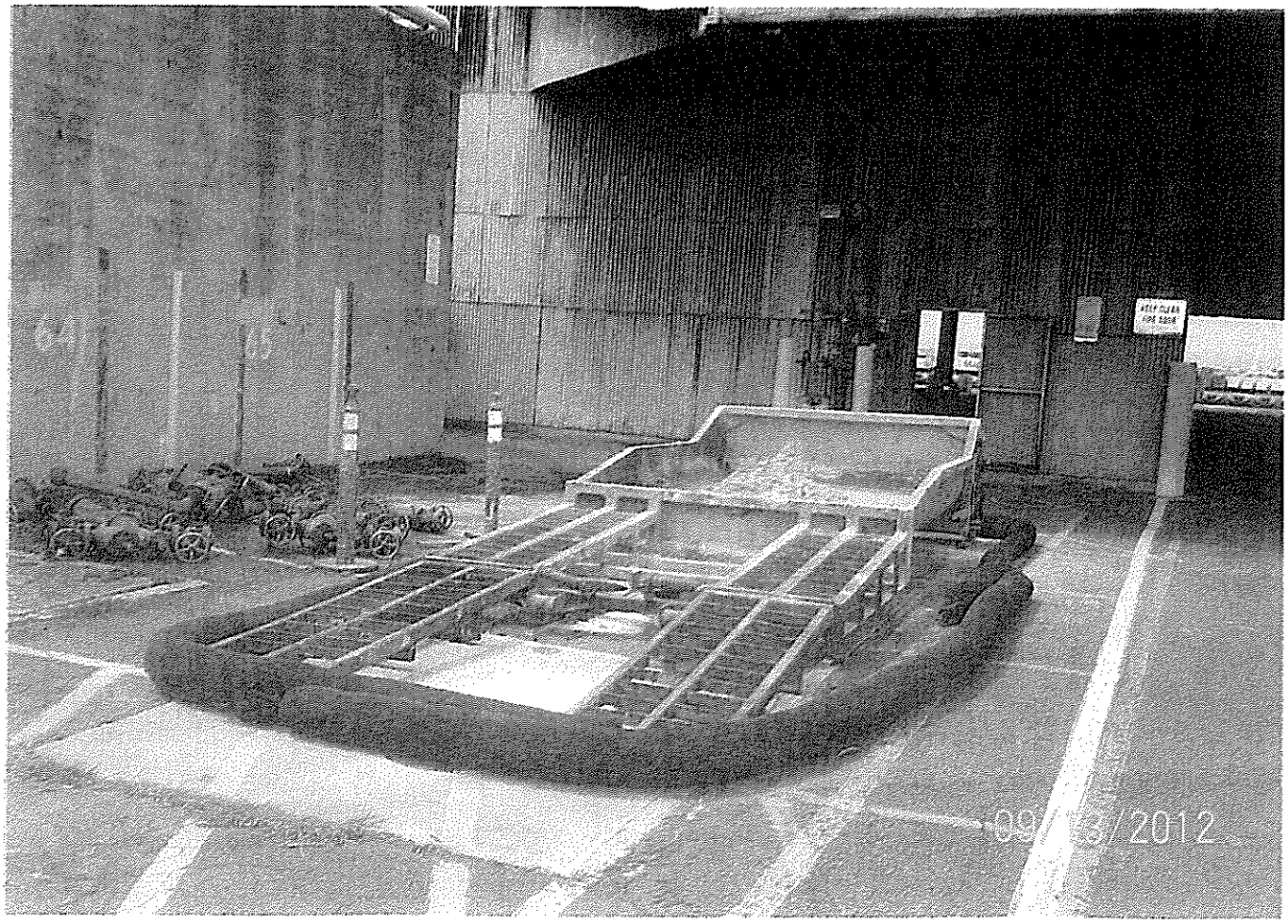
Photos taken on 9/12/1








09/13/2012


09/13/2012

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Project Title: Substructure & Waterline Repairs at Piers 30-33, Honolulu NGPC No. N/A

Project No.: HC10487 08:00am

Contractor: Hawaiian Dredging Construction Company, Inc. sunny

Verified By: Joe Cheng Date: 10/25/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments
None					

Notes/Actions:

No ground disturbance

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments
None				N/A

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

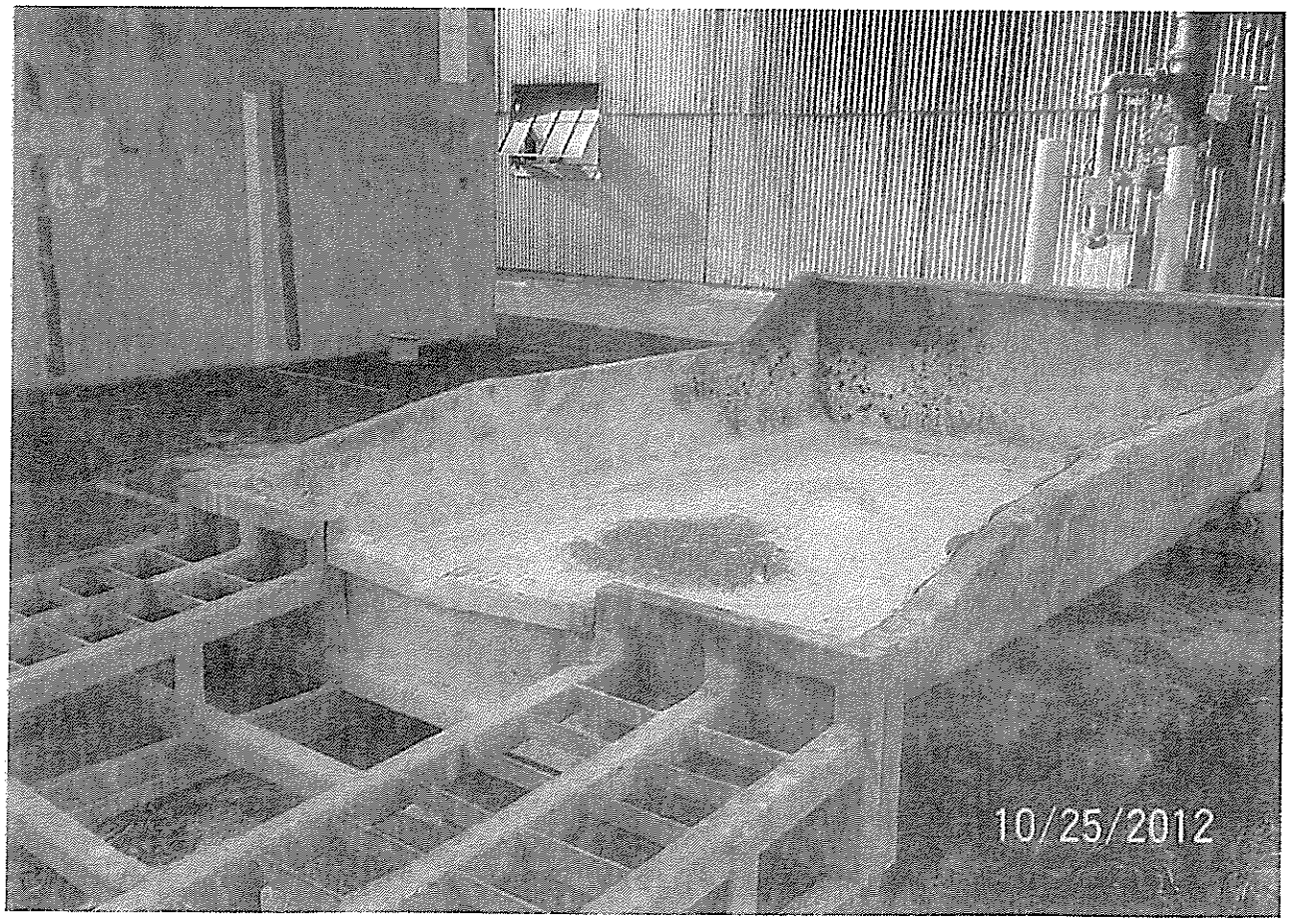
OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting	N/A	
Dust Control	N/A	
Dewatering	N/A	

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste	Acknowledged	BioSorb around the concrete washout bin and drain inlet nearby is also protected by BioSorb
Vehicle/Equipment Fueling	N/A	No vehicles or equipment fueled on site.
Vehicle/Equipment Cleaning	N/A	No vehicles or equipment cleaned on site.
Vehicle/Equipment Maintenance	N/A	No vehicles or equipment maintained on site.
Material Storage	N/A	All materials stored indoors and under cover.
Spill Prevention/Control	N/A	Spill kit on site.
Waste Storage/Disposal	N/A	Covered dumpster on site.
Empty Container	N/A	The empty bucket was found sitting at the edge of the Pier without tie downs. Contractor to tie down loose equipment.


10/25/2012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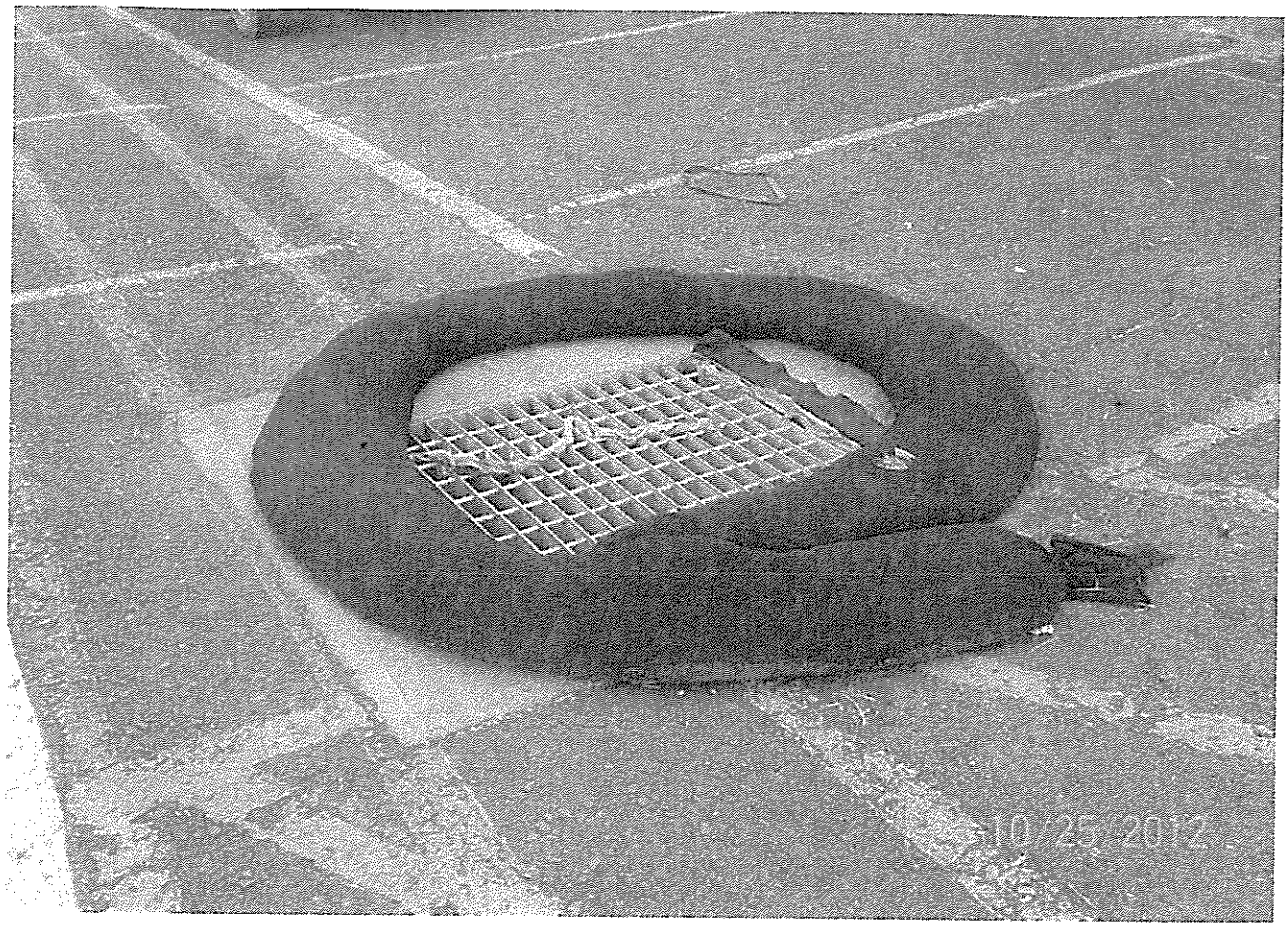
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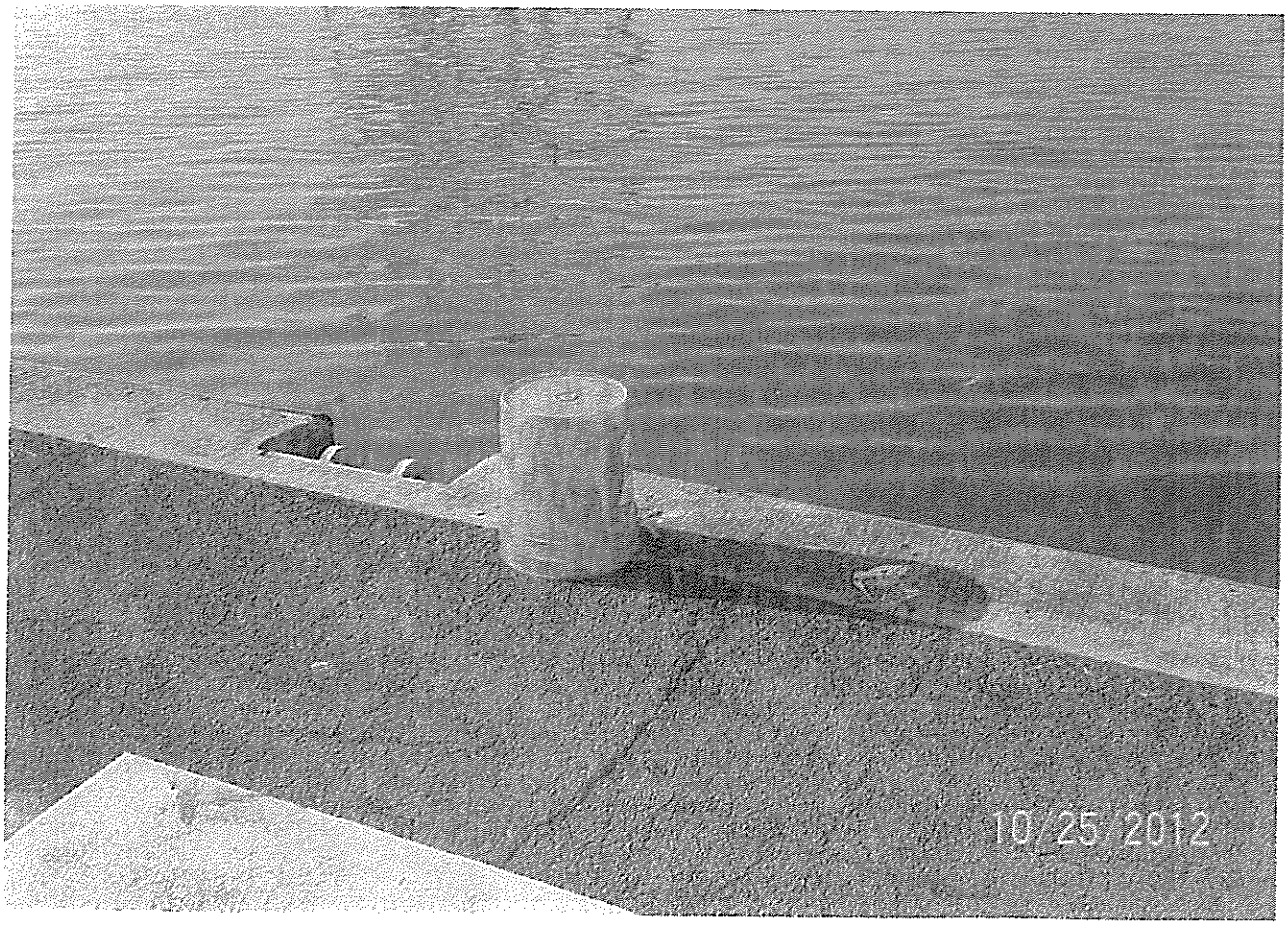
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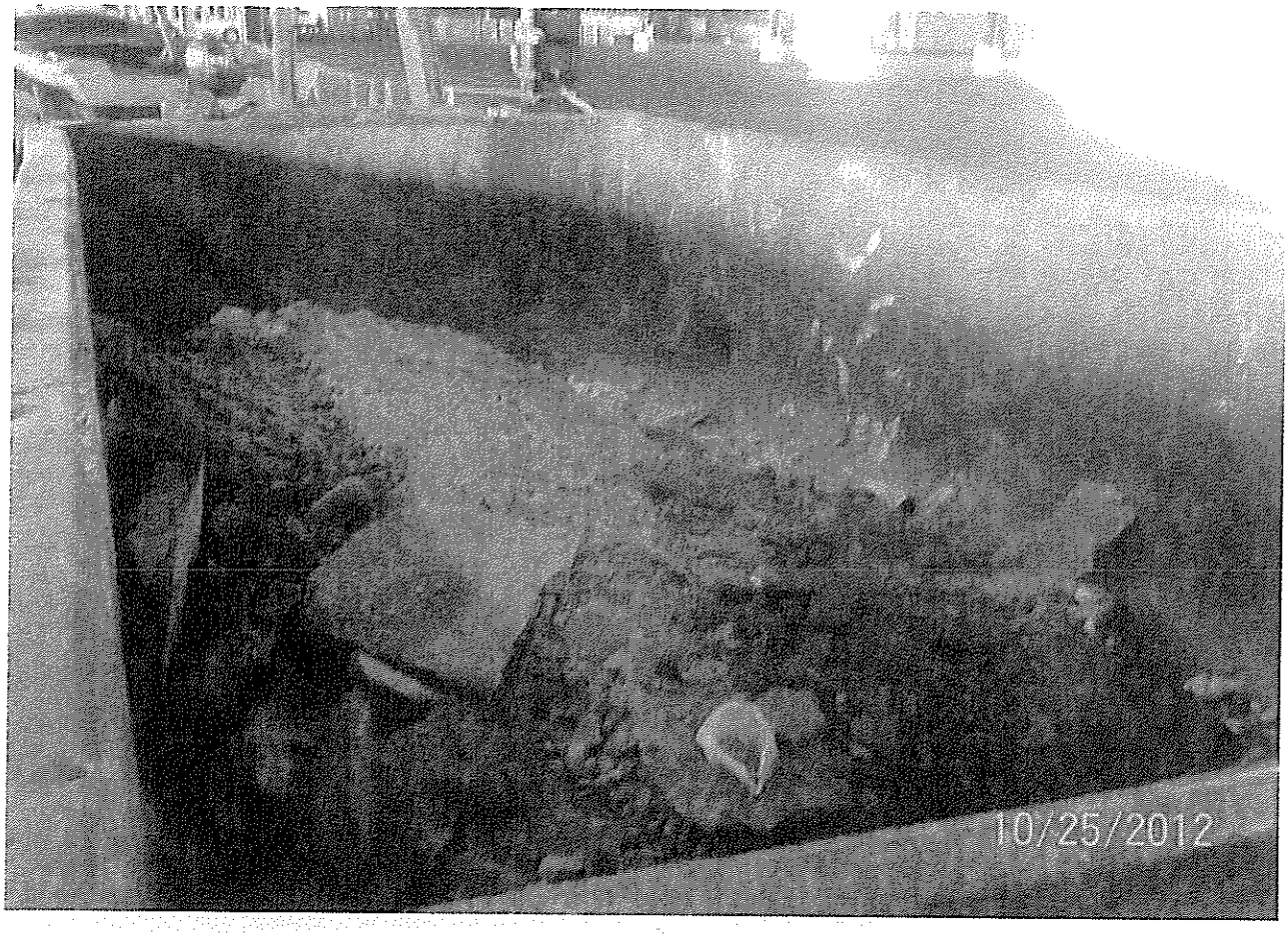
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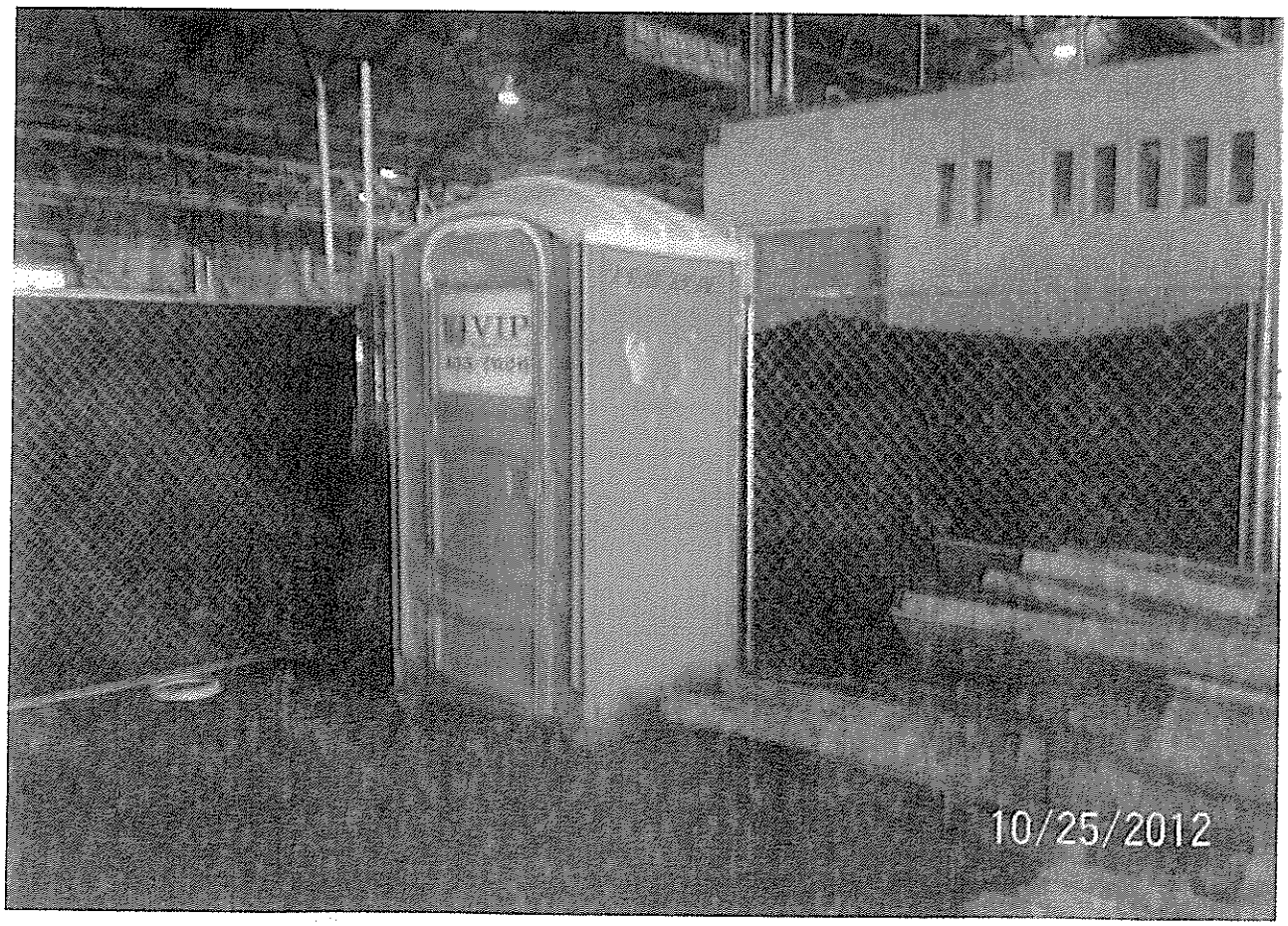
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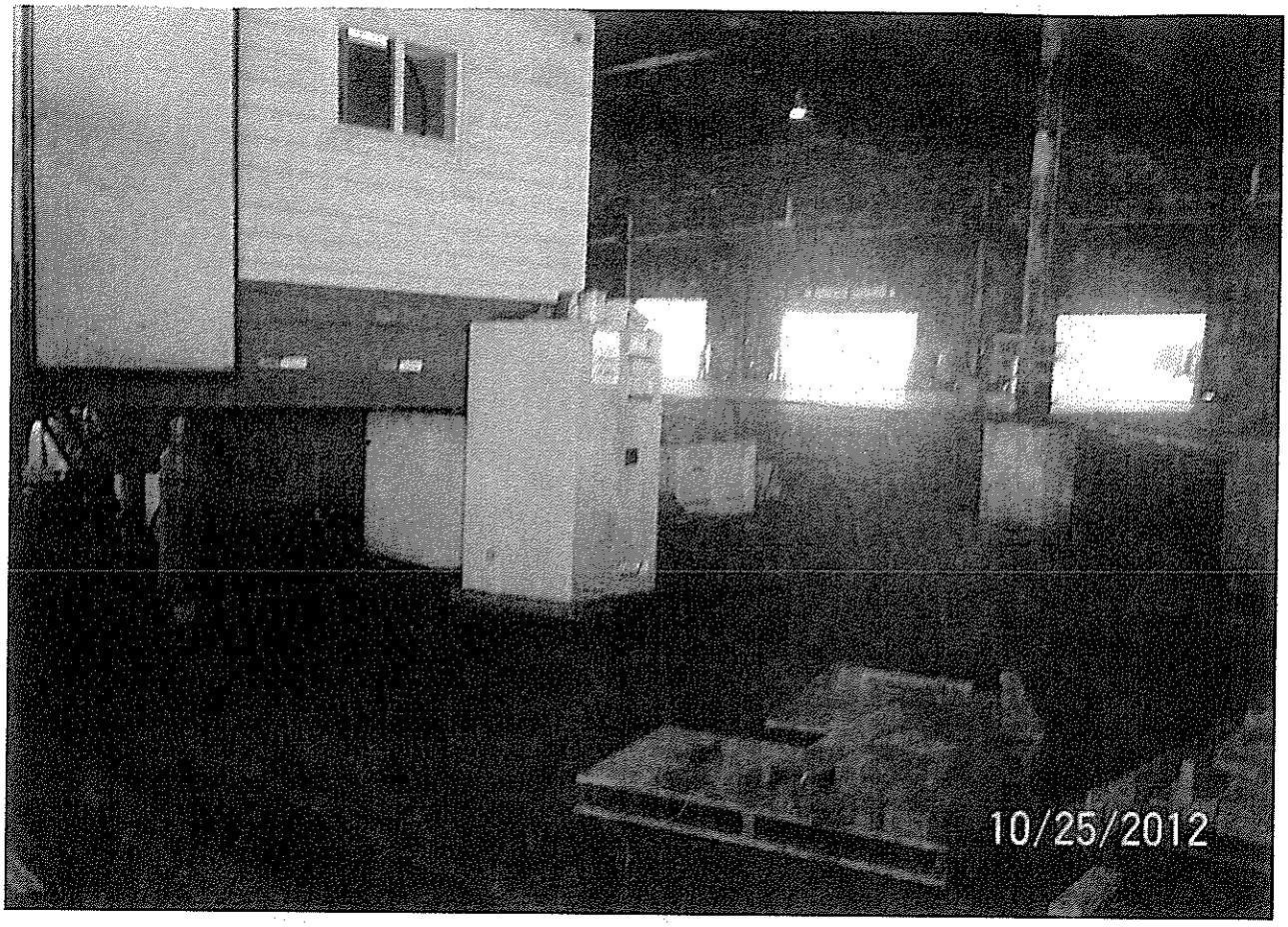
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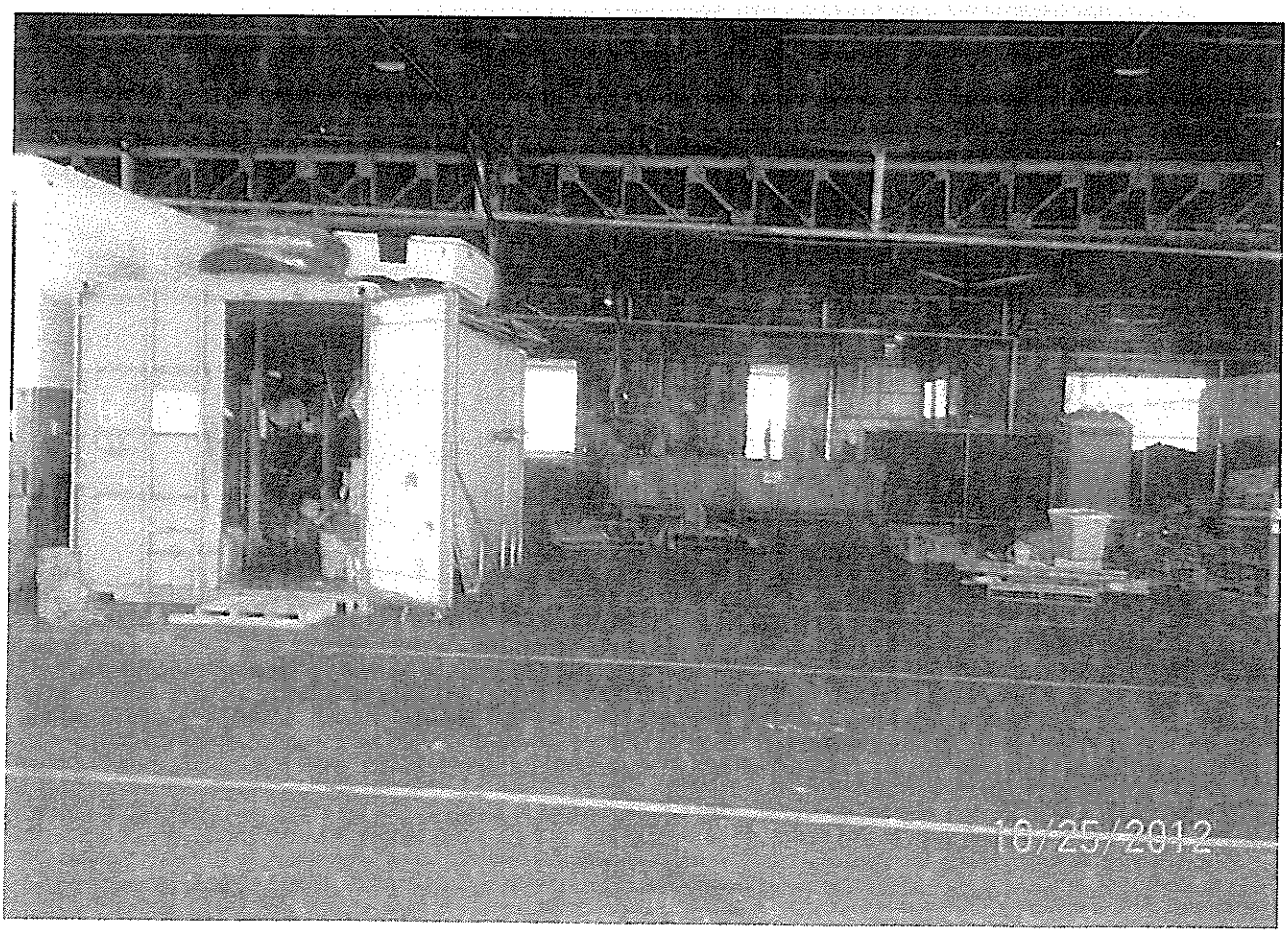
10/25/2012

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Project Title: Ala Moana WW Pump Station Force Mains #3 and #4 NGPC No. HIR10D872

Project No.: (Fort Armstrong Site)

Contractor: Colluccio Bros (for C&C of Honolulu); William Nakamui (Yogi Kuroy) (CM for City)

Verified By: _____ Date: 5/8/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
Trench drain inlets on Diablo St. (4)	inlet protection	Y	Good	Perform periodic maintenance to remove trash
Contractor Staging Area (Corner of Forrest & Diablo)	Perimeter socks/ silt fence	Y	Good	

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Perform periodic maintenance to remove trash/debris from drop inlets.

To be performed by: Yogi Kwong / Caltrans on or before: Ongoing

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
Contractor Staging Area				
-Forest Av. Entrance	None	N/A	N/A	Monitor for sediment from truck tires
-Ilsley St. Entrance	gravel	Y	good	Minimal sediment on paved surface.

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:
Monitor Forest Av. entrance for sediment/debris tracks

To be performed by: William Mskrtchi / Colucci Bros on or before: on-going

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting		
Dust Control		
Dewatering		
Concrete Slurry loading Station (Forrest Av.)	Y	Monitor to keep area Clean

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste		Off-Site
Vehicle/Equipment Fueling		
Vehicle/Equipment Cleaning		
Vehicle/Equipment Maintenance		
Material Storage		
Spill Prevention/Control		
Waste Storage/Disposal		

1. Ilalo Street trench drain: inlets protected with filter fabric.

2. Forrest Avenue Concrete slurry loading station.

3. Perimeter sock around contractor staging area (off-site).

4. Contractor staging area on HCDA property.

5. Contractor staging area (off-site) viewed from Forrest Avenue entrance.

6. Concrete slurry loading station on Forrest Avenue.

7. Entrance to staging area on Forrest Avenue.

8. Stabilized entrance to staging area on Ilalo Street.

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Harbors Division will not allow grading or site-work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance, BMPs and pollution prevention are implemented correctly and in the right locations.

Project Title: Ala Moana WW Pump Station Force Mains #3 and #4 (Sand Island Site) NGPC No. HIR1ϕ0872

Project No.: _____

Contractor: Collucci Bros; Yogi Kwong Engineers (William Mikami, CM for City)

Verified By: _____ Date: 5/11/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
Entire Staging Area	Perimeter Sock	Y	Fair/Good	Monitor low spots for excessive sediment build-up.

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Ensure Stockpiles have sediment controls.

To be performed by: Colucci on or before: ongoing

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

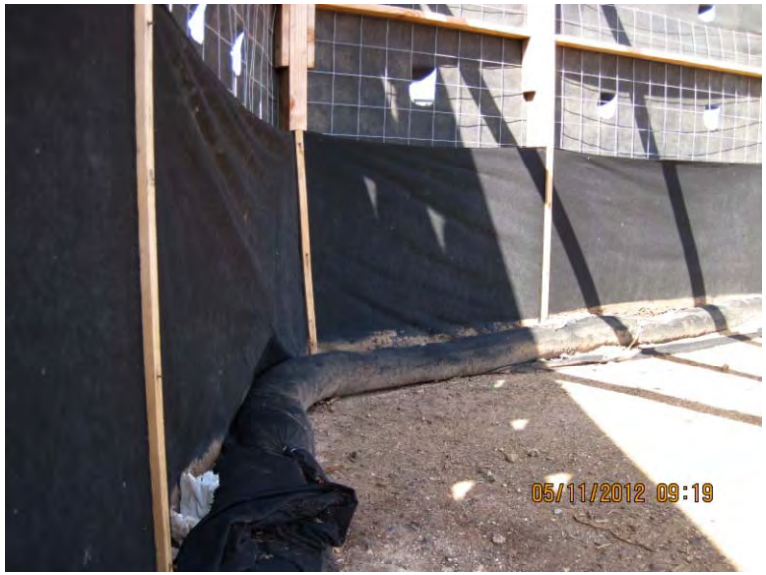
Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting		
Dust Control		
Dewatering		

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste		
Vehicle/Equipment Fueling		
Vehicle/Equipment Cleaning		
Vehicle/Equipment Maintenance		
Material Storage	NO	Stockpiles – no evidence of sediment controls used @ stockpiles
Spill Prevention/Control		
Waste Storage/Disposal		Monitor for potential trash – eg. abandoned tires.

1. Perimeter fence along entire property is lined with dust screen and perimeter sock at base.

2. Staging area is to be used primarily for stockpiling of excavated materials.



3. Sediment accumulation at perimeter sock (low point).

4. Perimeter sock along property fence.

5. Discarded tires near material stockpiles.

6. View of Shaft SI #5.

SITE-SPECIFIC COMPLIANCE, BMP, POLLUTION PREVENTION PLAN

INSPECTION AND MAINTENANCE REPORT FORM

(TO BE COMPLETED BEFORE COMMENCEMENT OF GRADING OR SITE-WORK AND THEN EVERY TWO WEEKS FROM OCTOBER THROUGH APRIL, OTHERWISE, BI-MONTHLY)

Harbors Division will not allow grading or site-work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance, BMPs and pollution prevention are implemented correctly and in the right locations.

Project Title: Ala Moana WW Pump Sta. Force Mains #3 and #4 (Fort Armstrong AND Sand Island Sites) NGPC No. HTR10872

Project No.: _____

Contractor: Colluccio Bros.; Yogi Kwong Eng. (William Nakazawa, CM for City)

Verified By: Randall Leong Date: 7/13/12

(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
Idaho St Trench drain Inlets (4)	Inlet Protection	No	Fair	One inlet had no filter fabric Others filled w/ loose gravel
Staging Area (Corner of Idaho & Forrest)	Perimeter Socks/ Silt Fence	Y	good	
Sand Island Staging Area	Perimeter Socks	Y	Good	

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Restore filter fabric protection as needed. Clean other inlets.

To be performed by: Yogi Kwong / Colucci on or before: ASAP

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
Forrest Av Entrance	None		Fair	Some tracks of sediment noticed.
Idaho St. Entrance	gravel	No	Poor	See Notes

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Idaho St entrance gravel stabilization was paved over w/ asphalt — not consistent w/ BMP Plan. Contractor to restore gravel stabilization.

To be performed by: Colucci / Yogi Kung on or before: ASAP

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting		
Dust Control		
Dewatering		

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste		
Vehicle/Equipment Fueling		
Vehicle/Equipment Cleaning		
Vehicle/Equipment Maintenance		
Material Storage		
Spill Prevention/Control		
Waste Storage/Disposal		SI Site: Excessive litter. Need to clean-up prior to completion.

1. Ilalo Street trench drain inlets protected with filter fiber (with the exception of the one on the right (facing northeast)..

2. The drain inlet not equipped with filter fiber and filled with gravel.

3. Perimeter sock around contractor staging area (facing southwest).

4. Perimeter fence along property (at Sand Island) is lined with dust screen and sock at base (facing northwest).

5. Entrance to staging area on Forrest Avenue. Noticeable trailer tracks on road (facing northeast).

6. Asphalt-paved entrance to staging area on Ilalo Street (facing northeast).

7. Contractor staging area viewed from Forrest Avenue entrance (facing southeast).

8. Contractor staging area viewed from Forrest Avenue entrance (facing south).

9. Discarded packaging bags and trash observed along perimeter fence (at Sand Island, facing northeast).

10. Aggregates and fiber reinforced concrete pipes stored at the staging area (at Sand Island, facing northwest).

11. View of Shaft SI #5 (at Sand Island, facing north).

SITE-SPECIFIC COMPLIANCE, BMP, POLLUTION PREVENTION PLAN

INSPECTION AND MAINTENANCE REPORT FORM

(TO BE COMPLETED BEFORE COMMENCEMENT OF GRADING OR SITE-WORK AND THEN EVERY TWO WEEKS FROM OCTOBER THROUGH APRIL, OTHERWISE, BI-MONTHLY)

Harbors Division will not allow grading or site-work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance, BMPs and pollution prevention are implemented correctly and in the right locations.

Project Title: McMorran WW Pump Station FM #3 and #4 NGPC No. HIR1ΦD872
Iwilei St and Shaft AM #2 / Shaft AM #1 & Pier 1 / Sand Island Site (8/22/12)

Project No.: _____

Contractor: Fcce ; Yogi Kwong Eng (William M Mormi – CM for City)

Verified By: Randall Lee Date: 8/20/12
(HDOT Project Inspector/Engineer's Signature)

EROSION CONTROL - SLOPES/EXPOSED AREAS

Location	Date Disturbed	Erosion Control Measure established	Type of Erosion Control used	Acceptable (yes/no)	Comments

Notes/Actions:

_____

_____

_____

To be performed by: _____ on or before: _____

SEDIMENT CONTROL

Location	Type of Control (Silt fence, inlet protection, etc.)	Acceptable? (Yes/No)	*Rate Effectiveness of Control	Comments
Ilzlo St. Trench Drains	Inlet Protection	Y	Good	Protection restored on 7/19/12
Staging Area (Corner of Ilzlo and Forrest)	Silt fence/ perimeter socks	Y	Good	
Shaft AM #2 (Ilzlo & Forrest)	None	N	None	Recommend socks around Shaft AM #2 site
Shaft AM #1 (Pier 1)	Perimeter Socks	Y	Good	
Drain Inlets outside Shaft AM #1 (2 nearby inlets)	Inlet Protection	Y	Good	
Staging Area (8/22/12) (Yard Island Side)	Perimeter Socks	Y	Good	(Photos 12 to 16)

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

Recommend perimeter socks around the Shaft AM #2 site along dust fence and barricades. (See Photo #4&5)

To be performed by: Fcce ; Yogi Kwong on or before: ASAP

STABILIZED CONSTRUCTION ENTRANCE

Location	Type of Stabilization	Acceptable? (Yes/No)	*Effectiveness of method used	Comments
Forrest Av. Entrance	None	Y	FAIR	monitor condition if used as main egress
Ilsley St. Entrance	gravel	Y	Good	Restored on 7/19/12 Some over silted over
Shuttle Ave #1 Entrance	gravel	Y	N/A	

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS (SEDIMENT BASINS)

(Check for Condition of Basin and Condition of outfall)

Location	Type of Sediment Basin	Acceptable? (Yes/No)	*Effectiveness of Sediment Basin	Comments

(* Effectiveness Rating: Excellent, Very Good, Good, Fair, Poor)

Notes/Actions:

To be performed by: _____ on or before: _____

OTHER CONSTRUCTION ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Sawcutting		
Dust Control		
Dewatering		

CONTRACTOR ACTIVITIES

Activity	Adequate BMPs? (Yes/No)	Comments
Concrete Washout/Waste		
Vehicle/Equipment Fueling		
Vehicle/Equipment Cleaning		
Vehicle/Equipment Maintenance		
Material Storage		
Spill Prevention/Control		
Waste Storage/Disposal		

1. Stabilized entrance restored at Ilalo Street (facing east).

2. Perimeter sock and silt fence around contractor staging area (facing northwest). Ilalo Street is to the left.

3. Perimeter sock and silt fence around contractor staging area (facing southeast). Ilalo Street is to the right

4. View of Shaft AM #2 (facing northwest); Ilalo Street.

5. Ilalo Street trench drain inlets protected with fabric filter (facing southwest).

6. Stabilized entrance at Shaft AM #1 (facing west, Pier 1).

7. Perimeter sock and silt fence around Shaft AM #1 (facing west-northwest; Pier 1). Entrance is to the left.

8. Perimeter sock and silt fence around Shaft AM #1 (facing south-southwest; Pier 1). Entrance is to the right.

9. Overview of activities conducted at Shaft AM #1 (facing west; Pier I).

10. Trench drain inlet, closest to the entrance and outside of Shaft AM #1, is protected with fabric filter (facing northwest).

11. Trench drain inlets (circled in red) outside of Shaft AM #1 are protected with fabric filter (facing southwest; Pier I).

12. Perimeter sock and silt fence around contractor staging area (facing west; Sand Island).

13. Perimeter sock and silt fence around contractor staging area along the south boundary (facing east; Sand Island)..

14. Discarded plastic packaging bags observed along south perimeter fence (facing east).

15. Fiber reinforced concrete pipes staged on site (facing east)

16. Contaminated soil stockpiled on site and covered with 10-mil sheet (at Sand Island; facing northwest).

Construction Site Best Management Practices Inspection Checklist

Date of Inspection: Oct 18, 2012	**Project Title:** Ala Moana WWPS Force Main #3 & #4		
Contractor: Collucio Construction Co.	**Project Job No.:** N/A	**NGPC No.:** HI R10D872	
Inspector: Y. Zhang; R. Leong; W. Makanui (for C&C)	**Weather: Sunny, dry**	**Photographs Attached:** ☑ Yes ☐ No	

AC: **A**dequate **C**ontainment
ACoC: **A**dequate **C**over **o**r **C**ontainment

		N/A	Control Device(s) Yes	Control Device(s) No	Require Maintenance Yes	Require Maintenance No	Description of Any Deficiency	Date Corrective Actions Taken	Notes
1.	Stabilized Construction Ingress/Egress?	☐	☑	☐	☐	☑			Monitor Forrest Av Ing/Egr
	Vehicular Tracking	☐	☐	☑	☑	☐	Minor tire track		At Forrest Avenue
2.	Erosion Control Device(s) - Slopes/Exposed Area	☑	☐	☐	☐	☐			
	Sediment Control (Silt fence, Perimeter sock)	☐	☑	☐	☐	☑			Perimeter socks okay.
	Storm Drain Inlet Protection (Fabric filter, Witch's hat)	☐	☑	☐	☑	☐	One needs repair		See Notes E
3.	Dust Control/Suppressant - Sawcutting/Demolition	☐	☑	☐	☐	☐			At Sand Island
	Concrete Washout Area (AC)	☑	☐	☐	☐	☐			
4.	Vehicle/Equipment Maintenance Area (ACoC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Clearing Area (AC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Fueling Area (AC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Storage Area (AC)	☑	☐	☐	☐	☐			
5.	Construction Material Storage Area (ACoC)	☐	☑	☐	☐	☑			
	Stockpiles of Aggregate (ACoC)	☐	☑	☐	☐	☑			
6.	Flammable/Fuel Storage Area (ACoC)	☑	☐	☐	☐	☐			
	Hazardous Material Storage (ACoC)	☑	☐	☐	☐	☐			
	Waste Storage Area (ACoC)	☐	☑	☐	☐	☑			
7.	Good Housekeeping Practices (Is project generally free of litter, sediment, etc.?)	☐	☑	☐	☑	☐			Ongoing
8.	Spill Prevention/Control - Spill Kit	☐	☑	☐	☑	☐	Two spills		See Notes F

Major Site Activites (please check any if applicable):
☐ Demolition ☐ Paving ☑ Excavation ☑ Hauling Materials ☑ Concrete Pouring ☑ Other, please specify: Staging

If any of the item listed below checked "Yes", please provide detailed information under Additional Notes.
A. Is contaminated soil present? ☑ Yes ☐ No **B.** Is sediment basin(s) present? ☑ Yes ☐ No
C. Is any illicit discharge present? ☐ Yes ☑ No
D. Dewatering and/or Hydrotesting - Is this project in compliance with all NPDES storm water permitting requirements? ☑ Yes ☐ No ☐ N/A

Rachel Leong — **Verified By (HDOT Project Inspector/Engineer's Signature)**

10/19/2012 — **Date**

PROTECT OUR WATER MĀLAMA I KA WAI

Construction Site Best Management Practices Inspection Checklist

Additional Notes:

A. Management of Contaminated Soil:
Contaminated soil was place on 10-mil sheet at Sand Island staging area.

B. Control and Maintenance Related to Sediment Basin(s):
A sediment basin is present at Sand Island staging area.

C. Evidence of Discharge of Pollutant(s) to State Receiving Waters:

D. Summary of Dewatering and/or Hydrotesting Activity (please list permit numbers and verify compliance):
Dewatering activity occurred on site. Need to document the permit number.

E. Ilalo St. inlets need occasional maintenance (Photo 5).
Filter material at inlet on DH/mauka side of Shaft AM#1 needs replacement (Photo16).

F. Two instances of spills observed. Oil spill was observed on Ilalo St. near Shaft AM#2 (Photo 11). Hydraulic fluid was leaking from equipment in contractor storage area (Photo 9). Absorbent material was placed on both spills. Leaking equipment should be repaired ASAP.

G.

H.

Remarks: This checklist is to be completed before commencement of grading or site-work and then every two weeks from October through April, otherwise, bimonthly. Harbors Division will not allow grading or construction work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance. BMPs and pollution prevention are implemented correctly and in the right locations.

State of Hawaii
Department of Transportation
Harbors Division

1. Perimeter sock, construction fence, and traffic barrier installed around Shaft AM #2 (facing south, Pier 1 to the right).

2. Perimeter sock, construction fence, silt fence, and traffic barrier installed around Shaft AM #2 (facing north).

3. Overview of secured construction area on Ilalo Street (facing east).

4. Ilalo Street trench drain inlets protected with fabric filter (facing northeast).

5. Ilalo Street trench drain inlets with gravel embedded in grating.

6. Oil stains observed on Forrest Avenue (facing southwest). Shaft AM#2 is at the background.. .

7. Overview of entrance to the staging area on Forrest Avenue (facing northeast). Tire tracks visible on the road.

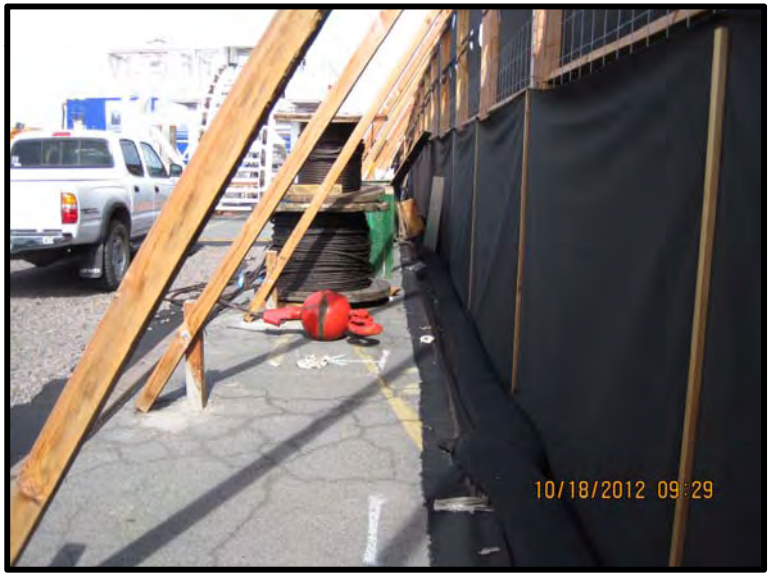
8. Perimeter sock and silt fence installed around the staging area (facing southwest). Forrest Avenue is to the right.

9. Hydraulic oil leaking from the equipment staged onsite (facing north, circled in red).

10. Upon notification, construction staff applied absorbent material (facing south).

11. Another oil spill (in red) observed near storm drain inlets (in yellow) on Ilalo Street (facing southwest).

12. Upon notification, construction staff applied absorbent material (facing southwest).



13. Perimeter sock and silt fence around Shaft AM #1 area along the north boundary (facing northwest).

14. Stabilized entrance to staging and construction area around Shaft AM #1 (facing northwest).

15. Perimeter sock and silt fence installed around Shaft AM #1 area along the east boundary (facing south).

16. Trench drain inlets outside of Shaft AM #1. Fabric filter inside the one in the foreground (circled in red) needs repair.

17. Perimeter sock and silt fence installed surrounding staging area at Sand Island (facing southwest).

18. Stockpiles at northwest portion of the staging area at Sand Island (facing south).

Construction Site Best Management Practices Inspection Checklist

Date of Inspection: November 21, 2012	**Project Title:** Ala Moana WWPS Force Main #3 & #4		
Contractor: Collucio Construction Co.	**Project Job No.:** N/A	**NGPC No.:** HI R10D872	
Inspector: Y. Zhang; R. Leong; W. Makanui (for C&C)	**Weather: Sunny, dry**	**Photographs Attached:** ☑ Yes ☐ No	

AC: **A**dequate **C**ontainment
ACoC: **A**dequate **C**over **o**r **C**ontainment

		N/A	Control Device(s) Yes	Control Device(s) No	Require Maintenance Yes	Require Maintenance No	Description of Any Deficiency	Date Corrective Actions Taken	Notes
1.	Stabilized Construction Ingress/Egress?	☐	☐	☑	☑	☐			See Note E
	Vehicular Tracking	☐	☐	☑	☑	☐	Visible tire tracks		at Forrest Avenue
2.	Erosion Control Device(s) - Slopes/Exposed Area	☑	☐	☐	☐	☐			
	Sediment Control (Silt fence, Perimeter sock)	☐	☑	☐	☐	☑			Perimeter socks okay.
	Storm Drain Inlet Protection (Fabric filter, Witch's hat)	☐	☑	☐	☐	☑			
3.	Dust Control/Suppressant - Sawcutting/Demolition	☑	☐	☐	☐	☐			
	Concrete Washout Area (AC)	☑	☐	☐	☐	☐			
4.	Vehicle/Equipment Maintenance Area (ACoC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Clearing Area (AC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Fueling Area (AC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Storage Area (AC)	☑	☐	☐	☐	☐			
5.	Construction Material Storage Area (ACoC)	☐	☑	☐	☐	☑			
	Stockpiles of Aggregate (ACoC)	☐	☑	☐	☐	☑			
6.	Flammable/Fuel Storage Area (ACoC)	☑	☐	☐	☐	☐			
	Hazardous Material Storage (ACoC)	☑	☐	☐	☐	☐			
	Waste Storage Area (ACoC)	☐	☑	☐	☑	☐			
7.	Good Housekeeping Practices (Is project generally free of litter, sediment, etc.?)	☐	☑	☐	☑	☐	Discarded litters		at Sand Island site along south boundary: ongoing
8.	Spill Prevention/Control - Spill Kit	☐	☑	☐	☐	☑			

Major Site Activites (please check any if applicable):
☐ Demolition ☐ Paving ☑ Excavation ☑ Hauling Materials ☑ Concrete Pouring ☑ Other, please specify: Staging

If any of the item listed below checked "Yes", please provide detailed information under Additional Notes.
A. Is contaminated soil present? ☑ Yes ☐ No **B.** Is sediment basin(s) present? ☐ Yes ☑ No
C. Is any illicit discharge present? ☐ Yes ☑ No
D. Dewatering and/or Hydrotesting - Is this project in compliance with all NPDES storm water permitting requirements? ☐ Yes ☐ No ☑ N/A

Rachel Leong — 11/26/2012

Verified By (HDOT Project Inspector/Engineer's Signature) **Date**

PROTECT OUR WATER MĀLAMA I KA WAI

Construction Site Best Management Practices Inspection Checklist

Additional Notes:

A. Management of Contaminated Soil:
Contaminated soil should be placed on 10-mil sheet.

B. Control and Maintenance Related to Sediment Basin(s):

C. Evidence of Discharge of Pollutant(s) to State Receiving Waters:

D. Summary of Dewatering and/or Hydrotesting Activity (please list permit numbers and verify compliance):
Dewatering activity occurred on site. Water was discharged to sanitary sewer system under Industrial Wastewater Discharge Permit.
(under IWDP Number 11TU-12 - Expiration Date 5/24/2013)

E. Install stabilized construction ingress/egress at Forrest Avenue. Entrance to Ilalo Street is limited due to construction of Shaft AM #2.

F.

G.

H.

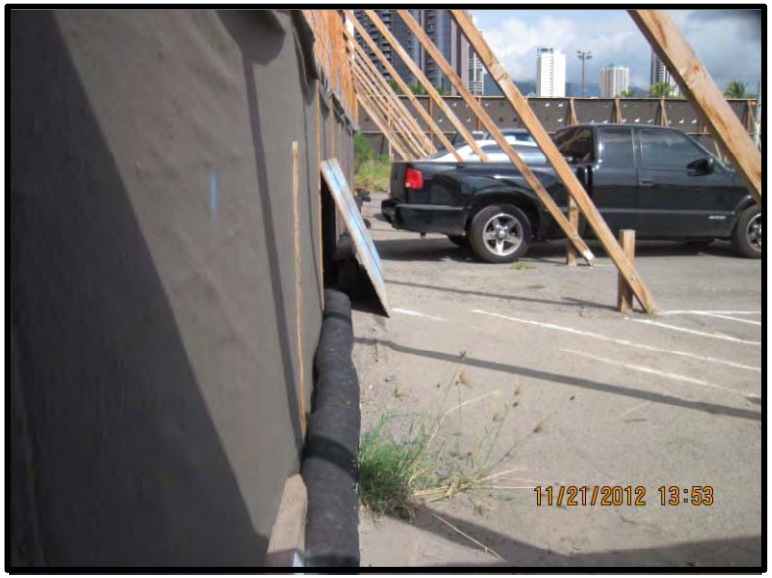
Remarks: This checklist is to be completed before commencement of grading or site-work and then every two weeks from October through April, otherwise, bimonthly. Harbors Division will not allow grading or construction work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance. BMPs and pollution prevention are implemented correctly and in the right locations.

State of Hawaii
Department of Transportation
Harbors Division

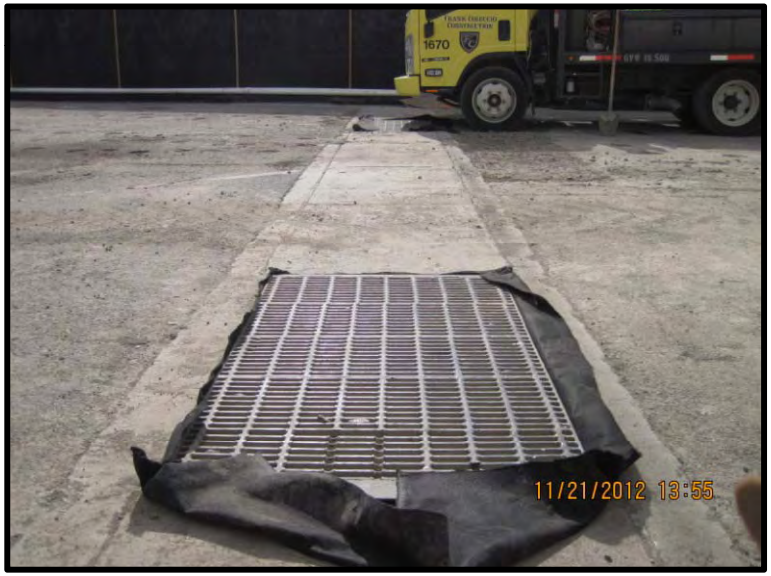
1. Overview of entrance to the staging area from Forrest Avenue (facing northeast). Tire tracks visible on the road.

2. Overview of the staging area by Ilalo Street (facing southeast). Tire tracks near the entrance to Forrest Avenue.

3. Overview of the staging area from Forrest Avenue entrance (facing south).



4. Perimeter sock and silt fence installed around the staging area along Forrest Avenue (facing northeast).



5. Ilalo Street trench drain inlets cleaned and protected with fabric filter (facing southwest).

6. Perimeter sock, construction fence, and traffic barrier installed around Shaft Am #2 (facing northwest).

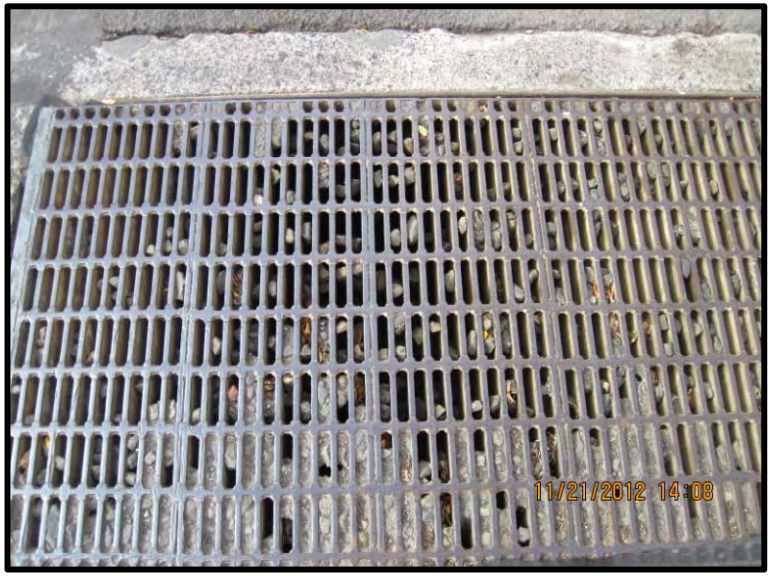
7. Perimeter sock and dust fence installed around the staging area on Ilaolo Street (facing southeast).

8. Overview of Shaft, located southwest of Ala Moana Waste Water Pump Station (facing east).

9. Perimeter sock and dust fence installed around the staging area (facing northwest). Ilalo Street is to the left.

10. Perimeter sock and dust fence installed around the staging area along Ilalo Street (facing southeast).

11. Ilalo Street Trench drain inlets outside of project area protected with fabric filter (facing east).

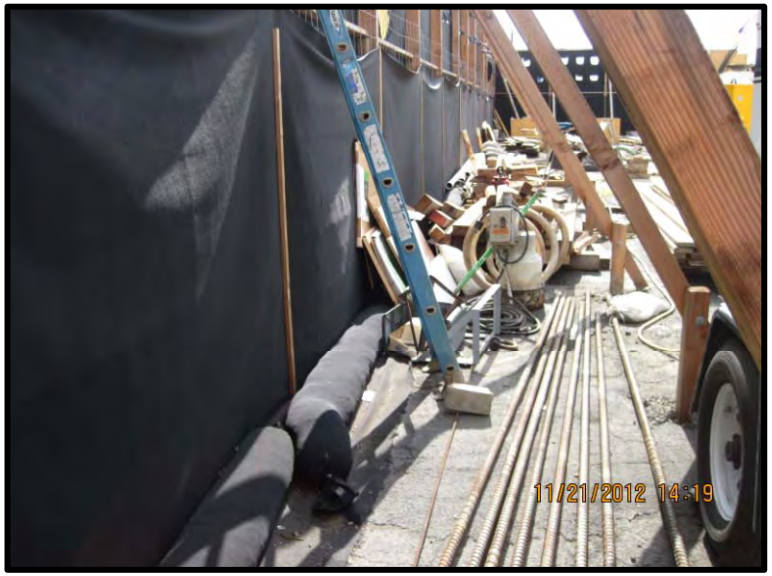


12. Ilalo Street trench drain inlets with gravel embedded in grating.

13. Trench drain inlets east of Shaft AM #1 area were stenciled and protected with fabric filter (facing northwest).

14. Stabilized entrance to staging and construction area around Shaft AM #1 (facing northwest).

15. Perimeter sock and silt fence installed around Shaft AM #1 area along the east boundary (facing northwest).



16. Perimeter sock and silt fence installed around Shaft AM #1 area along the south boundary (facing southwest).

17. Overview of construction and staging area at Shaft AM #1 (facing west). Shaft AM#1 is on the left.

18. Perimeter sock and dust fence installed at Sand Island (facing east). Discarded litters accumulated along the south.

19. Perimeter sock and silt fence installed along west and north boundary at Sand Island staging area (facing north).

20. Steel sectional pipes staging onsite at Sand Island (facing northeast).

21. Sediment basin not in use and in the process of being disassembled (facing east).

22. Scrap metals (in the middle) and contaminated soil stockpiled onsite at Sand Island staging area (facing east)

23. Small quantities of lubricants stored onsite at Sand Island staging area (facing east).

24. Wooden pallets stored onsite at Sand Island staging area (facing northwest).

Construction Site Best Management Practices Inspection Checklist

Date of Inspection: December 13, 2012	**Project Title:** Ala Moana WWPS Force Main #3 & #4	
Contractor: Collucio Construction Co.	**Project Job No.:** N/A	**NGPC No.:** HI R10D872
Inspector: Y. Zhang; R. Leong; W. Makanui (for C&C)	**Weather: Cloudy, dry**	**Photographs Attached:** ☑ Yes ☐ No

AC: **A**dequate **C**ontainment
ACoC: **A**dequate **C**over **o**r **C**ontainment

		N/A	Control Device(s) Yes	Control Device(s) No	Require Maintenance Yes	Require Maintenance No	Description of Any Deficiency	Date Corrective Actions Taken	Notes
1.	Stabilized Construction Ingress/Egress?	☐	☑	☐	☐	☑			
	Vehicular Tracking	☐	☑	☐	☐	☑			Tire tracks reduced.
2.	Erosion Control Device(s) - Slopes/Exposed Area	☑	☐	☐	☐	☐			
	Sediment Control (Silt fence, Perimeter sock)	☐	☑	☐	☑	☐	White stains		See Notes C and E.
	Storm Drain Inlet Protection (Fabric filter, Witch's hat)	☐	☑	☐	☐	☑			Filter fabric filter okay.
3.	Dust Control/Suppressant - Sawcutting/Demolition	☑	☐	☐	☐	☐			
	Concrete Washout Area (AC)	☑	☐	☐	☐	☐			
4.	Vehicle/Equipment Maintenance Area (ACoC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Clearing Area (AC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Fueling Area (AC)	☑	☐	☐	☐	☐			
	Vehicle/Equipment Storage Area (AC)	☑	☐	☐	☐	☐			
5.	Construction Material Storage Area (ACoC)	☐	☑	☐	☐	☑			
	Stockpiles of Aggregate (ACoC)	☐	☑	☐	☐	☑			
6.	Flammable/Fuel Storage Area (ACoC)	☑	☐	☐	☐	☐			
	Hazardous Material Storage (ACoC)	☑	☐	☐	☐	☐			
	Waste Storage Area (ACoC)	☐	☑	☐	☑	☐			
7.	Good Housekeeping Practices (Is project generally free of litter, sediment, etc.?)	☐	☑	☐	☑	☐			Ongoing for all sites.
8.	Spill Prevention/Control - Spill Kit	☐	☑	☐	☑	☐	Hydraulic fluid leak		See Note F.

Major Site Activites (please check any if applicable):

☐ Demolition ☐ Paving ☑ Excavation ☑ Hauling Materials ☑ Concrete Pouring ☑ Other, please specify: Staging

If any of the item listed below checked "Yes", please provide detailed information under Additional Notes.

A. Is contaminated soil present? ☑ Yes ☐ No **B.** Is sediment basin(s) present? ☐ Yes ☑ No

C. Is any illicit discharge present? ☑ Yes ☐ No At Shaft AM #1 Construction Site on Pier 1. See Notes C and E.

D. Dewatering and/or Hydrotesting - Is this project in compliance with all NPDES storm water permitting requirements? ☐ Yes ☐ No ☑ N/A

Rachel Leong — 12/14/2012

Verified By (HDOT Project Inspector/Engineer's Signature) **Date**

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Construction Site Best Management Practices Inspection Checklist

Additional Notes:

A. Management of Contaminated Soil:
Sand Island Construction Site - Contaminated soil should be placed on 10-mil sheet and covered.

B. Control and Maintenance Related to Sediment Basin(s):

C. Evidence of Discharge of Pollutant(s) to State Receiving Waters:
Pier 1 Construction Site - White stain and salt-like sediment were observed outside and northwest of staging and construction site at Shaft AM #1 (Photo 13). Similar white sediment extended extended from the site to a storm drain inlet approximately 200 feet away and northwest (Photo 15).

D. Summary of Dewatering and/or Hydrotesting Activity (please list permit numbers and verify compliance):
Dewatering activity occurred on site. Water was discharged to sanitary sewer system under Industrial Wastewater Discharge Permit. (under IWDP Number 11TU-12 - Expiration Date 5/24/2013)

E. Pier 1 Construction Site - Based on field observation, similar material was found underneath the dust fence and perimeter socks on-site (Photo 14). Please clean out and contain any on-site and off-site whitish sediments and properly dispose them. Please conduct a root-cause analysis of such illicit discharge to ensure such spill would not occur again in the future. Meanwhile, please monitor adjacent parking area surrounding the site.

F. Hydraulic fluid leak/spill was observed on steel plate around one of the supporters at construction site along Ilalo Street (Photo 6). Please clean up any spill on a timely basis and repair any leaking equipment as soon as possible. Keep sufficent supply of obserbent meaterial on-site.

G.

H.

Remarks: This checklist is to be completed before commencement of grading or site-work and then every two weeks from October through April, otherwise, bimonthly. Harbors Division will not allow grading or construction work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance. BMPs and pollution prevention are implemented correctly and in the right locations.

State of Hawaii
Department of Transportation
Harbors Division

1. Overview of newly stabilized entrance to the staging area from Forrest Avenue (facing southeast).

2. Overview of Forrest Avenue close to entrance (facing northeast). Tire tracks were significantly reduced.

3. Perimeter sock and silt fence installed around the staging area along Forrest Avenue (facing northeast).

4. Perimeter sock and silt fence installed along Ilalo Street (facing southeast). Ilalo Street entrance was secured.

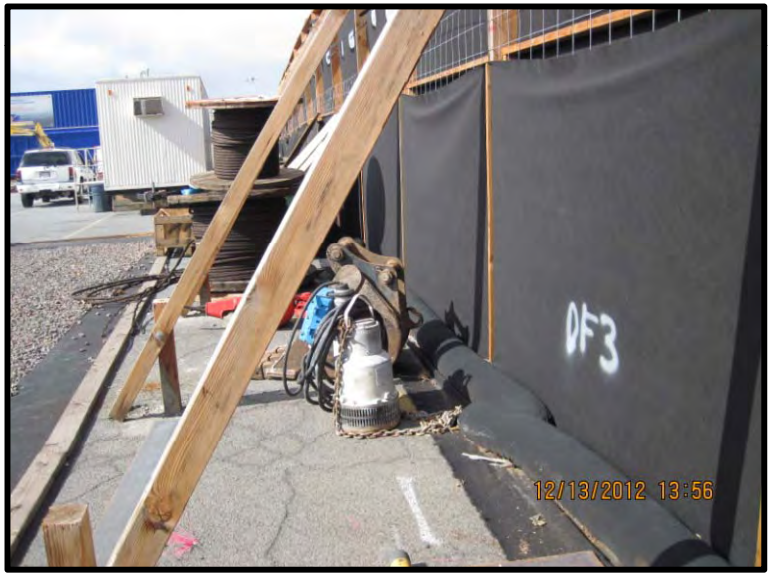
5. Perimeter sock, construction fence, and traffic barrier installed around Shaft AM #2 (facing southeast).

6. Hydraulic fluid leak/spill observed on steel plate around one of the supporters (circled in red; facing southwest)..

7. Distant view of one of the drain inlets on Ilalo Street (facing west).

8. The other two storm drain inlets on Ilalo Street across the fence from the staging area (facing east).

9. Stabilized entrance to staging and construction area around Shaft AM #1 (facing northwest).



10. Perimeter sock and dust fence installed around Shaft AM #1 (facing northwest).

11. Perimeter sock and dust fence installed around Shaft AM #1 (facing southwest).

12. The storm drain inlet closest to the Shaft AM#1 site stenciled and protected with fabric filter (facing northwest).

13. White stain and salt-like sediment observed northwest and outside of Shaft AM #1 site (facing southeast).

14. Close view of the whitish sediment underneath the dust fence and perimeter socks.

15. The whitish sediment around the storm drain inlet appro. 200 feet away and northwest of the site. (facing southeast).

16. Perimeter sock and silt fence installed at Sand Island staging area along south boundary (facing east).

17. Perimeter sock and silt fence installed at Sand Island staging area along west boundary (facing northwest).

18. Former sediment basin was removed from the site (facing east). Wastewater treatment plant is in the distance.

19. Piles of tires and wooden pallets staged on site at Sand Island (facing west).

20. Stockpiles of contaminated soil covered (facing east).

APPENDIX U
REVISED HARBORS CONSTRUCTION BMP INSPECTION CHECKLIST FORM

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Construction Site Best Management Practices Inspection Checklist

Date of Inspection:		**Project Title:**							
Contractor:		**Project Job No.:**					**NGPC No.:**		
Inspector:		**SSCBMP Updated and Onsite:** ☐ Yes ☐ No					**Photographs Attached:** ☐ Yes ☐ No		
Weather:			**Control Device(s)**		**Require Maintenance**			**Date Corrective**	
AC: Adequate **C**ontainment **ACoC: A**dequate **C**over **o**r **C**ontainment		**N/A**	**Yes**	**No**	**Yes**	**No**	**Description of Any Deficiency**	**Actions Taken**	**Notes**
1.	Stabilized Construction Ingress/Egress?	☐	☐	☐	☐	☐			
	Vehicular Tracking	☐	☐	☐	☐	☐			
2.	Erosion Control Device(s) - Slopes/Exposed Area	☐	☐	☐	☐	☐			
	Sediment Control (Silt fence, Perimeter sock)	☐	☐	☐	☐	☐			
	Storm Drain Inlet Protection (Fabric filter, Witch's hat)	☐	☐	☐	☐	☐			
3.	Dust Control/Suppressant - Sawcutting/Demolition	☐	☐	☐	☐	☐			
	Concrete Washout Area (AC)	☐	☐	☐	☐	☐			
4.	Vehicle/Equipment Maintenance Area (ACoC)	☐	☐	☐	☐	☐			
	Vehicle/Equipment Clearing Area (AC)	☐	☐	☐	☐	☐			
	Vehicle/Equipment Fueling Area (AC)	☐	☐	☐	☐	☐			
	Vehicle/Equipment Storage Area (AC)	☐	☐	☐	☐	☐			
5.	Construction Material Storage Area (ACoC)	☐	☐	☐	☐	☐			
	Stockpiles of Aggregate (ACoC)	☐	☐	☐	☐	☐			
6.	Flammable/Fuel Storage Area (ACoC)	☐	☐	☐	☐	☐			
	Hazardous Material Storage (ACoC)	☐	☐	☐	☐	☐			
	Waste Storage Area (ACoC)	☐	☐	☐	☐	☐			
7.	Good Housekeeping Practices (Is project generally free of litter, sediment, etc.?)	☐	☐	☐	☐	☐			
8.	Spill Prevention/Control - Spill Kit	☐	☐	☐	☐	☐			

Major Site Activites (please check any if applicable):

☐ Demolition ☐ Paving ☐ Excavation ☐ Hauling Materials ☐ Concrete Pouring ☐ Other, please specify:

If any of the item listed below checked "Yes", please provide detailed information under Additional Notes.

A. Is contaminated soil present? ☐ Yes ☐ No **B.** Is sediment basin(s) present? ☐ Yes ☐ No

C. Is any illicit discharge present? ☐ Yes ☐ No

D. Dewatering and/or Hydrotesting - Is this project in compliance with all NPDES storm water permitting requirements? ☐ Yes ☐ No ☐ N/A

Verified By (HDOT Project Inspector/Engineer's Signature) **Date**

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Additional Notes:

A. Management of Contaminated Soil:

B. Control and Maintenance Related to Sediment Basin(s):

C. Evidence of Discharge of Pollutant(s) to State Receiving Waters:

D. Summary of Dewatering and/or Hydrotesting Activity (please list permit numbers and verify compliance):

E.

F.

G.

H.

Remarks: This checklist is to be completed before commencement of grading or site-work and then every two weeks from October through April, otherwise, bimonthly. Harbors Division will not allow grading or construction work to commence until the project engineer or qualified project inspector have inspected the construction site to determine if the plans for site-specific compliance. BMPs and pollution prevention are implemented correctly and in the right locations.

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APPENDIX V
POST-CONSTRUCTION PROJECT REVIEWS

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PERMANENT POST-CONSTRUCTION BEST MANAGEMENT PRACTICE PLAN CHECKLIST

Applicant Name: _____ Date: _____

Project Name: Rehabilitation of Buildings and Yard Areas at Piers 34/35

TMK: (1) 1-5-034: pors. 004, 007, 008, 010, 026, and (1) 1-5-036: pors. 001, 002

Email: _____ Phone: _____

Site Location: _____

SECTION A

EXEMPTIONS (CHECK ALL THAT APPLY)

- ☐ Project generates less than 1 acre of new impervious surface and will not add a pollutant load to the HNL Small MS4 in excess of pre-construction conditions.
- ☐ Project returns the area to pre-development runoff conditions.
- ☐ Project that is a linear utility project.
- ☐ Project that does not discharge runoff into any waters of the United States.

☐ Other (provide explanation for proposed exemption):

INSTRUCTIONS – *Were any of the above exemptions checked?*

- No: The project must contain permanent BMPs. Complete Section B of this form, sign, and submit with construction plans for review.
- Yes: Skip Section B, sign, and submit this page only with construction plans for review. *Note that all exemptions are contingent upon approval from DOTA.

Submitted by Name & Title: _____

Signature: _____ Date: _____

SECTION B

PART ONE – ENVIRONMENTAL PERFORMANCE STANDARDS	YES	NO	N/A
1. Flow Control and Erosion Prevention			
a. Will post-construction volume or velocity cause significantly increased downstream erosion?	☐	☒	☐
b. Will project significantly disrupt flows supporting downstream wetland or habitat?	☐	☒	☐
2. Water Quality Protection			
a. Will the runoff cause/contribute to an exceedance of receiving water quality objectives, or to a condition of pollution, contamination, or nuisance?	☐	☒	☐
b. Will the runoff significantly degrade receiving water quality?	☐	☒	☐
c. Have pollutants in storm water been reduced to the maximum extent practicable (MEP)?	☒	☐	☐
3. Groundwater Quality Protection			
a. Is the infiltration of runoff to groundwater controlled to avoid polluting it?	☐	☐	☒

PART TWO – DESIGN AND BMP REQUIREMENTS	YES	NO	N/A
4. Performance Requirements			
a. Are the proposed post-construction BMPs appropriate to limit pollution in runoff from the site to the MEP?	☒	☐	☐
b. Are proposed BMPs appropriate based upon project site factors?	☒	☐	☐
c. Are proposed BMPs appropriate based upon the pollutant potential of the project?	☒	☐	☐
d. Are proposed BMPs appropriate based upon cost, including maintenance cost?	☒	☐	☐
e. Are proposed BMPs appropriate based upon the watershed area?	☐	☐	☒
f. Are proposed BMPs appropriate based upon the environmental impacts of pollution protection?	☒	☐	☐
5. Soil Stabilization BMPs			
a. Does the project conserve natural areas where practicable? (PC1)	☐	☐	☒
b. Does the project use buffer zones or other buffers for natural water bodies? (PC5)	☐	☐	☒

PART TWO – DESIGN AND BMP REQUIREMENTS (CONTINUED)	YES	NO	N/A
c. Will slopes and channels be protected from eroding to the MEP?	X		
i. Permanent seeding and planting? (PC2)	X		
ii. Mulching? (PC3)			X
iii. Geotextiles, mats, and erosion control blankets? (PC4)			X
6. Storm Water Flow Control BMPs			
a. Does the project decrease runoff velocity to minimize erosion?			X
i. Outlet protection or velocity dissipation devices? (PC9)			X
ii. Flared culvert end sections? (PC10)			X
iii. Slope roughening, terracing, or rounding? (PC11)			X
iv. Level spreader? (PC12)			X
b. Does the project direct runoff to a stabilized watercourse?			X
i. Earth dikes, drainage swales, or lined ditches? (PC6)			X
ii. Slope drains or subsurface drains? (PC7)			X
iii. Top and toe of slope diversion ditches or berms? (PC8)			X
7. Storm Water Treatment Control BMPs			
a. Have pollutants been properly identified?	X		
b. Are proper "treatment control" BMPs used to reduce pollution in runoff to the MEP?	X		
i. Sand filters? (PC19)		X	
ii. Oil / Grit separators? (PC20)	X		
iii. Continuous deflective separation? (PC21)		X	
c. Does the project site design maximize infiltration and retention, and minimize impervious surfaces?		X	
d. Does the project use landscaping to increase infiltration, retention, and slow runoff where feasible?		X	
i. Green Parking / Alternative Pavers? (PC17 and 18)		X	
ii. Alternative Wetlands? (PC16)		X	
iii. Green Roofs? (PC15)		X	
iv. Bioretention? (PC19)		X	
e. Is the infiltration of runoff to groundwater controlled?			X
i. Infiltration trench? (PC13)			X
ii. Retention basin? (PC14)			X

PART THREE – OTHER REQUIREMENTS	YES	NO	N/A
8. Are additional BMPs needed for the project to meet performance standards?	☐	☒	☐
9. Will the project cause prohibited discharges of non-storm water?	☐	☒	☐
10. Will this project protect storm water during construction?	☒	☐	☐
11. Is a shared structural treatment BMP proposed or appropriate for the project?	☒	☐	☐
12. Does this project ensure ongoing BMP maintenance? (Attach Operations and Maintenance Agreement or similar if required)	☒	☐	☐

PART FOUR – NARRATIVE

Describe the permanent post-construction BMPs that will be used. Ensure that they are identified on construction plans.

Use of Grate Inlet Skimmer Box and Trench Drain Filter.

APPENDIX W
STORM DRAIN CLEANING RECORDS

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State of Hawaii
Department of Transportation, Harbors Division
Storm Water Drain Inspection and Monitoring Report, Honolulu Harbor

1/ Map ID				Reference No			2/ Rain Event		
1/ Location		Type	No.		Date:	Comment	Date:	Comment	Initial
P	1	B	1		May - June 2012	Inspect /Clean			
P	1	B	2		May - June 2012	Inspect /Clean			
P	1	B	3		May - June 2012	Inspect /Clean			
P	1	B	4		May - June 2012	Inspect /Clean			
P	1	B	5		May - June 2012	Inspect /Clean			
P	1	B	6		May - June 2012	Inspect /Clean			
P	1	B	7		May - June 2012	Inspect /Clean			
P	1	B	8		May - June 2012	Inspect /Clean			
P	1	B	9		May - June 2012	Inspect /Clean			
P	1	B	10		May - June 2012	Inspect /Clean			
P	1	B	11		May - June 2012	Inspect /Clean			
P	1	B	12		May - June 2012	Inspect /Clean			
P	1	B	13		May - June 2012	Inspect /Clean			
P	1	B	14		May - June 2012	Inspect /Clean			
P	1	O	1		May - June 2012	Inspect /Clean			
P	2	B	1		May - June 2012	Inspect /Clean			
P	2	B	2		May - June 2012	Inspect /Clean			
P	2	B	3		May - June 2012	Inspect /Clean			
P	2	B	4		May - June 2012	Inspect /Clean			
P	2	T	1		May - June 2012	Inspect /Clean			
P	2	O	1		May - June 2012	Inspect /Clean			
P	2	O	2		May - June 2012	Inspect /Clean			
P	2	O	3		May - June 2012	Inspect /Clean			
P	2	O	4		May - June 2012	Inspect /Clean			
P	2	O	5		May - June 2012	Inspect /Clean			
P	2	O	6		May - June 2012	Inspect /Clean			
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P	2	O	8		May - June 2012	Inspect /Clean			
P	2	O	9		May - June 2012	Inspect /Clean			
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P	3	O	2		May - June 2012	Inspect /Clean			
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P	7	O	2		May - June 2012	Inspect /Clean			
P	7	O	3		May - June 2012	Inspect /Clean			
P	8	O	1		May - June 2012	Inspect /Clean			
P	8	O	2		May - June 2012	Inspect /Clean			
P	8	O	3		May - June 2012	Inspect /Clean			
P	8	O	4		May - June 2012	Inspect /Clean			
P	8	O	5		May - June 2012	Inspect /Clean			
P	8	O	6		May - June 2012	Inspect /Clean			
P	9	O	1		May - June 2012	Inspect /Clean			

Storm Water Drain Inspections
Monitoring Report

1/ Map ID				Reference No			2/ Rain Event		
1/ Location		Type	No.		Date:	Comment	Date:	Comment	Initial
P	9	O	2		May - June 2012	Inspect /Clean			
P	9	O	3		May - June 2012	Inspect /Clean			
P	9	O	4		May - June 2012	Inspect /Clean			
P	9	O	5		May - June 2012	Inspect /Clean			
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P	18	B	2		May - June 2012	Inspect /Clean			
P	18	B	3		May - June 2012	Inspect /Clean			
P	18	B	4		May - June 2012	Inspect /Clean			
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P	19	B	6		May - June 2012	Inspect /Clean			
P	19	B	7		May - June 2012	Inspect /Clean			
P	19	B	8		May - June 2012	Inspect /Clean			
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p	23	B	6		May - June 2012	Inspect /Clean			
p	23	B	7		May - June 2012	Inspect /Clean			
p	23	B	8		May - June 2012	Inspect /Clean			

Storm Water Drain Inspections
Monitoring Report

1/ Map ID				Reference No			2/ Rain Event		
1/ Location		Type	No.		Date:	Comment	Date:	Comment	Initial
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p	24	0	1		May - June 2012	Inspect /Clean			
p	24	0	2		May - June 2012	Inspect /Clean			
p	24	B	1		May - June 2012	Inspect /Clean			
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P	33	B	6		May - June 2012	Inspect /Clean			
P	33	B	7		May - June 2012	Inspect /Clean			
P	33	B	8		May - June 2012	Inspect /Clean			

Storm Water Drain Inspections
Monitoring Report

1/ Map ID				Reference No			2/ Rain Event		
1/ Location		Type	No.		Date:	Comment	Date:	Comment	Initial
P	33	B	9		May - June 2012	Inspect /Clean			
P	33	B	10		May - June 2012	Inspect /Clean			
P	33	B	11		May - June 2012	Inspect /Clean			
P	33	B	12		May - June 2012	Inspect /Clean			
P	35	B	1		May - June 2012	Inspect /Clean			
P	35	B	2		May - June 2012	Inspect /Clean			
P	35	B	3		May - June 2012	Inspect /Clean			
P	35	B	4		May - June 2012	Inspect /Clean			
P	35	B	6		May - June 2012	Inspect /Clean			
P	35	B	5		May - June 2012	Inspect /Clean			
P	35	B	6		May - June 2012	Inspect /Clean			
P	35	B	8		May - June 2012	Inspect /Clean			
P	35	B	9		May - June 2012	Inspect /Clean			
P	35	D1-P1	1		May - June 2012	Inspect /Clean			
P	35	D1-P2	2		May - June 2012	Inspect /Clean			
P	35	D1LD1	3		May - June 2012	Inspect /Clean			
P	35	D1LD2	4		May - June 2012	Inspect /Clean			
P	35	D1LD3	6		May - June 2012	Inspect /Clean			
P	35	D1LD4	5		May - June 2012	Inspect /Clean			
P	35	D1LD5	6		May - June 2012	Inspect /Clean			
P	35	D1AG1	8		May - June 2012	Inspect /Clean			
P	35	D1AG2	5		May - June 2012	Inspect /Clean			
P	35	D1-1	6		May - June 2012	Inspect /Clean			
P	38	D1B1	1		May - June 2012	Inspect /Clean			
P	38	D1C1	2		May - June 2012	Inspect /Clean			
P	38	D1C2	3		May - June 2012	Inspect /Clean			
P	38	TD 8	4		May - June 2012	Inspect /Clean			
P	38	TD1	6		May - June 2012	Inspect /Clean			
P	38	TD2A	5		May - June 2012	Inspect /Clean			
P	38	TD2B	6		May - June 2012	Inspect /Clean			
P	38	TD2C	8		May - June 2012	Inspect /Clean			
P	38	TD3	9		May - June 2012	Inspect /Clean			
P	39	B&T			Completed 6-10-12	Inspect & Clean			
P	40	B&T			Completed 6-10-12	Inspect & Clean			
P	41	B	1		May - June 2012	Inspect /Clean			
P	41	B	2		May - June 2012	Inspect /Clean			
P	41	B	3		May - June 2012	Inspect /Clean			
P	41	B	4		May - June 2012	Inspect /Clean			
P	41	B	5		May - June 2012	Inspect /Clean			
P	41	B	6		May - June 2012	Inspect /Clean			
P	41	B	7		May - June 2012	Inspect /Clean			
P	41	B	8		May - June 2012	Inspect /Clean			
P	41	B	9		May - June 2012	Inspect /Clean			
P	41	B	10		May - June 2012	Inspect /Clean			
P	41	B	11		May - June 2012	Inspect /Clean			
P	41	B	12		May - June 2012	Inspect /Clean			
P	41	B	13		May - June 2012	Inspect /Clean			
P	42	B	1		May - June 2012	Inspect /Clean			
P	42	B	2		May - June 2012	Inspect /Clean			
P	42	B	3		May - June 2012	Inspect /Clean			
P	42	B	4		May - June 2012	Inspect /Clean			
P	42	B	5		May - June 2012	Inspect /Clean			
P	42	B	6		May - June 2012	Inspect /Clean			
P	42	B	7		May - June 2012	Inspect /Clean			
P	42	B	8		May - June 2012	Inspect /Clean			

Storm Water Drain Inspections
Monitoring Report

1/ Map ID				Reference No			2/ Rain Event		
1/ Location		Type	No.		Date:	Comment	Date:	Comment	Initial
P	42	B	9		May - June 2012	Inspect /Clean			
P	42	B	10		May - June 2012	Inspect /Clean			
KMR		B	1		May - June 2012	Inspect /Clean			
KMR		B	2		May - June 2012	Inspect /Clean			
KMR		B	3		May - June 2012	Inspect /Clean			
KMR		B	4		May - June 2012	Inspect /Clean			
KMR		B	5		May - June 2012	Inspect /Clean			
KMR		B	6		May - June 2012	Inspect /Clean			
KMR		B	7		May - June 2012	Inspect /Clean			
KMR		B	8		May - June 2012	Inspect /Clean			
KMR		B	9		May - June 2012	Inspect /Clean			
KMR		B	10		May - June 2012	Inspect /Clean			
KMR		B	11		May - June 2012	Inspect /Clean			
KMR		B	12		May - June 2012	Inspect /Clean			
KMR		B	13		May - June 2012	Inspect /Clean			
KMR		B	14		May - June 2012	Inspect /Clean			
KMR		B	15		May - June 2012	Inspect /Clean			
KMR		B	16		May - June 2012	Inspect /Clean			
KMR		B	17		May - June 2012	Inspect /Clean			
KMR		B	18		May - June 2012	Inspect /Clean			
KMR		B	19		May - June 2012	Inspect /Clean			
KMR		B	20		May - June 2012	Inspect /Clean			
KMR		B	21		May - June 2012	Inspect /Clean			
KMR		B	22		May - June 2012	Inspect /Clean			
KMR		B	23		May - June 2012	Inspect /Clean			
KMR		B	24		May - June 2012	Inspect /Clean			
KMR		B	25		May - June 2012	Inspect /Clean			
KMR		B	26		May - June 2012	Inspect /Clean			
KMR		B	27		May - June 2012	Inspect /Clean			
KMR		B	28		May - June 2012	Inspect /Clean			
KMR		B	29		May - June 2012	Inspect /Clean			
KMR		B	30		May - June 2012	Inspect /Clean			
KMR		B	31		May - June 2012	Inspect /Clean			
KMR		B	32		May - June 2012	Inspect /Clean			
KMR		B	33		May - June 2012	Inspect /Clean			
KMR		B	34		May - June 2012	Inspect /Clean			
KMR		B	35		May - June 2012	Inspect /Clean			

State of Hawaii
Department of Transportation, Harbors Division
Storm Water Drain Inspection and Monitoring Report, Honolulu Harbor

1/ Map ID				Reference No							2/ Rain Event		
1/ Location		Type	No.		Date:	Comment					Date:	Comment	Initial
P	1	B	1		11/29/12	Und Cont							
P	1	B	2		11/29/12	Und Cont							
P	1	B	3		11/29/12	Und Cont							
P	1	B	4		11/29/12	Und Cont							
P	1	B	5		11/29/12	Und Cont							
P	1	B	6		11/29/12	1							
P	1	B	7		11/29/12	1							
P	1	B	8		11/29/12	4,SC							
P	1	B	9		11/29/12	SC-noises	water	sounds					
P	1	B	10		11/29/12	Broke DC							
P	1	B	11		11/29/12	Broke DC	und plate						
P	1	B	12		11/29/12	Und crane							
P	1	B	13		11/29/12	Und Cont							
P	1	B	14		11/29/12	Und Cont							
P	1	O	1		11/29/12	Waterside							
P	2	B	1		11/29/12	1							
P	2	B	2		11/29/12	2							
P	2	B	3		11/29/12	3,SC							
P	2	B	4		11/29/12	4,SC bugs							
P	2	T	1		11/29/12	2							
P	2	O	1		11/29/12	Waterside							
P	2	O	2		11/29/12	Waterside							
P	2	O	3		11/29/12	Waterside							
P	2	O	4		11/29/12	Waterside							
P	2	O	5		11/29/12	Waterside							
P	2	O	6		11/29/12	Waterside							
P	2	O	7		11/29/12	Waterside							
P	2	O	8		11/29/12	Waterside							
P	2	O	9		11/29/12	Waterside							
P	2	O	10		11/29/12	Waterside							
P	2	O	11		11/29/12	Waterside							
P	2	O	12		11/29/12	Waterside							
P	2	O	13		11/29/12	Waterside							
P	8	O	1		11/30/12	Waterside							
P	8	O	2		11/30/12	Waterside							
P	8	O	3		11/30/12	Waterside							
P	8	O	4		11/30/12	Waterside							
P	8	O	5		11/30/12	Waterside							
P	8	O	6		11/30/12	Waterside							
P	9	O	1		11/30/12	Waterside							
P	9	O	2		11/30/12	Waterside							
P	9	O	3		11/30/12	Waterside							
P	9	O	4		11/30/12	Waterside							
1/ Map ID				Reference No							2/ Rain Event		
1/ Location		Type	No.		Date:	Comment					Date:	Comment	Initial
P	9	O	5		11/30/12	Waterside							
P	10	b	1		11/29/12	3,SC							
P	18	B	1		11/30/12	bouy							
P	18	B	2		11/30/12	2							
P	18	B	3		11/30/12	2							
P	18	B	5		11/30/12	2							
P	18	B	6		11/30/12	2							
P	19	B	1		11/29/12	NC							
P	19	B	2		11/29/12	NC							
P	19	B	3		11/29/12	NC							
P	19	B	4		11/29/12	NC							
P	19	B	5		11/29/12	NC							

1/ Map ID				Reference No							2/ Rain Event		
1/ Location		Type	No.		Date:	Comment					Date:	Comment	Initial
P	19	B	6		11/29/12	NC							
P	19	B	7		11/29/12	NC							
P	19	B	8		11/29/12	NC							
P	19	B	10		11/29/12	NC							
P	19	B	11		11/29/12	NC							
P	19	B	12		11/29/12	NC							
P	20	B	1		11/29/12	NC							
P	21	B	1		11/29/12	NC							
P	21	B	2		11/29/12	NC							
P	21	B	2		11/29/12	NC							
P	21	B	3		11/29/12	NC							
P	21	B	4		11/29/12	NC							
P	21	B	5		11/29/12	NC							
P	21	B	6		11/29/12	NC							
P	21	B	7		11/29/12	NC							
P	21	B	8		11/29/12	NC							
P	21	B	9		11/29/12	NC							
p	21	B	10		11/29/12	NC							
p	21	B	11		11/29/12	NC							
p	21	B	12		11/29/12	NC							
p	21	B	13		11/29/12	NC							
p	21	B	14		11/29/12	NC							
p	21	B	15		11/29/12	NC							
p	21	B	16		11/29/12	NC							
p	21	B	17		11/29/12	NC							
p	22	B	1		11/29/12	NC							
p	22	B	2		11/29/12	NC							
P	22	O	1		11/29/12	NC							
P	23	O	1		11/29/12	NC							
P	23	O	2		11/29/12	NC							
P	23	0	3		11/29/12	NC							
p	23	B	1		11/29/12	NC							
p	23	B	2		11/29/12	NC							
p	23	B	3		11/29/12	NC							
p	23	B	4		11/29/12	NC							
p	23	B	5		11/29/12	NC							
p	23	B	6		11/29/12	NC							
p	23	B	7		11/29/12	NC							
p	23	B	8		11/29/12	NC							
p	23	B	9		11/29/12	NC							
p	24	0	1		11/30/12	1							
p	24	0	2		11/30/12	1							
p	24	B	1		11/30/12	1							
p	24	B	2		11/30/12	1							
p	24	B	3		11/30/12	1							
p	24	B	4		11/30/12	1							
p	24	B	5		11/30/12	1							
p	24	B	6		11/30/12	1							
p	24	B	7		11/30/12	1							
p	24	B	8		11/30/12	1							
p	25	0	1		11/30/12	COVD							
p	25	0	2		11/30/12	COVD							
p	26	0	1		11/30/12	1							
p	26	0	2		11/30/12	1							
p	26	B	1		11/30/12	1							
p	26	B	2		11/30/12	1							
p	26	B	3		11/30/12	1							
p	26	B	4		11/30/12	NC							

1/ Map ID				Reference No							2/ Rain Event		
1/ Location		Type	No.		Date:	Comment					Date:	Comment	Initial
p	26	B	5		11/30/12								
p	27	B	1		11/30/12	1							
p	27	B	2		11/30/12	1							
p	28	0	1		11/30/12	No Drain							
P	29	0	1		11/30/12	No Drain							
P	29	0	2		11/30/12	No Drain							
P	31	B	1		11/30/12	No Map							
P	31	B	2		11/30/12	No Map							
P	31	B	3		11/30/12	No Map							
P	31	B	4		11/30/12	No Map							
P	31	B	5		11/30/12	No Map							
P	31	B	6		11/30/12	No Map							
P	31	B	7		11/30/12	No Map							
P	31	B	8		11/30/12	No Map							
P	31	B	9		11/30/12	No Map							
P	31	B	10		11/30/12	No Map							
P	31	B	11		11/30/12	No Map							
P	31	B	12		11/30/12	No Map							
P	31	B	13		11/30/12	No Map							
P	31	B	14		11/30/12	No Map							
P	31	B	15		11/30/12	No Map							
P	31	B	16		11/30/12	No Map							
P	31	B	17		11/30/12	No Map							
P	31	B	18		11/30/12	No Map							
P	31	T	1		11/30/12	No Map							
P	31	T	1A		11/30/12	No Map							
P	31	T	2		11/30/12	No Map							
P	31	T	2A		11/30/12	No Map							
P	33	B	1		11/30/12	No Map							
P	33	B	2		11/30/12	No Map							
P	33	B	3		11/30/12	No Map							
P	33	B	4		11/30/12	No Map							
P	33	B	5		11/30/12	No Map							
P	33	B	6		11/30/12	No Map							
P	33	B	7		11/30/12	No Map							
P	33	B	8		11/30/12	No Map							
P	33	B	9		11/30/12	No Map							
P	33	B	10		11/30/12	No Map							
P	33	B	11		11/30/12	No Map							
P	33	B	12		11/30/12	No Map							
P	35	B	1		11/30/12	No Map							
P	35	B	2		11/30/12	No Map							
P	35	B	3		11/30/12	No Map							
P	35	B	4		11/30/12	No Map							
P	35	B	6		11/30/12	No Map							
P	35	B	5		11/30/12	No Map							
P	35	B	6		11/30/12	No Map							
P	35	B	8		11/30/12	No Map							
P	35	B	9		11/30/12	No Map							
P	35	D1-P1	1		11/30/12	No Map							
P	35	D1-P2	2		11/30/12	No Map							
P	35	D1LD1	3		11/30/12	No Map							
P	35	D1LD2	4		11/30/12	No Map							
P	35	D1LD3	6		11/30/12	No Map							
P	35	D1LD4	5		11/30/12	No Map							
P	35	D1LD5	6		11/30/12	No Map							
P	35	D1AG1	8		11/30/12	No Map							
P	35	D1AG2	5		11/30/12	No Map							

1/ Map ID				Reference No							2/ Rain Event		
1/ Location		Type	No.		Date:	Comment					Date:	Comment	Initial
P	35	D1-1	6		11/30/12	No Map							
P	41	B	1		11/28/12	NC							
P	41	B	2		11/28/12	NC							
P	41	B	3		11/28/12	NC							
P	41	B	4		11/28/12	NC							
P	41	B	5		11/28/12	NC							
P	41	B	6		11/28/12	NC							
P	41	B	7		11/28/12	NC							
P	41	B	8		11/28/12	NC							
P	41	B	9		11/28/12	NC							
P	41	B	10		11/28/12	NC							
P	41	B	11		11/28/12	NC							
P	41	B	12		11/28/12	NC							
P	41	B	13		11/28/12	NC							
P	42	B	1		11/28/12	NC							
P	42	B	2		11/28/12	NC							
P	42	B	3		11/28/12	NC							
P	42	B	4		11/28/12	NC							
P	42	B	5		11/28/12	NC							
P	42	B	6		11/28/12	NC							
P	42	B	7		11/28/12	NC							
P	42	B	8		11/28/12	NC							
P	42	B	9		11/28/12	NC							
P	42	B	10		11/28/12	NC							
KMR		B	1		11/26/12	NC							
KMR		B	2		11/26/12	NC							
KMR		B	3		11/26/12	NC							
KMR		B	4		11/26/12	NC							
KMR		B	5		11/26/12	NC							
KMR		B	6		11/26/12	NC							
KMR		B	7		11/26/12	NC							
KMR		B	8		11/26/12	NC							
KMR		B	9		11/26/12	NC							
KMR		B	10		11/26/12	NC							
KMR		B	11		11/26/12	NC							
KMR		B	12		11/26/12	NC							
KMR		B	13		11/26/12	NC							
KMR		B	14		11/26/12	NC							
KMR		B	15		11/26/12	NC							
KMR		B	16		11/26/12	NC							
KMR		B	17		11/26/12	NC							
KMR		B	18		11/26/12	NC							
KMR		B	19		11/26/12	NC							
KMR		B	20		11/26/12	NC							
KMR		B	21		11/26/12	NC							
KMR		B	22		11/26/12	NC							
KMR		B	23		11/26/12	NC							
KMR		B	24		11/26/12	4							
KMR		B	25		11/26/12	NC							
KMR		B	26		11/26/12	NC							
KMR		B	27		11/26/12	NC							
KMR		B	28		11/26/12	NC							
KMR		B	29		11/26/12	NC							
KMR		B	30		11/26/12	NC							
KMR		B	31		11/26/12	NC							
KMR		B	32		11/26/12	NC							
KMR		B	33		11/26/12	NC							
KMR		B	34		11/26/12	NC							

1/ Map ID				Reference No							2/ Rain Event		
1/ Location		Type	No.		Date:	Comment					Date:	Comment	Initial
KMR		B	35		11/26/12	NC							
P	51	B	1		11/30/12	2							
P	51A	0	3		11/30/12	3							
P	51B	0	1		11/30/2012	2							
P	51B	0	2		11/30/2012	2							
p	51B	0	3		11/30/2012	2							
p	51C	0	1		11/30/2012	1							
p	51C	0	2		11/30/2012	2							
p	51C	0	3		11/30/2012	1							
P	52	B	1		11/29/2012	Matson							
P	52	B	2		11/29/2012	Operatns							
P	52	B	3		11/29/2012	Operatns							
P	52	T	1		11/27/12	3							
P	52	T	2		11/27/12	2							
P	52	T	3		11/27/12	2							
P	52	T	4		11/27/12	3							
P	52	T	5		11/27/12	3							
P	52	T	6		11/27/12	3							
P	52	T	7		11/27/12	3							
P	52	T	8		11/27/12	3							
P	52	T	9		11/27/12	3							
P	52	T	10		11/27/12	3							
P	52	T	11		11/27/12	3							