

Weekly Field Report
Week: 03-30-14 through 04-05-14
New Bedford Harbor Lower Harbor CAD Cell (LHCC)

This Weekly Field Report was prepared to serve as a summary of field activities conducted throughout the week for Phase I dredging of the New Bedford Harbor Lower Harbor CAD Cell (LHCC) in New Bedford, Massachusetts.

1. Introduction:

The weekly field report describes the activities carried out by the Contractor (Cashman/Tripp Marine), the Owner's Representative (Apex Companies, LLC), and any subcontractors completing work within the scope of the project requirements.

This Weekly Field Report represents the twenty second Report associated with Phase I dredging of the LHCC in New Bedford Harbor, and the associated handling and disposal of dredged materials at CAD cells within the Harbor, and at designated open-water disposal sites approved for this Project.

This 22nd Report for the LHCC dredging activities includes:

- Daily Inspection Reports from the dredging oversight performed during the week of March 30th through April 5th, 2014. These reports include notes on the equipment used on site, and a summary of contractor activities. (See Attachment 1);
- Water Quality Monitoring Forms completed for the week of March 30th through April 5th, 2014, (Attachment 2) summarizing monitoring survey data recorded during active dredging. Included with the attached forms is Figure 1 Lower Harbor CAD Cell Phase I Water Quality Monitoring Plan, which shows the locations of the water quality monitoring events conducted during this reporting period. Per the approved Water Quality Monitoring Plan and associated performance standards for the dredging efforts being conducted during this reporting period, Apex has:
 - Conducted water quality monitoring a minimum of one day per week
 - Performed visual inspections of dredged materials before the disposal of a scow for any visible debris or other items that could potentially become a hazard to navigation prior to the scow's departure for the offshore disposal site.

Summary:

The Contractor, Cashman Dredging and Marine Contracting, Co. LLC (Cashman) conducted dredging at the LHCC on March 31st and April 2nd, 3rd, 4th, and 5th. Dredging operations focused on the removal of Phase I Bottom of CAD Cell sediments. During this reporting period, dredging operations were conducted using a conventional digging bucket, with dredged materials being disposed offshore at the Rhode Island Sound Disposal Site (RISDS). Cashman was observed conducting these activities during the authorized operational window of 7AM until sunset, utilizing a single dredge plant – the Bobby D; two tugs – Ellsea and Lucinda Smith; a 2800 cubic yard split scow – Eddie Carroll; and two small utility boats.

With time of year restrictions now in place (January 15th through June 15th) all dredging activities were conducted within a silt curtained perimeter surrounding the LHCC.

2. Operational Notes:

Dredging:

Dredging of LHCC Phase I Bottom of CAD sediments continued during the week. Apex conducted one day of water quality monitoring on April 3rd while dredging was being performed to ensure that this activity did not result in an exceedance of any project-specific water quality standards.

Offshore Disposal:

Offshore disposal for LHCC Phase I Bottom of CAD sediments is scheduled and permitted for the Rhode Island Sound Disposal Site. Three offshore disposal events, using the split scow Eddie Carroll, were recorded during the week and occurred on April 1st, 3rd, and 5th.

Table 1 – Cumulative Dredging Progress

Period of Activity	Volume (cy)
Approximate Top of CAD Volume Dredged to Date*	24,890
Approximate Bottom of CAD Volume Dredged this Reporting Period	4,000
Approximate Bottom of CAD Volume Dredged to Date*	35,500

* Dredge volume quantities are estimated based on observed scow draft marks and an assumed density of the materials dredged. Given the uncertainty in the density of a composite mix of sediments being dredged, all volumes are confirmed and adjusted as necessary using bathymetric survey data.

3. Monitoring Summary

There were no water quality exceedances observed during this reporting period related to dredging operations. No water quality samples were collected.

Prepared by:
Apex Companies, LLC



John B. McAllister, P.E.
Senior Project Engineer

Attachment 1
Daily Inspection Reports



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Adam Hart **Date:** 03/30/2014

Contractor: Cashman/Weeks **Foreman/Supt:** Junior Huggins

Weather	AM:	<u>Heavy Rain</u>	Temperature	AM:	<u>43</u>
	PM:	<u>Rain</u>		PM:	<u>66</u>

Tides	High	<u>0817</u>	AM	<u>2040</u>	PM
	Low	<u>150</u>	AM	<u>1350</u>	PM

Manpower Onsite

Engineer 1 @ 3 Hrs
Operators 1 @ 3 Hrs
Mate 1 @ 3 Hrs
Deckhand 1 @ 3 Hrs
Captains 1 @ 3 Hrs

Other: _____ @ _____ Hrs

Equipment Onsite

Description:	<u>Bobby D.</u>	Hrs. <u>0</u>
	<u>Lucinda Smith</u>	Hrs. <u>3</u>
	<u>Ellsea</u>	Hrs. <u>0</u>
	<u>Eddie Carroll</u>	Hrs. <u>0</u>
	_____	Hrs. _____
	_____	Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

No dredging activities. 700 Dredge plant Bobby D. crew on site. 843 Tug boat Lucinda Smith brings the dredge plant Bobby D. north of bridge to the Pine Tripp dock area. 924 New excavator is put on the dredge plant Bobby D. 940 Tug boat Lucinda Smith brings dredge plant Bobby D. near silt curtain and spuds down. 955 Tug boat Lucinda Smith brings Bobby D. crew south bound to Shuster bulkhead. 1004 Tug boat Lucinda Smith ties to the Shuster bulkhead. 1008- All crews offsite, all equipment is inactive.

Visitors: _____

Signature: 

Title: Environmental Technician

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Date: 03/30/2014

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File: DIR_LHCC_033014



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell

CFDA No.: 66.802

Inspection Report

Inspector: Brett Young Date: 3/31/2014

Contractor: Cashman Foreman/Supt: Junior Huggins

Weather AM: Frozen Mix Temperature AM: 34
PM: Rain PM: 41

Tides High 0905 AM 2127 PM
Low 0237 AM 1429 PM

Manpower Onsite

Foreman 1 @ 12 Hrs
Operators 1 @ 12 Hrs
Laborers 3 @ 12 Hrs
Drivers 1 @ 12 Hrs
Other: 1 @ 9.5 Hrs

Equipment Onsite

Description: Bobby D Hrs. 9
Eddie Carroll Hrs. 12
Ellsea Hrs. 12
Lucinda Smith Hrs. 11
Red Skiff Hrs. 12
SEI 2000 Hrs. 0

Contractor Activities: (Attach Additional Sheets as Necessary)

0740- The Ellsea is moving the Bobby D while the Lucinda Smith moves the Eddie Carroll. Survey 4 is onsite. The silt curtain gate is open. 0805- Survey 4 exits the silt curtain and is offsite. 0810- The silt curtain gate is closed and dredging begins in cut 8 station 7+86. The Eddie Carroll is drafting; bow-4.5', stern-5'. 0820- The Bobby D is dredging full buckets into the Eddie Carroll. 0915- The Bobby D stops dredging to fix a cable and coordinate dredge locations with the operator. 0920- The Bobby D is relocating. 0940- The Bobby D begins dredging cuts 6, 7, & 8 station 7+47. 1015- The Bobby D stops dredging and the operator comes down to discuss dredge plan. 1107- The Bobby D resumes dredging into the Eddie Carroll. 1236- The Bobby D stops dredging to reposition. (continued)

Problems/Issues or Action Items:

The excavator on the Bobby D was taken off the barge on Saturday (3/29/14) in anticipation of a new one arriving on Sunday (3/30/14). The new excavator did not arrive on Sunday and may not be onsite until Wednesday (4/2/14). The old excavator was then put back on the Bobby D on Sunday instead. The GPS for the excavator was not put back into place and all station location data for this DIR was estimated using the cursor chainage for approximate bucket location. This is also the reason why the operator came down to discuss the dredge plan multiple times throughout the day, he was operating without a screen. Silt curtain is detached from a pylon in the north east corner. Junior is aware of the problem and is waiting for a less windy day to fix it.

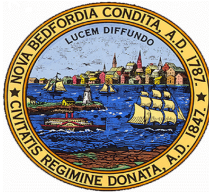
Visitors:

Signature: 
Title: Environmental Scientist

Date: 3/31/2014
Page: 1 of 3

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Brett Young

Date: 3/31/2014

Contractor: Cashman

Foreman/Supt: Junior Huggins

Weather	AM:	<u>Frozen Mix</u>	Temperature	AM:	<u>34</u>
	PM:	<u>Rain</u>		PM:	<u>41</u>
Tides	High	<u>0905</u>	AM	<u>2127</u>	PM
	Low	<u>0237</u>	AM	<u>1429</u>	PM

Contractor Activities: (Attach Additional Sheets as Necessary)

1256- The Bobby D resumes dredging into the Eddie Carroll at cuts 6, 8, & 10 station 7+10. 1354- The Bobby D stops dredging to reposition. 1400- The Bobby D resumes dredging cuts 6, 8, & 10 station 6+92. 1405- The Bobby D stops dredging to adjust the scow with assistance from Lucinda Smith. 1420- The Bobby D resumes dredging in cuts 6, 8, & 10 station 6+92. 1520- The Bobby D stops dredging to reposition. 1528- The Bobby D resumes dredging in cuts 8 & 10 station 6+85. 1535- The Bobby D stops dredging. 1550- The Bobby D resumes dredging into the Eddie Carroll. Drafts; bow-9.5', stern-10.5'. 1655- The Bobby D stops dredging and the operator comes down to discuss the dredging plan. They decide to delay dredging to wait for the tide. 1700- Silt curtain gate is opened. 1705- Lucinda Smith exits silt curtain headed southbound to South Terminal. 1708- Silt curtain is closed. 1745- Ellsea ties up to the Bobby D. 1746- The Bobby D repositions with assistance from Ellsea. Lucinda Smith tied up to the Richie Barber. 1805- Lucinda Smith unties from the Richie Barber and waits at the silt curtain gate. 1806- The Bobby D resumes dredging into the Eddie Carroll at cuts 5 & 10 station 5+88. 1816- The Bobby D stops dredging and begins to water down the Eddie Carroll. 1818- Silt curtain gate is opened and Lucinda Smith enters and ties up to the Eddie Carroll. The Bobby D places the bucket on the deck. 1820- The Eddie Carroll is inspected and cleared for offshore disposal. Eddie Carroll will not dispose tonight due to high winds offshore. Lucinda Smith will take the Eddie Carroll offshore tomorrow morning (4/1/14) after they assist the Bobby D in exchanging for the new excavator. Eddie Carroll final drafts; bow-10.5', stern-12'. 1825- Lucinda Smith takes the Eddie Carroll out of the silt curtain and brings it southbound to the staging area at south terminal.

Problems/Issues or Action Items:

Visitors: _____

Signature: 

Title: Environmental Scientist

Date: 3/31/2014

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Brett Young

Date: 3/31/2014

Contractor: Cashman

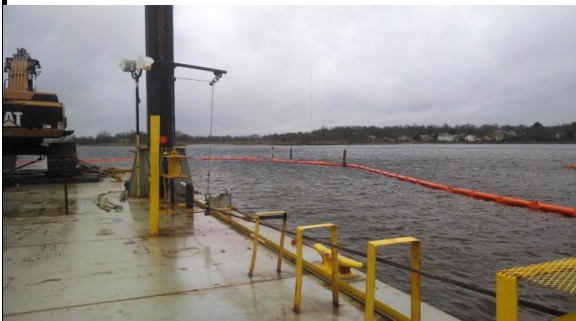
Foreman/Supt: Junior Huggins



The Bobby D dredges into the Eddie Carroll



The Richie Barber and Winslow



Portion of silt curtain dislodged from the pylon



Eddie Carroll with Lucinda Smith and Ellsea alongside

Visitors:

Signature: 
Title: Environmental Scientist

Date: 3/31/2014
Page: 3 of 3

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File: DIR_LHCC_033114



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Chris Stillman **Date:** 4/1/2014

Contractor: Cashman **Foreman/Supt:** Junior Huggins

Weather	AM:	<u>Overcast</u>	Temperature	AM:	<u>36</u>
	PM:	<u>Clear</u>		PM:	<u>42</u>
Tides	High	<u>0952</u>	AM	<u>2211</u>	PM
	Low	<u>0319</u>	AM	<u>1512</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>12</u>	Hrs
Operators	<u>1</u>	@	<u>12</u>	Hrs
Laborers	<u>2</u>	@	<u>12</u>	Hrs
Drivers	<u>1</u>	@	<u>12</u>	Hrs
		@		Hrs
		@		Hrs

Equipment Onsite

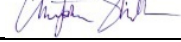
Description:	<u>Bobby D</u>	Hrs.	<u>0</u>
	<u>Eddie Carroll</u>	Hrs.	<u>12</u>
	<u>Ellsea</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>12</u>
	<u>Red Skiff</u>	Hrs.	<u>12</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>
		Hrs.	

Contractor Activities: (Attach Additional Sheets as Necessary)

The contractor brought in another excavator on a flat barge and will be replacing the excavator on the Bobby D. tomorrow. No dredging is planned for the day. 0845 The Lucinda Smith takes the Eddie Carrol to RI for offshore disposal.

Problems/Issues or Action Items:

Visitors:

Signature: 
Title: Chris Stillman, Enviromental Scientist

Date: 4/1/2014
Page: 1 of 2

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Chris Stillman

Date: 4/1/2014


Contractor: Cashman

Foreman/Supt: Junior Huggins



Photo 1: A new excavator for the Bobby D arrives on a flat barge.

Visitors: _____

Signature: 

Title: Chris Stillman, Environmental Scientist

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Date: 4/1/2014

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File: DIR_LHCC_040114



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Kyle Miller **Date:** 4/2/2014

Contractor: Cashman **Foreman/Supt:** Junior Huggins

Weather AM: Sunny **Temperature** AM: 36
PM: Cloudy PM: 52

Tides High 1048 AM 2300 PM
Low 0400 AM 1548 PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>13</u>	Hrs
Operators	<u>1</u>	@	<u>13</u>	Hrs
Engineer	<u>1</u>	@	<u>13</u>	Hrs
Deckhand	<u>1</u>	@	<u>13</u>	Hrs
Mate:	<u>1</u>	@	<u>13</u>	Hrs
Engineer from Wood 1:	<u>1</u>	@	<u>9</u>	

Equipment Onsite

Description: <u>Bobby D</u>	Hrs. <u>3</u>
<u>Eddie Carroll</u>	Hrs. <u>3</u>
<u>Ellsea</u>	Hrs. <u>0</u>
<u>Lucinda Smith</u>	Hrs. <u>11</u>
<u>Red Skiff</u>	Hrs. <u>13</u>
<u>SEI 2000</u>	Hrs. <u>0</u>
	Hrs.

Contractor Activities: (Attach Additional Sheets as Necessary)

0730 The Bobby D is spudded down approximately 50' west of the silt curtain opening at the LHCC. 0823 A new excavator is aboard the Bobby D and the crew is setting up. The tugs Dorothy and Lucinda Smith are assisting. 0829 Dorothy takes the SEI 33, the barge that delivered the new excavator, south. 0934 The Bobby D crew is changing the bucket. 1136 The Jacobs Company is inside LHCC surveying the CAD cell. 1140 The Bobby D crew continues changing the bucket and is now installing the GPS. 1240 Survey 4 arrives on site. 1305 The crew is fabricating brackets in order to mount the excavator to the deck of the Bobby D. 1420 The bucket is installed and the crew continues fabricating the brackets. 1607 The Lucinda Smith moves the Eddie Carrol and Bobby D back inside the LHCC silt curtain. 1640 The Bobby D begins dredging into the Eddie Carrol, drafting 4', in Cut 6, Sta. 5 + 89. 1840 The Bobby D stops dredging. The Eddie Carrol is drafting 5'. 1900 The Bobby D crew departs.

Problems/Issues or Action Items:

Visitors:

Signature: *Kyle Miller*
Title: Kyle Miller, Environmental Scientist

Date: 4/2/2014
Page: 1 of 2

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Kyle Miller

Date: 4/2/2014

Contractor: Cashman

Foreman/Supt: Junior Huggins



Photo 1: The Bobby D with a new excavator on board.



Photo 2: The crew on the Bobby D changes the bucket on the new excavator.

Visitors:

Signature: *Kyle Miller*

Title: Kyle Miller, Environmental Scientist

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Date: 4/2/2014

Page: 2 of 2

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Chris Stillman, Josh Ray **Date:** 4/3/2014

Contractor: Cashman **Foreman/Supt:** Horace Huggins

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>40</u>
	PM:	<u>Clear</u>		PM:	<u>52</u>
Tides	High	<u>1126</u>	AM	<u>2349</u>	PM
	Low	<u>0438</u>	AM	<u>1627</u>	PM

Manpower Onsite

Jr Huggins	Captain:	<u>1</u>	@	<u>12</u>	Hrs
Tom	Operators	<u>1</u>	@	<u>12</u>	Hrs
Dave	Mate	<u>1</u>	@	<u>12</u>	Hrs
Dwight	Engineer	<u>1</u>	@	<u>10</u>	Hrs
Josh	Deckhand	<u>1</u>	@	<u>12</u>	Hrs
Chris	Skiff	<u>1</u>	@	<u>10</u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>12</u>
	<u>Eddie Carroll</u>	Hrs.	<u>12</u>
	<u>Ellsea</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>5</u>
	<u>Red Skiff</u>	Hrs.	<u>10</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>
	<u>Tug Edna</u>	Hrs.	<u>2</u>

Contractor Activities: (Attach Additional Sheets as Necessary)

0628- 5 crew members arrive at the dredge plant Bobby D on the Red skiff. 0734- The Bobby D dredges its first bucket of the day into the Eddie Carroll. 0745- Dredging stops while the tug Lucinda Smith assists in relocating to the southwest area of the CAD dredge area. 0748- The Bobby D resumes dredging material into the split scow Eddie Carroll, drafting at 5'. 0925- Dredging stops. 0958- The Lucinda Smith moved the Bobby D to a cut in the northeast area of the CAD area. 1012- The Bobby D resumes dredging into the Eddie Carroll. 1029- The Cashman Survey 4 boat arrives onsite and dredging stops while the silt curtain opens and the Survey 4 begins work in CAD area. 1035- The silt curtain closes and dredging resumes. 1102- Dredging stops as the Survey 4 leaves the CAD area. The Lucinda Smith relocates the Bobby D to a new cut, still in the northeast area. 1109- The silt curtain is closed and dredging resumes. 1140- The tug Edna arrives onsite to assist the Lucinda Smith in moving the Eddie Carroll 180° and back to the dredge plant. 1204- The Eddie Carroll is reversed and back alongside the Bobby D. 1215- The Edna and the Lucinda Smith travel south through the bridge. 1235- The Bobby D resumes dredging. 1240- Survey 4 enters the LHCC curtain to load a new matrix on the Bobby D operator's screen. 1447- The Bobby D moves to a new location 100' west and 100' south of the silt curtain. The Bobby D resumes dredging. 1646- The Bobby D moves south to dredge cut 10. 1750- The Bobby D stops dredging. The Eddie Carroll draft marks are: bow-11.5', stern: 9.5'. 1800- The Red Skiff opens the silt curtain gate. 1815 The Eddie Carroll is inspected and cleared for offshore disposal. 1826- The Lucinda Smith and Eddie Carroll head south for offshore disposal. There is no other activity on site.

Problems/Issues or Action Items:

Visitors: _____

Signature: 
 Title: Environmental Scientist

Date: 4/03/2014
 Page: 1 of 2

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Chris Stillman, Josh Ray

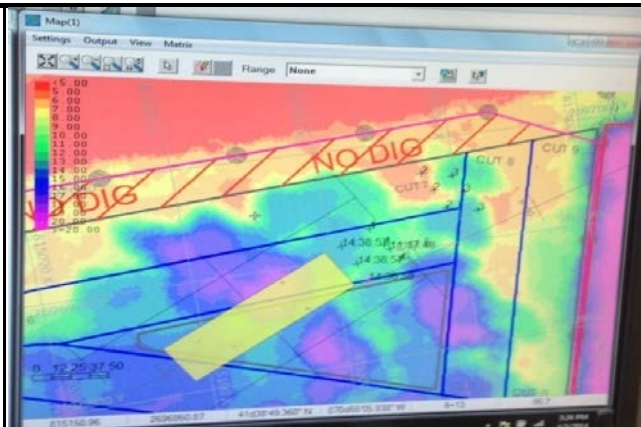
Date: 4/3/2014

Contractor: Cashman

Foreman/Supt: Horace Huggins



Bobby D. Dredging in Cut 6 in the Northeast corner of the CAD Cell.



Bobby D. matrix display showing dredge locations in Cuts 8, 7, and 6.



Bobby D. loading scow Eddie Carroll.



Scow Eddie Carroll at end of shift, Tug Lucinda Smith to transport to offshore disposal site.

Visitors: _____

Signature: 

Date: 04/03/14

Title: Environmental Scientist

Page: 2 of 2

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Mike Tumolo **Date:** 4/4/2014

Contractor: Cashman **Foreman/Supt:** Junior Huggins

Weather	AM:	<u>Sunny</u>	Temperature	AM:	<u>34</u>
	PM:	<u>Sunny</u>		PM:	<u>42</u>
Tides	High	<u>1210</u>	AM	<u>N/A</u>	PM
	Low	<u>0501</u>	AM	<u>1655</u>	PM

Manpower Onsite

Captain	<u>1</u>	@	<u>8</u>	Hrs
Operators	<u>1</u>	@	<u>8</u>	Hrs
Mate	<u>1</u>	@	<u>8</u>	Hrs
Deckhand	<u>3</u>	@	<u>8</u>	Hrs
Engineer	<u>1</u>	@	<u>8</u>	Hrs
Drivers	<u>2</u>	@	<u>14</u>	Hrs

Equipment Onsite


Description:	<u>Bobby D</u>	Hrs.	<u>5</u>
	<u>Eddie Carroll</u>	Hrs.	<u>14</u>
	<u>Ellsea</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>14</u>
	<u>Red Skiff</u>	Hrs.	<u>8</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Attach Additional Sheets as Necessary)

0830 The Eddie Carroll is tied up to the Bobby D but the Bobby D is not dredging. The Eddie Carroll is drafting at 3.5'. 0955- Bobby D begins dredging material into the Eddie Carroll at cut 9, station 7+91. 1111 The Bobby D stops dredging and moves 20' west. 1115 The Bobby D resumes dredging in cut 9, station 7+67. 1151- Dredging stops so the crew can complete hull maintenance. 1158 The Bobby D resumes dredging into the Eddie Carroll. 1216 The Bobby D relocates 10' west and continues dredging. 1337 Dredging stops to repair a broken cable. 1342 The Bobby D relocates 60' west and begins dredging material from cut 10, station 6+85, into the Eddie Carroll. 1416 Dredging is paused to work on the excavator antenna. 1426 The Bobby D resumes dredging into the SEI 2000. 1446 The Bobby D relocates 30' north and begins dredging from cut 10, station 6+77. 1516 The Bobby D finishes dredging into the Eddie Carroll. Its final draft marks are: bow- 8.5', stern- 6'. 1600- There is no activity on site.

Problems/Issues or Action Items:

Visitors: None

Signature: 
 Title: Mike Tumolo, Environmental Scientist

Date: 4/4/14

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File: DIR_LHCC_040414



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Mike Tumolo

Date: 4/4/2014

Contractor: Cashman

Foreman/Supt: Junior Huggins



Photo 1: The Bobby D dredges material into the Eddie Carroll.



Photo 2: Material dredged from the CAD area into the Eddie Carroll.

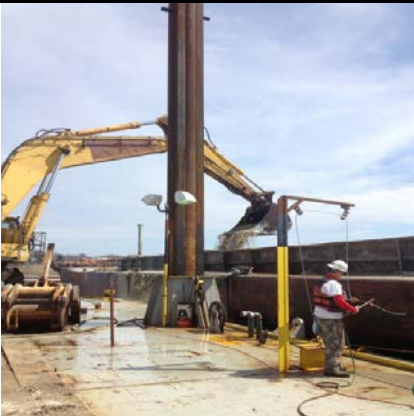



Photo 3: The Bobby D dredging into the Eddie Carroll.

Visitors: None

Signature: 
Title: Mike Tumolo, Environmental Scientist

Date: 4/4/2014
Page: 2 of 2

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File: DIR_LHCC_040414



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Kyle Miller **Date:** 4/5/2014

Contractor: Cashman **Foreman/Supt:** Horace Huggins

Weather	AM:	<u>Rain</u>	Temperature	AM:	<u>54</u>
	PM:	<u>Cloudy</u>		PM:	<u>32</u>
Tides	High	<u>0034</u>	AM	<u>1305</u>	PM
	Low	<u>0600</u>	AM	<u>1756</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>12.5</u>	Hrs
Operators	<u>1</u>	@	<u>10</u>	Hrs
Engineer	<u>1</u>	@	<u>11</u>	Hrs
Deckhand	<u>2</u>	@	<u>12.5</u>	Hrs
Mate	<u>1</u>	@	<u>12.5</u>	Hrs
Wood 1 Eng	<u>1</u>	@	<u>3</u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>8</u>
	<u>Eddie Carroll</u>	Hrs.	<u>12</u>
	<u>Edna</u>	Hrs.	<u>2</u>
	<u>Lucinda Smith</u>	Hrs.	<u>10</u>
	<u>Red Skiff</u>	Hrs.	<u>12</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>
		Hrs.	

Contractor Activities: (Attach Additional Sheets as Necessary)

0804- The Bobby D begins dredging material into the Eddie Carroll, drafting at 3.5'. 0912- The Bobby D continues dredging. 1238- The Bobby D is still dredging into the Eddie Carroll. 1430- The Bobby D stops dredging due to an o-ring failure. 1550- The crew is still attempting to complete repairs on the excavator. 1630- The operator leaves early for the day to attend to personal business and the rest of the crew continues with repairs. 1732- The Bobby D resumes dredging material into the Eddie Carroll from cut 5, station 6+47. The engineer from the Wood 1 is operating. 1745- The Bobby D engineer leaves for the evening. 1904- The Bobby D stops dredging for the day. The Eddie Carroll is inspected and cleared for offshore disposal, drafting at 9'. 1915- The crew of the Bobby D. departs.

Problems/Issues or Action Items:

The excavator on the Bobby D is down for approximately 3 hours due to mechanical issues. It was repaired and able to finish dredging for the day.

Visitors:

Signature: *Kyle Miller*
Title: Environmental Scientist

Date: 4/5/14
Page: 1 of 2

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File: _____



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Kyle Miller

Date: 4/5/2014

Contractor: Cashman

Foreman/Supt: Horace Huggins



The Bobby D dredging with Edna alongside.



The Bobby D dredging into the Eddie Carrol.



The Bobby D dredging into the Eddie Carrol.



Dredged material inside the Eddie Carrol.

Visitors:

Signature:

Kyle Miller

Title:

Environmental Scientist

Date: 4/5/2014

Page: 2 of 2

Copy to:

File

File: DIR_LHCC_040514

Attachment 2
Water Quality Monitoring Forms

PROJECT: New Bedford Harbor Lower Harbor CAD Cell
 JOB NUMBER: 6724
 DATE: 4/3/2014
 MONITORS: Josh Ray
 WEATHER CONDITIONS: High: 52 Low: 40
 WIND: 4-15 mph East
 PRIOR STORM EVENTS:
 DREDGE UPDATE: Dredging currently in NE Corner Cuts 6, 7, 8
 TYPE OF WATER QUALITY MONITORING EVENT: TOP CAD Dredging / BTM CAD Dredging / Disposal
 TIDE High: 1126/2349 Low: 0438/1637

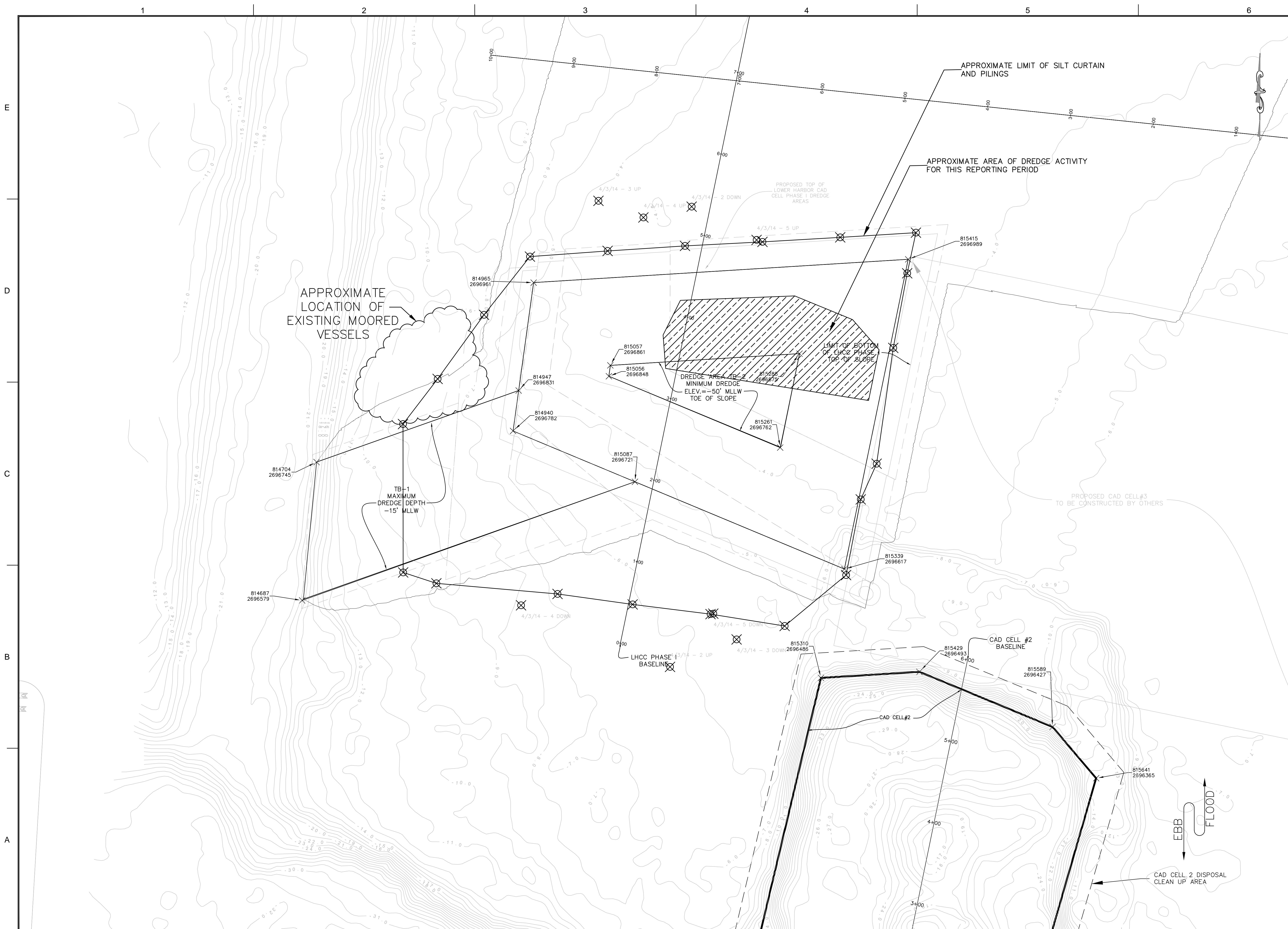


Please Note: In some instances, the down-current monitoring event occurred prior to the up-current monitoring event. This is the result of the initial analysis of our field crew indicating one direction of flow, however our checks from our Quality Control program provided a more accurate depiction of the pattern, which is how the information is now presented below.

<u>UP-CURRENT</u>									
Monitoring ID #	NORTHING/ EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	TYPE OF WQM & DISTANCE FROM LOCATION	NUMBER OF HOURS DREDGING
040314-00-1-1		751		1	3.06				
040314-00-1-6		753	12	6	3.21				
040314-00-1-11	GPS malfunction	755		11	2.65		Flood	15' S of Silt Curtain	00
					AVERAGE TURBIDITY:	2.97			
040314-02-1-1		931		1	3.25				
040314-02-1-7		933	14	7	3.35				
040314-02-1-13	815129, 2696499	935		13	3.78		Flood	15' S of Silt Curtain	02
					AVERAGE TURBIDITY:	3.46			
040314-04-1-1		1129		1	2.27				
040314-04-1-5		1130	10	5	2.77				
040314-04-1-9	815043, 2697059	1132		9	2.65		Ebb	15' N of Silt Curtain	04
					AVERAGE TURBIDITY:	2.56			
040314-06-1-1		1332		1	3.8				
040314-06-1-3		1333	6	3	3.43				
040314-06-1-5	815097, 2697039	1334		5	3.84		Ebb	15' N of Silt Curtain	06
					AVERAGE TURBIDITY:	3.69			
040314-08-1-1		1532		1	2.95				
040314-08-1-3		1534	6	3	4.39				
040314-08-1-5	815233, 2697012	1536		5	6.14		Ebb	15' N of Silt Curtain	08
					AVERAGE TURBIDITY:	4.49			
<u>Down-Current</u>									
Monitoring ID #	NORTHING/ EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	DISTANCE FROM DREDGE/SILT CURTAIN	NUMBER OF HOURS DREDGING
040314-00-9-1		808		1	3.86				
040314-00-9-5		810	9	5	3.92				
040314-00-9-8	GPS malfunction	812		8	3.51		Flood	15' N of Silt Curtain	00
					AVERAGE TURBIDITY:	3.76			
					TURBIDITY INCREASE:	0.79			
040314-02-9-1		939		1	4.52				
040314-02-9-6		941	11	6	4.11				
040314-02-9-10	815155, 2697052	943		10	3.22		Flood	15' N of Silt Curtain	02
					AVERAGE TURBIDITY:	3.95			
					TURBIDITY INCREASE:	0.49			
040314-04-9-1		1138		1	7.48				
040314-04-9-8		1140	16	8	3.13				
040314-04-9-15	815209, 2696532	1142		15	2.55		Ebb	15' S of Silt Curtain	04
					AVERAGE TURBIDITY:	4.39			
					TURBIDITY INCREASE:	1.82			
040314-06-9-1		1336		1	2.91				
040314-06-9-5		1338	9.8	5	3.86				
040314-06-9-9	814950, 2696573	1340		9	8.47		Ebb	15' S of Silt Curtain	06
					AVERAGE TURBIDITY:	5.08			
					TURBIDITY INCREASE:	1.39			
040314-08-9-1		1542		1	3.36				
040314-08-9-3		1544	6	3	5.39				
040314-08-9-5	815181, 2696563	1546		5	8.03		Ebb	15' S of Silt Curtain	08
					AVERAGE TURBIDITY:	5.59			
					TURBIDITY INCREASE:	1.10			

* Turbidity Increase = Down-Current Average Turbidity - Up-Current Average Turbidity

Figure 1
Lower Harbor CAD Cell Phase I – Water Quality Monitoring



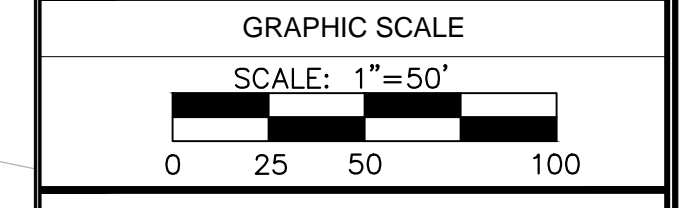
ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA -
NEW BEDFORD, MA - HOLYOKE, MA
125 BROAD STREET, 5TH FLOOR
BOSTON, MA 02210
58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT	NEW BEDFORD HARBOR DEVELOPMENT COMMISSION LOWER HARBOR CAD CELL
	OWNER
OWNER	NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
	52 FISHERMAN'S WHARF, NEW BEDFORD, MA 02740

1	9/25/2012	EPA COMMENTS	GCD
2	2/21/2013	DRAFT SUITABILITY	MCK

DATE	DESCRIPTION	BY
PROJECT NO.	6724	
CADD FILE		
DESIGNED BY	CHM	
DRAWN BY	GCD	
CHECKED BY	GCD	
DATE	MAY 2013	
DRAWING SCALE	AS NOTED	



SHEET TITLE
BOTTOM OF LOWER HARBOR CAD CELL PHASE 1 WATER QUALITY
3/30/14- 4/6/14

DRAWING NO.
WQM-1
6 OF 15