

Weekly Field Report
Week: 04-27-14 through 05-03-14
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), 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 sixth 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 26th Report for the LHCC dredging activities includes:

- Daily Inspection Reports from the dredging oversight performed during the week of April 27th through May 3rd, 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 April 27th through May 3rd, 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) continued dredging activities at the LHCC with the dredge plant, Bobby D. Dredging was conducted on April 28th and 29th, May 1st and May 3rd. 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 7 AM 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 currently in place (January 15th through June 15th) all dredging activities were conducted within a silt curtain perimeter surrounding the LHCC footprint.

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 30th while dredging related activities were 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 28th, April 29th, and May 2nd.

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	3,750
Approximate Bottom of CAD Volume Dredged to Date*	48,720

* 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: 4/27/2014

Contractor: Cashman/Weeks Foreman/Supt: Paul Poirier

Weather AM: Overcast Temperature AM: 42
PM: Cloudy/Rain Winds < 5kts N PM: 50

Tides High 0708 AM 1933 PM
Low 0056 AM 1237 PM

Manpower Onsite

Captain: 0 @ 0 Hrs
Operator: 0 @ 0 Hrs
Engineer: 0 @ 0 Hrs
Mate: 0 @ 0 Hrs
Deck Hand: 0 @ 0 Hrs
Other: @ Hrs

Equipment Onsite

Description: Bobby D Hrs. 0
Eddie Carroll Hrs. 0
Lucinda Smith Hrs. 0
Red Skiff Hrs. 0
 Hrs.
 Hrs.

Contractor Activities: (Attach Additional Sheets as Necessary)

There was no site activity on 4/27/14.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: A. Hart
Title: Environmental Technician

Date: 04/27/2014
Page: 1 of 1

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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:** 4/28/2014

Contractor: Cashman **Foreman/Supt:** Paul Poirer

Weather AM: Sunny **Temperature** AM: 58
 PM: Cloudy Winds 5-10knts NNE PM: 41

Tides High 0757 AM 2020 PM
 Low 0141 AM 1315 PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>10</u>	Hrs
Engineer	<u>1</u>	@	<u>12</u>	Hrs
Operators	<u>1</u>	@	<u>12</u>	Hrs
Mate	<u>1</u>	@	<u>12</u>	Hrs
Deckhand	<u>1</u>	@	<u>12</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>7</u>
	<u>Eddie Carroll</u>	Hrs.	<u>12</u>
	<u>Edna</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>10</u>
	<u>Black Skiff</u>	Hrs.	<u>12</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Continued on next page)

0645-No activity on site, Bobby D, Lucinda Smith, and Eddie Carroll tied up inside the silt curtain. Crews are onsite.
 0710-Survey 4 onsite. 0740-Survey 4 offsite. 0742-Fuel boat onsite. 0757-Fuel boat offsite. Silt curtain is closed.
 0759-Lucinda Smith moves the Bobby D and Eddie Carroll. 0805-Silt curtain is opened and Lucinda Smith exits and heads south. 0807-Silt curtain is closed. 0816-Bobby D begins dredging into the Eddie Carroll. Eddie Carroll drafts; bow 4', stern 4'. 0908-Bobby D stops dredging. 0910-Lucinda Smith comes north and ties up to the Richie Barber. 0912-Bobby D resumes dredging. 0955-Paul (Foreman) departs as Brett (Apex) boards Bobby D. 1010-Bobby D stops dredging. Silt curtain is opened and Lucinda Smith enters and ties to the Eddie Carroll.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
 Title: Environmental Scientist
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Date: 4/28/2014
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 File: DIR_LHCC_042814



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: 4/28/2014

Contractor: Cashman Foreman/Supt: Paul Poirer

Weather	AM:	<u>Sunny</u>	Temperature	AM:	<u>58</u>
	PM:	<u>Cloudy Winds 5-10knts NNE</u>		PM:	<u>41</u>

Tides	High	<u>0757</u>	AM	<u>2020</u>	PM
	Low	<u>0141</u>	AM	<u>1315</u>	PM

Contractor Activities: (Continued from Page 1)

1022-Silt curtain is closed. Bobby D resumes dredging at cuts 5 & 10 station 5+28, depth 26'. 1113-Bobby D stops dredging to move the scow. 1120-Bobby D resumes dredging. 1210-Paul (Foreman) onsite. 1212-Bobby D stops dredging to relocate. 1216-Bobby D resumes dredging at cut 5 station 4+99, depth 20'. 1255-Bobby D stops dredging to fix the spud cable. 1310-Bobby D resumes dredging at cut 5 station 5+18, depth 25'. 1326-Bobby D stops dredging to move the scow. Eddie Carroll drafts; bow 8.5', stern 8.5'. 1333-Bobby D resumes dredging. 1421-Bobby D stops dredging and puts the bucket on the deck to look at it. 1430-Bobby D resumes dredging. 1508-Bobby D stops dredging to relocate, assisted by the Lucinda Smith. 1523-Bobby D resumes dredging at cuts 4 & 5 station 5+13, depth 18'. 1536 Bobby D stops dredging to relocate. 1547-Survey 4 onsite. 1610-Black skiff opens the silt curtain. Lucinda Smith exits and heads south. 1614-Silt curtain is closed. Bobby D resumes dredging at cuts 5 & 10 station 6+12, depth 18'. 1630- Bobby D stops dredging and puts the bucket on the deck. Survey 4 offsite. 1635-Survey 4 onsite performing survey. 1650-Survey 4 offsite. 1700-Dredging is completed for the day. The Eddie Carroll is inspected and cleared for offshore disposal. Eddie Carroll final drafts; bow 8', stern 9.5'. 1725-Crew is greasing down the bucket. 1755-Bobby D crew departs. 1815-Lucinda Smith makes the 1815 bridge opening and ties to the Eddie Carroll. 1915-Lucinda Smith makes the 1915 bridge south with the Eddie Carroll for offshore disposal.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Scientist

Date: 4/28/2014
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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: 4/28/2014

Contractor: Cashman

Foreman/Supt: Paul Poirer



Bobby D dredging into the Eddie Carroll

Bobby D dredging into the Eddie Carroll



Material in Eddie Carroll

Visitors: _____

Signature: 

Title: Environmental Scientist

Copy to: File

Date: 4/28/2014

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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: James Thompson Date: 4/29/2014

Contractor: Cashman Foreman/Supt: Paul Poirer

Weather AM: Cloudy Temperature AM: 43
PM: Cloudy. Winds 10-15knts. ENE PM: 47

Tides High 0844 AM 2105 PM
Low 0223 AM 1355 PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>12</u>	Hrs
Engineer	<u>1</u>	@	<u>12</u>	Hrs
Operators	<u>1</u>	@	<u>12</u>	Hrs
Mate	<u>1</u>	@	<u>12</u>	Hrs
Deckhand	<u>1</u>	@	<u>12</u>	Hrs
Other:	<u>1</u>	@	<u>3</u>	Hrs

Equipment Onsite

Description: <u>Bobby D</u>	Hrs.	<u>12</u>
<u>Eddie Carroll</u>	Hrs.	<u>12</u>
<u>Elsea</u>	Hrs.	<u>12</u>
<u>Lucinda Smith</u>	Hrs.	<u>1</u>
<u>Black Skiff</u>	Hrs.	<u>12</u>
<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Continued on next page)

0717-The Eddie Carroll arrives on site. 0720-All crews are on site. 0740-Lucinda Smith and Ellsea help reposition the Bobby D and Eddie Carroll. 0754-The Eddie Carroll opens. 0814-The Eddie Carroll closes. 0820-The black skiff closes the silt curtain. 0834-The Bobby D begins dredging into Eddie Carroll from cut 5. The Eddie Carroll drafts: bow-4',stern-4'. 0853-Ellsea and the black skiff rotate the Bobby D. 0902-The Bobby D resumes dredging into the Eddie Carroll from cut 5. 0935-Ellsea moves the Bobby D to the North. 0945-The Bobby D resumes dredging into the Eddie Carroll from cut 10. 1007-Bobby D stops dredging. 1015-Bobby D puts its bucket on deck. 1023-The crew is doing repairs on the Eddie Carrol for lost pressure. 1305-Ellsea repositions the Bobby D and the Eddie Carroll.

Problems/Issues or Action Items:

Visitors: None

Signature: James Thompson
Title: Environmental Technician

Date: 4/29/2014
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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: James Thompson

Date: 4/29/2014

Contractor: Cashman

Foreman/Supt: Paul Poirer

Weather	AM:	<u>Cloudy</u>	Temperature	AM:	<u>43</u>
	PM:	<u>Cloudy. Winds 10-15knts. ENE</u>		PM:	<u>47</u>

Tides	High	<u>0844</u>	AM	<u>2105</u>	PM
	Low	<u>0223</u>	AM	<u>1355</u>	PM

Contractor Activities: (Continued from Page 1)

1312-The Bobby D begins dredging from cuts 5 and 10. 1330-The Eddie Carroll is moved forward. 1424-Ellsea moves the Bobby D and Eddie Carroll 50' to the south. 1433-Bobby D begins dredging from cuts 4 and 5. 1508-The Bobby D is spun around to resume dredging in cut 5. 1540-Ellsea is moving the scow back. 1546-Bobby D resumes dredging from cut 5. 1636-Bobby D stops dredging. 1640-Ellsea spins the Bobby D counter clockwise and dredging resumes in cut 5. 1728-Bobby D stops dredging. The silt curtain is opened. 1735-The Eddie Carroll is inspected and cleared for offshore disposal. 1745-Crew departs the Bobby D.

Problems/Issues or Action Items:

Visitors: None

Signature: James Thompson

Date: 4/29/2014

Title: Environmental Technician

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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: James Thompson

Date: 4/29/2014

Contractor: Cashman

Foreman/Supt: Paul Poirer



Bobby D dredging in cut 5.



Bobby D's bucket on deck.



Dredged material inside the scow Eddie Carroll.

Visitors: None

Signature: James Thompson

Title: Environmental Technician

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Date: 4/29/2014

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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: James Thompson **Date:** 4/30/2014

Contractor: Cashman **Foreman/Supt:** Paul Poirer

Weather	AM:	<u>Rain</u>	Temperature	AM:	<u>42</u>
	PM:	<u>Rain. Winds 5-10knts. E</u>		PM:	<u>43</u>

Tides	High	<u>0930</u>	AM	<u>2150</u>	PM
	Low	<u>0302</u>	AM	<u>1436</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>11</u>	Hrs
Engineer	<u>1</u>	@	<u>11</u>	Hrs
Operators	<u>1</u>	@	<u>11</u>	Hrs
Mate	<u>1</u>	@	<u>11</u>	Hrs
Deckhand	<u>1</u>	@	<u>11</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>11</u>
	<u>Eddie Carroll</u>	Hrs.	<u>9</u>
	<u>Elsea</u>	Hrs.	<u>11</u>
	<u>Lucinda Smith</u>	Hrs.	<u>6</u>
	<u>Black Skiff</u>	Hrs.	<u>11</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Continued on next page)

0815-Scow Eddie Carroll arrives at the Bobby D being towed by tug Lucinda Smith. 0836-Lucinda Smith departs. 0915-Ellsea moves the Eddie Carroll forward another 20'. 0921-The crew opened the Eddie Carroll to get ready to move it to the Richie Barber. They will be conducting dive operations to check the seals on Eddie Carroll. 0940-Crew took the black skiff to close the silk curtain. 0945-Crew got a line fouled in propeller on the black skiff. 1000-Crew clears line out of propeller and finishes securing silk curtain. 1020-The Eddie Carroll is moved back 50' to finish clean out before it heads to the Richie Barber to get the seal looked at. 1121-Bobby D finishes cleaning inside the Eddie Carroll. Its dredge bucket is on deck. 1200-The black skiff opens the silt curtain.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: James Thompson
Title: Environmental Technician

Date: 4 / 30 / 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: James Thompson

Date: 4/30/2014

Contractor: Cashman

Foreman/Supt: Paul Poirer

Weather	AM:	<u>Rain</u>	Temperature	AM:	<u>42</u>
	PM:	<u>Rain. Winds 5-10knts. E</u>		PM:	<u>43</u>

Tides	High	<u>0930</u>	AM	<u>2150</u>	PM
	Low	<u>0302</u>	AM	<u>1436</u>	PM

Contractor Activities: (Continued from Page 1)

1215- Eddie Carroll is closed. 1229-Lucinda Smith arrives to take Eddie Carroll to the Rickie Barber. 1237- Lucinda Smith ties to and moves the Eddie Carroll and crew over to the Richie Barber. 1415-Lucinda Smith is returning the Eddie Carroll to the Bobby D to finish wash out so that divers can complete inspection - clean out efforts at the Richie Barber were unsuccessful. 1430-Silt curtain closed. 1441- Survey boat drops off maps. 1452-Bobby D begins washing out the Eddie Carroll. 1532-Moving the Eddie Carroll to finish rinsing out all the sand. 1605-Washing out of the Eddie Carroll is completed, Bobby D has bucket on deck. 1613-Diver on site checking seals in the Eddie Carroll. 1650-Crew opened the silt curtain. 1700-Lucinda Smith, Elsea and Bobby D crew all depart site. 1715-Arrived at Fathom's dock.

NO DREDGING OPERATIONS WERE PERFORMED DURING THE DAY.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: James Thompson

Date: 4 / 30 / 2014

Title: Environmental Technician

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File: DIR_LHCC_043014



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

Inspection Report

Inspector: James Thompson **Date:** 5/1/2014

Contractor: Cashman **Foreman/Supt:** Paul Poirer

Weather	AM:	<u>Fog / Rain</u>	Temperature	AM:	<u>52</u>
	PM:	<u>Cloudy / Rain. Winds 10-15knts S</u>		PM:	<u>58</u>
Tides	High	<u>1015</u>	AM	<u>2234</u>	PM
	Low	<u>0339</u>	AM	<u>1518</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>9.5</u>	Hrs
Engineer	<u>1</u>	@	<u>9.5</u>	Hrs
Operators	<u>1</u>	@	<u>9.5</u>	Hrs
Mate	<u>1</u>	@	<u>9.5</u>	Hrs
Deckhand	<u>1</u>	@	<u>9.5</u>	Hrs
Other:	<u>1</u>	@	<u>2</u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>9.5</u>
	<u>Eddie Carroll</u>	Hrs.	<u>9.5</u>
	<u>Edna</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>9.5</u>
	<u>Black Skiff</u>	Hrs.	<u>9.5</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Continued on next page)

0700-Crew arrives aboard Bobby D. 0810-Lucinda Smith arrives on site to reposition the Bobby D. 0839- Lucinda Smith is shifting the Bobby D into position. 0847-Crew begins securing silt curtain using the black skiff, and to shift the scow Eddie Carroll forward so dredge plant can load towards stern. 0907-Silt silt curtain fully secured, dredging into the Eddie Carroll from cut 6 and 7. 1105-Bobby D stops dredging and moves back to cut 6, tug Lucinda Smith shifts Eddie Carroll so that dredge plant can fill the bow. 1125-Bobby D resumes dredging from cut 6. 1258-Repositioning the Bobby D with the Lucinda Smith. 1311-Bobby D resumes dredging from cut 6 into Eddie Carroll. 1356-Lucinda Smith slides Eddie Carroll back to fill the bow. 1401-Lucinda Smith turning the Bobby D clockwise to keep dredging in cut 6. 1412- Bobby D resumes dredging. 1451-Bobby D stops dredging.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: James Thompson
Title: Environmental Technician
Copy to: File

Date: 05 / 01 / 2014
Page: 1 of 3
File: DIR_LHCC_050114



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

Inspection Report

Inspector: James Thompson

Date: 5/1/2014

Contractor: Cashman

Foreman/Supt: Paul Poirer

Weather	AM:	<u>Fog / Rain</u>	Temperature	AM:	<u>52</u>
	PM:	<u>Cloudy / Rain. Winds 10-15knts S</u>		PM:	<u>58</u>

Tides	High	<u>1015</u>	AM	<u>2234</u>	PM
	Low	<u>0339</u>	AM	<u>1518</u>	PM

Contractor Activities: (Continued from Page 1)

1516-Lucinda Smith moves Eddie Carroll forward. 1516-Bobby D resumes dredging into Eddie Carroll. 1600-Bobby D finished filling the Eddie Carroll; silt curtain opened using the black skiff. 1605-Scow Eddie Carroll inspected and cleared, Lucinda Smith heads south to assist at South terminal. 1630-Crew departs the Bobby D. 1645-Crew arrives at Fathom's docks.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: James Thompson

Date: 05 / 01 / 2014

Title: Environmental Technician

Page: 2 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: James Thompson

Date: 5/1/2014

Contractor: Cashman

Foreman/Supt: Paul Poirer



Bobby D dredging



Bobby D dredging



Scow Eddie Carroll loaded

Visitors:

Signature: James Thompson

Date: 05 / 01 / 2014

Title: Environmental Technician

Page: 3 of 3

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File: DIR_LHCC_050114



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

Inspection Report

Inspector: Kaios Ryan Date: 5/2/2014

Contractor: Cashman Foreman/Supt: _____

Weather AM: Clear Temperature AM: 67
PM: Cloudy fog, rain. Wind 5-15knts. WSW PM: 48

Tides High 1101 AM 2317 PM
Low 0414 AM 1600 PM

Manpower Onsite

Engineer	<u>0</u>	@	<u>0</u>	Hrs
Operators	<u>0</u>	@	<u>0</u>	Hrs
Mate	<u>0</u>	@	<u>0</u>	Hrs
Deckhand	<u>0</u>	@	<u>0</u>	Hrs
Other:	_____	@	_____	Hrs

Equipment Onsite

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

Contractor Activities: (Attach Additional Sheets as Necessary)

0709-No activity observed on site. 1012-No activity observed on site. 1431-No activity observed on site. 1622-No activity observed on site.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: *Kaios Ryan*
Title: Environmental Scientist

Date: 05/02/2014
Page: 1 of 1

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File: DIR_LHCC_050214



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

Inspection Report

Inspector: Kaios Ryan Date: 5/3/2014

Contractor: Cashman Foreman/Supt: Dave Norton

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>48</u>
	PM:	<u>Clear</u>		PM:	<u>65</u>
Tides	High	<u>1148</u>	AM	<u>--</u>	PM
	Low	<u>0442</u>	AM	<u>1638</u>	PM

Manpower Onsite

Captain	<u>1</u>	@	<u>2</u>	Hrs
Engineer	<u>1</u>	@	<u>10</u>	Hrs
Operator	<u>1</u>	@	<u>12</u>	Hrs
Mate	<u>1</u>	@	<u>12</u>	Hrs
Deckhand	<u>1</u>	@	<u>12</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>7</u>
	<u>Eddie Carroll</u>	Hrs.	<u>12</u>
	<u>Edna</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>1</u>
	<u>Skiff</u>	Hrs.	<u>12</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Continued on next page)

0708- Tug Lucinda Smith and scow Eddie Carroll make the 0700 bridge opening north bound. 0719- Lucinda Smith and Eddie Carroll tie up to the Bobby D. 0744-Bobby D begins dredging into the Eddie Carroll drafting at 4', Bobby D is located at station 5 + 95 cut 6. 0805-Lucinda Smith heads south making the 0800 bridge opening. 0921-Survey 4 boat on site. 0932-Bobby D stops dredging to allow Survey 4 boat to survey dredge area. 0944-Bobby D moves 20' southeast. 1036-Bobby D resumes dredging into the Eddie Carroll at station 6 + 16 cuts 4 and 5. 1107-Bobby D stops dredging. 1112-The operator and deckhand are greasing the fittings on the arm and bucket of the excavator. 1146-Bobby D resumes dredging into the Eddie Carroll. 1305-Bobby D stops dredging due to a blown O ring. 1412-Crew has replaced the O-ring and resumes dredging into the Eddie Carroll at station 6 + 34 cut 5.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: *Kaios Ryan*
Title: Environmental Scientist

Date: 05/03/2014
Page: 1 of 3

Copy to: File

File: DIR_LHCC_050314



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

Inspection Report

Inspector: Kaios Ryan

Date: 5/3/2014

Contractor: Cashman

Foreman/Supt: Dave Norton

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>48</u>
	PM:	<u>Clear. Winds 5-15knts. SSW</u>		PM:	<u>65</u>
Tides	High	<u>1148</u>	AM	<u>--</u>	PM
	Low	<u>0442</u>	AM	<u>1638</u>	PM

Manpower Onsite

Captain	<u>1</u>	@	<u>2</u>	Hrs
Engineer	<u>1</u>	@	<u>10</u>	Hrs
Operator	<u>1</u>	@	<u>12</u>	Hrs
Mate	<u>1</u>	@	<u>12</u>	Hrs
Deckhand	<u>1</u>	@	<u>12</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs.	<u>7</u>
	<u>Eddie Carroll</u>	Hrs.	<u>12</u>
	<u>Edna</u>	Hrs.	<u>0</u>
	<u>Lucinda Smith</u>	Hrs.	<u>1</u>
	<u>Skiff</u>	Hrs.	<u>12</u>
	<u>SEI 2000</u>	Hrs.	<u>0</u>

Contractor Activities: (Continued from Page 1)

1554-Bobby D stops dredging to move the Eddie Carroll to the east. While the crew was trying to move the Eddie Carroll the port spud cable broke on the Bobby D, effectively precluding the raising of the spud, and thus requiring expedient repairs. The crew decides to keep dredging in the location they are presently in. 1631-Bobby D resumes dredging into the Eddie Carroll in station 6 + 20 cut 5. 1720-The Bobby D is finished dredging for the day; they plan on replacing the port spud cable first thing Monday morning (05/05/2014). 1725-The Eddie Carroll is inspected and cleared for offshore disposal drafting at 7.5'.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: *Kaios Ryan*

Title: Environmental Scientist

Copy to: File

Date: 05/03/2014

Page: 2 of 3

File: DIR_LHCC_050314



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

Inspector: Kaios Ryan

Date: 5/3/2014

Contractor: Cashman

Foreman/Supt: Dave Norton



Bobby D Dredging into the Eddie Carroll



Bobby D Dredging into the Eddie Carroll



Bobby D Dredging into the Eddie Carroll

Visitors:

Signature: *Kaios Ryan*
Title: Environmental Scientist

Date: 05/03/2014
Page: 3 of 3

Copy to: File

File: DIR_LHCC_050314

Attachment 2
Water Quality Monitoring Forms

PROJECT: New Bedford Harbor Lower Harbor CAD Cell

JOB NUMBER: 6724

DATE: 4/30/2014

MONITORS: Kaios Ryan

WEATHER CONDITIONS: High: 41 Low: 46

WIND: 8-16 mph East

PRIOR STORM EVENTS:

DREDGE UPDATE:

TYPE OF WATER QUALITY MONITORING EVENT: TOP CAD Dredging / BTM CAD Dredging / Disposal

TIDE High: 0930/2150 Low: 0302/1426

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.

**UP-CURRENT**

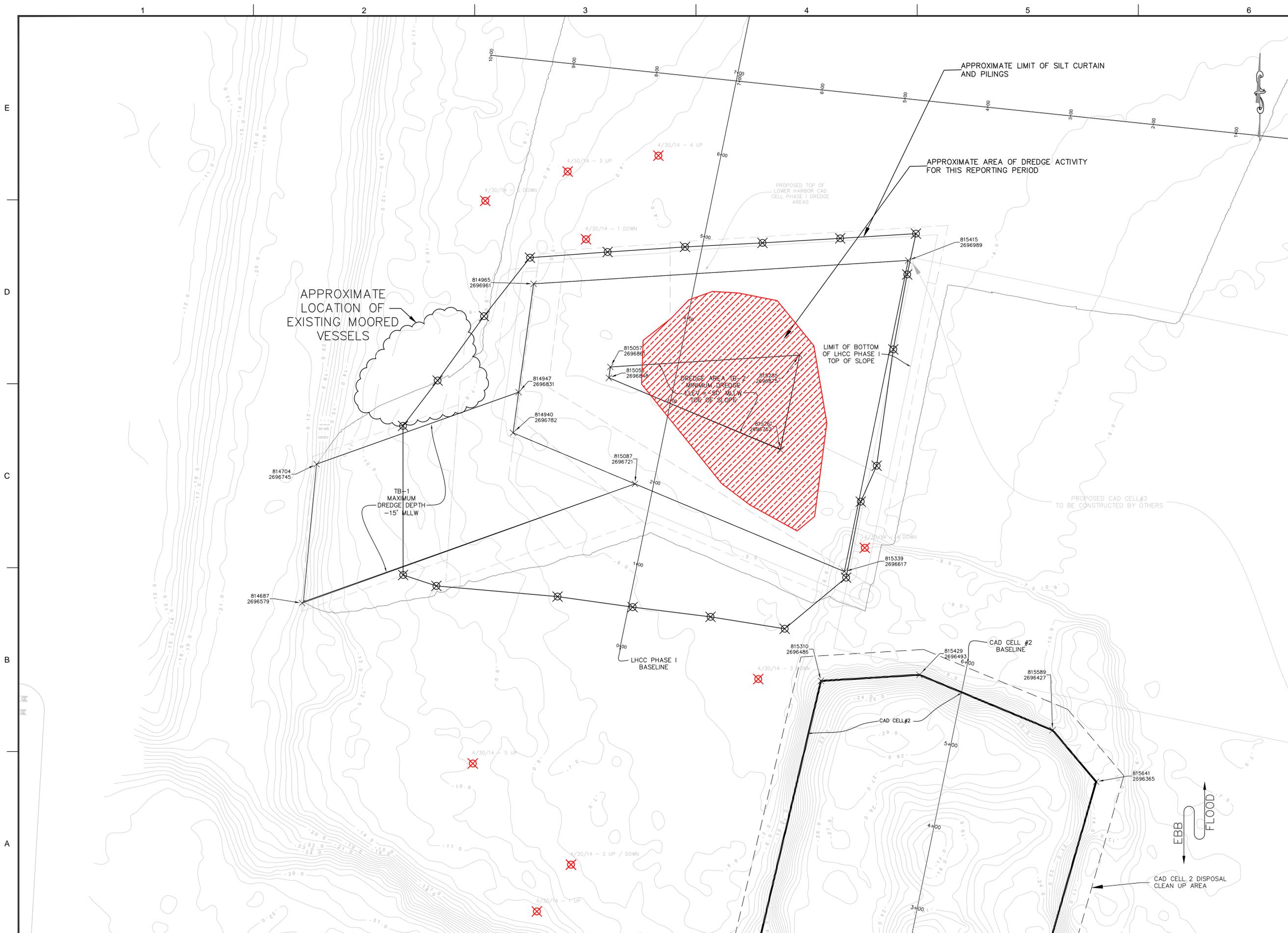
Monitoring ID #	NORTHING/EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	TYPE OF WQM & DISTANCE FROM LOCATION	NUMBER OF HOURS DREDGING
043014-00-1-1	814969, 2696210	0804	13.6	1	3.73		Flooding	15' S of Silt Curtain	00
043014-00-1-6		0806		6	3.1				
043014-00-1-13		0808		13	2.08				
AVERAGE TURBIDITY:					2.97				
043014-02-1-1	815010, 2696266	0928	12	1	3.24		Flooding	15' S of Silt Curtain	02
043014-02-1-5		0930		5	3.14				
043014-02-1-11		0932		11	2.06				
AVERAGE TURBIDITY:					2.81				
043014-04-1-1	815006, 2697095	1233	5.9	1	2.61		Ebbing	15' N of Silt Curtain	04
043014-04-1-2.5		1235		2.5	2.78				
043014-04-1-5		1237		5	2.88				
AVERAGE TURBIDITY:					2.76				
043014-06-1-1	815115, 2697114	1408	4.5	1	3.22		Ebbing	15' N of Silt Curtain	06
043014-06-1-2		1410		2	4				
043014-06-1-4		1412		4	3.63				
AVERAGE TURBIDITY:					3.62				
043014-08-1-1	814892, 2696387	1605	12.2	1	3.71		Flooding	15' S of Silt Curtain	08
043014-08-1-6		1607		6	4.76				
043014-08-1-12		1609		12	4.12				
AVERAGE TURBIDITY:					4.20				

Down-Current

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
043014-00-9-1	815028, 2697014	0812	6.6	1	3.9		Flooding	15' N of Silt Curtain	00
043014-00-9-3		0814		3	3.33				
043014-00-9-6		0816		6	3.23				
AVERAGE TURBIDITY:					3.49				
TURBIDITY INCREASE:					0.52				
043014-02-9-1	815010, 2696966	0945	7.6	1	2.56		Flooding	15' N of Silt Curtain	02
043014-02-9-3.5		0947		3.5	2.84				
043014-02-9-7		0949		7	3.28				
AVERAGE TURBIDITY:					2.89				
TURBIDITY INCREASE:					0.08				
043014-04-9-1	815235, 2696488	1241	11.6	1	4.72		Ebbing	15' S of Silt Curtain	04
043014-04-9-5.5		1243		5.5	4.16				
043014-04-9-11		1245		11	3.42				
AVERAGE TURBIDITY:					4.10				
TURBIDITY INCREASE:					1.34				
043014-06-9-1	815363, 2696645	1417	23.9	1	5.11		Ebbing	15' S of Silt Curtain	06
043014-06-9-11.5		1419		11.5	6.76				
043014-06-9-23		1421		23	10				
AVERAGE TURBIDITY:					7.29				
TURBIDITY INCREASE:					3.67				
043014-08-9-1	814907, 2697060	1615	7.2	1	5.23		Flooding	15' N of Silt Curtain	08
043014-08-9-3		1617		3	4.7				
043014-08-9-6		1619		6	5.11				
AVERAGE TURBIDITY:					5.01				
TURBIDITY INCREASE:					0.82				

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

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

GRAPHIC SCALE
 SCALE: 1"=50'

 SHEET TITLE
BOTTOM OF LOWER HARBOR CAD CELL PHASE 1 WATER QUALITY
 4/27/14- 5/3/14

DRAWING NO.
WQM-1
 6 OF 15