December 22, 2015

U.S. Environmental Protection Agency
Dewatering GP Processing
Industrial Permit Unit (OEP 06-4)
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

By Email: GeneralPermit.Dewatering@epa.gov

Subject: Notice of Intent (NOI)
Dewatering General Permit
CPC Cornerstone Development LLC, 14 West Broadway
South Boston, Massachusetts

Dear Sir/Madam:

On behalf of the property owner, CPC Cornerstone Development LLC (CPC), and in accordance with the National Pollutant Discharge Elimination System (NPDES) Dewatering General Permit (DGP) in Massachusetts, MAG070000, this letter submits a Notice of Intent (NOI) and the applicable documentation as required by the U.S. Environmental Protection Agency (EPA) for temporary construction site dewatering under the DGP. Temporary dewatering is planned in support of proposed site redevelopment at the site.

CPC Cornerstone Development LLC of South Boston, Massachusetts plans to develop the parcel at 14 West Broadway (the Site) into residential condominiums. The site is currently vacant and formerly the location of a restaurant. The development will include the demolition of a former service building and the excavation of the 14,000-square foot site to a depth of 20 feet – generating approximately 10,000 cubic yards of soil, which will be managed and disposed off-site as remediation waste.

Because soil handling, removal, and off-site transport and disposal of materials will be required, Cooperstown Environmental (Cooperstown) was retained to collect soil samples to allow for environmental characterization of materials scheduled for offsite transportation and disposal. These initial samples identified oil and/or hazardous materials (OHM) concentrations above the relevant reporting thresholds due to pre-existing contaminants likely from past practices at the site.

The location of the Site is in a mixed residential and commercial area of South Boston, Massachusetts. **Figure 1** in **Appendix A** is a site locus showing the Site and the surrounding area. Neighboring properties include condominiums and various commercial and industrial properties, including an MBTA train station, restaurants, and office space.

REGULATORY BACKGROUND

As part of due diligence activities prior to purchase, Cooperstown collected soil characterization samples from geotechnical borings advanced by others at the Site in February 2014. The goal of this sampling was to evaluate environmental conditions at the property and provide preliminary disposal characterization of the soil to prepare for appropriate removal and disposal pursuant to the Massachusetts Contingency Plan (MCP).

The soil testing results indicate that approximately half of the material to be removed is typical urban historical fill and contains certain constituents at levels generally consistent with DEP's urban fill standards. The remainder of the material is native deposits consisting of sands, silty clay, and some till. Based on the soil sampling results there are several constituents (specifically PAHs and metals) in both fill and native materials that exceed DEP RCS-1 notification requirements. These exceedances fall under a 120-day notification deadline. The delineation of the Site and initial borings is presented in **Figure 2**.

Once the Site was purchased by CPC Cornerstone Development LLC on June 22, 2015, CPC became a Person Required to Notify. The 120-day notification was made to DEP on October 14, 2015 and RTN 3-33201 was assigned by the Massachusetts Department of Environmental Protection (DEP).

WATER QUALITY INFORMATION

In support of this NOI, Cooperstown collected a groundwater sample from a monitoring well that has been installed within the footprint of the planned excavation subject to dewatering. The sample was submitted to New England Testing Laboratory (NETLab) of North Providence, Rhode Island for analysis of NPDES Remediation General Permit (RGP) permit parameters for Contaminated Construction Dewatering.

The analytical results for this groundwater sample identified trace concentrations of several metals, two of which exceed the Remediation General Permit, Appendix III Effluent Limitations (lead at 9.0 ug/l as compared to the 8.5 ug/l RGP standard and iron at 8,230 ug/l as compared to the 1,000 ug/l RGP standard), The lead exceedance is well below the minimum detection levels for groundwater sources under the DGP, although the iron exceedance is well in excess of the DGP detection level and RGP daily maximum discharge limit. The results of the water quality testing for this NOI are presented in **Table 1** of **Appendix A**. The laboratory data report is provided in **Appendix B**.

The detection limits for all parameters complied with the ICP/AES Methods 200.7 3010A/6010C minimum detection limits for groundwater sources as shown in Appendix VIII of the DGP, however, these detection limits are greater than the RGP effluent limits for several of the metals listed in Appendix III (including lead), allowing for some uncertainty regarding exceedance conditions.

We believe dilution factors will render the lead RGP exceedance acceptable, and with the planned settling and filtration system we believe the iron will also be removed, and present no threat to water quality in Fort Point Channel or Boston Harbor.

PLANNED DEWATERING AND TREATMENT

Groundwater and precipitation will likely collect within the excavation and will be required to be removed to complete the soil removal and construction. Water will be transferred from the base of the excavation to the treatment system using sump pumps installed below grade and within the limits of excavation. The location of the sumps will be determined by the excavation contactor.

While the final design of the treatment system will be determined by the water treatment contractor, the dewatering treatment system will include fractionation tank(s), bag filter(s), and carbon filtration as shown in **Figure 3** of **Appendix A**. If needed, additional treatment additives will be included in order to meet the effluent limits established by the DGP for the site.

After treatment, water will be discharged to catch basin no. 178 into the storm drain on Athens Street, connecting to the storm drain on West Second Street, into the storm drain on Dorchester Avenue, and then discharging at outfall BOS072 into Fort Point Channel, and ultimately into Boston Harbor as shown in **Figure 4** of **Appendix A**.

DGP NOTICE OF INTENT FORM

An NOI Form has been prepared in support of this submittal and is provided in **Appendix C**. CPC Cornerstone Development LLC is the current owner of the site. The site work and treatment system is being completed by Northeast Tank and Environmental Services, Inc. of Stoughton, Massachusetts (Northeast Tank). The treatment system will be operated and maintained in compliance with the DGP by Northeast Tank on the behalf of CPC Cornerstone Development LLC. Ryan Sillery, Manager, and Authorized Signatory for CPC Cornerstone Development LLC, is listed as the "Operator" for this DGP. Mr. Sillery has signed the NOI form.

SUPPORTING INFORMATION

In support of this submittal, the following information has also been included:

- Documentation on the absence of Endangered Species in the vicinity of the site is provided in **Appendix D**; and
- Documentation on Historic Places in the vicinity of the site is provided in **Appendix E**. According to the Boston Historic Landmarks Commission there are no designated landmarks within the Site and the Site is not within a historic landmark district.

If you have any questions or require additional information, please contact me at 978-771-8940 or Isaac Anderson at 978-470-4755.

Very sincerely yours,

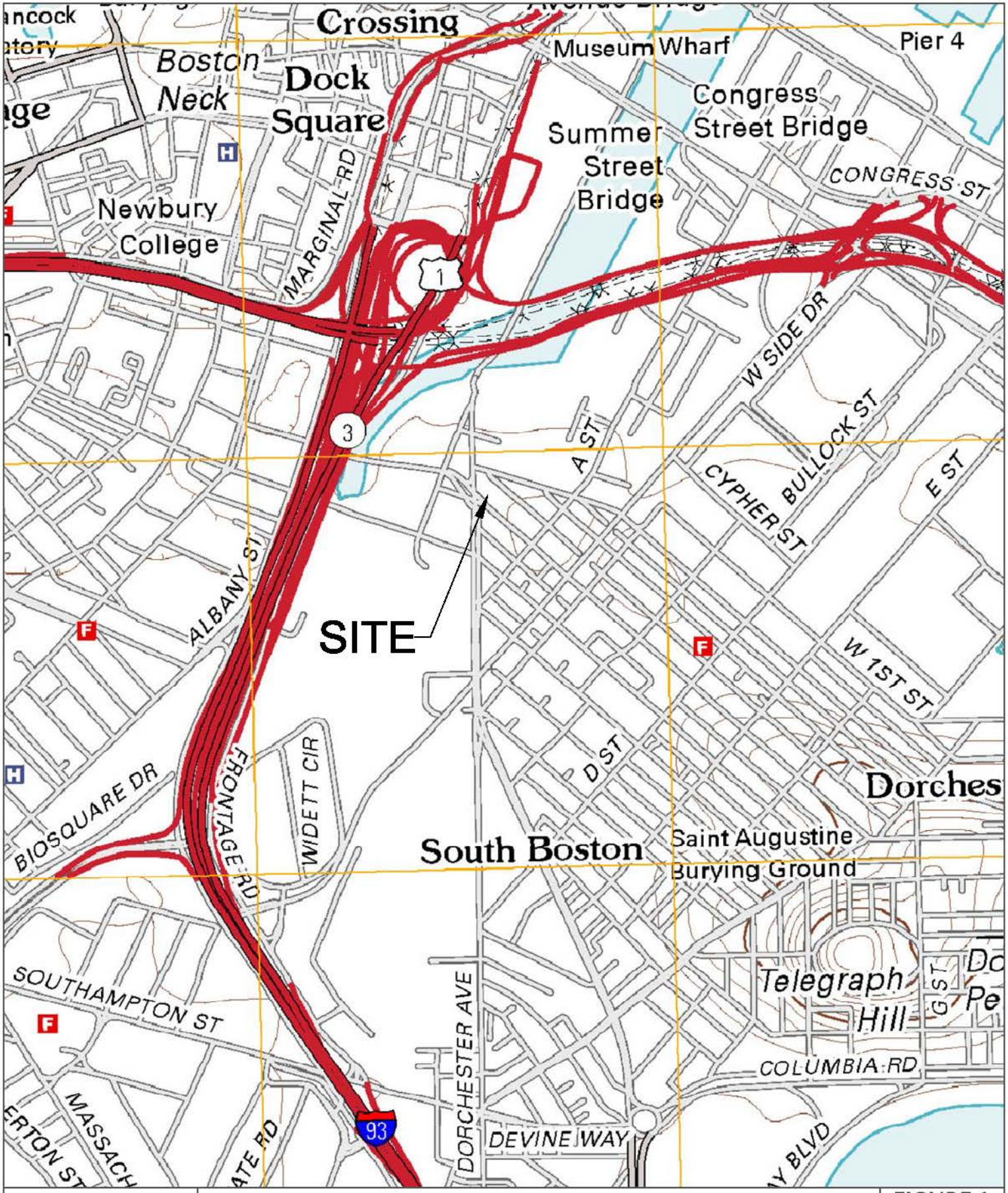
Richard E. Gang
Senior Vice President

COOPERSTOWN ENVIRONMENTAL LLC

Attachments

Appendix A — Figures and Table
- **Figure 1 — Site Locus**
- **Figure 2 — Site Plan**
- **Figure 3 — Treatment System Design Schematic**
- **Figure 4 — Discharge Flow Path**
- **Table 1 — Water Quality Sampling Results**

Appendix B — Laboratory Data Report
Appendix C — Notice of Intent (NOI) for Dewatering General Permit (DGP)
Appendix D — Endangered Species Act Documentation
Appendix E — Historical Documentation



COOPERSTOWN
environmental
23 Main Street • Andover, MA • 01810
Phone (978) 470-4755 • Fax (978) 470-4756
www.cooperstownenv.com

Site Locus

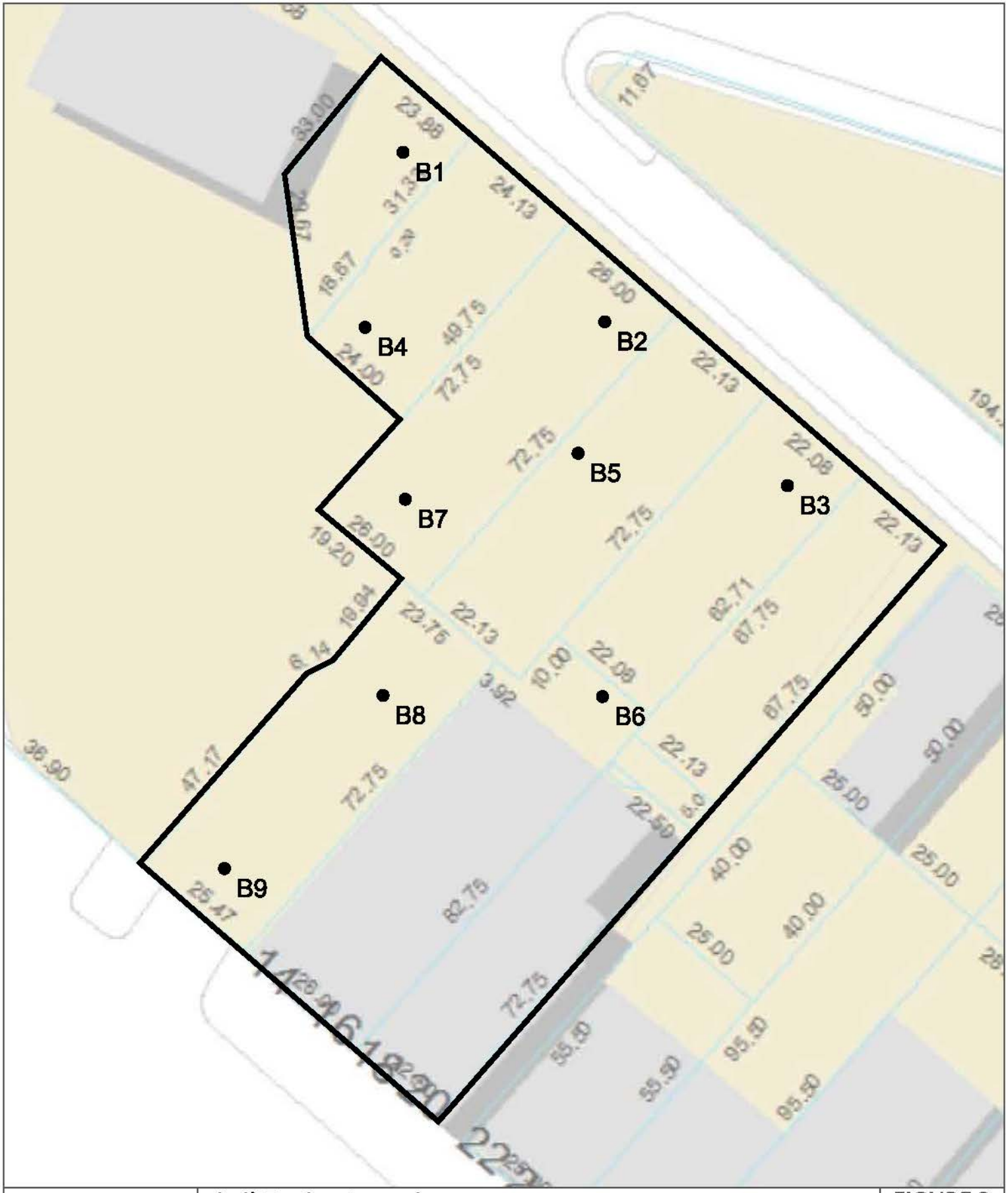
14 West Broadway
Boston, Massachusetts

SOURCE: US Geological Survey

FIGURE 1

N

SCALE: 1"=1000'



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Soil Boring Locations

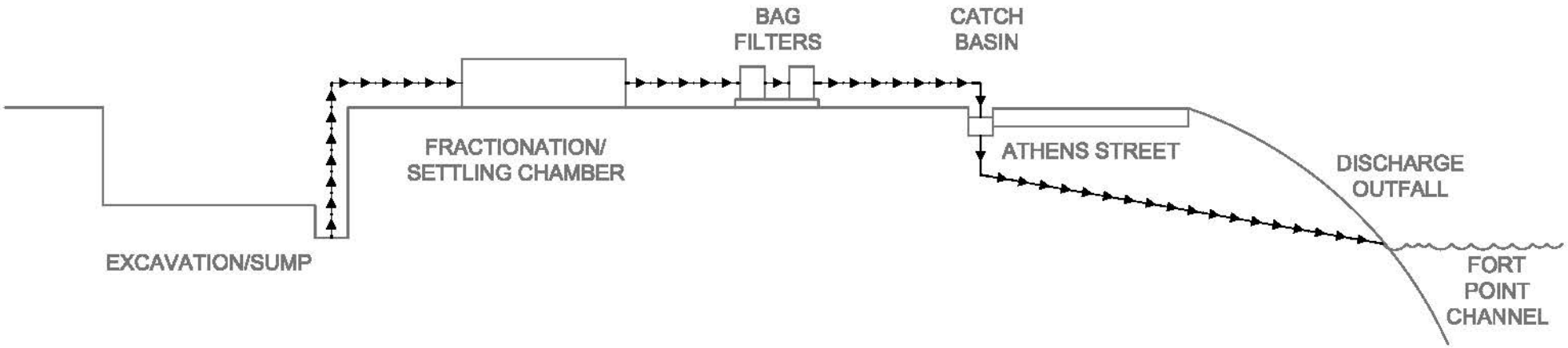
14 West Broadway
Boston, Massachusetts

SOURCE: City of Boston GIS

FIGURE 2

N

SCALE: 1"=30'



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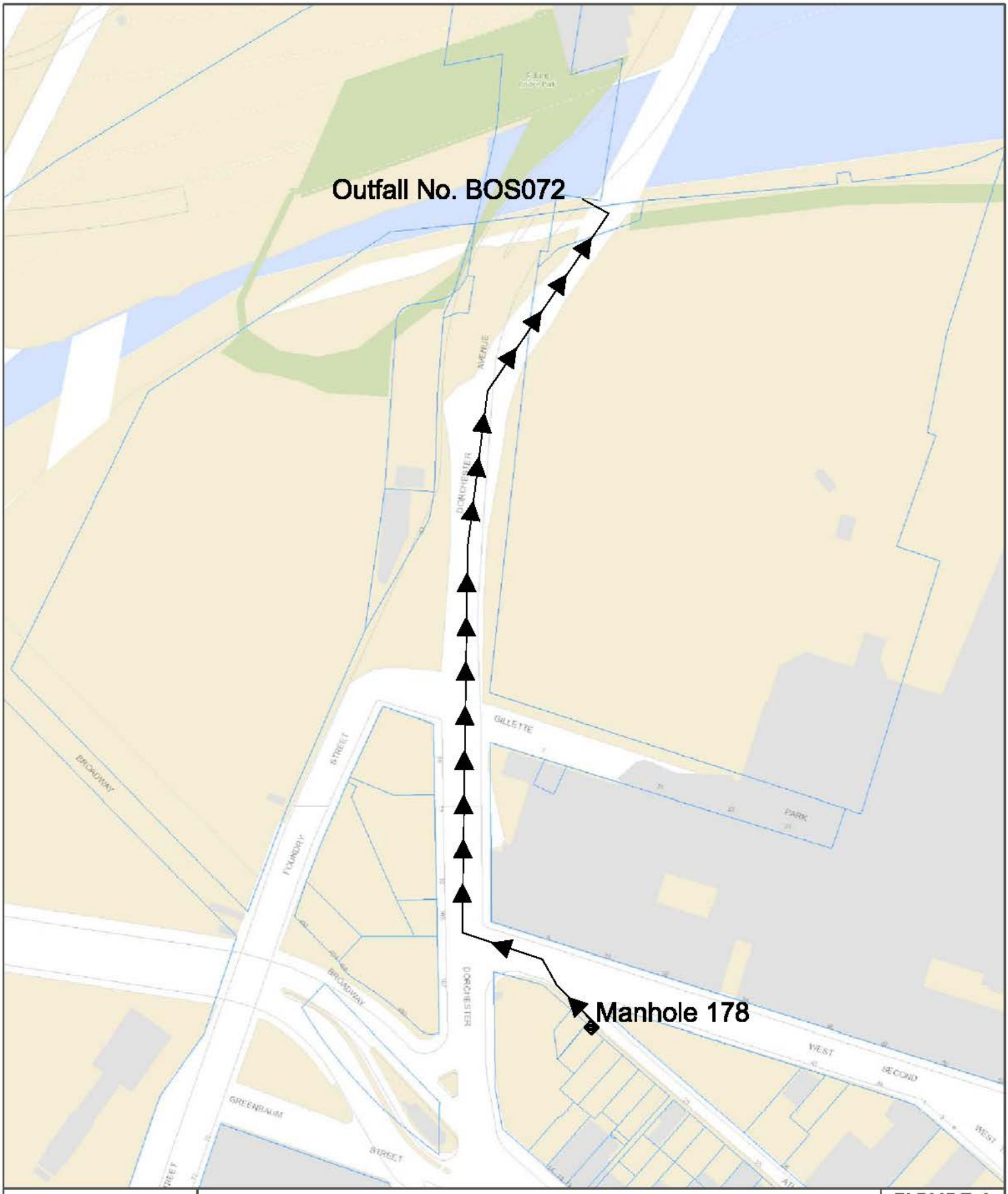
Treatment System Design Schematic

14 West Broadway
Boston, Massachusetts

FIGURE 3

N

NOT TO SCALE



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Discharge Flow Path

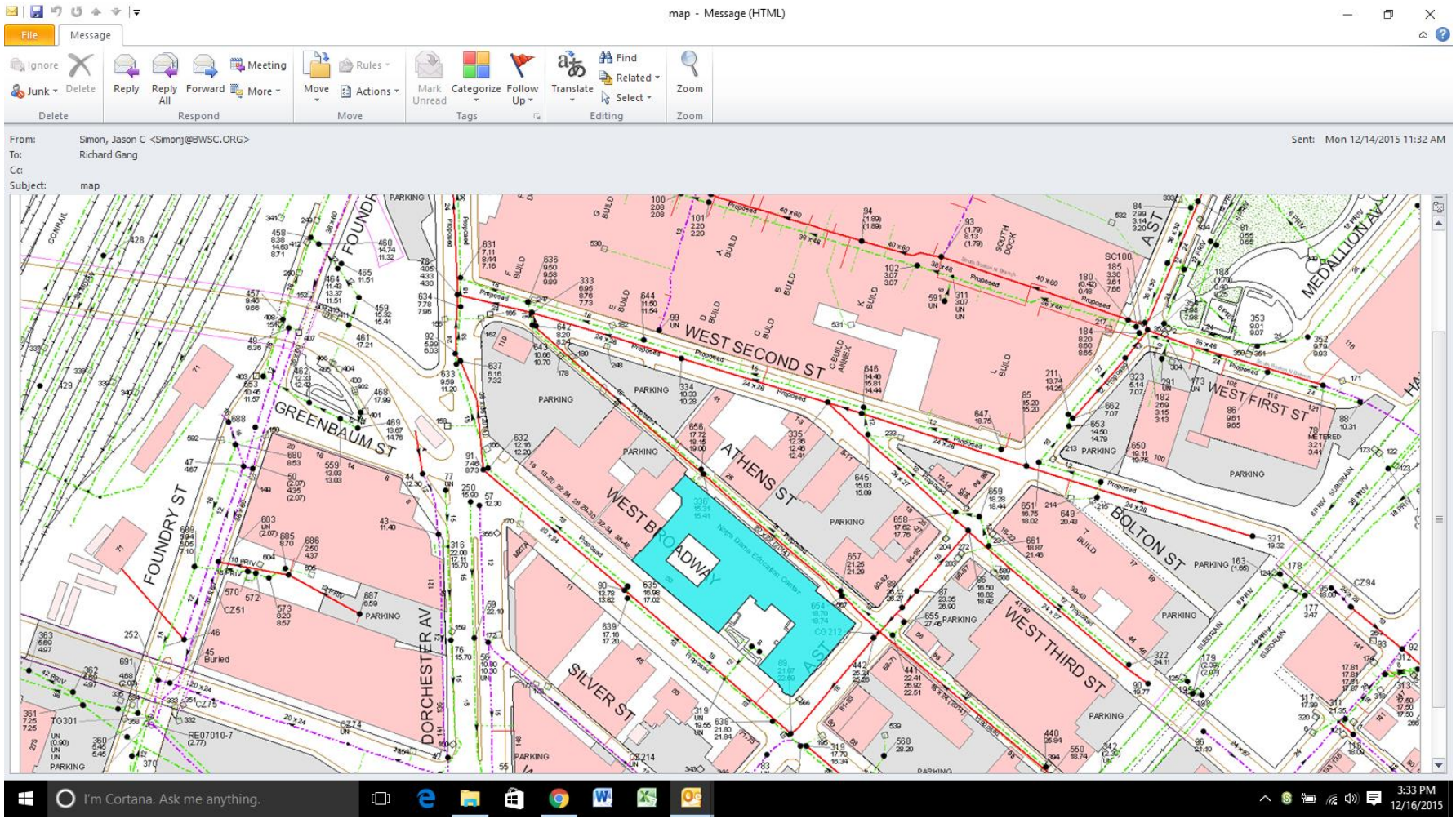
14 West Broadway
Boston, Massachusetts

SOURCE: City of Boston

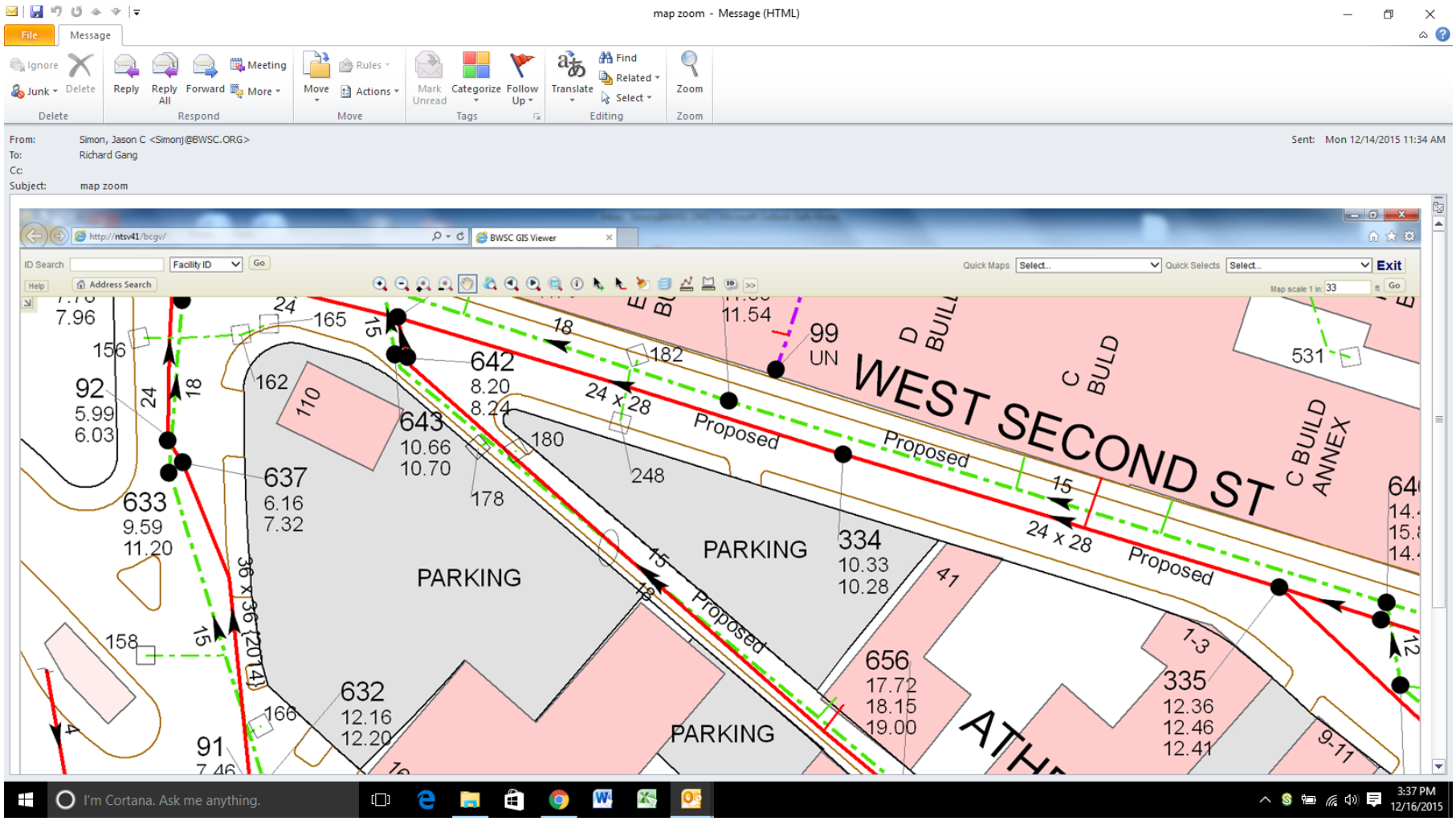
FIGURE 4

N

SCALE: 1"=200'



BWSC storm sewer alignment – 14 West Broadway, South Boston



BWSC storm sewer layout – 14 West Broadway

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
14 WEST BROADWAY
SOUTH BOSTON, MA
DECEMBER 2015

Compound Name	Units	MW-01				
		Sample Result	Reporting Limit	Maximum Daily DGP Discharge	RGP Saltwater Effluent Limits	DGP Detection Limits ICP/AES Methods 200.7, 3010A/6010C
Antimony	ug/l	2	2		5.6	10
Arsenic	ug/l	20	2		36	20
Cadmium	ug/l	2	1		8.9	10
Chromium III	ug/l	ND	1		100	15
Hexavalent Chromium VI	ug/l	ND	0.01		50.3	NA
Copper	ug/l	ND	5		3.7	15
Iron	ug/l	**8,230**	12		1000	20
Lead	ug/l	**9**	1		8.5	20
Mercury	ug/l	0.4	0.2		1.1	NA
Nickel	ug/l	ND	1		8.2	20
Selenium	ug/l	ND	2		71	20
Silver	ug/l	ND	1		2.2	10
Zinc	ug/l	ND	5		85.6	15
pH	S.U.	7.25	NA	6.5-8.3	NA	NA
Chloride	mg/L	231	1		NA	NA
Hardness	mg/L	604	0.33		NA	NA
Oil & Grease SGT	mg/L	ND	2	15	NA	NA
Total Residual Chlorine	mg/L	ND	0.01	0.13	7.5	NA
Total Suspended Solids	mg/L	48	2	100	30	NA

KEY:
Exceeds DGP effluent limit

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number B1204-10

Prepared for:

Cooperstown Environmental
23 Main Street, Terrace Level
Andover, MA 01810

Report Date: December 11, 2015

Director
New England Testing Laboratory, Inc.
Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #:
Project Location: W. Broadway S. Boston	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
B1204-10

Matrices: x Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other: _____

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B x	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B x ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B x	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A x	6020 Metals CAM III D ☐	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A x	6860 Perchlorate CAM VIII B ☐	Other x

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	x Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	x Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	x Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	x Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	x Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	x Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	x Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	x Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date**: 12/11/2015

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 4, 2015. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is B1204-10.

Custody records are included in this report.

Site: W. Broadway S. Boston

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-1	12/4/15	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Chloride	NA	4500-CL-B
Hexavalent Chromium	NA	Sm 3500-CR-B
Trivalent Chromium	NA	SM 3500-Cr-B/6010C
Hardness	NA	SM 2340B
Oil & Grease SGT	NA	1664
pH	NA	SM 4500HB
Total Cyanide	NA	SM4500CN-C, E
Total Phenols	NA	420.1
Total Residual Chlorine	NA	4500CLG
Total Suspended Solids	NA	2540D
Total Metals		
Antimony	3010A	6010C
Arsenic	3010A	6010C
Beryllium	3010A	6010C
Cadmium	3010A	6010C
Chromium	3010A	6010C
Copper	3010A	6010C
Iron	3010A	6010C
Lead	3010A	6010C
Mercury	NA	7470A
Nickel	3010A	6010C
Selenium	3010A	6010C
Silver	3010A	6010C
Zinc	3010A	6010C
PCB's	3510C	8082A
Semi-volatile Compounds	3510C	8270D
Ethylene Dibromide Only	5030	504.1
Volatile Organic Compounds	5030	624

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The sample "MW-1" was reported with elevated detection limits due to the foaming nature of the sample.

Semi-volatile Compounds

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Total Petroleum Hydrocarbons

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Wet Chemistry

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures.

Case No. B1204-10

MW-1

Parameter	Result	Reporting Limit	Date Analyzed
Chloride, mg/l	231	1	12/7/15
Hardness, mg/l	604	0.33	12/7/15
Hexavalent Chromium, mg/l	ND	0.01	12/4/15 @ 15:30
Trivalent Chromium, mg/l	ND	0.01	12/7/15
Oil & Grease SGT, mg/l	ND	2	12/10/15
pH, S.U.	7.25	NA	12/4/15 @ 16:00
Total Cyanide, mg/l	ND	0.01	12/7/15
Total Phenols, mg/l	ND	0.05	12/10/15
Total Residual Chlorine, mg/l	ND	0.01	12/4/15 @ 16:00
Total Suspended Solids, mg/l	48	2	12/8/15

NA = Not Applicable
ND = Not Detected
*Dry Weight Basis

Sample: MW-1		Analyst's Initials: BJ
Case No. B1204-10		
Date Collected: 12/4/15		
Sample Matrix: Water		
Subject: Ethylene Dibromide		
Prep Method: NA	Date Extracted	Date Analyzed
Analytical Method: EPA 504.1	12/9/15	12/9/15
Compound	Concentration, mg/l (ppb)	Reporting Limit mg/l (ppb)
Ethylene Dibromide	ND	0.02

ND = Not Detected

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

METALS RESULTS

Case Number: B1204-10
Sample ID: MW-1
Date collected: 12/04/15
Matrix WATER
Sample Type: TOTAL

Analyst AEG/NC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	0.002	0.002	mg/l	12/7/15	12/7/15
Arsenic	7440-38-2	3010A	6010C	0.020	0.002	mg/l	12/7/15	12/7/15
Beryllium	7440-41-7	3010A	6010C	ND	0.001	mg/l	12/7/15	12/7/15
Cadmium	7440-43-9	3010A	6010C	0.002	0.001	mg/l	12/7/15	12/7/15
Chromium	7440-47-3	3010A	6010C	ND	0.001	mg/l	12/7/15	12/7/15
Copper	7440-50-8	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15
Iron	7439-89-6	3010A	6010C	8.23	0.012	mg/l	12/7/15	12/7/15
Lead	7439-92-1	3010A	6010C	0.009	0.001	mg/l	12/7/15	12/7/15
Mercury	7439-97-6	NA	7470A	0.0004	0.0002	mg/l	12/9/15	12/9/15
Nickel	7440-02-0	3010A	6010C	ND	0.001	mg/l	12/7/15	12/7/15
Selenium	7782-49-2	3010A	6010C	ND	0.002	mg/l	12/7/15	12/7/15
Silver	7440-22-4	3010A	6010C	ND	0.001	mg/l	12/7/15	12/7/15
Zinc	7440-66-6	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15

ND indicates Not Detected.

METALS RESULTS

Sample ID: METHOD BLANK
Matrix WATER
Sample Type: Preparation Blank

Analyst EG/NC/GM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	3010A	6010C	ND	0.01	mg/l	12/7/15	12/7/15
Arsenic	7440-38-2	3010A	6010C	ND	0.01	mg/l	12/7/15	12/7/15
Beryllium	7440-41-7	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15
Cadmium	7440-43-9	3010A	6010C	ND	0.004	mg/l	12/7/15	12/7/15
Chromium	7440-47-3	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15
Copper	7440-50-8	3010A	6010C	ND	0.02	mg/l	12/7/15	12/7/15
Iron	7439-89-6	3010A	6010C	ND	0.05	mg/l	12/7/15	12/7/15
Lead	7439-92-1	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15
Mercury	7439-97-6	NA	7470A	ND	0.0002	mg/l	12/9/15	12/9/15
Nickel	7440-02-0	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15
Selenium	7782-49-2	3010A	6010C	ND	0.01	mg/l	12/7/15	12/7/15
Silver	7440-22-4	3010A	6010C	ND	0.005	mg/l	12/7/15	12/7/15
Zinc	7440-66-6	3010A	6010C	ND	0.02	mg/l	12/7/15	12/7/15

ND indicates Not Detected.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Antimony	1.00	1.11	mg/l	111	85	115	12/7/15
Arsenic	0.20	0.21	mg/l	105	85	115	12/7/15
Beryllium	0.20	0.23	mg/l	115	85	115	12/7/15
Cadmium	1.00	1.04	mg/l	104	85	115	12/7/15
Chromium	1.00	1.03	mg/l	103	85	115	12/7/15
Copper	1.00	1.07	mg/l	107	85	115	12/7/15
Iron	10.0	10.8	mg/l	108	85	115	12/7/15
Lead	1.00	1.02	mg/l	102	85	115	12/7/15
Mercury	0.001	0.001	mg/l	93	85	115	12/9/15
Nickel	1.00	1.05	mg/l	105	85	115	12/7/15
Selenium	0.20	0.20	mg/l	98	85	115	12/7/15
Silver	0.40	0.40	mg/l	101	85	115	12/7/15
Zinc	1.00	1.06	mg/l	106	85	115	12/7/15

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: MW-1		Analyst's Initials: BJ
Case No. B1204-10		
Date Collected: 12/4/15		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	12/9/15	12/11/15
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit ug/l (ppb)
Aroclor-1016	N.D.	0.2
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1242	N.D.	0.2
Aroclor-1248	N.D.	0.2
Aroclor-1254	N.D.	0.2
Aroclor-1260	N.D.	0.2
Aroclor-1262	N.D.	0.2
Aroclor-1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	77	30-129
DCBP	76	30-126

N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: BJ
Case No. B1204-10		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	12/9/15	12/11/15
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit ug/l (ppb)
Aroclor-1016	N.D.	0.2
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1242	N.D.	0.2
Aroclor-1248	N.D.	0.2
Aroclor-1254	N.D.	0.2
Aroclor-1260	N.D.	0.2
Aroclor-1262	N.D.	0.2
Aroclor-1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	72	30-129
DCBP	73	30-126

N.D. = Not Detected

PCB Laboratory Control Spike

Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	12/9/15			12/11/15
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/l	Result mg/l	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.485	97	40-130
Aroclor 1260	0.500	0.503	100	40-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	73	30-129		
DCBP	85	30-126		

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

1B EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: New England Testing Laboratory Contract: W Broadwa

Lab Code: RI010 Case No.: B1204-10 SAS No.: Cooper SDG No.: Coopersto

Matrix: (soil/water) WATER Lab Sample ID: MW-1

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B120711.D

Level: (low/med) LOW Date Received: 12/4/2015

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/7/2015

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/7/2015

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	3	U
110-86-1	Pyridine	2	U
108-95-2	Phenol	2	U
62-53-3	Aniline	2	U
111-44-4	bis(2-Chloroethyl)ether	2	U
95-57-8	2-Chlorophenol	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
95-48-7	2-Methylphenol	2	U
108-60-1	2,2'-oxybis (1-chloropropane)	2	U
106-44-5	3- & 4-Methylphenol	4	U
621-64-7	n-Nitroso-di-n-propylamine	2	U
67-72-1	Hexachloroethane	2	U
98-95-3	Nitrobenzene	2	U
78-59-1	Isophorone	2	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	15	U
111-91-1	bis(2-Chloroethoxy)methane	2	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	2	U
91-20-3	Naphthalene	2	U
106-47-8	4-Chloroaniline	2	U
87-68-3	Hexachlorobutadiene	2	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	2	U
77-47-4	Hexachlorocyclopentadiene	2	U
88-06-2	2,4,6-Trichlorophenol	2	U
95-95-4	2,4,5-Trichlorophenol	2	U
91-58-7	2-Chloronaphthalene	2	U
88-74-4	2-Nitroaniline	2	U
131-11-3	Dimethyl phthalate	2	U
208-96-8	Acenaphthylene	2	U
606-20-2	2,6-Dinitrotoluene	2	U
99-09-2	3-Nitroaniline	2	U
83-32-9	Acenaphthene	2	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: New England Testing Laboratory Contract: W Broadwa

Lab Code: RI010 Case No.: B1204-10 SAS No.: Cooper SDG No.: Coopersto

Matrix: (soil/water) WATER Lab Sample ID: MW-1

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B120711.D

Level: (low/med) LOW Date Received: 12/4/2015

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/7/2015

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/7/2015

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	5	U
100-02-7	4-Nitrophenol	5	U
132-64-9	Dibenzofuran	2	U
121-14-2	2,4-Dinitrotoluene	2	U
84-66-2	Diethyl phthalate	2	U
86-73-7	Fluorene	2	U
7005-72-3	4-Chlorophenyl phenyl ether	2	U
100-01-6	4-Nitroaniline	2	U
534-52-1	4,6-Dinitro-2-methylphenol	5	U
86-30-6	n-Nitrosodiphenylamine	2	U
101-55-3	4-Bromophenyl phenyl ether	2	U
118-74-1	Hexachlorobenzene	2	U
87-86-5	Pentachlorophenol	5	U
85-01-8	Phenanthrene	2	U
120-12-7	Anthracene	2	U
84-74-2	Di-n-butylphthalate	3	U
206-44-0	Fluoranthene	2	U
92-87-5	Benzidine	60	U
129-00-0	Pyrene	2	U
85-68-7	Butyl benzyl phthalate	2	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	2	U
218-01-9	Chrysene	2	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	U
117-84-0	Di-n-octyl phthalate	3	U
205-99-2	Benzo(b)fluoranthene	2	U
207-08-9	Benzo(k)fluoranthene	2	U
50-32-8	Benzo(a)pyrene	2	U
53-70-3	Dibenz(a,h)anthracene	2	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	U
191-24-2	Benzo(g,h,i)perylene	2	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BSW120715

Lab Name: New England Testing Laboratory Contract: W Broadwa

Lab Code: RI010 Case No.: B1204-10 SAS No.: Cooper SDG No.: Coopersto

Matrix: (soil/water) WATER Lab Sample ID: BSW120715

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B120706.D

Level: (low/med) LOW Date Received: 12/4/2015

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/7/2015

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/7/2015

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	3	U
110-86-1	Pyridine	2	U
108-95-2	Phenol	2	U
62-53-3	Aniline	2	U
111-44-4	bis(2-Chloroethyl)ether	2	U
95-57-8	2-Chlorophenol	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
95-48-7	2-Methylphenol	2	U
108-60-1	2,2'-oxybis (1-chloropropane)	2	U
106-44-5	3- & 4-Methylphenol	4	U
621-64-7	n-Nitroso-di-n-propylamine	2	U
67-72-1	Hexachloroethane	2	U
98-95-3	Nitrobenzene	2	U
78-59-1	Isophorone	2	U
88-75-5	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	15	U
111-91-1	bis(2-Chloroethoxy)methane	2	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	2	U
91-20-3	Naphthalene	2	U
106-47-8	4-Chloroaniline	2	U
87-68-3	Hexachlorobutadiene	2	U
59-50-7	4-Chloro-3-methylphenol	5	U
91-57-6	2-Methylnaphthalene	2	U
77-47-4	Hexachlorocyclopentadiene	2	U
88-06-2	2,4,6-Trichlorophenol	2	U
95-95-4	2,4,5-Trichlorophenol	2	U
91-58-7	2-Chloronaphthalene	2	U
88-74-4	2-Nitroaniline	2	U
131-11-3	Dimethyl phthalate	2	U
208-96-8	Acenaphthylene	2	U
606-20-2	2,6-Dinitrotoluene	2	U
99-09-2	3-Nitroaniline	2	U
83-32-9	Acenaphthene	2	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BSW120715

Lab Name: New England Testing Laboratory Contract: W Broadwa

Lab Code: RI010 Case No.: B1204-10 SAS No.: Cooper SDG No.: Coopersto

Matrix: (soil/water) WATER Lab Sample ID: BSW120715

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B120706.D

Level: (low/med) LOW Date Received: 12/4/2015

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/7/2015

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/7/2015

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	5	U
100-02-7	4-Nitrophenol	5	U
132-64-9	Dibenzofuran	2	U
121-14-2	2,4-Dinitrotoluene	2	U
84-66-2	Diethyl phthalate	2	U
86-73-7	Fluorene	2	U
7005-72-3	4-Chlorophenyl phenyl ether	2	U
100-01-6	4-Nitroaniline	2	U
534-52-1	4,6-Dinitro-2-methylphenol	5	U
86-30-6	n-Nitrosodiphenylamine	2	U
101-55-3	4-Bromophenyl phenyl ether	2	U
118-74-1	Hexachlorobenzene	2	U
87-86-5	Pentachlorophenol	5	U
85-01-8	Phenanthrene	2	U
120-12-7	Anthracene	2	U
84-74-2	Di-n-butylphthalate	3	U
206-44-0	Fluoranthene	2	U
92-87-5	Benzidine	60	U
129-00-0	Pyrene	2	U
85-68-7	Butyl benzyl phthalate	2	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	2	U
218-01-9	Chrysene	2	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	U
117-84-0	Di-n-octyl phthalate	3	U
205-99-2	Benzo(b)fluoranthene	2	U
207-08-9	Benzo(k)fluoranthene	2	U
50-32-8	Benzo(a)pyrene	2	U
53-70-3	Dibenz(a,h)anthracene	2	U
193-39-5	Indeno(1,2,3-cd)pyrene	2	U
191-24-2	Benzo(g,h,i)perylene	2	U

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory Contract: W Broadway S. B

Lab Code: RI010 Case No.: B1204-10 SAS No.: Cooper SDG No.: Coopersto

	EPA SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	BSW120715	46	28	93	103	92	122	0
02	LSW120715	47	28	114	127	117	120	0
03	MW-1	34	24	102	116	114	124	0

QC LIMITS

S1	=	2-Fluorophenol	(10-81)
S2	=	Phenol-d6	(10-83)
S3	=	Nitrobenzene-d5	(30-130)
S4	=	2-Fluorobiphenyl	(35-130)
S5	=	2,4,6-Tribromophenol	(44-120)
S6	=	Terphenyl-d14	(50-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

Semivolatile Water Laboratory Control Spike

Date Extracted: 12/7/2015
Date Analyzed: 12/7/2015

	Amount Spiked ug/L	Result, ug/L	Recovery %	Lower Recovery Limit	Upper Recovery Limit
n-Nitrosodimethylamine	50.0	10.8	22	10	69
Phenol	50.0	10.4	21	10	67
Aniline	50.0	29.3	59	14	92
bis(2-Chloroethyl)ether	50.0	41.5	83	26	120
2-Chlorophenol	50.0	33.8	68	28	85
1,3-Dichlorobenzene	50.0	36.6	73	26	87
1,4-Dichlorobenzene	50.0	37.0	74	26	89
1,2-Dichlorobenzene	50.0	37.6	75	27	92
2-Methylphenol	50.0	26.8	54	30	86
bis(2-chloroisopropyl)ether	50.0	44.3	89	24	120
3- & 4-Methylphenol	50.0	24.9	50	15	80
n-Nitroso-di-n-propylamine	50.0	40.0	80	31	106
Hexachloroethane	50.0	37.6	75	24	89
Nitrobenzene	50.0	42.3	85	26	100
Isophorone	50.0	47.3	95	26	115
2-Nitrophenol	50.0	41.2	82	25	104
2,4-Dimethylphenol	50.0	43.4	87	28	114
bis(2-Chloroethoxy)methane	50.0	46.2	92	28	120
2,4-Dichlorophenol	50.0	41.6	83	28	105
1,2,4-Trichlorobenzene	50.0	40.7	81	26	98
Naphthalene	50.0	41.2	82	27	104
Hexachlorobutadiene	50.0	46.5	93	26	115
4-Chloro-3-methylphenol	50.0	38.2	76	29	116
2-Methylnaphthalene	50.0	40.8	82	27	104
Hexachlorocyclopentadiene	50.0	49.7	99	10	115
2,4,6-Trichlorophenol	50.0	49.3	99	35	114
2,4,5-Trichlorophenol	50.0	47.2	94	34	123
2-Chloronaphthalene	50.0	48.6	97	33	108
2-Nitroaniline	50.0	46.1	92	37	124
Dimethyl phthalate	50.0	45.1	90	40	119
Acenaphthylene	50.0	48.1	96	35	113
2,6-Dinitrotoluene	50.0	46.2	92	41	128
Acenaphthene	50.0	47.3	95	34	130
2,4-Dinitrophenol	50.0	41.7	83	15	130
Dibenzofuran	50.0	45.3	91	36	116
2,4-Dinitrotoluene	50.0	43.8	88	41	129
Diethyl phthalate	50.0	43.0	86	39	121

Semivolatile Water Laboratory Control Spike

Date Extracted: 12/7/2015
Date Analyzed: 12/7/2015

Fluorene	50.0	44.5	89	40	130
4-Chlorophenyl phenyl ether	50.0	45.0	90	38	130
4-Nitroaniline	50.0	47.3	95	32	130
4,6-Dinitro-2-methylphenol	50.0	56.3	113	10	130
4-Bromophenyl phenyl ether	50.0	48.0	96	36	130
Hexachlorobenzene	50.0	47.9	96	48	130
Pentachlorophenol	50.0	51.5	103	30	130
Phenanthrene	50.0	48.2	96	48	115
Anthracene	50.0	48.5	97	45	121
Di-n-butylphthalate	50.0	47.8	96	38	130
Fluoranthene	50.0	50.4	101	48	122
Pyrene	50.0	46.9	94	45	130
Butyl benzyl phthalate	50.0	49.7	99	34	130
Benzo(a)anthracene	50.0	48.0	96	52	117
Chrysene	50.0	48.4	97	47	130
bis(2-Ethylhexyl)phthalate	50.0	50.3	101	33	130
Benzo(b)fluoranthene	50.0	53.4	107	45	130
Benzo(k)fluoranthene	50.0	52.4	105	46	130
Benzo(a)pyrene	50.0	53.3	107	46	130
Indeno(1,2,3-cd)pyrene	50.0	53.2	106	41	130
Dibenz(a,h)anthracene	50.0	54.6	109	48	130
Benzo(g,h,i)perylene	50.0	54.7	109	36	130

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: B1204-10

Method: 624

Matrix: (soil/water) WATER

Sample wt/vol: 5.0 (g/ml) ML

% Moisture

Soil Extract Volume: (uL)

Analyst's Initials: MM

Client Name: Cooperstown Environme

Lab Sample ID: MW-1

Date Sampled: 12/04/2015

Date Analyzed: 12/04/2015

Dilution Factor: 20

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	20	U
67-64-1	Acetone	20	U
75-35-4	1,1-Dichloroethene	20	U
75-09-2	Methylene Chloride	20	U
1634-04-4	tert-Butyl methyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U
79-01-6	Trichloroethene	20	U
106-93-4	Ethylene Dibromide	20	U
108-88-3	Toluene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	m & p-Xylene	40	U
95-47-6	o-Xylene	20	U
75-65-0	tert butyl alcohol	100	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
91-20-3	Naphthalene	20	U
994-05-8	Tert-amyl Methyl Ether	20	U
637-92-3	Ethyl Tert-butyl ether	20	U
123-91-1	1,4 Dioxane	200	U

Surrogates:

Compound	% Recovery	Limits
Toluene d8	98	70-130
1,2-Dichloroethabne d4	99	70-130
4 BFB	95	70-130

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

CHAIN OF CUSTODY RECORD

B1204-10

PROJ. NO.

PROJECT NAME/LOCATION: W. Broadway S. Boston

CLIENT: Cooperstown

REPORT TO: Eric, Isaac, Jeanne, Richard

INVOICE TO: Laura

DATE	TIME	COMP	GRAB	SAMPLE I.D.	AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS** Chloride, pH, TSS, TRC, Hex Chrom	Hardness, Priority Pollutant Metals 13	PAHs	BNAs + PCBs	Oil + Grease, Total Phenols	Total Cyanide	REMARKS
12/4/15	8:15		✓	MW-1	✓			14	HCl, HNO_3, H_2SO_4,	✓	✓	✓	✓	✓	✓	Cyanide needs preservative. Also if BNAs & PCBs need preservatives

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Eric Ark	12/4/15 8:15		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Eric Ark	12/4/15 9:10	Robert Lee	12/4/15 9:10
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time
Robert Lee	12/4/15 1335	mkl Page	12/4/15 1335

Laboratory Remarks:
Temp. received: 3°
Cooled ☑

Special Instructions:
List Specific Detection Limit Requirements:
NPDES Discharge Parameters. See attached sheets!

Turnaround (Business Days)_____

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMR5, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Category I - Petroleum Related Site Remediation				
Sub-category C - Petroleum Sites with Additional Contamination				
Category II - Non Petroleum Site Remediation				
Sub-category B - VOC Sites with Additional Contamination				
Category III - Contaminated Construction Dewatering				
Sub-category A - General Urban Fill Sites				
Sub-category B - Known Contaminated Sites				
Category IV - Miscellaneous Related Discharges				
Sub-category A - Aquifer Pump Testing to Evaluate Formerly Contaminated Sites				
Sub-category B - Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites				
Sub-category D - Long-Term Remediation of Contaminated Non-residential Sumps and Dikes				
Sub-category E - Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit)				
Parameter	**CAS Number(s)**	**Effluent Limit**	**Limit type based on monthly sample**	**Sample Type**
1. Total Suspended Solids (TSS)		30 milligrams/liter (mg/l), 50 mg/l for hydrostatic testing	monthly average	grab
2. Total Residual Chlorine (TRC) [1]		Freshwater = 11 ug/l Saltwater = 7.5 ug/l	monthly average	grab
3. Total Petroleum Hydrocarbons (TPH)		5.0 mg/l	daily maximum	grab
4. Cyanide (CN) [2, 3]	57125	Freshwater = 5.2 ug/l Saltwater = 1.0 ug/l	monthly average	grab
5. Benzene (B)	71432	50.0 ug/l for hydrostatic testing only	daily maximum	grab
6. Toluene (T)	108883	(limited as ug/L total BTEX)	daily maximum	grab
7. Ethylbenzene (E)	100-41-4	(limited as ug/L total BTEX)	daily maximum	grab
8. (m,p,o) Xylenes (X)	108-88-3; 106-42-3; 95-47-6; 1330-20-7	(limited as ug/L total BTEX)	daily maximum	grab
9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4]		100 ug/l	daily maximum	grab
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane)	106-93-4	0.05 ug/l	daily maximum	grab
11. Methyl-tert-Butyl Ether (MtBE)	1634-04-4	70.0 ug/l	daily maximum	grab

NP
NP
H_2SO_4 → Oil & Grease
plastic preserve @ 1 day

Category I - Petroleum Related Site Remediation				
Sub-category C - Petroleum Sites with Additional Contamination				
Category II - Non Petroleum Site Remediation				
Sub-category B - VOC Sites with Additional Contamination				
Category III - Contaminated Construction Dewatering				
Sub-category A - General Urban Fill Sites				
Sub-category B - Known Contaminated Sites				
Category IV - Miscellaneous Related Discharges				
Sub-category A - Aquifer Pump Testing to Evaluate Formerly Contaminated Sites				
Sub-category B - Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites				
Sub-category D - Long-Term Remediation of Contaminated Non-residential Sumps and Dikes				
Sub-category E - Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit)				
Parameter	**CAS Number(s)**	**Effluent Limit**	**Limit type based on monthly sample**	**Sample Type**
12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	75-65-0	Monitor Only (ug/L)	daily maximum	grab
13. tert-Amyl Methyl Ether (TAME)	994-05-08	Monitor Only (ug/L)	daily maximum	grab
14. Naphthalene [5]	91-20-3	20 ug/l	daily maximum	grab
15. Carbon Tetrachloride	56-23-5	4.4 ug/l	daily maximum	grab
16. 1,2 Dichlorobenzene (o-DCB)	95-50-1	600 ug/l	daily maximum	grab
17. 1,3 Dichlorobenzene (m-DCB)	541-73-1	320 ug/l	daily maximum	grab
18. 1,4 Dichlorobenzene (p-DCB)	106-46-7	5.0 ug/l	daily maximum	grab
18a. Total dichlorobenzene		763 ug/l - NH only	daily maximum	grab
19. 1,1 Dichloroethane (DCA)	75-34-3	70 ug/l	daily maximum	grab
20. 1,2 Dichloroethane (DCA)	107-06-2	5.0 ug/l	daily maximum	grab
21. 1,1 Dichloroethene (DCE)	75-35-4	3.2 ug/l	daily maximum	grab
22. cis-1,2 Dichloroethene (DCE)	156-59-2	70 ug/l	daily maximum	grab
23. Methylene Chloride	75-09-2	4.6 ug/l	daily maximum	grab
24. Tetrachloroethene (PCE)	127-18-4	5.0 ug/l	daily maximum	grab
25. 1,1,1 Trichloro-ethane (TCA)	71-55-6	200 ug/l	daily maximum	grab
26. 1,1,2 Trichloro-ethane (TCA)	79-00-5	5.0 ug/l	daily maximum	grab
27. Trichloroethene (TCE)	79-01-6	5.0 ug/l	daily maximum	grab

Category I - Petroleum Related Site Remediation				
Sub-category C - Petroleum Sites with Additional Contamination				
Category II - Non Petroleum Site Remediation				
Sub-category B - VOC Sites with Additional Contamination				
Category III - Contaminated Construction Dewatering				
Sub-category A - General Urban Fill Sites				
Sub-category B - Known Contaminated Sites				
Category IV - Miscellaneous Related Discharges				
Sub-category A - Aquifer Pump Testing to Evaluate Formerly Contaminated Sites				
Sub-category B - Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites				
Sub-category D - Long-Term Remediation of Contaminated Non-residential Sumps and Dikes				
Sub-category E - Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit)				
Parameter	**CAS Number(s)**	**Effluent Limit**	**Limit type based on monthly sample**	**Sample Type**
28. Vinyl Chloride (Chloroethene)	75-01-4	2.0 ug/l	daily maximum	grab
29. Acetone	67-64-1-	Monitor Only (ug/L)	daily maximum	grab
30. 1,4 Dioxane	123-91-1	Monitor Only (ug/L)	daily maximum	grab
31. Total Phenols	108-95-2	300 ug/l	daily maximum	grab
32. Pentachlorophenol (PCP)	87-86-5	1.0 ug/l	daily maximum	grab
33. Total Phthalates (Phthalate esters) [6]		3.0 ug/L	monthly average	grab
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117-81-7	6.0 ug/l	daily maximum	grab
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		10.0 ug/l	daily maximum	grab
a. Benzo(a) Anthracene [7]	56-55-3	0.0038 ug/l	daily maximum	grab
b. Benzo(a) Pyrene [7]	50-32-8	0.0038 ug/l	daily maximum	grab
c. Benzo(b)Fluoranthene [7]	205-99-2	0.0038 ug/l	daily maximum	grab
d. Benzo(k)Fluoranthene [7]	207-08-9	0.0038 ug/l	daily maximum	grab
e. Chrysene [7]	218-01	0.0038 ug/l	daily maximum	grab
f. Dibenzo(a,h)anthracene [7]	53-70-3	0.0038 ug/l	daily maximum	grab
g. Indeno(1,2,3-cd) Pyrene [7]	193-39-5	0.0038 ug/l	daily maximum	grab

With oil & Grease →

Category I - Petroleum Related Site Remediation				
Sub-category C - Petroleum Sites with Additional Contamination				
Category II - Non Petroleum Site Remediation				
Sub-category B - VOC Sites with Additional Contamination				
Category III - Contaminated Construction Dewatering				
Sub-category A - General Urban Fill Sites				
Sub-category B - Known Contaminated Sites				
Category IV - Miscellaneous Related Discharges				
Sub-category A - Aquifer Pump Testing to Evaluate Formerly Contaminated Sites				
Sub-category B - Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites				
Sub-category D - Long-Term Remediation of Contaminated Non-residential Sumps and Dikes				
Sub-category E - Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit)				
Parameter	**CAS Number(s)**	**Effluent Limit**	**Limit type based on monthly sample**	**Sample Type**
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		100 ug/l	daily maximum	grab
h. Acenaphthene	83-32-9	(limited as total ug/L Group II PAHs)	daily maximum	grab
i. Acenaphthylene	208-96-8	(limited as total ug/L Group II PAHs)	daily maximum	grab
j. Anthracene	120-12-7	(limited as total ug/L Group II PAHs)	daily maximum	grab
k. Benzo(ghi) Perylene	191-24-2	(limited as total ug/L Group II PAHs)	daily maximum	grab
l. Fluoranthene	206-44-0	(limited as total ug/L Group II PAHs)	daily maximum	grab
m. Fluorene	86-73-7	(limited as total ug/L Group II PAHs)	daily maximum	grab
n. Naphthalene [5]	91-20-3	20 ug/l	daily maximum	grab
o. Phenanthrene	85-01-8	(limited as ug/L total Group II PAHs)	daily maximum	grab
p. Pyrene	129-00-0	(limited as ug/L total Group II PAHs)	daily maximum	grab
37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	85-68-7; 84-74-2; 117-84-0; 84-66-2; 131-11-3; 117-81-7.	0.000064 ug/L	daily maximum	grab
38. Chloride	16887006	Monitor only	daily maximum	grab

Not Required
Non Detect

Category I - Petroleum Related Site Remediation							
Sub-category C - Petroleum Sites with Additional Contamination							
Category II - Non Petroleum Site Remediation							
Sub-category B - VOC Sites with Additional Contamination							
Category III - Contaminated Construction Dewatering							
Sub-category A - General Urban Fill Sites							
Sub-category B - Known Contaminated Sites							
Category IV - Miscellaneous Related Discharges							
Sub-category A - Aquifer Pump Testing to Evaluate Formerly Contaminated Sites							
Sub-category B - Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites							
Sub-category D - Long-Term Remediation of Contaminated Non-residential Sumps and Dikes							
Sub-category E - Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit)							
Metal parameters	CAS Number(s)	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11]		Total Recoverable Metal Limit @ H [10] = 25 mg/l CaCO3 for Discharges in New Hampshire (ug/l) [11]		Limit type based on monthly sample	Sample Type
		Freshwater	Saltwater	Freshwater	Saltwater		
39. Antimony	7440360	5.6		5.6		daily maximum	grab
40. Arsenic	7440382	10	36	10	36	monthly average	grab
41. Cadmium	7440439	0.2	8.9	0.8	9.3	monthly average	grab
42. Chromium III (trivalent)	16065831	48.8	100	27.7	100	monthly average	grab
43. Chromium VI (hexavalent)	18540299	11.4	50.3	11.4	50.3	monthly average	grab
44. Copper	7440508	5.2	3.7	2.9	3.7	monthly average	grab
45. Lead	7439921	1.3	8.5	0.5	8.5	monthly average	grab
46. Mercury	7439976	0.9	1.1	0.9	1.1	monthly average	grab
47. Nickel	7440020	29	8.2	16.1	8.2	monthly average	grab
48. Selenium	7782492	5	71	5	71	monthly average	grab
49. Silver	7440224	1.2	2.2	0.4	2.2	daily maximum	grab
50. Zinc	7440666	66.6	85.6	37	85.6	monthly average	grab
51. Iron	7439896	1,000		1,000		daily maximum	grab

APPENDIX VIII

TEST METHODS AND MINIMUM LEVELS[1] FOR GROUNDWATER SOURCES

Parameters	Minimum Levels (ug/l) and Test Methods				
	CAS Numbers	ICP/AES[2] Methods 200.7,3010A/6010C	ICP/MS[3],200.8, 310A/6020A	GFAA[4] Method 200.9, 7010	Notes Digestion Methods No.
1. Antimony	7440360	10 ug/L	0.5 ug/L	3 ug/l	200
2. Arsenic	7440382	20 ug/l	1.0 ug/L	3 ug/l	206.5
3. Cadmium	7440439	10 ug/l	0.2 ug/L	0.5 ug/l	200
4. Chromium Total	7440473	15ug/l	1.0 ug/L	1 ug/l	200
5. Chromium VI	18540299				
6. Copper	7440508	15 ug/l	0.5 ug/L	3 ug/l	200
7. Lead	7439921	20 ug/l	0.2 ug/L	3 ug/l	200
8. Mercury	7439976				
9. Nickel	7440020	20 ug/l	0.2 ug/L	5 ug/l	200
10. Selenium	7782492	20 ug/l	2 ug/L	5 ug/l	200
11. Silver	7740224	10 ug/l	0.2 ug/L	1 ug/l	200
12. Zinc	7440666	15 ug/l	5 ug/L		200
13. Iron	7439896	20 ug/L	50 ug/L		200
14. Hardness					Approved Part 136 Methods[2]
15.Chloride	16887006				Approved Part 136 Methods[2]
16. pH					Approved Part 136 Methods[2]

1. Minimum Level (ML) is the lowest level at which the analytical systemgives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence.
2. Inductively Couple Plasmas/ Atomic (optical) emissions Spectrometry
3. Inductively Couple Plasma/Mass Spectrometry
4. Graphite Furnace Atomic Absorption
5. Standard Method

NETLAB Case Number B1204-10		MW-1		
Compound Name	CAS Number	Sample Result	Reporting Limit	Units
Vinyl Chloride	75-01-4	ND	20	ug/L
Acetone	67-64-1	ND	20	ug/L
1,1-Dichloroethene	75-35-4	ND	20	ug/L
Methylene Chloride	75-09-2	ND	20	ug/L
tert-Butyl methyl ether	1634-04-4	ND	20	ug/L
1,1-Dichloroethane	75-34-3	ND	20	ug/L
cis-1,2-Dichloroethene	156-59-2	ND	20	ug/L
1,1,1-Trichloroethane	71-55-6	ND	20	ug/L
Carbon Tetrachloride	56-23-5	ND	20	ug/L
Benzene	71-43-2	ND	20	ug/L
1,2-Dichloroethane	107-06-2	ND	20	ug/L
Trichloroethene	79-01-6	ND	20	ug/L
Ethylene Dibromide	106-93-4	ND	20	ug/L
Toluene	108-88-3	ND	20	ug/L
1,1,2-Trichloroethane	79-00-5	ND	20	ug/L
Tetrachloroethene	127-18-4	ND	20	ug/L
Ethylbenzene	100-41-4	ND	20	ug/L
m & p-Xylene	1330-20-7	ND	40	ug/L
o-Xylene	95-47-6	ND	20	ug/L
tert butyl alcohol	75-65-0	ND	100	ug/L
1,3-Dichlorobenzene	541-73-1	ND	20	ug/L
1,4-Dichlorobenzene	106-46-7	ND	20	ug/L
1,2-Dichlorobenzene	95-50-1	ND	20	ug/L
Naphthalene	91-20-3	ND	20	ug/L
Tert-amyl Methyl Ether	994-05-8	ND	20	ug/L
Ethyl Tert-butyl ether	637-92-3	ND	20	ug/L
1,4 Dioxane	123-91-1	ND	200	ug/L
Ethylene Dibromide	106-93-4	ND	0.02	ug/L
n-Nitrosodimethylamine	62-75-9	ND	3	ug/L
Pyridine	110-86-1	ND	2	ug/L
Phenol	108-95-2	ND	2	ug/L
Aniline	62-53-3	ND	2	ug/L
bis(2-Chloroethyl)ether	111-44-4	ND	2	ug/L
2-Chlorophenol	95-57-8	ND	2	ug/L
1,3-Dichlorobenzene	541-73-1	ND	2	ug/L
1,4-Dichlorobenzene	106-46-7	ND	2	ug/L
1,2-Dichlorobenzene	95-50-1	ND	2	ug/L
2-Methylphenol	95-48-7	ND	2	ug/L
2,2'-oxybis (1-chloropropane)	108-60-1	ND	2	ug/L
3- &-Methylphenol	106-44-5	ND	4	ug/L
n-Nitroso-di-n-propylamine	621-64-7	ND	2	ug/L
Hexachloroethane	67-72-1	ND	2	ug/L
Nitrobenzene	98-95-3	ND	2	ug/L
Isophorone	78-59-1	ND	2	ug/L
2-Nitrophenol	88-75-5	ND	5	ug/L
2,4-Dimethylphenol	105-67-9	ND	10	ug/L
Benzoic acid	65-85-0	ND	15	ug/L
bis(2-Chloroethoxy)methane	111-91-1	ND	2	ug/L
2,4-Dichlorophenol	120-83-2	ND	5	ug/L

NETLAB Case Number B1204-10		MW-1		
Compound Name	CAS Number	Sample Result	Reporting Limit	Units
1,2,4-Trichlorobenzene	120-82-1	ND	2	ug/L
Naphthalene	91-20-3	ND	2	ug/L
4-Chloroaniline	106-47-8	ND	2	ug/L
Hexachlorobutadiene	87-68-3	ND	2	ug/L
4-Chloro-3-methylphenol	59-50-7	ND	5	ug/L
2-Methylnaphthalene	91-57-6	ND	2	ug/L
Hexachlorocyclopentadiene	77-47-4	ND	2	ug/L
2,4,6-Trichlorophenol	88-06-2	ND	2	ug/L
2,4,5-Trichlorophenol	95-95-4	ND	2	ug/L
2-Chloronaphthalene	91-58-7	ND	2	ug/L
2-Nitroaniline	88-74-4	ND	2	ug/L
Dimethyl phthalate	131-11-3	ND	2	ug/L
Acenaphthylene	208-96-8	ND	2	ug/L
2,6-Dinitrotoluene	606-20-2	ND	2	ug/L
3-Nitroaniline	99-09-2	ND	2	ug/L
Acenaphthene	83-32-9	ND	2	ug/L
2,4-Dinitrophenol	51-28-5	ND	5	ug/L
4-Nitrophenol	100-02-7	ND	5	ug/L
Dibenzofuran	132-64-9	ND	2	ug/L
2,4-Dinitrotoluene	121-14-2	ND	2	ug/L
Diethyl phthalate	84-66-2	ND	2	ug/L
Fluorene	86-73-7	ND	2	ug/L
4-Chlorophenyl phenyl ether	7005-72-3	ND	2	ug/L
4-Nitroaniline	100-01-6	ND	2	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	ND	5	ug/L
n-Nitrosodiphenylamine	86-30-6	ND	2	ug/L
4-Bromophenyl phenyl ether	101-55-3	ND	2	ug/L
Hexachlorobenzene	118-74-1	ND	2	ug/L
Pentachlorophenol	87-86-5	ND	5	ug/L
Phenanthrene	85-01-8	ND	2	ug/L
Anthracene	120-12-7	ND	2	ug/L
Di-n-butylphthalate	84-74-2	ND	3	ug/L
Fluoranthene	206-44-0	ND	2	ug/L
Benzidine	92-87-5	ND	60	ug/L
Pyrene	129-00-0	ND	2	ug/L
Butyl benzyl phthalate	85-68-7	ND	2	ug/L
3,3'-Dichlorobenzidine	91-94-1	ND	5	ug/L
Benzo(a)anthracene	56-55-3	ND	2	ug/L
Chrysene	218-01-9	ND	2	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	ND	3	ug/L
Di-n-octyl phthalate	117-84-0	ND	3	ug/L
Benzo(b)fluoranthene	205-99-2	ND	2	ug/L
Benzo(k)fluoranthene	207-08-9	ND	2	ug/L
Benzo(a)pyrene	50-32-8	ND	2	ug/L
Dibenz(a,h)anthracene	53-70-3	ND	2	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	ND	2	ug/L
Benzo(g,h,i)perylene	191-24-2	ND	2	ug/L
Antimony	7440-36-0	0.002	0.002	mg/L
Arsenic	7440-38-2	0.020	0.002	mg/L

NETLAB Case Number B1204-10		MW-1		
Compound Name	CAS Number	Sample Result	Reporting Limit	Units
Barium	7440-39-3	0.020	0.002	mg/L
Beryllium	7440-41-7	ND	0.001	mg/L
Cadmium	7440-43-9	0.002	0.001	mg/L
Chromium	7440-47-3	ND	0.001	mg/L
Copper	7440-50-8	ND	0.005	mg/L
Iron	7439-89-6	8.23	0.012	mg/L
Lead	7439-92-1	0.009	0.001	mg/L
Mercury	7439-97-6	0.0004	0.0002	mg/L
Nickel	7440-02-0	ND	0.001	mg/L
Selenium	7782-49-2	ND	0.002	mg/L
Silver	7440-22-4	ND	0.001	mg/L
Zinc	7440-66-6	ND	0.005	mg/L
Chloride	2647-14-5	231	1	mg/L
Hardness		604	0.33	mg/L
Hexavalent Chromium		ND	0.01	mg/L
Trivalent Chromium		ND	0.01	mg/L
pH		7.25	NA	mg/L
Oil & Grease SGT		ND	2	mg/L
Total Cyanide		ND	0.01	mg/L
Total Phenols		ND	0.05	mg/L
Total Residual Chlorine		ND	0.01	mg/L
Total Suspended Solids		48	2	mg/L
Aroclor 1221	11104-28-2	ND	0.2	ug/l
Aroclor 1232	11141-16-5	ND	0.2	ug/l
Aroclor 1016	12674-11-2	ND	0.2	ug/l
Aroclor 1242	53469-21-9	ND	0.2	ug/l
Aroclor 1248	12672-29-6	ND	0.2	ug/l
Aroclor 1254	11097-69-1	ND	0.2	ug/l
Aroclor 1260	11096-82-5	ND	0.2	ug/l
Aroclor 1262	37324-23-5	ND	0.2	ug/l
Aroclor 1268	11100-14-4	ND	0.2	ug/l

II. Suggested Notice of Intent (NOI) Format

1. General facility information. Please provide the following information about the facility.

a) Name of facility: 14 West Broadway	**Mailing Address for the Facility:** 14 West Broadway, South Boston, MA 02127	
b) Location Address of the Facility (if different from mailing address): Same	**Facility Location** **longitude:** 71 deg 3' 24.7" **latitude:** 42 deg 20' 35.3"	**Type of Business:** Vacant - under construction **Facility SIC codes:** NA

c) Name of facility owner: CPC Cornerstone Development LLC **Owner's email:** rsillery@citypointcapital.com

Owner's Tel #: (857) 496-0425 **Owner's Fax #:** (617) 830-9770

Address of owner (if different from facility address)

Owner is (check one): 1. Federal____ 2. State _____ 3. Private __✓__ 4. Other _____ (Describe)_____

Legal name of Operator, if not owner: Owner

Operator Contact Name: Ryan Sillery

Operator Tel Number: (857) 496-0425 **Fax Number:** (617) 830-9770

Operator's email: rsillery@citypointcapital.com

Operator Address (if different from owner)

546 East Broadway, South Boston, MA 02127

d) Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? __✓__

e) Check Yes or No for the following:

1. **Has a prior NPDES permit been granted for the discharge? Yes ____ No_✓_ If Yes, Permit Number: _____**
2. **Is the discharge a "new discharger" as defined by 40 CFR Section 122.2? Yes_✓_ No_____**
3. **Is the facility covered by an individual NPDES permit? Yes_____ No_✓_ If Yes, Permit Number ____**
4. **Is there a pending application on file with EPA for this discharge? Yes _____ No _✓_ If Yes, date of submittal:**

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed)

a) **Name of receiving water into which discharge will occur:** Fort Point Channel
State Water Quality Classification: SB(CSO) **Freshwater:** _____ **Marine Water:** Yes

b) **Describe the discharge activities for which the owner/applicant is seeking coverage:**

✓ 1. **Construction dewatering of groundwater intrusion and/or storm water accumulation.**
2. **Short-term or long-term dewatering of foundation sumps.**
3. **Other.**

c) **Number of outfalls** 1

For each outfall:

d) **Estimate the maximum daily and average monthly flow of the discharge (in gallons per day – GPD). Max Daily Flow** 9600 **GPD**
Average Monthly Flow 4800 **GPD**

e.) **What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH** 7.5 **Min pH** 6.5

f.) **Identify the source of the discharge (i.e. potable water, surface water, or groundwater). If groundwater, the facility shall submit effluent test results, as required in Section 4.4.5 of the General Permit.**

g.) **What treatment does the wastewater receive prior to discharge?**

h.) **Is the discharge continuous? Yes** _____ **No** ✓ **If no, is the discharge periodic (P) (occurs regularly, i.e., monthly or seasonally, but is not continuous all year) or intermittent (I) (occurs sometimes but not regularly) or both (B)** I
If (P), number of days or months per year of the discharge _____ **and the specific months of discharge** _____;
If (I), number of days/year there is a discharge 60
Is the discharge temporary? Yes ✓ **No** _____
If yes, approximate start date of dewatering March 2016 **approximate end date of dewatering** July 2016

i.) **Latitude and longitude of each discharge within 100 feet (See http://www.epa.gov/tri/report/siting_tool): Outfall 1: long.** None **lat.** None **; Outfall 2: long.**_____ **lat.**_____**; Outfall 3: long.**_____ **lat.**_____.

j.) **If the source of the discharge is potable water, please provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water and attach any calculation sheets used to support stream flow and dilution calculations** NA **cfs**
(See Appendix VII for equations and additional information)

MASSACHUSETTS FACILITIES: See Section 3.4 and Appendix 1 of the General Permit for more information on Areas of Critical Environmental Concern (ACEC):

k.) Does the discharge occur in an ACEC? Yes _____ No ✓
If yes, provide the name of the ACEC: _____

3. Contaminant Information

a) Are any pH neutralization and/or dechlorination chemicals used in the discharge? If so, include the chemical name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC_{50} in percent for aquatic organism(s)).

b) Please report any known remediation activities or water-quality issues in the vicinity of the discharge.

4. Determination of Endangered Species Act Eligibility: Provide documentation of ESA eligibility as required at Part 3.4 and Appendix IV. In addition, respond to the following questions.

a) Which of the three eligibility criteria listed in Appendix IV, Criterion (A, B, or C) have you met? A
b) Please attach documentation with your NOI supporting your response. Please see Appendix IV for acceptable documentation

5. Documentation of National Historic Preservation Act requirements: Please respond to the following questions:

a) See Screening Process in Appendix III and respond to questions regarding your site and any historic properties listed or eligible for listing on the National Register of Historic Places. Question 1: Yes _____ No ✓ ; Question 2: No ✓ Yes _____

b) Have any State or Tribal historic preservation officers been consulted in this determination? Yes _____ or No ✓ If yes, attach the results of the consultation(s).

c) Which of the three National Historic Preservation Act eligibility criterion listed in Appendix III, Criterion (A, B, or C) have you met? A

d) Is the project located on property of religious or cultural significance to an Indian Tribe? Yes _____ or No ✓ If yes, provide that name of the Indian Tribe associated with the property. _____

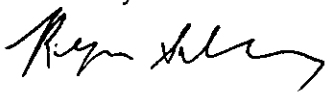
6. Supplemental Information: Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit

7. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the dewatering system; (2) the discharge consists solely of dewatering and authorized pH adjustment and/or dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product or finished product; (4) if the discharge of dewatering subsequently mixes with other permitted wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for dewatering discharge; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility Name: 14 West Broadway

Operator signature: 

Print Full Name and Title: Ryan Sillery, Manager

Date:

Federal regulations require this application to be signed as follows:

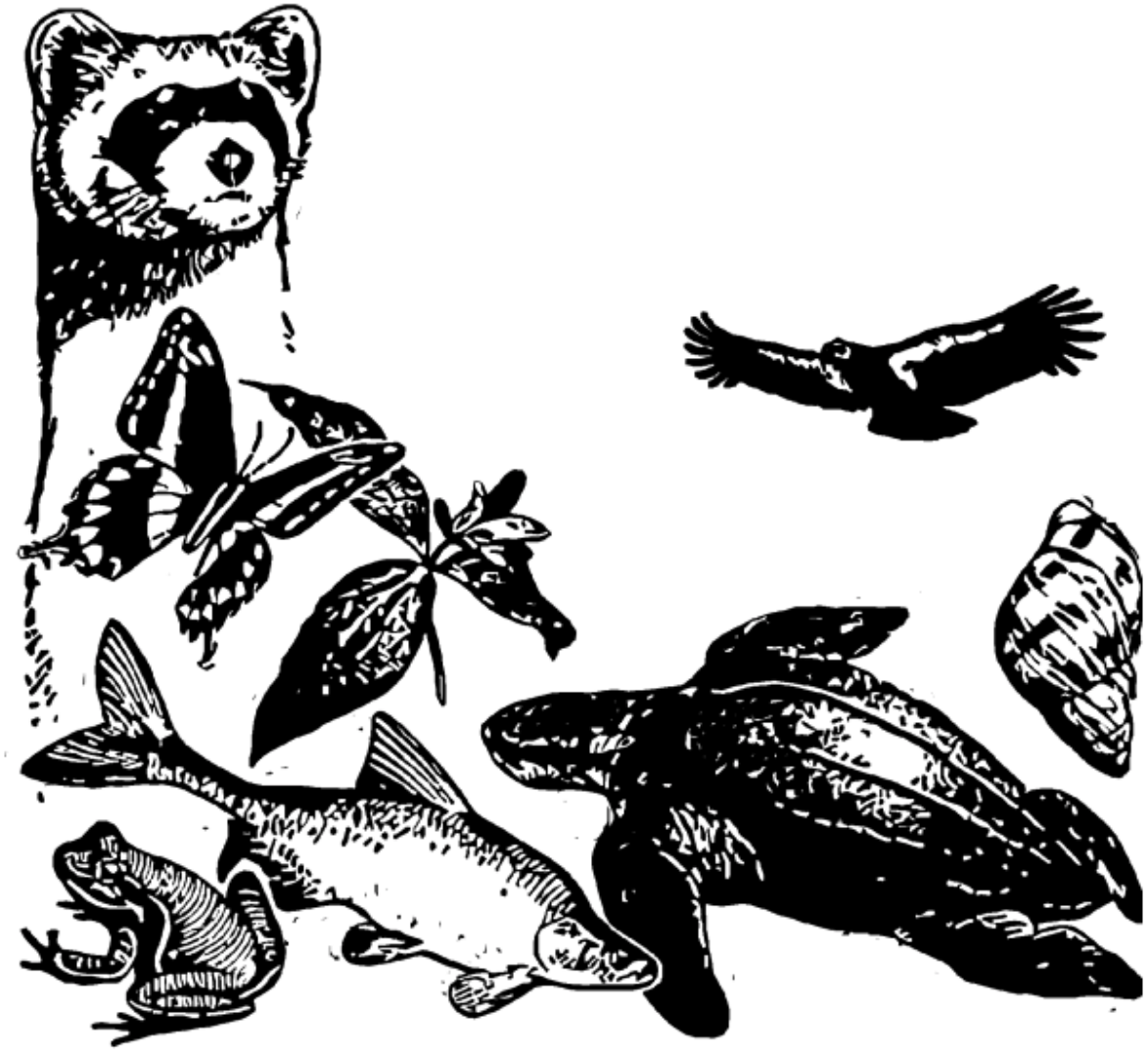
1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

14 West Broadway, South Boston Construction and Dewatering Project

IPaC Trust Resource Report

Generated December 15, 2015 12:19 PM MST, IPaC v2.3.2

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



IPaC - Information for Planning and Conservation (https://ecos.fws.gov/ipac/): A project planning tool to help streamline the U.S. Fish & Wildlife Service environmental review process.

US Fish & Wildlife Service

IPaC Trust Resource Report

NAME

14 West Broadway, South Boston Construction and Dewatering Project

LOCATION

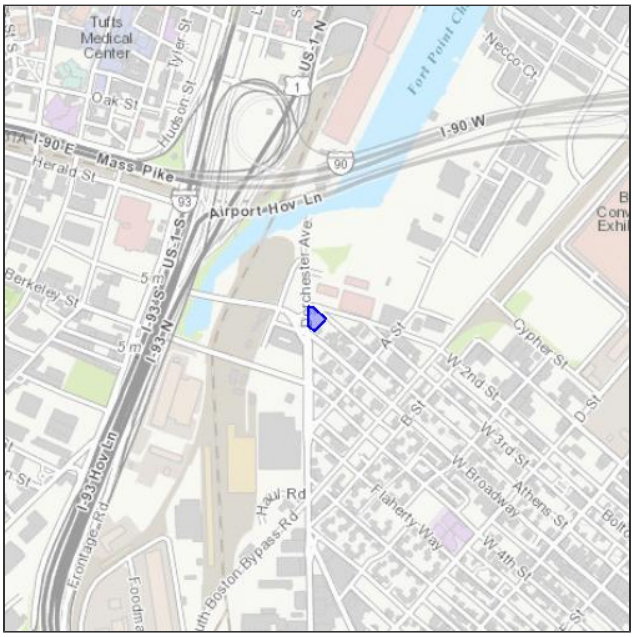
Suffolk County, Massachusetts

DESCRIPTION

The excavation of soils and groundwater dewatering for construction of housing and commercial businesses.

IPAC LINK

https://ecos.fws.gov/ipac/project/WYIEV-W4EJ5-GV3BA-III65-TVF74A



U.S. Fish & Wildlife Contact Information

Trust resources in this location are managed by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the Endangered Species Program of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require FWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list from the Regulatory Documents section in IPaC.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Red Knot Calidris canutus rufa — Threatened

CRITICAL HABITAT
No critical habitat has been designated for this species.

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DM

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service (1). There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

Additional information can be found using the following links:

- Birds of Conservation Concern
  http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Conservation measures for birds
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Year-round bird occurrence data
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/akn-histogram-tools.php

The following species of migratory birds could potentially be affected by activities in this location:

American Oystercatcher Haematopus palliatus — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G8

American Bittern Botaurus lentiginosus — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle Haliaeetus leucocephalus — Bird of conservation concern
Year-round
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black-billed Cuckoo Coccyzus erythropthalmus — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler Vermivora pinus — Bird of conservation concern
Season: Breeding

Canada Warbler Wilsonia canadensis — Bird of conservation concern
Season: Breeding

Hudsonian Godwit Limosa haemastica — Bird of conservation concern
Season: Migrating

Least Bittern Ixobrychus exilis — Bird of conservation concern
Season: Breeding

Olive-sided Flycatcher Contopus cooperi — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon Falco peregrinus — Bird of conservation concern
Season: Wintering
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe Podilymbus podiceps — Bird of conservation concern
Season: Breeding

Prairie Warbler Dendroica discolor — Bird of conservation concern
Season: Breeding

Purple Sandpiper Calidris maritima — Bird of conservation concern
Season: Wintering

Saltmarsh Sparrow Ammodramus caudacutus — Bird of conservation concern
Season: Breeding

Seaside Sparrow Ammodramus maritimus — Bird of conservation concern
Season: Breeding

Short-eared Owl Asio flammeus — Bird of conservation concern
Season: Wintering
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Snowy Egret Egretta thula — Bird of conservation concern
Season: Breeding

Upland Sandpiper Bartramia longicauda — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher Empidonax traillii — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush Hylocichla mustelina — Bird of conservation concern
Season: Breeding

Worm Eating Warbler Helmitheros vermivorum — Bird of conservation concern
Season: Breeding

Refuges

Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuges in this location

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

There are no wetlands in this location

Home ▾ Historic and Landmark Districts Mc

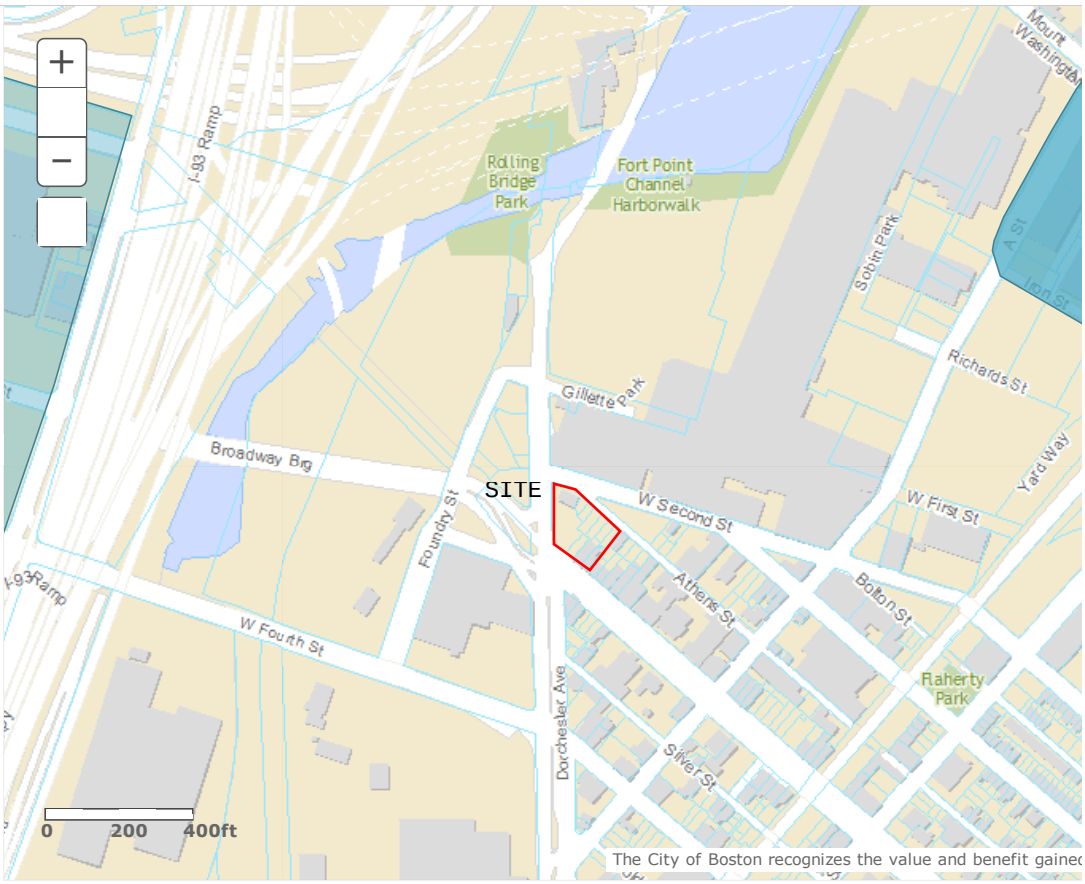
Details | Basemap | Share | Print | Measure | 14 W Broadway, South Boston, Mass

Legend

Local Historic Districts

- Local Historic District (LHD)
- LHD Protection Area

Individual Landmarks



The City of Boston recognizes the value and benefit gained


Fort Point Channel Landmark District And Protection Areas
0 100 200 300 400 500 Feet
This map is intended for informational puposes only.
N
Fort Point Channel Landmark District
"A" Street Protection Area
Seaport Blvd/Boston Wharf Rd Protection Area
Fort Point Channel
Children's Wharf Park
Harbonwalk
Atlantic Av
Dorchester Av
Northern Av
Seaport Blvd
Sleeper St
Farnsworth St
Thompson Pl
Calvin Pl
Stillings St
Boston Wharf Rd
East Service Rd
Congress St
Summer St
Melcher St
Necco Pl
Necco St
Necco Ct
Piers Way
West Service Haul Rd Cnctr
Wormwood St
Binford St
A St
Channel Center St
Medallion Av
Haul Rd
Iron St

ArcGIS ▾ Historic and Landmark Districts Mc

Details | Basemap | Share | Print | Measure | Find address or place