

II. Suggested Notice of Intent (NOI) Format

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

| | | |
|--|---|--|
| a) Name of facility: Bridgewater 750kw Wind Turbine Project | Mailing Address for the Facility: MBTA 100 Summer Street Boston, MA 02110 | |
| b) Location Address of the Facility (if different from mailing address): 0 Titicut Street Bridgewater, MA 02324 | Facility Location longitude: <u>70.56.45</u> latitude: <u>41.56.51</u> | Type of Business: Municipal Transit System Facility SIC codes: |
| c) Name of facility owner: <u>Massachusetts Bay Transit Authority</u> Owner's email: <u>jbriones@MBTA.com</u> Owner's Tel #: <u>(617) 222-4323</u> Owner's Fax #: _____ Address of owner (if different from facility address) Owner is (check one): 1. Federal _____ 2. State <input checked="" type="checkbox"/> 3. Private _____ 4. Other _____ (Describe) _____ | | |
| Legal name of Operator, if not owner: <u>D&C Construction Co., Inc</u> Operator Contact Name: <u>Duncan Peterson</u> Operator Tel Number: <u>(781) 871-8200</u> Fax Number: <u>(781) 871-8871</u> Operator's email: <u>duncan@dandcconstruction.com</u> Operator Address (if different from owner) 415-VFW Drive Rockland, MA 02370 | | |
| d) Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? <input checked="" type="checkbox"/> | | |
| e) Check Yes or No for the following: 1. Has a prior NPDES permit been granted for the discharge? Yes _____ No <input checked="" type="checkbox"/> If Yes, Permit Number: _____ 2. Is the discharge a "new discharger" as defined by 40 CFR Section 122.2? Yes <input checked="" type="checkbox"/> No _____ 3. Is the facility covered by an individual NPDES permit? Yes _____ No <input checked="" type="checkbox"/> If Yes, Permit Number _____ 4. Is there a pending application on file with EPA for this discharge? Yes _____ No <input checked="" type="checkbox"/> 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: Taunton River
State Water Quality Classification: non impaired Freshwater: yes Marine Water: _____

- 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 7000 GPD
Average Monthly Flow 7000 GPD

e.) What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH 6.5 Min pH 8.3

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?
Sediment Filtering

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) _____
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 _____
Is the discharge temporary? Yes No _____
If yes, approximate start date of dewatering 09/01/2016 approximate end date of dewatering _____

i.) Latitude and longitude of each discharge within 100 feet (See http://www.epa.gov/tri/report/siting_tool): Outfall 1: long. 70.56.45 lat. 41.56.51 ; 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 _____ 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 LC₅₀ 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? B

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: Bridgewater 750kw Wind Turbine

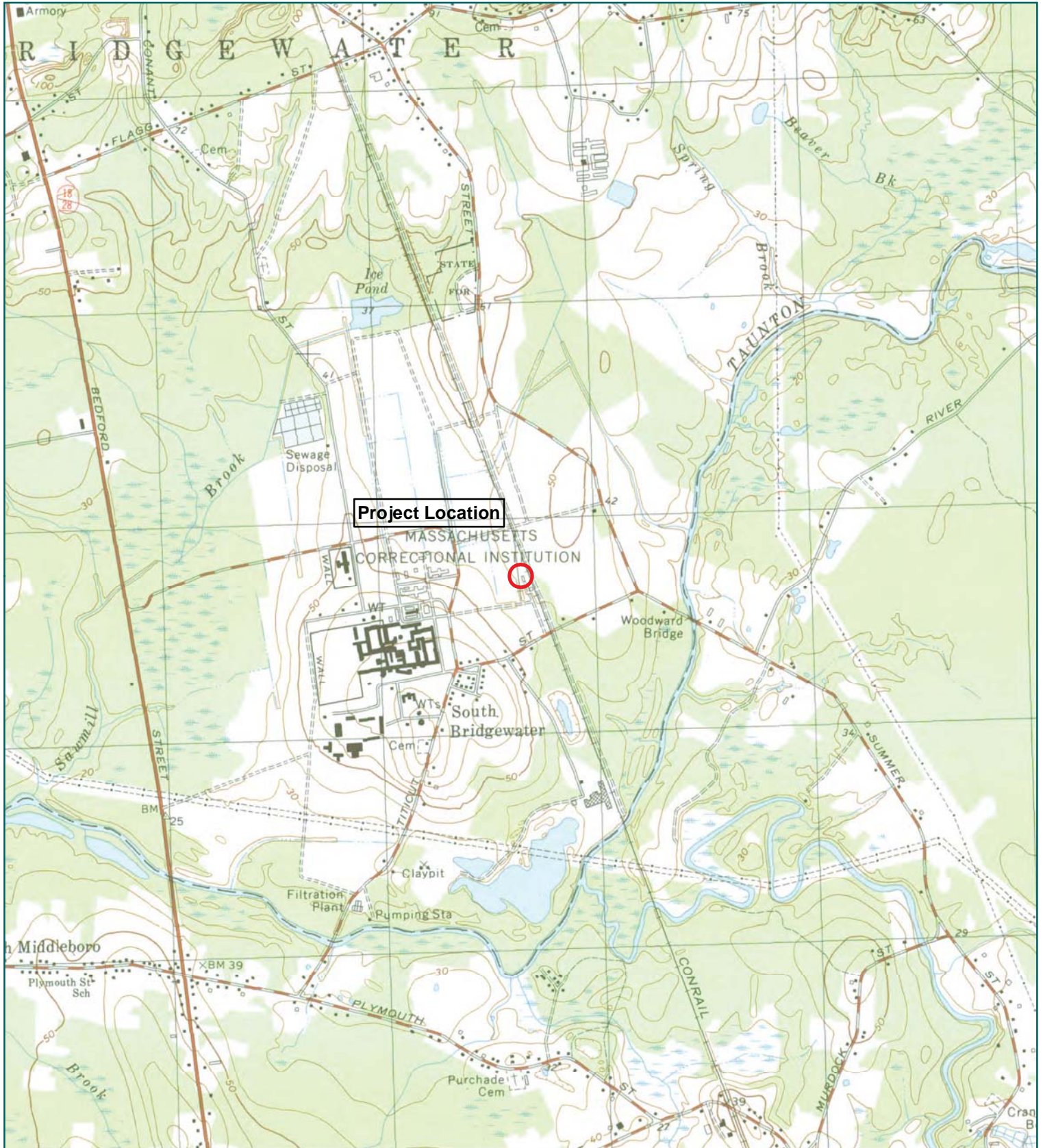
Operator signature: 

Print Full Name and Title: Duncan Peterson Vice President

Date: 07/22/2016

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.



 Project Location



Engineers | Scientists | Planners | Designers
101 Walnut Street, PO Box 9151, Watertown, MA 02471

Figure 1 – Site Location



**0 Titicut Street
Bridgewater, Massachusetts**



Project Location



 Project Location

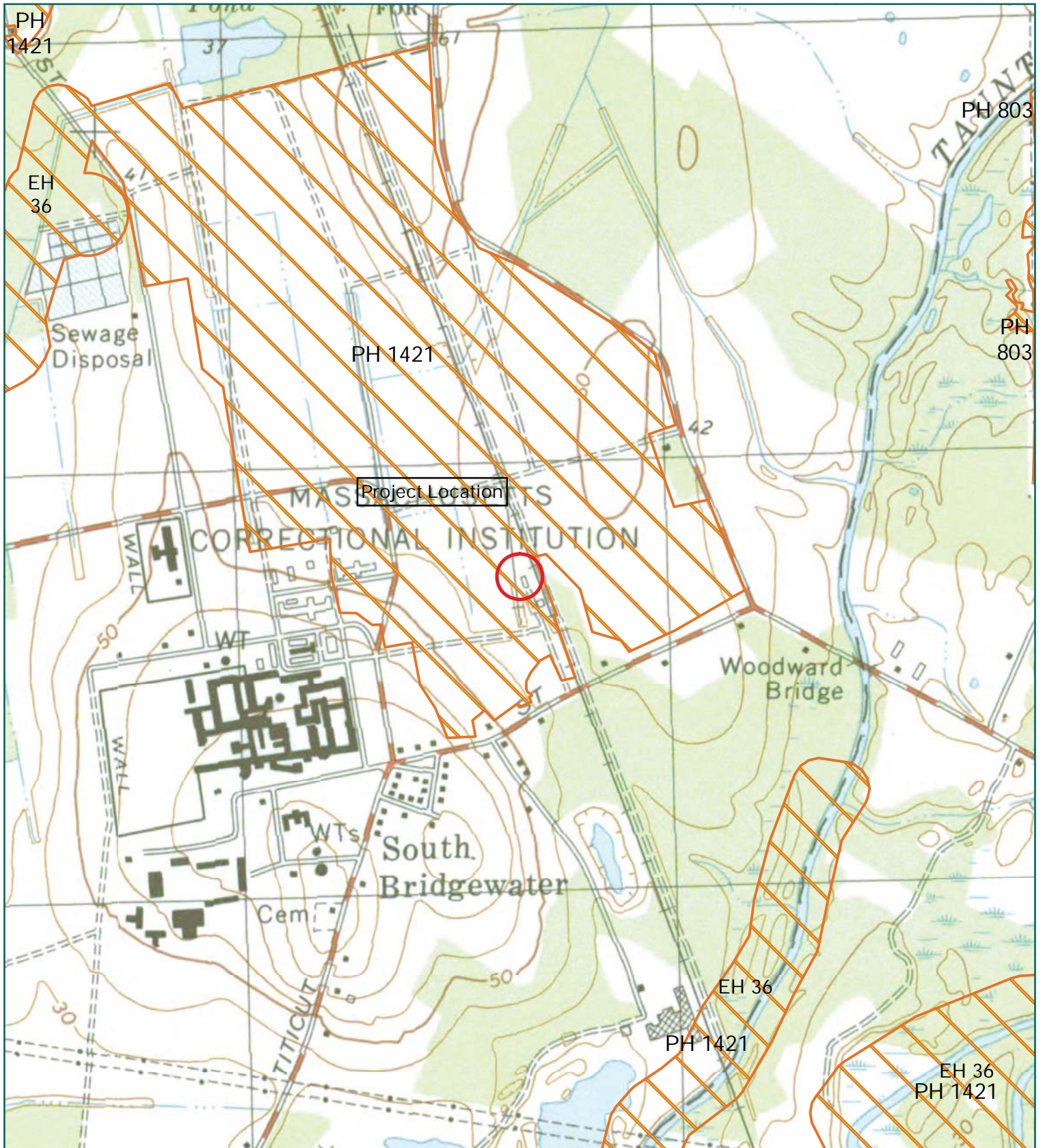


Engineers | Scientists | Planners | Designers
101 Walnut Street, PO Box 9151, Watertown, MA 02471

Figure 2 – Aerial

0 Titicut Street
Bridgewater, Massachusetts








-  Project Location
-  Certified Vernal Pool
-  NHESP Priority & Estimated Habitat

Figure 3 – NHESP

**0 Titicut Street
Bridgewater, Massachusetts**






-  Project Location
- FEMA National Flood Hazard Layer**
-  100-yr Floodplain
-  500-yr Floodplain



Figure 4 – FEMA FIRM

**0 Titicut Street
Bridgewater, Massachusetts**



Tuesday, June 21, 2016

Attn: Mr Adam Swederskas
GZA GeoEnvironmental Inc
249 Vanderbilt Ave
Norwood, MA 02062

Project ID: BRIDGEWATER WIND TURBINE
Sample ID#s: BN49851

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

June 21, 2016

SDG I.D.: GBN49851

Phoenix reporting levels may exceed those referenced in the CAM protocol. Please refer to criteria sheet for comparisons to requested MCP standards.



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

June 21, 2016

FOR: Attn: Mr Adam Swederskas
 GZA GeoEnvironmental Inc
 249 Vanderbilt Ave
 Norwood, MA 02062

Sample Information

Matrix: GROUND WATER
 Location Code: GZA-MA
 Rush Request: Standard
 P.O.#:

Custody Information

Collected by:
 Received by: LK
 Analyzed by: see "By" below

Date

06/07/16
 06/07/16

Time

9:15
 15:21

Laboratory Data

SDG ID: GBN49851
 Phoenix ID: BN49851

Project ID: BRIDGEWATER WIND TURBINE
 Client ID: BWT-GW1

| Parameter | Result | RL/ PQL | Units | Dilution | Date/Time | By | Reference |
|------------------------|-----------|------------|-------|----------|-----------|-----|-----------|
| Silver | < 0.001 | 0.001 | mg/L | 1 | 06/17/16 | LK | SW6010C |
| Arsenic | < 0.004 | 0.004 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Cadmium | < 0.001 | 0.001 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Chromium | < 0.001 | 0.001 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Copper | < 0.005 | 0.005 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Iron | < 0.010 | 0.010 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Mercury | < 0.0002 | 0.0002 | mg/L | 1 | 06/08/16 | RS | SW7470A |
| Nickel | 0.002 | 0.001 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Lead | < 0.002 | 0.002 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Antimony | < 0.005 | 0.005 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Selenium | < 0.010 | 0.010 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Zinc | < 0.002 | 0.002 | mg/L | 1 | 06/08/16 | LK | SW6010C |
| Mercury Digestion | Completed | | | | 06/08/16 | W/W | SW7470A |
| Total Metals Digestion | Completed | | | | 06/16/16 | AG | |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
 This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 21, 2016

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 21, 2016

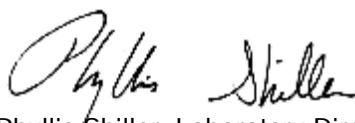
QA/QC Data

SDG I.D.: GBN49851

| Parameter | Blank | Blk RL | Sample Result | Dup Result | Dup RPD | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|--|-------|--------|---------------|------------|---------|-------|--------|---------|------|-------|--------|--------------|--------------|
| QA/QC Batch 348212 (mg/L), QC Sample No: BN49851 (BN49851) | | | | | | | | | | | | | |
| Mercury - Water | BRL | 0.0002 | <0.0002 | <0.0002 | NC | 93.6 | | | 95.2 | | | 75 - 125 | 30 |
| Comment: Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 75-125% | | | | | | | | | | | | | |
| QA/QC Batch 349338 (mg/L), QC Sample No: BN55911 (BN49851) | | | | | | | | | | | | | |
| <u>ICP Metals - Aqueous</u> | | | | | | | | | | | | | |
| Antimony | BRL | 0.005 | <0.005 | <0.005 | NC | 97.3 | | | 98.6 | | | 75 - 125 | 20 |
| Arsenic | BRL | 0.004 | <0.004 | <0.004 | NC | 92.2 | | | 93.7 | | | 75 - 125 | 20 |
| Cadmium | BRL | 0.001 | <0.001 | <0.001 | NC | 92.7 | | | 91.4 | | | 75 - 125 | 20 |
| Chromium | BRL | 0.001 | <0.001 | <0.001 | NC | 94.9 | | | 94.6 | | | 75 - 125 | 20 |
| Copper | BRL | 0.005 | <0.005 | <0.005 | NC | 95.1 | | | 97.7 | | | 75 - 125 | 20 |
| Iron | BRL | 0.010 | 0.055 | 0.055 | 0 | 94.3 | | | 93.5 | | | 75 - 125 | 20 |
| Lead | BRL | 0.002 | <0.002 | <0.002 | NC | 94.2 | | | 94.4 | | | 75 - 125 | 20 |
| Nickel | BRL | 0.001 | <0.001 | <0.001 | NC | 94.3 | | | 93.6 | | | 75 - 125 | 20 |
| Selenium | BRL | 0.010 | <0.010 | <0.010 | NC | 92.2 | | | 92.9 | | | 75 - 125 | 20 |
| Silver | BRL | 0.001 | <0.001 | <0.001 | NC | 94.9 | | | 96.8 | | | 75 - 125 | 20 |
| Zinc | BRL | 0.002 | <0.002 | <0.002 | NC | 93.0 | | | 94.1 | | | 75 - 125 | 20 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 June 21, 2016

Sample Criteria Exceedences Report

GBN49851 - GZA-MA

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|--------|-------|-----------------|----------|--------|----|----------|----------------|-------------------|
|--------|-------|-----------------|----------|--------|----|----------|----------------|-------------------|

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



MassDEP Analytical Protocol Certification Form

Laboratory Name: Phoenix Environmental Laboratories, Inc. **Project #:**

Project Location: BRIDGEWATER WIND TURBINE **RTN:**

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

BN49851

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below)

| | | | | | |
|--|---|--|--|---|--|
| 8260 VOC CAM II A <input type="checkbox"/> | 7470/7471 Hg CAM III B <input checked="" type="checkbox"/> | MassDEP VPH CAM IV A <input type="checkbox"/> | 8081 Pesticides CAM V B <input type="checkbox"/> | 7196 Hex Cr CAM VI B <input type="checkbox"/> | MassDEP APH CAM IX A <input type="checkbox"/> |
| 8270 SVOC CAM II B <input type="checkbox"/> | 7010 Metals CAM III C <input type="checkbox"/> | MassDEP EPH CAM IV B <input type="checkbox"/> | 8151 Herbicides CAM V C <input type="checkbox"/> | 8330 Explosives CAM VIII A <input type="checkbox"/> | TO-15 VOC CAM IX B <input type="checkbox"/> |
| 6010 Metals CAM III A <input checked="" type="checkbox"/> | 6020 Metals CAM III D <input type="checkbox"/> | 8082 PCB CAM V A <input type="checkbox"/> | 9012 Total Cyanide/PAC CAM V1 A <input type="checkbox"/> | 6860 Perchlorate CAM VIII B <input type="checkbox"/> | |

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 with method holding times? (* see narrative) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| B | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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"? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| E | 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? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> 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)? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Responses to questions G, H and I below is required for "Presumptive Certainty" status

| | | |
|---|---|---|
| G | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|---|---|---|

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? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| I | Were results reported for the complete analyte list specified in the selected CAM protocol(s)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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.

Authorized
Signature: _____

Ethan Lee

Date: Tuesday, June 21, 2016

Printed Name: Ethan Lee

Position: Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



MCP Certification Report

June 21, 2016

SDG I.D.: GBN49851

SDG Comments

BN49851 - The following analytes from the 6010 MCP Metals list were not reported: Barium, Beryllium, Thallium, Vanadium.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 06/08/16 09:22 Rick Schweitzer, Chemist 06/08/16

BN49851

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.

The initial calibration met all criteria including a standard run at or below the reporting level.

All calibration verification standards (ICV, CCV) met criteria.

All calibration blank verification standards (ICB, CCB) met criteria.

The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 348212 (BN49851)

BN49851

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 75-125%

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 06/08/16 06:18 Laura Kinnin, Chemist 06/08/16

BN49851

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 06/17/16 08:16 Laura Kinnin, Chemist 06/17/16

BN49851

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 349338 (BN55911)

BN49851



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Tel. (860) 645-1102 Fax (860) 645-0823



Certification Report

June 21, 2016

SDG I.D.: GBN49851

ICP Metals Narration

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Phoenix Environmental Laboratories, Inc.

587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102


Lab Sample Id
Collection Date
Client Id
Matrix

Project Id : BRIDGEWATER WIND TURBINE

| | CAS | Units | CMR-GW1 |
|----------------------|-----------|-------|---------|
| Metals, Total | | | |
| Antimony | 7440-36-0 | mg/L | 0.006 |
| Arsenic | 7440-38-2 | mg/L | 0.01 |
| Cadmium | 7440-43-9 | mg/L | 0.004 |
| Chromium | 7440-47-3 | mg/L | 0.1 |
| Copper | 7440-50-8 | mg/L | 10 |
| Iron | 7439-89-6 | mg/L | |
| Lead | 7439-92-1 | mg/L | 0.01 |
| Mercury | 7439-97-6 | mg/L | 0.002 |
| Nickel | 7440-02-0 | mg/L | 0.1 |
| Selenium | 7782-49-2 | mg/L | 0.05 |
| Silver | 7440-22-4 | mg/L | 0.007 |
| Zinc | 7440-66-6 | mg/L | 0.9 |

Result Detected 

RL Exceeds Criteria 

Result Exceeds Criteria 

BN49851
6/7/2016
BWT-GW1
Ground Water

| GW-1 | Result | RL |
|-------|----------|--------|
| 0.006 | < 0.005 | 0.005 |
| 0.01 | < 0.004 | 0.004 |
| 0.005 | < 0.001 | 0.001 |
| 0.1 | < 0.001 | 0.001 |
| | < 0.005 | 0.005 |
| | < 0.010 | 0.010 |
| 0.015 | < 0.002 | 0.002 |
| 0.002 | < 0.0002 | 0.0002 |
| 0.1 | 0.002 | 0.001 |
| 0.05 | < 0.010 | 0.010 |
| 0.1 | < 0.001 | 0.001 |
| 5 | < 0.002 | 0.002 |

Phoenix Environmental Laboratories, Inc.

587 East Middle Turnpike

P.O. Box 370

Manchester, CT 06040

(860) 645-1102

Lab Sample Id

BN49851

Sample Comments

No Comments



Commonwealth of Massachusetts

Division of Fisheries & Wildlife

MassWildlife

Wayne F. MacCallum, *Director*

February 27, 2015

Massachusetts Bay Transportation Authority
10 Park Plaza
Room 5750
Boston MA 02116

Bridgewater Conservation Commission
Memorial Building, 25 South Street
Bridgewater MA 02324

RE: Applicant: Massachusetts Bay Transportation Authority
 Project Location: 0 Titicut Street
 Project Description: Wind Turbine
 DEP Wetlands File No.: 116-1332
 NHESP File No.: **12-30918**

Dear Commissioners & Applicant:

The Natural Heritage & Endangered Species Program of the Massachusetts Division of Fisheries & Wildlife (the "Division") received a Notice of Intent with site plans (dated January 2015, revised 2/4/2015) in compliance with the rare wildlife species section of the Massachusetts Wetlands Protection Act Regulations (310 CMR 10.59). The Division also received the MESA Review Checklist and supporting documentation for review pursuant to the MA Endangered Species Act Regulations (321 CMR 10.18).

WETLANDS PROTECTION ACT (WPA)

Based on a review of the information that was provided and the information that is currently contained in our database, the Division has determined that this project, as currently proposed, **will not adversely affect** the actual Resource Area Habitat of state-protected rare wildlife species. Therefore, it is our opinion that this project meets the state-listed species performance standard for the issuance of an Order of Conditions.

Please note that this determination addresses only the matter of **rare** wildlife habitat and does not pertain to other wildlife habitat issues that may be pertinent to the proposed project.

MASSACHUSETTS ENDANGERED SPECIES ACT (MESA)

Based on a review of the information that was provided and the information that is currently contained in our database, the Division has determined that this project, as currently proposed, **will not result in a prohibited "take"** of state-listed rare species. This determination is a final decision of the Division of Fisheries and Wildlife pursuant to 321 CMR 10.18. Any changes to the proposed project or any additional work beyond that shown on the site plans may require an additional filing with the Division pursuant to the MESA. This project may be subject to further review if no physical work is commenced within five years from the date of issuance of this determination, or if there is a change to the project.

www.mass.gov/nhesp

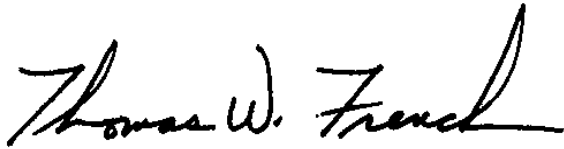
Division of Fisheries and Wildlife

Field Headquarters, One Rabbit Hill Road, Westborough, MA 01581 (508) 389-6300 Fax (508) 389-7890

An Agency of the Department of Fish and Game

Please note that this determination addresses only the matter of state-listed species and their habitats. If you have any questions regarding this letter please contact Emily Holt, Endangered Species Review Assistant, at (508) 389-6385.

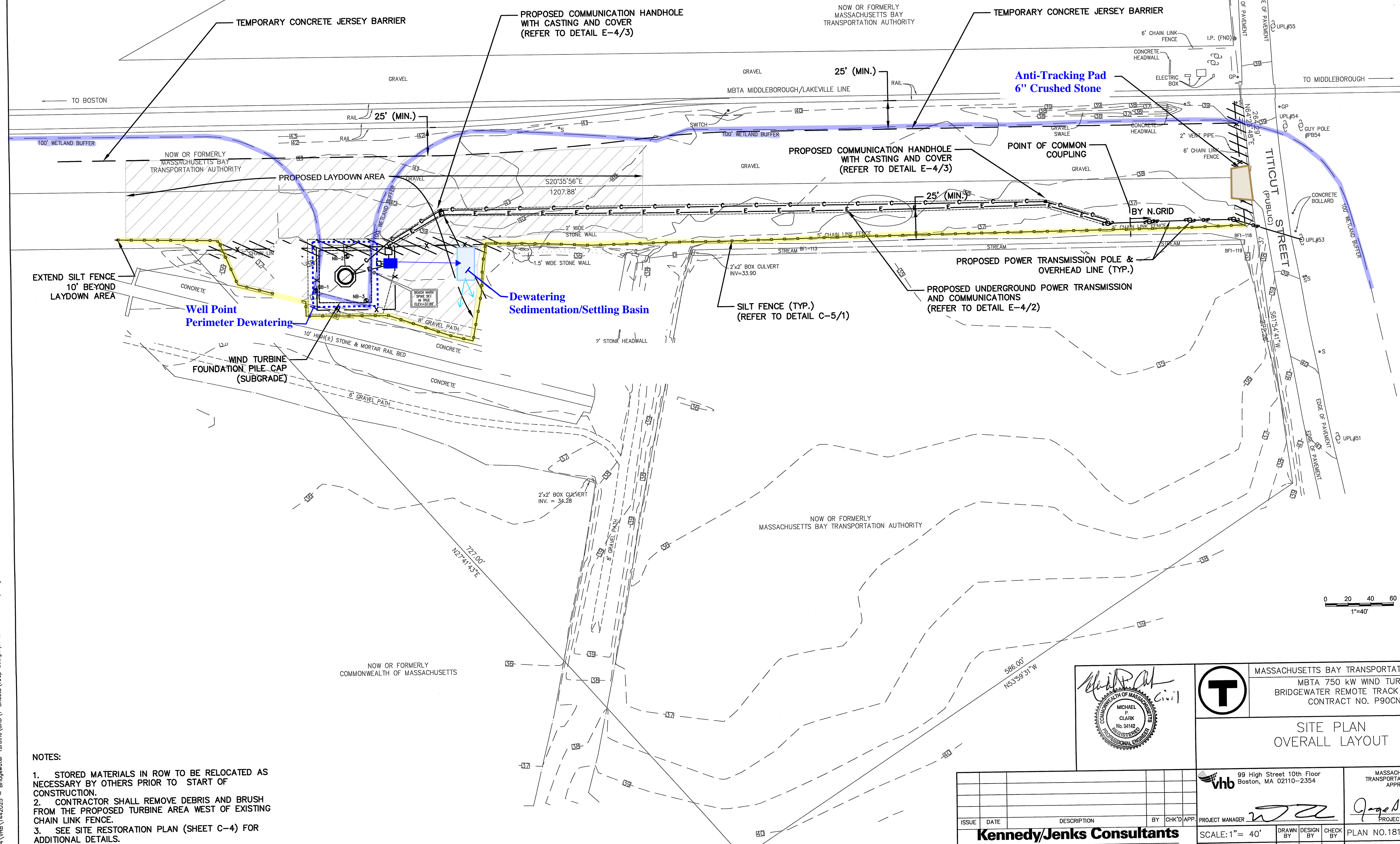
Sincerely,

A handwritten signature in black ink that reads "Thomas W. French". The signature is written in a cursive style with a large, sweeping flourish at the end of the name.

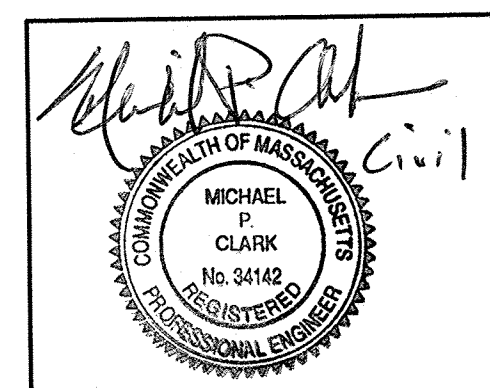
Thomas W. French, Ph.D.
Assistant Director

cc: Meredith Avery, Vanasse Hangen Brustlin, Inc.
MA DEP Southeast Region

Attachment 1



- NOTES:**
1. STORED MATERIALS IN ROW TO BE RELOCATED AS NECESSARY BY OTHERS PRIOR TO START OF CONSTRUCTION.
 2. CONTRACTOR SHALL REMOVE DEBRIS AND BRUSH FROM THE PROPOSED TURBINE AREA WEST OF EXISTING CHAIN LINK FENCE.
 3. SEE SITE RESTORATION PLAN (SHEET C-4) FOR ADDITIONAL DETAILS.



T MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
 MBTA 750 kW WIND TURBINE
 BRIDGEWATER REMOTE TRACK LOCATION
 CONTRACT NO. P90CN01

**SITE PLAN
 OVERALL LAYOUT**

| | | | |
|--|-----------------------------------|---|-------------------------------|
| 99 High Street 10th Floor Boston, MA 02110-2354 | | MASSACHUSETTS BAY TRANSPORTATION AUTHORITY APPROVED BY | |
| PROJECT MANAGER | SCALE: 1" = 40' DATE: 9/1/2015 | DRAWN BY: JDS DESIGN BY: BGW CHECK BY: MPC | PLAN NO. 181366 SHEET: C-2 |

Kennedy/Jenks Consultants
 Engineers & Scientists