

November 20, 2020

Job No. 2018-0006

Nicholas Moreno, Agent  
Boston Conservation Commission  
1 City Hall Square, Room 709  
Boston, MA 02201

Sent via Mail and email: [Nicholas.moreno@boston.gov](mailto:Nicholas.moreno@boston.gov)

**Re: Notice of Intent Application: Supplemental Information**  
Proposed Installation Monitoring Instrumentation for Stone Living Lab  
UMass Boston, Applicant  
Rainsford Island and Surrounding Waters in Boston Harbor  
Boston, MA  
Parcel ID# 0107064000

Dear Commission Members:

Per your request, please find attached the following supplemental information for the above referenced project:

- Revised Plan entitled “Installation and Maintenance of Scientific Monitoring Instruments for Stone Living Lab”, revision date 11/19/2020
- Email correspondence with NHESP, dated 11/20/2020

The revised plan shows the research base outside of the waterfront area and the construction access route for research base. Per the Commissions request, we are also providing the following spill contingency plan for fuel needed to power equipment during construction of the research base and to power the generator for ongoing use of the research base.

*Spill Contingency Plan*

- All fuels needed during construction of the research base will be stored in a metal container located outside of the floodplain and wetland resources
- Once the research base is complete, the fuels will be stored in a metal fireproof box, outside and adjacent to the research base structure
- A spill kit will be maintained on the island at all times. The kit will contain personal protective equipment, absorbents and clean-up materials.
- In the event of a spill, all clean up materials will be placed in secure packages and taken off island to be processed at UMass Boston.

If possible, we would like to be scheduled for the December 2, 2020 public hearing. If you have any questions or require additional information, please call me at 508-495-6225 or send an email to [lfields@woodsholegroup.com](mailto:lfields@woodsholegroup.com).



Sincerely,

*Leslie Fields*

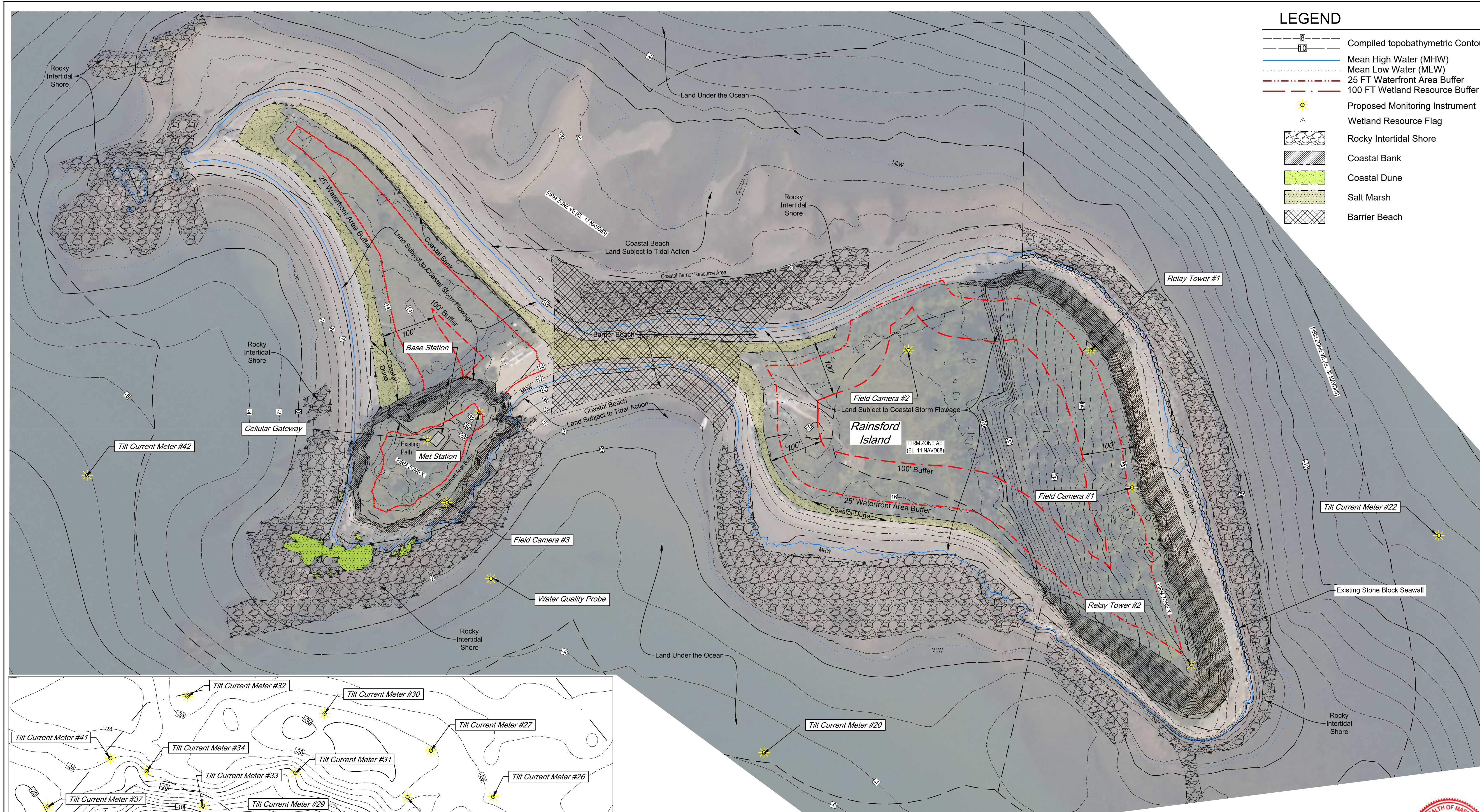
Leslie Fields  
Coastal Geologist/Project Manager

MLF/beg

Enclosures: as stated

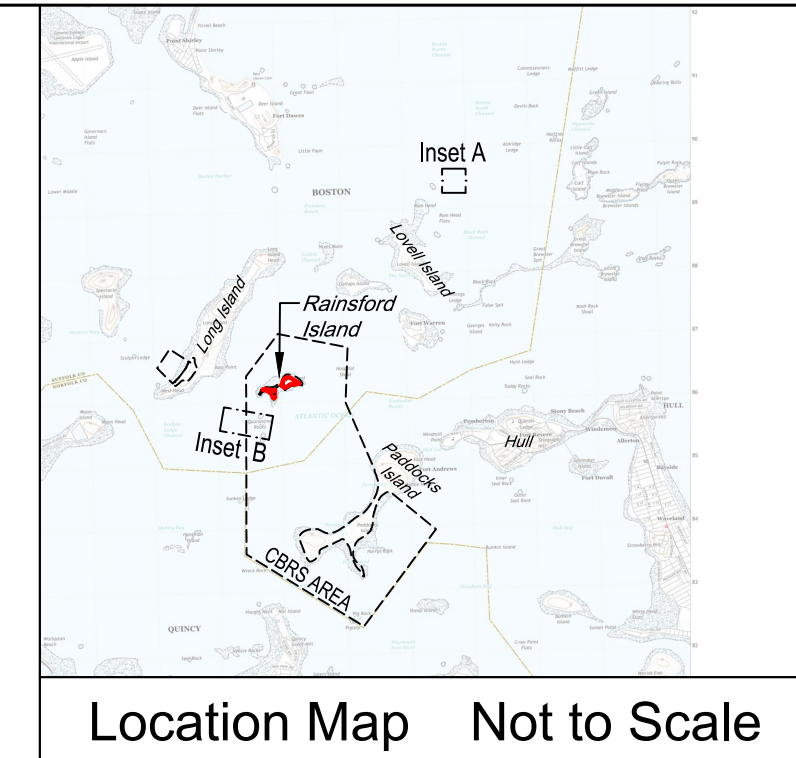
cc: Mass. DEP/NERO – Wetlands: [NERO\\_NOI@mass.gov](mailto:NERO_NOI@mass.gov)  
MA Division of Fisheries & Wildlife – NHESP  
Francesco Peri, UMass Boston  
Paul Kirshen, UMass Boston  
Joe Bagley, City of Boston Archaeologist





**LEGEND**

- 8, 10: Compiled topobathymetric Contours
- Blue line: Mean High Water (MHW)
- Blue dashed line: Mean Low Water (MLW)
- Red dashed line: 25 FT Waterfront Area Buffer
- Red solid line: 100 FT Wetland Resource Buffer
- Yellow star: Proposed Monitoring Instrument
- Green star: Wetland Resource Flag
- Stippled pattern: Rocky Intertidal Shore
- Dark grey pattern: Coastal Bank
- Light green pattern: Coastal Dune
- Yellow-green pattern: Salt Marsh
- White pattern: Barrier Beach



**Engineering Drawing Notes:**

**Parcel ID:**  
0107064000

**Property Owner:**  
City of Boston  
1 City Hall Square  
Boston, MA 02201

Property is within the Boston Harbor Islands National Recreation Area

**Applicant:**  
UMASS Boston  
100 Morrissey Boulevard  
Boston, MA 02125

**Flood Note:**  
Flood Zones VE & AE, Elevations 33, 17 and 14 from FEMA FIRM Panel 25023C0025J & 25025C0112J dated 3/16/2016

**Survey Notes:**  
Wetland resource survey was conducted on October 14, 2020 by Woods Hole Group.  
Compiled topobathymetric data and 2017 orthophotograph provided by NOAA.  
Additional planimetric details provided by MassGIS.

**Datum Notes:**  
Elevations are referenced to Boston City Base datum (BCB)  
MHW Elevation = 10.79 ft BCB (4.33 NAVD88)  
MLW Elevation = 1.30 ft BCB (-5.16 NAVD88)  
Conversion to Boston City Base = NAVD88 + 6.46 ft  
Horizontal Coordinate Datum is NAD83 (USFT).

**Permit Plan:**  
This plan is for permitting purposes only. The plan describes the location of components of the full scope of the project; however, the contractor shall coordinate with the engineer for detailing prior to providing a bid on this project. Additional details are included in the Notice Of Intent filing package prepared by Woods Hole Group.

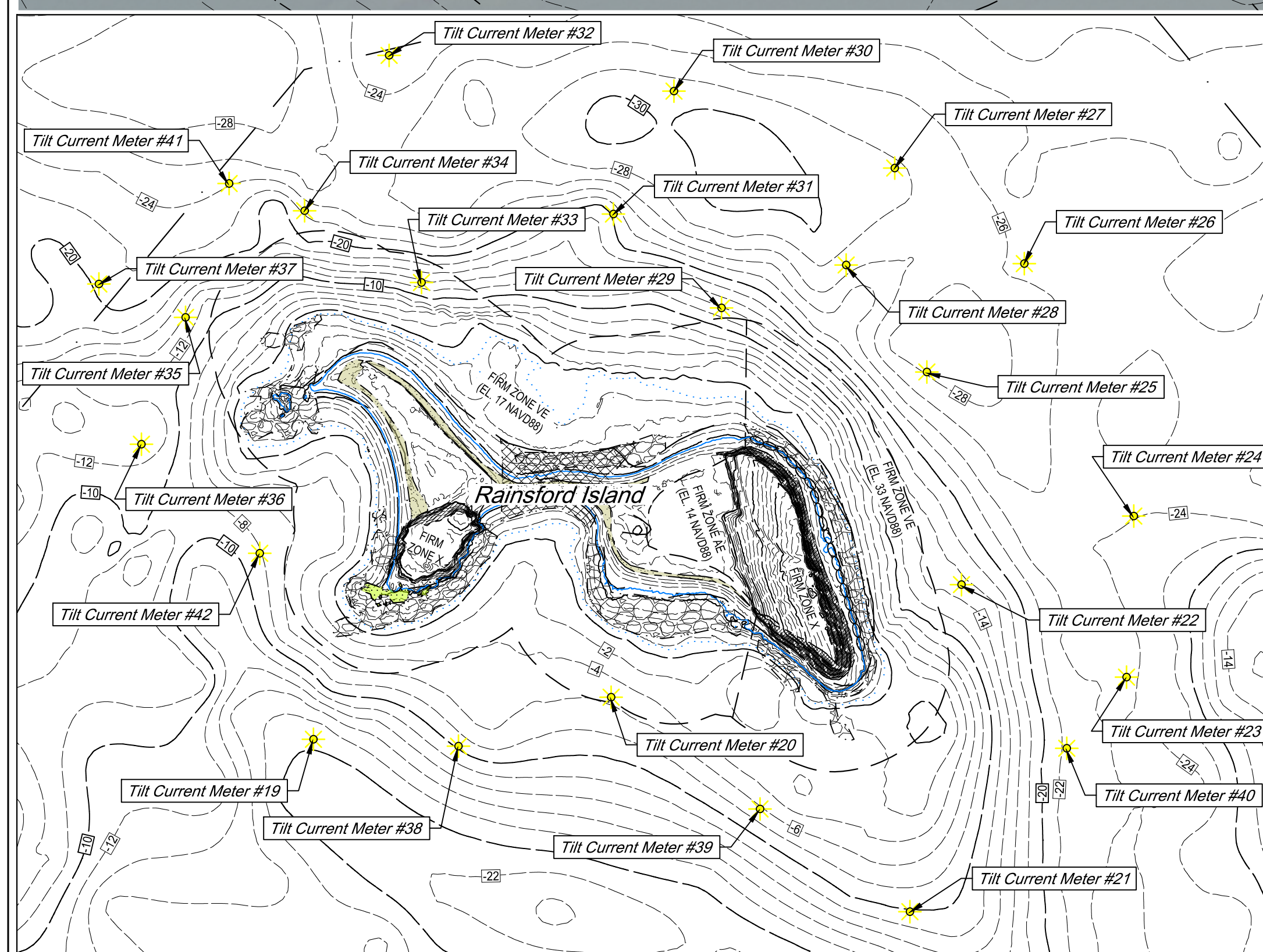
**General Notes:**

- Performance of work shall be in compliance with the plan, project documents, and the Order of Conditions issued by the Boston Conservation Commission for the referenced project as described herein.
- The purpose of this project is for the collection of scientific data using instrumentation and equipment as shown on the plan and described in the application documents. The proposed work includes the installation of instruments to measure waves, water levels, currents, water quality parameters, meteorological data, shoreline and vegetation changes.
- All installation of instruments will be completed by hand.
- The instruments shall be inspected periodically throughout the duration of the installation.
- The entire site is located within the Priority Habitats of Rare Species and Estimated Habitats of Rare Wildlife in accordance with the Massachusetts Natural Heritage Atlas, 14th Edition.

**WOODS HOLE GROUP**  
A C.L.S. COMPANY  
107 WATERHOUSE ROAD, BOURNE, MA 02532  
TELEPHONE: (508) 546-8866 FAX: (508) 546-1001

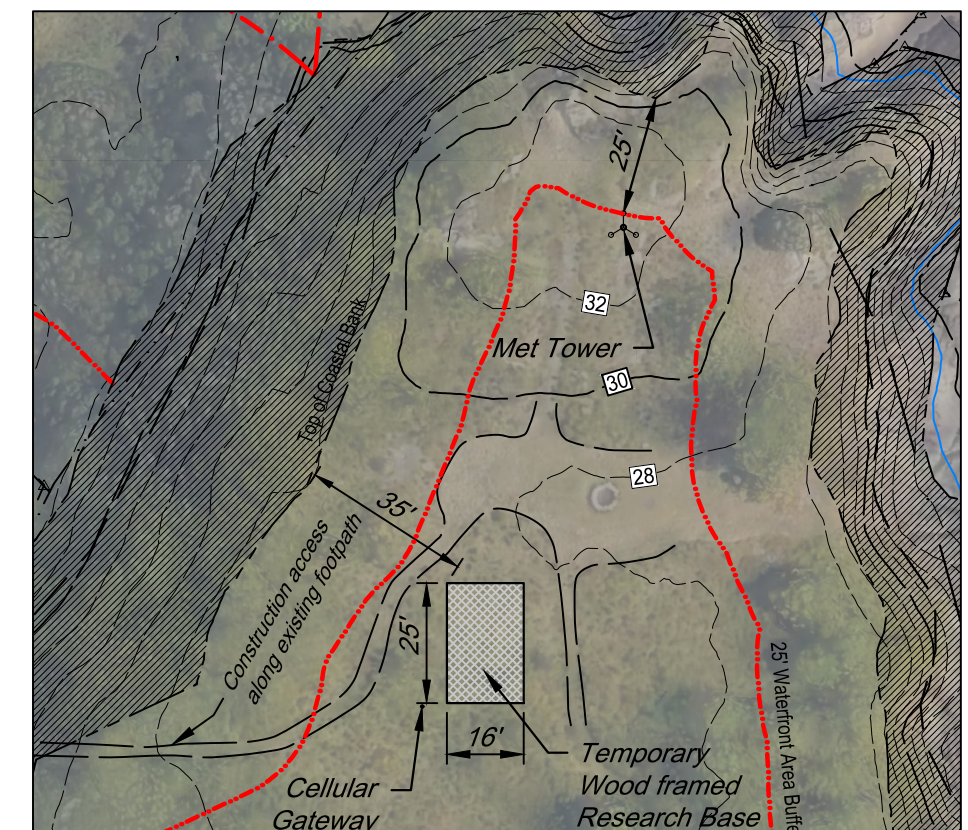
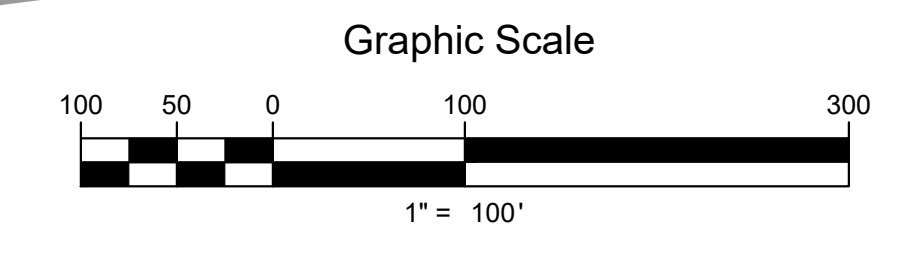
Date	Revisions
11/19/2020	1. Additional labels and detail Research Base Station area
11/19/2020	2. Relocate Research Base Station and indicate access
	3.
	4.
	5.
	6.
	7.

**Surveyed By:**  
Woods Hole Group, Inc.  
107 Waterhouse Road  
Bourne, MA 02532

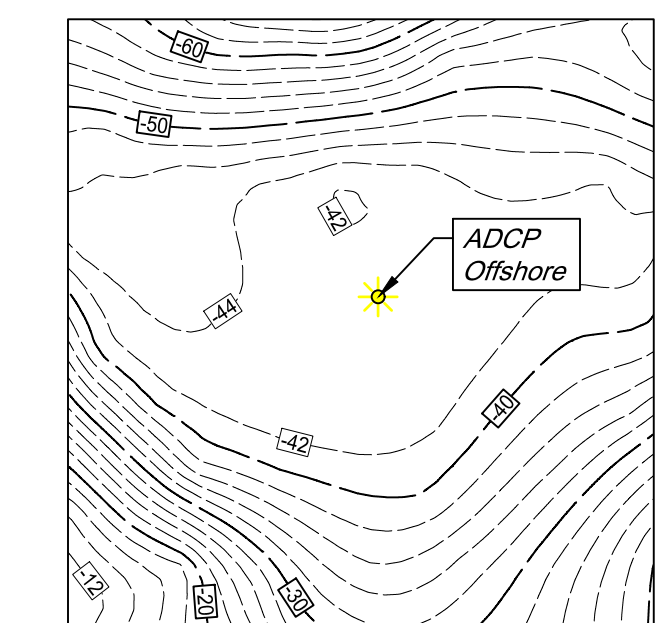


**Overview of Tilt Current Meter Locations**  
Scale: 1" = 400'

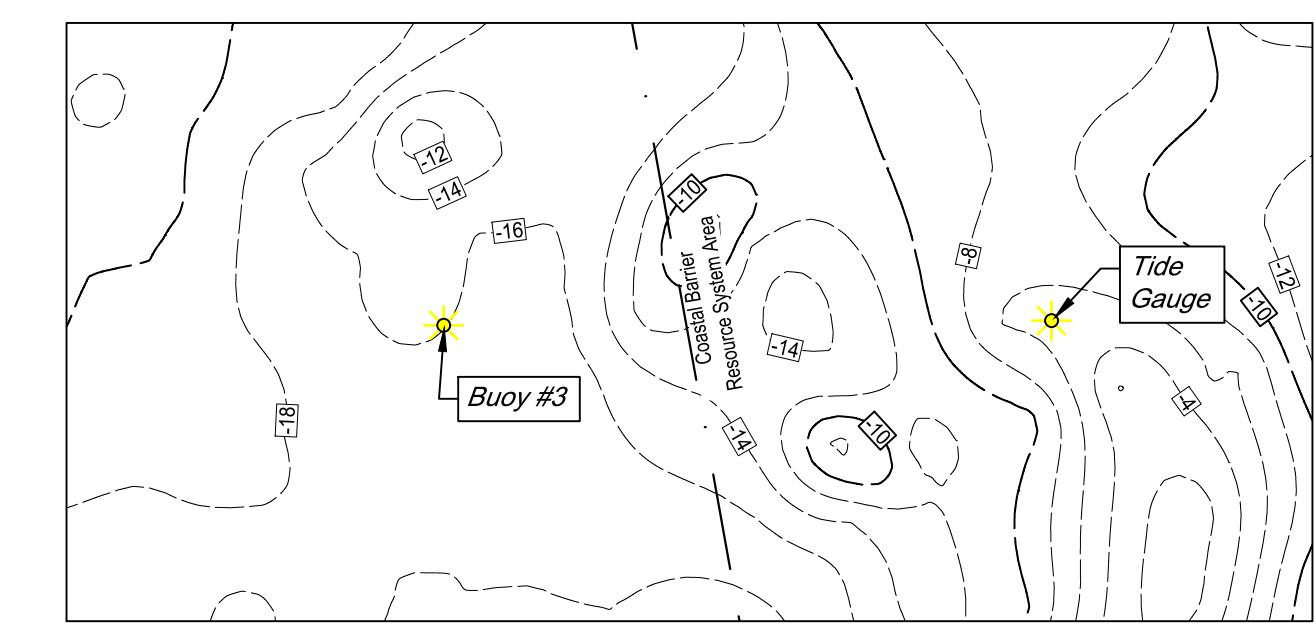
**Rainsford Island Monitoring Instruments**  
Scale: 1" = 100'



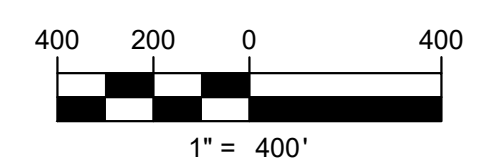
**Detail of Research Base Area**  
Scale: 1" = 40'



**Inset A**  
Scale: 1" = 400'



**Inset B**  
Scale: 1" = 400'



*Handwritten signature and initials*

**Title:**  
Installation and Maintenance of Scientific Monitoring Instruments for Stone Living Lab  
Rainsford Island, Boston, MA

Project Number: 2018-0006
2018-0006_SP.dwg
Scale: As Shown
Date: 10/16/2020
Approved:
Drawn: JRK



## Gurney Beth

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**From:** Fields Leslie  
**Sent:** Friday, November 20, 2020 1:35 PM  
**To:** Hoenig, Amy (FWE)  
**Cc:** Nicholas Moreno  
**Subject:** RE: Rainsford Island, Boston - NHESP #20-39275

Amy,

The project team is planning to use an ATV for construction of the research base only. It will take about 2 weeks for the base to be built. Once construction is complete, the ATV will be transported back to the mainland. Materials for all the other instrumentation will be transported by foot to their locations. Once installed, maintenance of the instruments will likely bring scientists to the island 1-2 times per month. This NOI is just for the monitoring program and the resiliency experiments will be covered under a separate NOI, to be filed sometime next spring.

Let me know if you have any more questions.  
Leslie

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**From:** Hoenig, Amy (FWE) <amy.hoenig@state.ma.us>  
**Sent:** Friday, November 20, 2020 12:11 PM  
**To:** Fields Leslie <lfields@woodsholegroup.com>  
**Cc:** Nicholas Moreno <nicholas.moreno@boston.gov>  
**Subject:** RE: Rainsford Island, Boston - NHESP #20-39275

Leslie –

Thank you for the clarifications. Can you specify whether there will be ATV type equipment for construction? Would this type of equipment remain on the island for accessing various research components? Also, can you elaborate on the frequency of access that is associated with, what would be, the ongoing research?

I'm working to design a condition to avoid a Take relative to access and I want to ensure I understand the scope of access that is anticipated.

Best,

**Amy Hoenig**

Endangered Species Review Biologist  
Natural Heritage & Endangered Species Program  
Massachusetts Division of Fisheries & Wildlife  
1 Rabbit Hill Road, Westborough, MA 01581  
Temporary Phone: (508) 506-1926  
p: (508) 389-6364 | e: [Amy.Hoenig@mass.gov](mailto:Amy.Hoenig@mass.gov)  
[mass.gov/masswildlife](http://mass.gov/masswildlife) | [facebook.com/masswildlife](https://facebook.com/masswildlife)

**Important:** Our offices are currently closed and all non-essential state employees are working remotely, which includes Environmental Review staff. We continue to process applications and respond to inquiries and correspondence as quickly as possible. Thank you for your patience. Please visit our website ([www.mass.gov/nhesp](http://www.mass.gov/nhesp)) for updates.

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**From:** Fields Leslie <[lfields@woodsholegroup.com](mailto:lfields@woodsholegroup.com)>  
**Sent:** Thursday, November 19, 2020 3:27 PM  
**To:** Hoenig, Amy (FWE) <[Amy.Hoenig@mass.gov](mailto:Amy.Hoenig@mass.gov)>  
**Cc:** Nicholas Moreno <[nicholas.moreno@boston.gov](mailto:nicholas.moreno@boston.gov)>  
**Subject:** RE: Rainsford Island, Boston - NHESP #20-39275

**CAUTION:** This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Amy,

Below are answers to your questions about the Stone Living Lab NOI for installation and maintenance of monitoring instruments:

1. At this time the project does not include a wind generator. We had originally envisioned a wind generator as a stand alone instrument, but securing it without disturbance to the ground was problematic. I realize the NOI application references a wind generator on the research base, but this was listed in error, and we are not proposing to install a wind generator.
2. Vessels with construction materials for the research base and the land-based instrumentation will land on the beach that faces southwest. All materials will be transported across the beach to an existing footpath that leads to the elevated landform where the research base is proposed. This access route crosses the southeast corner of the pocket beach and follows the existing path across a coastal bank. The attached Google Earth image shows the proposed access route. The site plans will also be updated to show the access route.

Please let me know if you have any additional questions.

Thanks,  
Leslie

M. Leslie Fields  
Senior Coastal Geologist, CFM  
Woods Hole Group  
107 Waterhouse Road  
Bourne, MA 02532  
Tel: 508-495-6225  
Fax: 508-540-1001  
Cell: 508-274-8109  
[www.woodsholegroup.com](http://www.woodsholegroup.com)



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**From:** Hoenig, Amy (FWE) <[amy.hoenig@state.ma.us](mailto:amy.hoenig@state.ma.us)>  
**Sent:** Monday, November 16, 2020 3:01 PM  
**To:** Fields Leslie <[lfields@woodsholegroup.com](mailto:lfields@woodsholegroup.com)>  
**Cc:** Nicholas Moreno <[nicholas.moreno@boston.gov](mailto:nicholas.moreno@boston.gov)>  
**Subject:** Rainsford Island, Boston - NHESP #20-39275

Hi Leslie –

Hope you are well. I'm in the process of reviewing the NOI/MESA filing for the above project. I have a few questions regarding the proposal and access/construction. For context, this site has previously been utilized by a colonial nesting, state-listed Special Concern species.

1. Can you provide specifics regarding the wind generator (e.g. what type of wind generator, size, specs, location of installation, etc.)?
2. Regarding the construction access, are there specific landing locations and access routes? If a small atv type equipment will be utilized, is it anticipated to be the same path/route?

Thank you,

**Amy Hoenig**

Endangered Species Review Biologist  
Natural Heritage & Endangered Species Program  
Massachusetts Division of Fisheries & Wildlife  
1 Rabbit Hill Road, Westborough, MA 01581  
Temporary Phone: (508) 506-1926  
p: (508) 389-6364 | e: [Amy.Hoenig@mass.gov](mailto:Amy.Hoenig@mass.gov)  
[mass.gov/masswildlife](http://mass.gov/masswildlife) | [facebook.com/masswildlife](https://facebook.com/masswildlife)

**Important:** Our offices are currently closed and all non-essential state employees are working remotely, which includes Environmental Review staff. We continue to process applications and respond to inquiries and correspondence as quickly as possible. Thank you for your patience. Please visit our website ([www.mass.gov/nhesp](http://www.mass.gov/nhesp)) for updates.