



State of Rhode Island and Providence Plantations
Coastal Resources Management Council
 Oliver H. Stedman Government Center
 4808 Tower Hill Road, Suite 3
 Wakefield, RI 02879-1900

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PUBLIC NOTICE

File Number: 2019-03-046 Date: March 14, 2019

This office has under consideration the application of:

Carol Olmstead
 2 Old Farm Road
 Norwood, MA 02062

for a State of Rhode Island Assent to construct and maintain: an experimental coastal erosion control structure consisting of a dune/dike with an ELCORock geosynthetic sand container core. The core will be covered with sand and planted with American Beachgrass. Sand shall come from an upland source. The structure shall be monitored for three years after installation or event of failure. If the structure fails all geosynthetic components shall be removed and the sand distributed on the beach. See attached for more detail.

Project Location:	33 Atlantic Avenue
City/Town:	Westerly
Plat/Lot:	175 / 15
Waterway:	Block Island Sound

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before April 15, 2019.

Item 4 – Work Plan

1. Contact Town of Westerly for permission to use hydrant water, install flow meter and back flow preventer on hydrant
2. Establish vertical benchmark to establish elevations for ElcoRock installation
3. Lay hose from hydrant to sand water slurry mixing location
4. Locate flatbed truck (29' length) in front yard area to for sand water slurry mixing box
5. Lay down and connect hoses from hydrant, and from slurry mixing box to ElcoRock installation location
6. Set-up booster pump for conveying sand water slurry to installation location (if needed, depends on water pressure from hydrant)
7. Deliver ElcoRock containers to site
8. Mobilize skid steer and mini excavator to job site, move excavator to installation location
9. Deliver initial load of sand to front yard staging area
10. Commence mixing of sand water slurry and filling of containers
11. Once all containers are installed, deliver sand to cover ElcoRock containers as per drawing. Sand will be delivered to front yard area and moved by skid steer unit or walk behind Dingo to cover installation

Installation equipment to be used will be the following –

12. Mini Excavator JD 26G
13. Skid Steer JD 323 E
14. Dingo 1000

Equipment Access Locations with Access Agreements

15. Access will be per the attached aerial photograph with all access through the Olmstead property

Potential Impact to Adjacent Properties

16. All construction work will be confined to the Olmstead property. The ElcoRock containers will be tied into the rock revetment on the south or east end. On the east end the ElcoRock will return back to the north at the property line.
17. We do not anticipate any adverse effects. We believe due to the permeability of the ElcoRock containers they may actually help to reduce wave reflection impacts from the rock revetment on the east side.

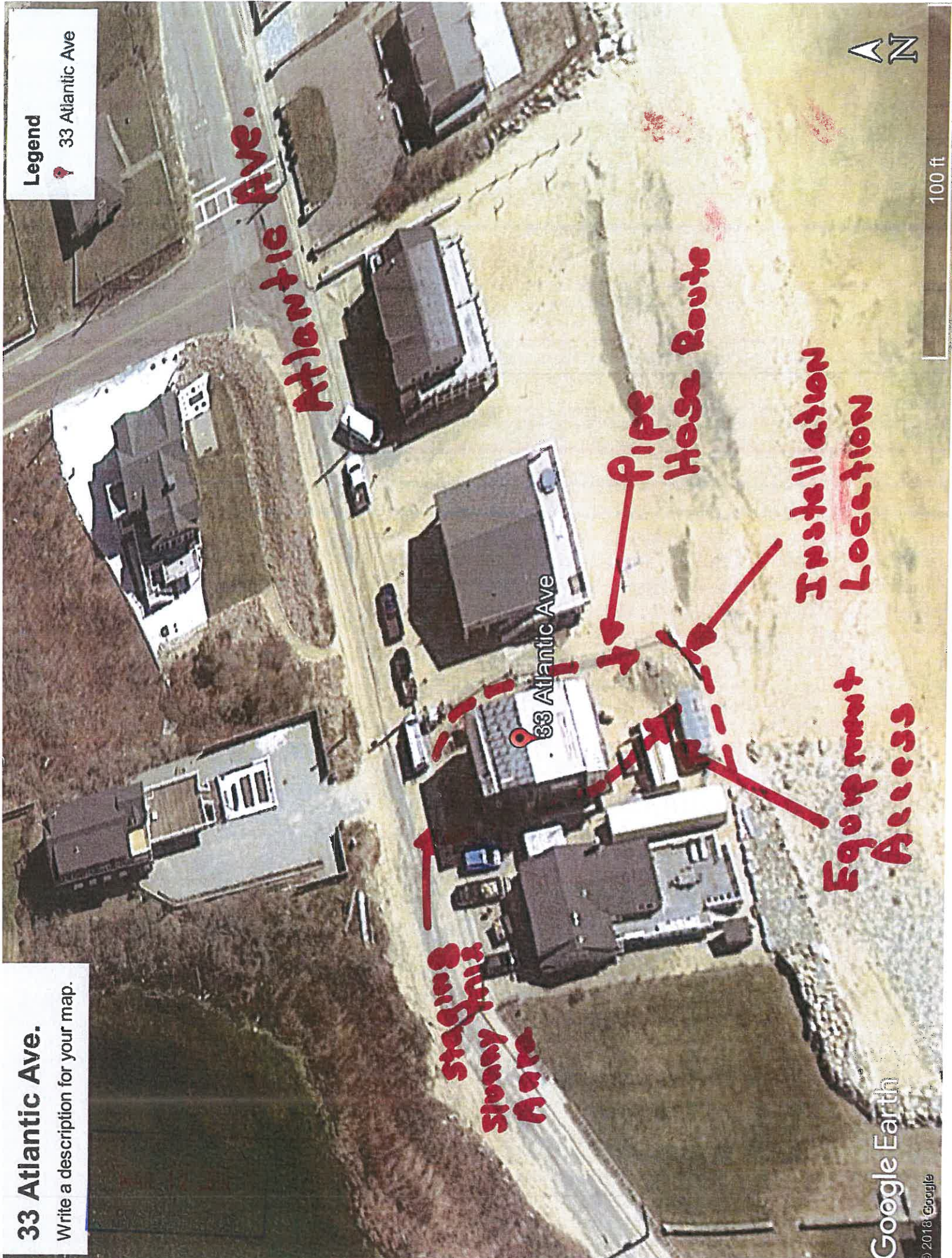


33 Atlantic Ave.

Write a description for your map.

Legend

📍 33 Atlantic Ave

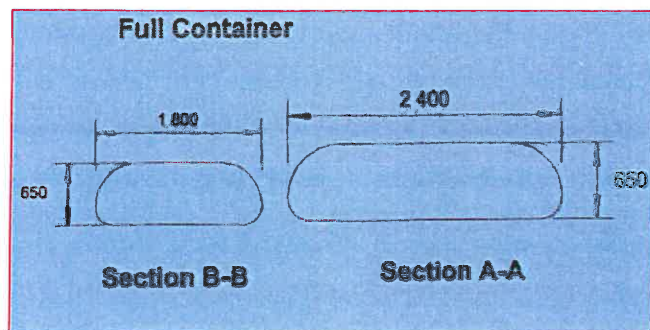
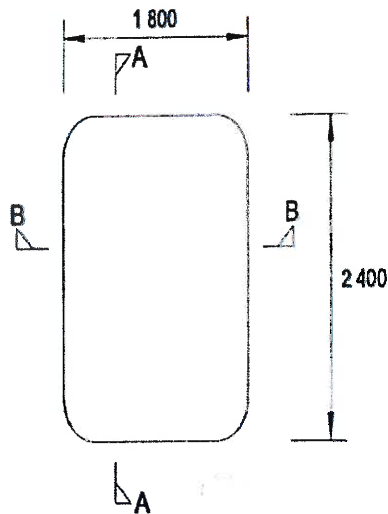


Item 2E

The proposed system involves the installation of ElcoRock geotextile erosion containers. The ElcoRock is a sand filled geotextile container comprised of two layers of geotextile fabrics. The inner layer is polyester, and the outer layer is vandal deterrent UV stabilized polypropylene. The ElcoRock container is highly permeable allowing the uprush of waves and surf to flow through the container thus significantly reducing wave reflection.

The proposed container size is 2.5 cubic meter in volume (3.27 cy) and holds approximately 5.75 tons of sand per container. The physical dimensions of the container are 2400 mm (7.87 feet) by 1800 mm (5.9 feet) x 650 mm (2.13 feet). The containers are laid end to end to form the coastal protection system. To reduce the potential for differential settlement a geotextile layer is placed on the bottom of the installation (Mirafi 140N or equivalent).

2.5m³ ELCORock Dimensions



The ElcoRock container is filled with beach compatible sand (screened sand with less than 10% passing a no. 200 mesh sieve. Sand will be supplied from an off-site borrow source, and delivered by truck to the site. The container will be filled hydraulically from the front yard of the property (please see attached aerial of the site). Water will be supplied from a nearby fire hydrant or from the ocean using a pumping system. Water will flow to a sand water slurry mixing box with sand then added to the mixing box to create the sand water slurry. The sand water slurry will be then be pumped to the fill sleeve for each envelope at the installation location. Pipes and hoses will be laid from the mixing location to the ElcoRock container filling point.

Equipment for the work will involve a mini-excavator to excavate for the bottom terrace level, and a skid steer to feed the slurry mixing box located on a flatbed truck in the front yard/driveway area. We will coordinate with the Town of Westerly regarding delivery of the sand and use of the nearby fire hydrant.

