



TOWN OF TRURO

Conservation Commission

PUBLIC MEETING AGENDA

Monday, October 2, 2023
Meeting start time 5:00

Remote Meeting Access Instructions

This will be a remote meeting. Citizens can view the meeting on Channel 8 in Truro and on the Town's web site on the "Truro TV Channel 8" button under "Helpful Links" on the homepage. Once the meeting has started, click on the green "Watch" button in the upper right of the page. **To provide comment during the meeting, please call-in toll free at 1 646-931-3860 and enter the following Meeting ID when prompted: Meeting ID: 895 3065 4082** To join this Zoom meeting from your computer, tablet or smartphone <https://us02web.zoom.us/j/89530654082> Please note that there may be a slight delay (15-30 seconds) between the meeting and the live-stream (and television broadcast). If you are watching the meeting and calling in, please lower the volume on your computer or television during public comment so that you may be heard clearly. We ask that you identify yourself when calling in; citizens may also provide public comment for this meeting by emailing the Conservation Agent at abeebe@truro-ma.gov with your comments.

I. PUBLIC HEARINGS: The Truro Conservation Commission holds the following public hearings in accordance with the provisions of MGL Ch. 131, s. 40, the Wetlands Protection Act and the Truro Conservation Bylaw, Chapter 8:

1. **Notice of Intent: 544 Shore Road, Beach Townhomes Condominium Trust (SE#75-1171):** install bulkhead; Barrier Beach, Coastal Beach, Coastal Dune, Land Subject to Coastal Storm Flowage (Map 7, Parcel 5) *continued from 9/11/2023*
2. **Notice of Intent: 522 Shore Road, Sutton Place Condominium (SE#75-1187):** coastal stabilization; Barrier Beach, Coastal Dune, and Land Subject to Coastal Storm Flowage. (Map 7, Parcel 8) *continued from 9/11/2023*
3. **Notice of Intent: 525 Shore Road Unit 7, Paul & Cheryl Silvernail (SE#75-1180):** After-the-fact filling; construction of retaining wall & creation of lawn: Barrier Beach, Coastal Dune, Land Subject to Coastal Storm Flowage (Map 6, Parcel 5.7) *continued from 9/11/2023*
4. **Notice of Intent: 566 Shore Road Ocean Breeze Condominium (SE#75-1186):** shoreline stabilization; Barrier Beach, Coastal Dune, and Land Subject to Coastal Storm Flowage. (Map 5, Parcel 29) *continued from 9/11/2023*

II. ADMINISTRATIVE MATTERS

5. **Field Change:** 6 Castle Rd; SE# 75-1175
6. **Field Change:** 8 Great Hills Rd; SE# 75-1182
7. Recommendation of Article for the Fall Special Town meeting October 21, 2023- Stormwater Management Bylaw
8. **Minutes**

Site visits: Commissioners will meet at Town Hall on Monday, October 2, 2023, at 10:00 AM and proceed to:

- 1.) 522 Shore Road
- 2.) 525 Shore Road, Unit 7
- 3.) 566 Shore Road





Nina Richey

From: Arozana Davis
Sent: Thursday, September 28, 2023 3:40 PM
To: Emily Beebe
Cc: Nina Richey
Subject: FW: 544 Shore Rd

Nina,

Can you print this continuance request for the CC packets for the 544 Shore Rd filing – thank you!

Arozana



Arozana Davis,
RS/REHS
Asst. Health &
Conservation Agent

PHONE: 508-214-0202
EMAIL: adavis@truro-ma.gov
WEB: www.truro-ma.gov
ADDRESS Town of Truro
24 Town Hall Rd
PO Box 2030
Truro, MA 02667



From: Brian Madden <BMadden@lecenvironmental.com>
Sent: Thursday, September 28, 2023 1:22 PM
To: Arozana Davis <ADavis@truro-ma.gov>
Subject: RE: 544 Shore Rd

Hi Arozana,

Thanks for checking in. On behalf of the Applicant, LEC respectfully requests a continuance to the November 6th Public Hearing. Please kindly confirm receipt.

Thanks,
Brian

Please note that I will be out of the office Oct 4-6.

On the Rail with LEC! [September Adventure: Cape Cod Rail Trail – South Yarmouth to Wellfleet, MA](#)

Brian T. Madden
Senior Wildlife/Wetland Scientist
LEC Environmental Consultants, Inc.
12 Resnik Road, Suite 1, Plymouth, MA 02360
Office: 508.746.9491

Cell: 508.364.1662



From: Arozana Davis <ADavis@truro-ma.gov>
Sent: Thursday, September 28, 2023 9:31 AM
To: Brian Madden <BMadden@lecenvironmental.com>
Subject: 544 Shore Rd

Hi Brian,

Just checking in on the filing for 544 Shore Rd. Do you have any additional documents for the Commission's Oct. 2 meeting?

-Arozana



**Arozana
Davis,
RS/REHS**
Asst. Health &
Conservation Agent

PHONE: 508-214-0202
EMAIL: adavis@truro-ma.gov
WEB: www.truro-ma.gov
ADDRESS Town of Truro
24 Town Hall Rd
PO Box 2030
Truro, MA 02667



This communication may contain privileged or other confidential information. If you are not the intended recipient, or believe that you have received this communication in error, please do not print, copy, retransmit, disseminate, or otherwise use the information. Also, please indicate that to the sender and delete the copy you received. When writing or responding, please remember that the Secretary of State's Office has determined that email is a public record. Please take notice: All e-mail communications sent or received by persons using the Town of Truro network may be subject to disclosure under the Massachusetts Public Records Law (M.G.L. Chapter 66, Section 10) and the Federal Freedom of Information Act

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

2

Conservation Commission
TOWN OF TRURO

SEP 12 2023

522 SHORE RD





**TOWN OF TRURO
CONSERVATION COMMISSION**

P.O. Box 2030
Truro MA 02666-0630

Conservation Commission Meeting Minutes, December 7, 2020

Commissioners Present: Chair Jack McMahon, Commissioners Larry Lown, Linda Noons-Rose, and Carol Girard-Irwin; **Absent:** Vice-Chair Bob White, Deborah McCutcheon & Linda Noons-Rose. **Others Present:** Emily Beebe, Conservation Agent

The meeting and public hearings were called to order at 5:30 at the Truro Town Hall and virtual instructions were given.

Notice of Intent: 4 Kill Devil Rd, Peter Rhoades, SE# 75-1102 (continued from 11/2/2020): David Lajoie of FELCO, Inc., presented revised plans that proposed the removal and replacement of the existing beach stairs (with 2 platforms and a removable bottom section). The proposal also included a boardwalk from the top platform of the beach stairs, to the east towards the back of the property. Messinger questioned if the boardwalk was raised. Mr. Lajoie confirmed and explained that it was 24" off the ground. Messinger questioned the size of the lower platform; Mr. Lajoie stated that it was 4'x4'. The Agent suggested that the narrative from the Applicant and the notes on the FELCO plan be incorporated into the Order as conditions. In addition, she discussed conditioning the replenishment of the Coastal Dune and re-grading once the stairs were repaired. She suggested adding enough material (sand) to fill the dip in the grade and create a uniform grade. Once filled, jute matting shall be staked and the area re-planted with American Beach Grass. The material used shall have grain size that is compatible with existing sand. The Agent noted that the matter of the resource delineation is not a settled matter at this location. Mr. Rhoades questioned whether the walkway should be 3' wide instead of 4' wide. Mr. Lajoie explained that the 4' width is standard. The Agent suggested conditioning the Order to say that the boardwalk shall not be wider than 4'.

Motion: Girard-Irwin moved to approve the proposal with conditions discussed; **second** by Messinger. **Vote: 4-0-0.**

Notice of Intent: 522 Shore Rd, Sutton Place, SE#75-1106 (continued from

11/2/2020): Stan Humphries, of ECR, read a narrative addressing the concerns the Commission had at the prior meeting. He stated that the sturdy serpentine design would set an example of what could be used in the future. He explained that an 8' opening will be left in front of unit 10 for machine/material access; a removable section of fence will be placed 3' seaward of that location. The project will also include beach nourishment which consisted of 120 cubic yards of compatible sand to be placed in between the proposed fence and the eroded dune face during the initial project. Mr. Humphries proposed that for the following years after the initial install, that if the sand is not at least ½ the fence height or a minimum of 2' above existing grade, they will replenish with 120 cubic yards. No nourishment in front of the fence will be required. **The project will also include planting beach grass.** Lown questioned the difference between materials in the

existing serpentine fences in Truro and the proposed fence. Mr. Humphries stated that instead of 2x3 slats, there will be 4x4 slats with connecting members at the top and bottom. The posts will be 8" in diameter, 10' long, and 6' down into the ground. Lown expressed concern over setting precedence for more of these fences along the coastline. The Agent stated that this specific property is unique and that there are few tools that the property owners can use to protect the property and the buildings; further, area landward of the proposed fence, has been destroyed by pedestrian use. The Agent asked Mr. Humphries to either propose conditions for the use of the area that would protect it (such as a land use plan) and allow the land to heal, thereby supporting the proposed fence project. Mr. Humphries said he would talk with the trustees. The Commission continued to discuss the use of the land in between the homes and the fence proposal. Lown questioned the number of access paths to the beach; Mr. Humphries informed him that there were two. McMahon described how beach grass helps protect the environment from erosion through sediment accrual. Mr. Humphries requested a continuance. **Motion:** Lown moved to continue the hearing to the January 4, 2021 meeting. **Seconded** by Messinger. **Vote: 4-0-0**

Notice of Intent: 503 Shore Rd. Unit 21, Jean Marzilli, SE#75-1083 (continued from 11/2/2020):

Motion: Girard-Irwin moved to continue the hearing to the January 4, 2021 meeting. **Seconded** by Messinger. **Vote:4-0-0**

Notice of Intent: 23 Corn Hill Landing, Steven Pinker, SE#75-1107: Steve Phillips, of Geiger Phillips, described the project: 10' addition to garage (~140 sq ft), two-story addition on the south side of dwelling (~333 sq ft.). Mr. Phillips apologized for not proposing mitigation with his filing. He discussed topics that were brought up at the site visit earlier that day, such as why the addition isn't between the road and the front of the house. He stated that it was a heavily vegetated area and that they don't want to destroy the existing habitat. Another issue that was brought up at the site visit was the topping of vegetation that had occurred without permitting. Mr. Phillips suggested rectifying this by adding some woody plants from the Commission's approved plant list, within the 50' buffer zone. He stated that the homeowner was open to other mitigation suggestions. McMahon noted that if Mr. Phillips put the addition on the roadside of the house, most of the work would be out of their jurisdiction. He also noted American beach grass, juniper virginiana, and scrub pine exist in the area of the proposed bedroom addition and that the 50' buffer zone is already heavily vegetated. He suggested moving the addition to the roadside of the house. Messinger agreed. The Agent commented that reducing some of the existing developed area in the buffer zone could create an "exchange of square footage" with regards to the proposed addition. She noted that a landscape plan would add benefit to the proposal. Mr. Phillips request a continuance. McMahon suggested giving up the deck extension and garage expansion. Girard-Irwin questioned the lack of measurements with regards to the deck expansion. Mr. Phillips replied that he did not have that number at the moment.

Motion: Girard-Irwin moved to continue the hearing to January 4, 2021. **Seconded** by Messinger. **Vote: 4-0-0**



**TOWN OF TRURO
CONSERVATION COMMISSION**

P.O. Box 2030
Truro MA 02666-0630

Conservation Commission Meeting Minutes: January 4, 2021

Commissioners Present: Chair Jack McMahon, Commissioners Larry Lown, Bob White, Carol Girard-Irwin, Diane Messinger, & Linda Noons-Rose **Absent:** Commissioners Deborah McCutcheon **Others Present:** Emily Beebe, Conservation Agent

The meeting and public hearings were called to order at 5:00 at the Truro Town Hall and virtual instructions were given.

Notice of Intent: 522 Shore Rd. Sutton Place. SE#75-1106 (continued from

12/7/2020): Stan Humphries, of ECR, presented additional detail on the proposal to construct a sturdy serpentine fence. The additional information describes the preservation of beach access and dune enhancement. A sketch plan shows the vegetated area will be expanded by planting beach grass and beach plums. Two seating areas were proposed. Commissioner McMahon felt that the plan would help to protect the dune form and plantings. Commissioner Messinger asked if the open area between the units and proposed sand fence would be all sand. Mr. Humphries confirmed. The Agent asked the height of the snow fence. Mr. Humphries confirmed that it would be 4' snow fence, slightly dug in. Commissioner Girard-Irwin asked if the seating areas would contain a picnic bench and/or permanent furniture; Mr. Humphries replied in the negative and explained that the area would be more transitory. The Agent noted that there is one 8' fence section that is removable. Mr. Humphries confirmed that it will only be removed for maintenance. The following conditions were suggested: 1.) the 8' removable fence section shall only be removed for maintenance purposes; 2.) every spring for the 3-year validity of the Order, the applicant shall replenish the area behind the sand drift fence, as needed, with beach sand and American beach grass; 3.) an annual report of activities shall be submitted along with before and after pictures; 4.) the Conservation Department shall be notified 48 hrs before any repair work is done on the snow fencing and/or the sand drift fence; 5.) only clean and compatible sand shall be used for replenishment; 6.) construction specifications and plan shall be incorporated into the Order; 7.) 2-gallon beach plums shall be planted, 4' apart, with temporary irrigation.

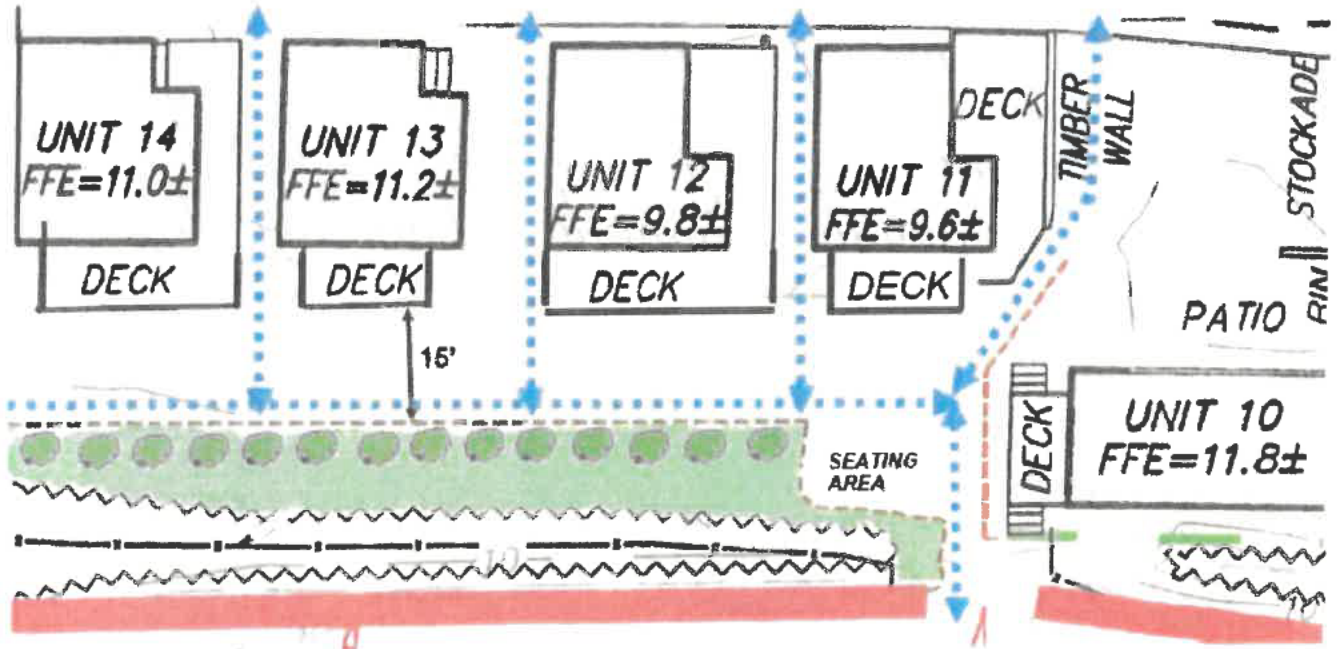
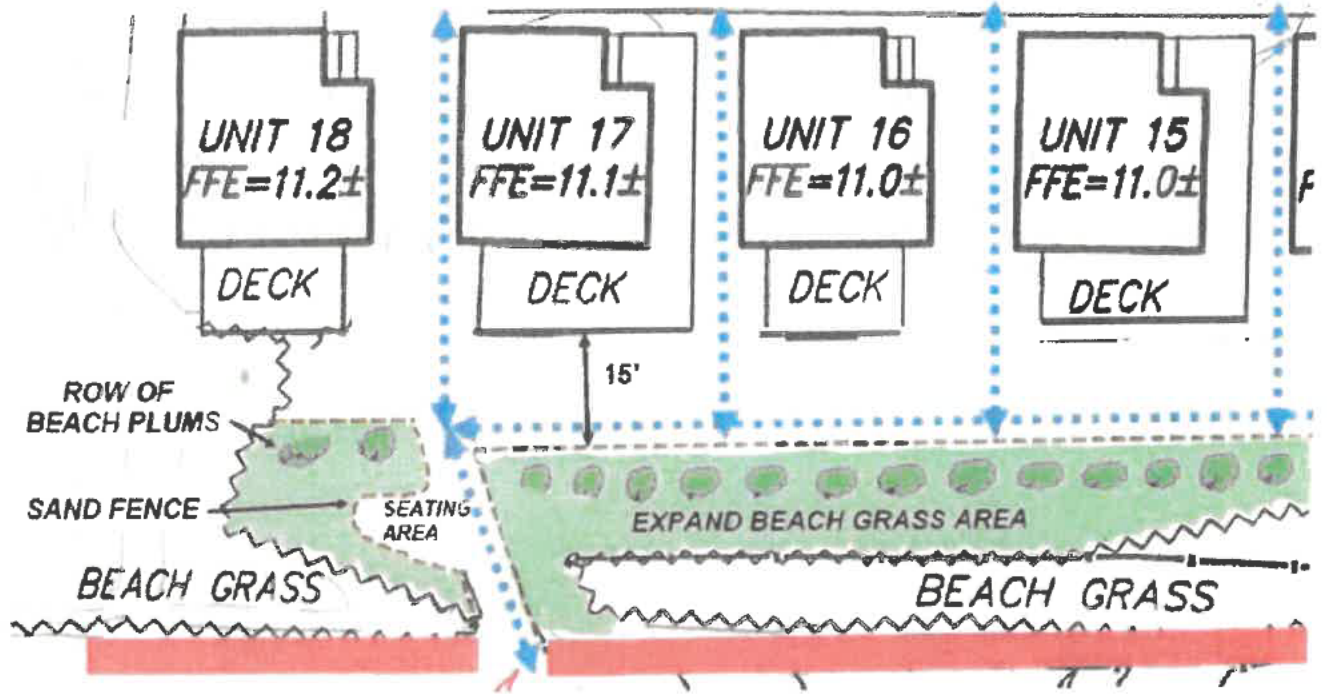
Motion: Messinger moved to approve the application as conditioned.

Seconded by McMahon by Messinger. **Vote: 6-0-0**

Notice of Intent: 503 Shore Rd. Unit 21. Jean Marzilli. SE#75-1083 (continued from

12/7/2020): Jean Marzilli, property owner, described her project which included the addition of a mahogany deck to her condominium unit. She originally submitted her NOI over a year ago and the Commission took issue with the fact that the deck was not removable because the property is in a flood zone. She is now requesting permission for a deck less-than 200 sq. ft., on sonotubes at grade, that would be removed seasonally. A new plan had not been submitted reflecting the changes proposed, as Ms. Marzilli was

DASHED BLUE LINES DEPICT THE BEACH ACCESS ROUTES PERMITTED IN COMMON AREAS FOR LAKESIDE OWNERS



These figures depict a proposal to maintain beach access and use areas while accommodating fenced off areas for dune vegetation. The area shown in red depicts the location for the sturdy sand drift fence.

1/4/2020

TOWN OF TRURO—ORDER OF CONDITIONS
522 Shore Rd; Map 7, Parcel 8
DEP file # SE 75-1106
Sutton Place Condominium Trust, APPLICANT/OWNER

DOCUMENTS

1. Notice of Intent application; Addendum to Notice of Intent; wetland fee transmittal form; abutter notification; abutters list, locus map, 21-day waiver, photos of the site;
2. NHESP Approval Letter with conditions;
3. DEP notice of file number ;
4. Correspondence from ECR dated 12/4/2020 "supplemental information to a notice of intent, 522 Shore Road;
5. "Existing & Proposed Conditions Plan" by Bracken Engineering, Inc., dated 10/13/2020;
6. Pictorial diagram depicting beach grass area expansion, beach access routes, seating areas, and snow fencing dated 1/4/2020.
7. *Letter from NHESP dated 11/12/2020.*

PROJECT DESCRIPTION

1. This property includes an existing condominium complex bordered by Cape Cod Bay on the west side and located in the FEMA velocity zone. The property has suffered significant erosion from storm events driving high tides and storm surge to diminish the volume of the primary dune that fronts the property. Over many seasons and many storm events the erosion has been exacerbated by patterns of use, minimally controlled access and ownership boundaries (exclusive use areas) that directly conflict with the goals of resource protection.
2. The work proposed includes construction of a "sturdy" sand drift fence designed with larger members than typical sand drift fencing used in Truro. This is the first of its kind on Beach point. The project also includes installation and maintenance of snow fences, and replenishment of sand and native vegetation. The frontal dune will be plugged with additional beach grass. The plan creates pathways that direct foot traffic for beach access to two specific entrances. General use will be reduced to a clearly designated area. Future maintenance activities have been considered in the plan that includes a section of the fence designed to be removed.
3. The resource areas include: Barrier Beach, Coastal Dune, Coastal Beach and Land Subject to Coastal Storm Flowage.

The Commission determined that the project could be permitted subject to the following special conditions. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.

CONDITIONS

A. Pre-construction

1. Notice of a work start date shall be given to the Commission in writing at least 48 hours prior to the commencement of work. The applicant or contractor shall provide the name and contact information of the person responsible on site for compliance with this Order.
2. Prior to the commencement of work the following activities shall be completed:
 - The Order of Conditions shall be recorded at the Barnstable County registry of deeds and a stamped copy shall be submitted to the Conservation office.
 - A sign shall be conspicuously displayed at the site showing the DEP file number assigned to this project. The sign shall be 2-3 square feet in size, separately staked and read only: MA DEP file # SE 75-1106. Lettering/numbering shall be clearly and permanently printed, and at least 2" in height.
 - A pre-construction site visit shall be scheduled by the applicant's representative and include the project Contractor and the Conservation Agent. During this site visit the

Order of Conditions, construction protocols, work schedule, work limit and site plan details shall be reviewed.

3. Members of the Commission, its Agent or the Department of Environmental Protection (DEP) reserve the right to enter and inspect the property at all reasonable times, until a Certificate of Compliance is issued, to evaluate compliance with this Order of Conditions, the Act, 310 CMR 10.00 and Town regulations, and may acquire any information, measurements, photographs, observations, and/or materials, or may require the submittal of any data or information deemed necessary by the Commission for that evaluation.

B. Construction & Revegetation

1. The Project Narrative which includes construction specifications, the existing and proposed condition plan dated 10/13/2020, and the diagram showing expansion of grass area dated 1/4/2021, are specifically incorporated into this order.
2. American beach grass shall be planted every spring, and as needed.
3. Maintenance of the fencing and the resource areas shall include replenishment of sand with clean, compatible sediment as needed.
4. The Conservation Department shall be notified 48 hours in advance of nourishment, fence repairs and beach grass planting.
5. An annual report of activities including before/after photos, shall be submitted at the end of each year.
6. The 8' removable fence section in front of unit 10 shall only be removed for maintenance purposes.
7. 2-gallon Beach Plums shall be planted, 4' apart, with the allowance for temporary irrigation until they are established; these shall be replaced as needed under this Order.
8. The conditions set by the approval from NHESP, dated 11/12/2020, are specifically incorporated into this Order.
9. Materials shall be staged in the parking lot.

C. General Conditions

1. Prior to the commencement of work or pre-construction site meeting, the form provided at the end of this Order (part G. "Recording Information") shall be completed and stamped at the appropriate Registry of Deeds, after the expiration of the 10-day appeal period and if no request for appeal has been filed with the Department of Environmental Protection.
2. This document shall be included in all construction contracts, subcontracts, and specifications dealing with the work proposed and shall supersede any conflicting contract requirements. It is the responsibility of the Applicant, Owner, General Contractor and/or successor(s) to ensure that all Conditions of this Order of Conditions are complied with. A copy of this Order shall be available at the work site, during normal work hours, or posted, until the work is complete.
3. Work shall be halted on the site if the Commission, Conservation Agent or DEP determines that any of the work is not in compliance with this Order of Conditions. Work shall not resume until the Commission is satisfied that the work will comply and has so notified the applicant in writing.
4. Any changes in the work described in the Notice of Intent or in the plans and specifications submitted to the Commission shall be submitted to the Commission in writing for a determination of whether the change is significant enough to the interests of the Act to require a new Notice of Intent. No changes shall be made or implemented in the field prior to the Commission's determination. Should issuance of additional permits result in a

Emily Beebe

From: [REDACTED]
Sent: Sunday, September 10, 2023 12:43 PM
To: Emily Beebe
Subject: Sutton Serpentine Fence Proposal

Emily,

This is Elaine Brigman, owner of unit 1 Ebbtide and Trustee.

There are a lot of emails going around. It appears that the abutters notice and project narrative is for the erection of a serpentine fence across the barrier dune abutting Ebbtide a few feet away from my cottage.

If it is erected, in the event of a major storm, it will cause a surge and destroy my cottage.

While after the proposed rebuild I'd have no objection, I do object until then.

I emailed Eric Shapiro from Sutton. He says the only want to add strength to their already existing fence. This is fine but that is not what the abutters notice and info packet say.

Can the plan be adjusted to include this concern. Serpentine fence should not be built next to Ebbtide until rebuild of Ebbtide is complete,

Sent from [Mail](#) for Windows

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Emily Beebe

From: [REDACTED]
Sent: Sunday, September 10, 2023 12:45 PM
To: Emily Beebe
Cc: office.snowandsnowlaw.com; [REDACTED]
Subject: 522 Shore Road, Sutton Place Condominium SE#75-1187 application/project installation of coir logs

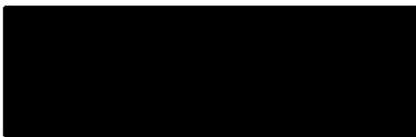
I am writing on the behalf of Ebb Tide on the Bay condominium association.

The material submitted with Sutton's application is voluminous, including historical data from the application to install a serpentine fence in 2020.

Ebb Tide has had persistent issues with erosion. We are concerned about the impact of this project on our abutting property.

It is unclear, to us, if the current project will include an extension of the existing serpentine fence westward toward our unit #1.

We would like assurances that the current project does not include an extension of the current serpentine fence, or installation of coir logs beyond the west end of the current fence.



CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

INDEPENDENT ENVIRONMENTAL CONSULTANTS, INC.
162 West long Pond Road, Plymouth, MA 02360
508-274-0310

September 11, 2023

Emily Beebe, Conservation Agent
Truro Conservation Commission
24 Town Hall Road
Truro, MA 02666

Re: Notice of Intent, 522 Shore Road, Sutton Place Condominium, Map, 5, Parcel 8, (SE#75-1187), shoreline stabilization.

Ms. Beebe,

Independent Environmental Consultants, Inc. (IEC) has been asked by the Board of Ebb Tide Condominiums to review the above mentioned NOI application at 522 Shore Road (Sutton Place) in Truro. This proposed NOI concerns the installation of buried coir logs for erosion control at the location of the heavy duty drift fence (serpentine fence) located within the coastal dune at 522 Shore Road. The purpose of this project is to reduce erosion of the existing coastal dune (primary coastal dune) within this coastal property on Cape Cod Bay. The proposed work will reduce the erosion of the primary dune, will reduce impacts from storm damage and flooding impacts. and will provide additional protection for land areas located landward of the subject coastal dune.

The proposed work associated with this coastal dune stabilization project includes the burying of coir logs within the area of the heavy duty drift fence (serpentine fence) for additional erosion control at this coastal site (coastal dune area). The southern boundary of Ebb Tide Condominiums borders on this Sutton Place property, and the proposed locations of the coir logs for erosion control of the coastal dune. Overall, the Board of Ebb Tide Condominiums views this proposed erosion control project by Sutton Place as a positive project, and the Board approves of this proposed project. The Board does have one concern about this project. Currently Ebb Tide Condominiums is still in the permitting phase of their project to construct new flood compliant buildings, new septic system, new parking, and construct a new vegetated coastal dune within this site. If the Sutton Place project is approved by the Truro Conservation Commission, then the Sutton Place erosion control project could proceed immediately, while the Ebb Tide Condominium project is still in the permitting process. If the coir logs are installed immediately after the approval process by the Truro Conservation Commission, there is a concern by Ebb Tide Condominiums that at the physical location where the new coir logs are installed at the southern property line of Ebb Tide Condominiums, that ocean waters during coastal storm events and flooding events may actually force waters from the heavy duty fence & coir log system at Sutton Place into the vulnerable areas of the existing buildings and damaged foundations within Ebb Tide Condominiums, since those vulnerable areas can not be worked on due to the lengthy permitting process. This could result in additional damage to the structures and foundations at Ebb Tide Condominiums.

Should there be any storm damage to the damaged foundations at Ebb Tide Condominiums from ocean waters being directed inland from the erosion control work at Sutton Place during storm events, could the Truro Conservation Commission allow Ebb Tide Condominiums to conduct emergency repairs (Emergency Permit) from any additional storm damage to the existing damaged foundations and buildings at Ebb Tide Condominiums, and to add additional erosion controls to deflect any ocean waters from the Sutton Place erosion control project, until such time that the Ebb Tide Condominiums secures all required permits for building reconstruction within the Ebb Tide Condominium property, which also includes the construction of a vegetated coastal dune system. An after-the-fact RDA application could be filed for the emergency repairs for any emergency work required at Ebb Tide Condominiums.

Again, the Board of Ebb Tide Condominiums supports the Sutton Place erosion control project within the coastal dune area, but the Board is concerned about the time period where the Sutton Place erosion control project is complete, and the time period where the Ebb Tide erosion control project has not commenced, due to the lengthy permitting process for the Ebb Tide Condominium project.

Paul J. Shea, PWS
President

5

Pamela Blair
6 Castle Rd.
Truro, MA 02666

September 22, 2023

Emily Beebe and Arozana Davis
Conservation Department
24 Town Hall Rd.
Truro, MA 02666

RE: 6 Castle Rd. Electric service Upgrade needed and SE# 075-1175

Dear Emily and Arozana

As previously discussed, we are in need of upgrading our electric service to a 200 amp service to better supply the property, including the ability to charge an electric car, and had not had the chance to include this in our initial filing.

Tom Adams of Wellfleet Electric, LTD will be providing/managing the work to replace our electric line from the pole to the house in the area just inside the border of the 200 ft. riverfront area, as depicted in the attached sketch. The 2 ft. trench for the replacement line will be hand dug and machine dug as needed, providing the least disturbance and the best possible outcome.

Per our NOI and OOC for this filing, we will be removing the Norway Maple tree, and may need to remove the locust tree located immediately behind it, which is on our property, in order to minimally disturb the driveway turn around and septic tank.

Please include this on the docket for the October 2nd, 2023 Conservation Commission meeting.

Thank you very much for your time.

Best Regards,

Pamela Blair

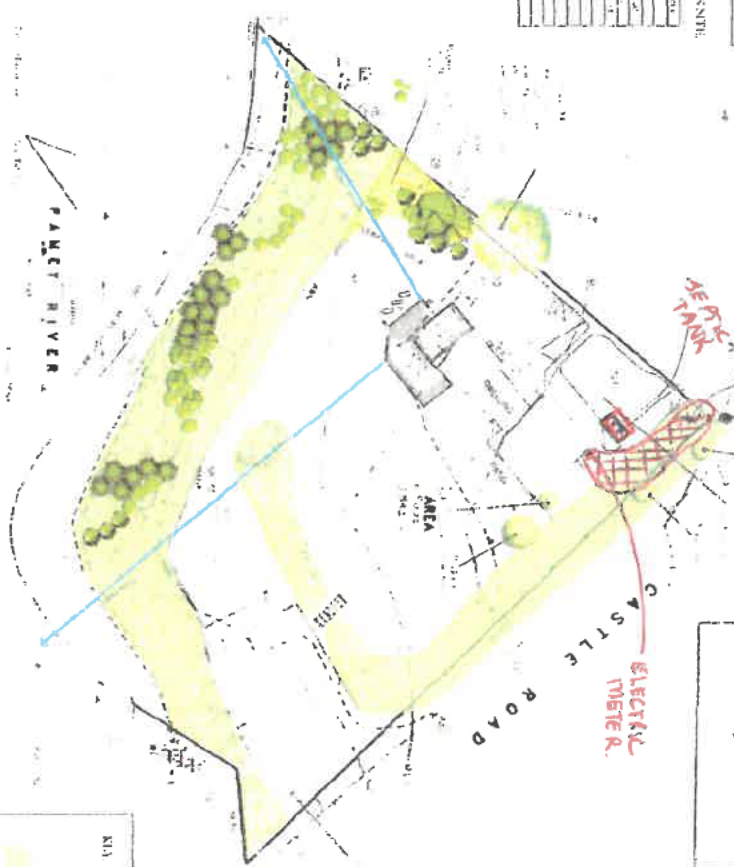
Attachments: 3

NARR EXPLANATION DIMENSIONS:

Symbol	Description	Dimensions
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

DIMENSIONS IN INCHES DIMENSIONS IN METERS

Symbol	Description	Dimensions
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

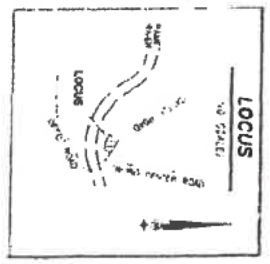


AREA WHERE EXISTING ELECTRICAL IS (to be replaced)

WELL TANK

ELECTRIC METER

LEGEND



* APPROX SEPTIC TRNK LOCATION TAKEN FROM 12-4-2012 SURVEY, PREVIOUSLY SUBM. STED FOR AR# 2018-46 (Driveway repair)

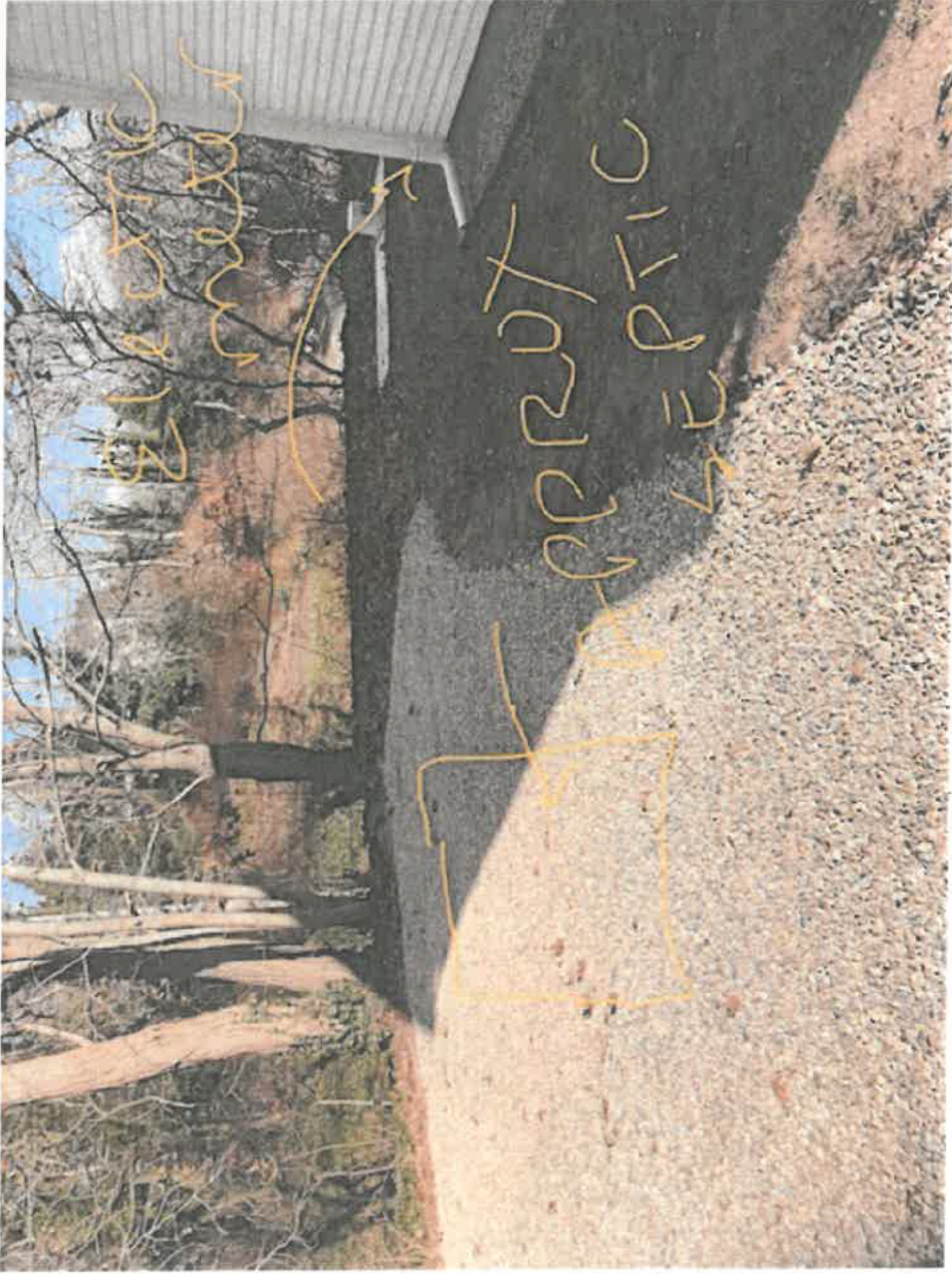


IN AN AREA OF THE OVERALL POINTS IN SECTION 4 AND 5

Symbol	Description	Dimensions
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

STILL Awaiting to BUTLE
SEE # 075-1175







Field Change

From: Thor Construction <office@thorcapecod.com>
Sent: Thursday, September 28, 2023 1:54 PM
To: Arozana Davis
Subject: Re: ramjack
Attachments: image003.png

Hi Arozana,

The reason we needed to put in the helical piles is that once we started to remove the concrete from around the house at 8 great hills, we noticed that there were no footings for the foundation. This had resulted in substantial cracking and settling. the engineer of record suggested the helical piles and speced them in the as built.

thank You
Thor

On Thu, Sep 28, 2023 at 1:40 PM Arozana Davis <ADavis@truro-ma.gov> wrote:

Thor,

Could you write up a small narrative explain what happened over there? That will give the Commission a better idea as to what this information is all about.

Thank you!

Arozana



Arozana Davis,
RS/REHS
Asst. Health &
Conservation Agent

PHONE: 508-214-0202
EMAIL: adavis@truro-ma.gov
WEB: www.truro-ma.gov
ADDRESS Town of Truro
24 Town Hall Rd
PO Box 2030
Truro, MA 02667



Prepared for:

Thor Construction
NORA BATES
8 Great Hills Rd
Truro, MA 02653

(508) 237-7262 | nora@thorcapecod.com



Evaluated on:

Monday, September 11, 2023

Evaluated By:

Anthony Capelle

(508) 295-3133 | anthonyc@ramjackne.com

RamJack New England
12 Kendrick Road Units 15-16
Wareham, MA 02571
Main (508) 295-3133
www.ramjackne.com

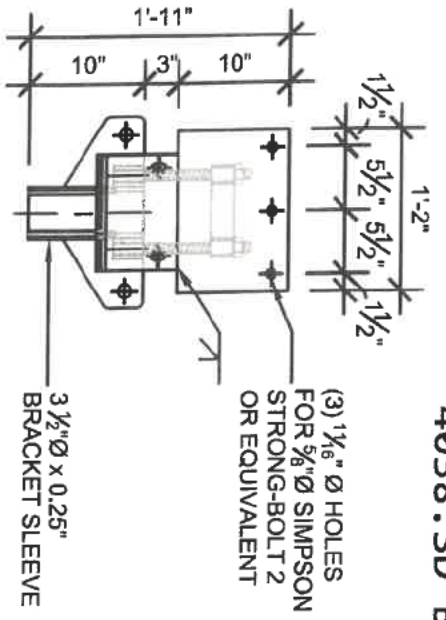
Foundation stabilization.

Overview

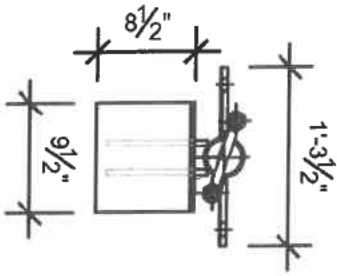
This project scope covers stabilization of the specified foundations as per plan S-200 only. No other work is included.

1. Upon receipt of deposit and executed contract, Ram Jack will order applicable materials based upon provided endorsed final engineering documents, or as directed in correspondence by GC.
 2. Ram Jack will review project work completion timeline and coordinate with materials delivery on site.
 3. Remedial piles plan to be provided or New construction piles: all pile locations must be pre excavated, pre marked, and a benchmark elevation for cutting the piles must be provided.
 4. Ramjack's contractual pile material/depth limit is 0'-14'-0" per helical pile. If required to proceed beyond 0'-14'-0" by either engineering design, specifications, poor soils or other reasons, there will be an additional cost of \$45 per foot section of material after 14'-0"
 5. Install helical pile to specified depth, with bracket, Steel Angle Iron, grouting and painting if required, materials and labor included.
 6. Ramjack requires a clear working area for each pile install.
 7. Workers will require access to the work area for the entire project.
 8. Ram Jack will leave work trailer parked in front of the site during the project.
 9. Ram Jack is not responsible for any undisclosed sub surface conditions.
 10. Pre Drilling: If required (\$300.00) per pile-per hole.
 11. Pile grouting: If required (\$250.00) per pile-per hole.
 12. Removal of a pile: If required (\$500.00) per pile-per hole.
 13. Placement of an additional pile: If required (\$1250.00) per pile.
 14. Additional pile depth: If required (\$45.00) per pile per foot.
 15. Placement of Additional Pile Due to obstructions (\$1250.00) per pile.
 16. Placement of Additional Pile for testing (\$1250.00) per pile.
 - 17 Removal of obstructions per Pile - \$500 per pile.
 18. Additional Mobilization or De-mobilizations (\$1,250) per event.
 19. Load test: If required (\$8,500) per occurrence.
 20. Structural Engineering design for building permit application. "EXCLUDED"
 21. Permit application service fee, permit cost "EXCLUDED"
 22. Digsafe, marking, call. "EXCLUDED"
 23. Installation Fee Structure is subject to any signed Change Order(s). You agree to pay Ram Jack for the total of the Work. A deposit is due with signed contract for work to be scheduled, balance is due plus any change orders, minus any previous payments when installation is complete and before the Supervisor leaves the site, unless other arrangements have been made prior.
 24. If obstructions are encountered during the work effort, additional charges will be required. You will be notified of the additional charges. If construction proceeds you are consenting the additional charges.
 18. Ram Jack does not provide de-watering procedures for exterior or interior pile installation.
- This project scope covers Installation as specified products and work only. No other work is included. No refunds, No materials credits.

4038.SD BRACKET - 2 7/8" Ø HELICAL PILE



FRONT VIEW

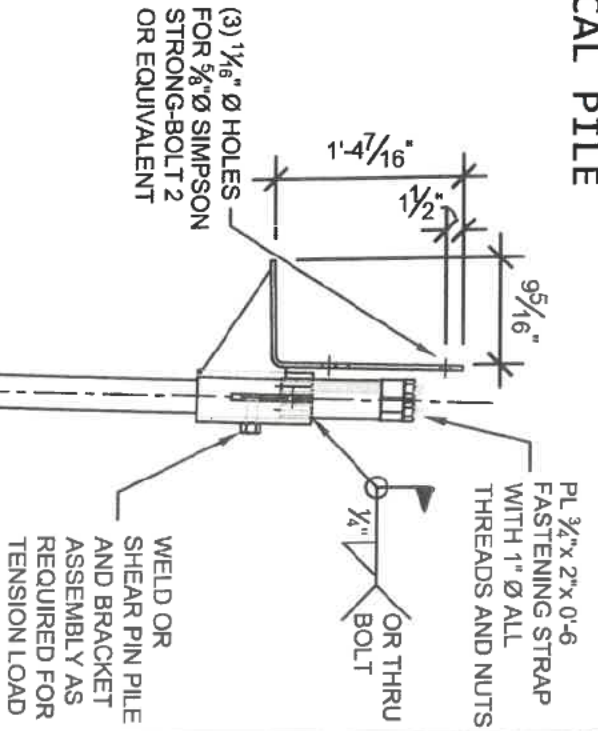


TOP VIEW

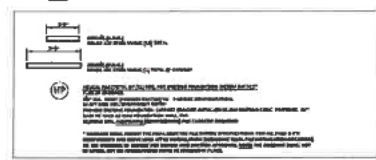
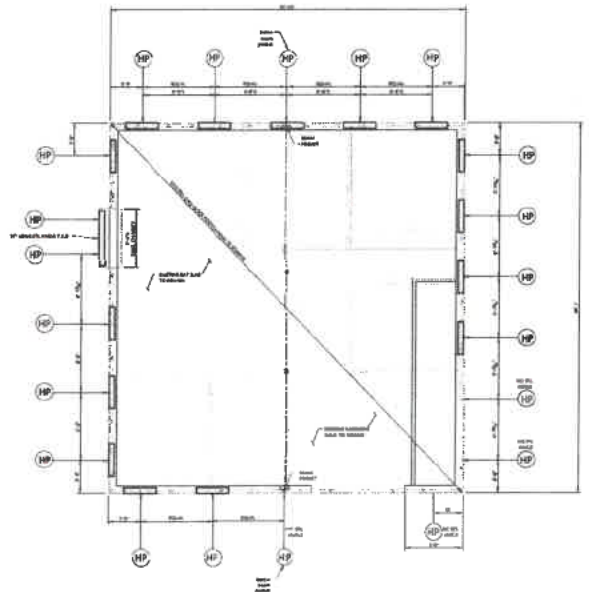
LOAD CHART	
ULTIMATE COMPRESSION CAPACITY	40,000 LBS
ALLOWABLE COMPRESSION CAPACITY (S.F. = 2)	20,000 LBS
MAXIMUM LATERAL LOAD CAPACITY	CALC. REQ'D
MAXIMUM TENSION CAPACITY	CALC. REQ'D

NOTES:

1. POLYETHYLENE COPOLYMER THERMOPLASTIC COATING PER ICC-ES AC228.
2. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
3. ALL WELDING IS TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
4. THE CAPACITY OF THE UNDERPINNING SYSTEM IS A FUNCTION OF MANY INDIVIDUAL ELEMENTS, INCLUDING THE CAPACITY OF THE FOUNDATION, BRACKET, DESIGN UNBRACED LENGTH, PIER SHAFT, HELICAL PILE, AND BEARING STRATA, AS WELL AS THE STRENGTH OF THE FOUNDATION BRACKET CONNECTION AND THE QUALITY OF THE INSTALLATION OF THE PILE. YOUR ACHIEVABLE CAPACITIES COULD BE HIGHER OR LOWER THAN THOSE LISTED DEPENDING ON THE ABOVE FACTORS.



4038.SD BRACKET W/ 2 7/8" PILE		CATALOG NO.: SEE TABLES		REV. 1
SCALE 3/4" = 1'-0"	DRAWN BY DW	DATE: 12/22/2020	SHEET 1 OF 1	



HEALTH PROTECTION NOTES:

- ALL HEALTH PROTECTION PLAN & PIPE ASSEMBLY COMPONENTS CAPACITIES SHOWN ON THIS PLAN ARE ASSUMED TO BE INSTALLED AND OPERATING PROPERLY. THE HEALTH PROTECTION SYSTEMS SHOWN ON THIS PLAN ARE ASSUMED TO BE INSTALLED AND OPERATING PROPERLY. THE HEALTH PROTECTION SYSTEMS SHOWN ON THIS PLAN ARE ASSUMED TO BE INSTALLED AND OPERATING PROPERLY.

FOR CONSTRUCTION

PROJECT TITLE: COTTAGE RENOVATION
 PROJECT LOCATION: 1000 WEST STREET, WILMINGTON, MA
 SHEET NO: S-200-HP
 DATE: 08/21/2013
 SCALE: AS SHOWN
 DRAWN BY: JJO
 CHECKED BY: JJO
 PROJECT NO: 08/21/13









GENERAL BYLAW ARTICLES

Article X: Amend General Bylaws to Add New Chapter IX Stormwater Management by Drainage, Erosion and Sediment Control

To see if the Town will vote to amend the General Bylaws of the Town of Truro by adding new Chapter IX Stormwater Management by Drainage, Erosion and Sediment Control and enumerating the subsequent Chapters of the Bylaw accordingly by adding new language as follows (new language shown **bold underline**):

CHAPTER IX STORMWATER MANAGEMENT by DRAINAGE, EROSION AND SEDIMENT CONTROL

§ 1. Purpose

The purpose of this bylaw is to protect, maintain and enhance the public health, safety, environment and general welfare by establishing minimum requirements to control the adverse effects of stormwater runoff and erosion. Through proper management of stormwater, sediment and erosion controls this bylaw safeguards the public health, safety, environment and general welfare of the public. This bylaw serves to protect surface water and groundwater resources, promote groundwater recharge and prevent flooding.

§ 2. Applicability

The requirements of this bylaw shall apply to existing development, new development, and redevelopment projects to minimize adverse impacts of erosion and stormwater runoff, off-site and downstream, which would be borne by abutters, townspeople, the general public and wetland resource areas.

The Select Board may delegate from time-to-time certain duties described in this bylaw to designees who will act on its behalf for the purposes of enforcement. The Select Board may also enact regulations to carry out the intent and the purpose of this bylaw, including establishing an approval process for any activities subject to this bylaw, setting fees, and designating a Town board or officials to administer and enforce this bylaw.

§ 3. Definitions

New Development: development resulting from the conversion of previously undeveloped land or agricultural land uses.

Nutrient Pollution Sensitive: Nutrient pollution is the process where too many nutrients, mainly nitrogen and phosphorus, are added to bodies of water and can act like fertilizer, causing excessive growth of algae. This process is also known as eutrophication. Excessive amounts of nutrients can lead to more serious problems such as low levels of oxygen dissolved in the water. Severe algal growth blocks light that is needed for plants, such as seagrasses, to grow. When the algae and seagrass die, they decay. In the process of decay, the oxygen in the water is used up and this leads to low levels of dissolved oxygen in the water. This, in turn can kill fish, crabs, oysters, and other aquatic animals.

Recharge: hydrologic process where water moves downward through the soil from surface water to groundwater.

Redevelopment: the action or process of developing something again, or differently.

Runoff: the draining away of water (or substances carried in it) from the surface of an area of land, a building or structure such as a driveway.

Storm, 50-year: refers to a storm that has a 2% chance of occurring on any given year and will produce 6.60 inches of rain in a certain area within a 24-hour period.

Stormwater: surface water that collects in abnormal quantity resulting from heavy falls of rain or snow.

§ 4. Drainage requirements

a. Runoff. All runoff from impervious surfaces of a lot shall be recharged on that lot. Runoff shall be diverted towards areas covered with vegetation for surface infiltration.

b. Stormwater. All stormwater drainage shall be contained on the development site and away from wetland resources. All stormwater shall be treated on site unless there is a public benefit to connecting to another drainage system or allowing stormwater to flow off site. Commercial development shall be required to handle calculated flows from a 50-year storm.

c. Drains. In no instance shall roof drains, subsurface drains, or overflow drains of any kind be directed to the public road layout.

§ 5. Erosion and sediment control requirements

a. Erosion. Erosion control provisions shall be designed and executed to prevent erosion or excessive uncontrolled surface water runoff from draining onto any public way, both during and after construction. No grading or clearing of land shall begin until all required erosion control measures are in place and fully constructed. Permanent erosion control measures including but not limited to re-vegetation, retention basins and siltation barriers may be required to ensure stormwater will not discharge onto the public way.

b. Sediment control. The Town may require measures to reduce tracking of sediment from construction vehicles onto the public way. The contractor is required to clean up any sediment inadvertently discharged, through tracking or other means, into the public way or drainage systems. In no case shall sediment be allowed to discharge onto a public way or into public drainage infrastructure.

§ 6. Nutrient Pollution Sensitive Areas

For nutrient pollution sensitive areas, please refer to the Best Management Practices within the Massachusetts Stormwater Handbook, Wetlands regulations, 310 CMR 10.00, and the Water Quality Regulations, 314 CMR 9.00, relating to stormwater.

§ 7. Fines and penalties

Violation of this bylaw shall be punishable by a fine as established in Appendix A. Each day a violation exists shall be deemed a separate offense, unless substantial progress or unforeseen delays are demonstrated by the owner/applicant. Pursuant to MGL c. 1 §1.1.4 such fines may be enforced either through a criminal complaint or through the non-criminal disposition process pursuant to MGL c. 40, §21D.

and further to amend the General Bylaws by inserting, in Appendix A, the following terms in a new row corresponding to the above Section 7, Stormwater management by drainage, erosion and sediment control Bylaw:

<u>Chapter & Section</u>	<u>Subject</u>	<u>Fine \$</u>	<u>Enforcing Authority</u>
<u>x-x-8</u>	<u>Stormwater mgmt</u>	<u>\$300 day/vltn</u>	<u>Bldg Com., H&Cons Agent, DPW Dir</u>

Requested by the Health & Conservation Agent and Town Planner

Explanation: The proposed Stormwater Management by Drainage, Erosion and Sediment Control bylaw will promote the stewardship of our groundwater resources, by introducing the citizenry of Truro to the importance of controlling stormwater on their own property. The bylaw requires property owners to meet the performance standards for stormwater by keeping rainfall from washing from their roofs and driveways onto private or public ways.

Board of Health Recommendation			
Select Board Recommendation			