



## Truro Board of Health

Tuesday November 15, 2022

Remote Meeting- 4:00 PM

### REGULAR MEETING

#### Remote Meeting Access Instructions

This will be a remote meeting. Citizens in Truro can view the meeting on Channel 18 and on the homepage of the Town of Truro website on the "Truro TV Channel 18" button found under "Helpful Links". To view, 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 1-866-899-4679 and enter the following access code when prompted: 972-302-709; or access the meeting from your computer, tablet or smartphone. <https://global.gotomeeting.com/join/972302709>** 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 to help us manage multiple callers effectively. Citizens may also provide public comment for this meeting by emailing the Health Agent Emily Beebe at [ebeebe@truro-ma.gov](mailto:ebeebe@truro-ma.gov) with your comments.

- I. PUBLIC COMMENT:** *Please note that the Commonwealth's Open Meeting Law limits any discussion by members of the Board of an issue raised to whether that issue should be placed on a future agenda*

### II. AGENDA ITEMS

1. **Municipal Water Service connection request:** Stones Throw Condominiums, 6 Shore Road; Barbara Correa, Trustee (continued from 10/18/2022)
2. **Variance Request/Local Upgrade Approval:** 45 Corn Hill Road (continued from 11/1/2022)
3. **Variance Request/Local Upgrade Approval:** 108 Slough Pond Road
4. **Inspection report discussion:** 9 South Highland Road
5. **Waiver of time:** 12 Twine Field Road
6. **Water Resources Update:** November 2022

### III. MINUTES: October

### IV. REPORTS

- o Report of the Chair
- o Health Agent's Report

TOWN OF TRURO  
12:37pm

NOV 10 2022

RECEIVED  
TOWN CLERK

NS



# Stones Throw Condos

6 Shore Rd, Truro, MA

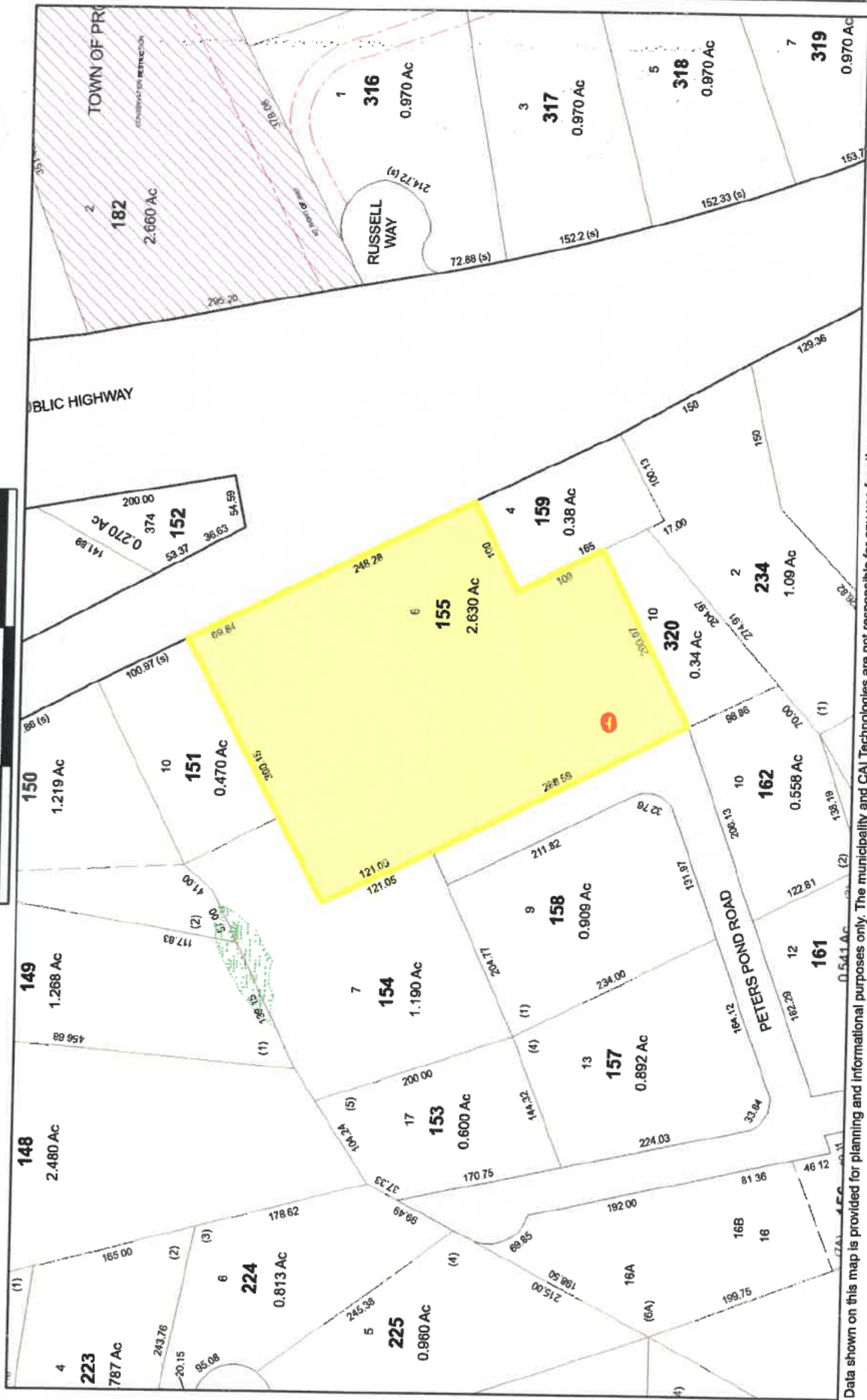
November 14, 2022

1 inch = 139 Feet



**CAI Technologies**  
Precision Mapping. Computational Solutions.

www.cai-tech.com



Data shown on this map is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this map.

# Stones Throw Condos

## DRINKING WATER PFAS6 PUBLIC EDUCATION

*This material contains important information about your drinking water.  
Please translate it, speak with someone who understands it or ask the contact listed below for a translation.*

Stones Throw Condos has not violated the drinking water regulations. A violation occurs when the average of all monthly samples collected over a quarter exceeds the Maximum Contaminant Level (MCL). However, our water system recently detected elevated levels of six per- and polyfluoroalkyl substances called PFAS6, and we are providing you with this Public Education so you can make informed decisions about your drinking water while we continue to monitor the water supply. If our system had violated the PFAS6 MCL our system would have issued a PUBLIC NOTICE.

On October 2, 2020, the Massachusetts Department of Environmental Protection (MassDEP) promulgated a new drinking water regulation and MCL of 20 nanograms per liter (ng/L) for the sum of six per- and polyfluoroalkyl substances. Stones Throw Condos has confirmed elevated levels of PFAS6 in the drinking water during routine monitoring. See results in table below.

PFAS6 Results					
Quarterly Compliance Period	Monitoring Period	Sample Collection Date	PFAS6 Result (ng/L)	Quarterly Average (ng/L)	PFAS6 MCL (ng/L)
Quarter 3, 2022	Month 1	7/20/2022	15.2	20	20
	Month 2	8/02/2022	22.0		
	Month 3	9/09/2022	23.0		
Quarter 4, 2022	Month 1	10/04/2022	21.7		20
	Month 2	November			
	Month 3	December			

\*PFAS6 regulation outlines the quarterly average is rounded to 2 significant figures. 20.1 rounds down to 20

Even though the PFAS6 results from August and September are greater than 20 ng/L, the quarterly compliance average for quarter 3, 2022, did not exceed 20 ng/L. Stones Throw Condos is providing this information as the October results continue to be greater than 20 ng/L. The drinking water for Stones Throw Condos is provided by 2 wells. The wells are located within close proximity to each other, both wells have been sampled for PFAS6 and have similar levels.

*Some people who drink water containing PFAS6 in excess of the MCL may experience certain adverse effects. These could include effects on the liver, blood, immune system, thyroid, and fetal development. These PFAS6 may also elevate the risk of certain cancers.* For more information on PFAS, see the links below.

### What is PFAS6?

PFAS6 includes perfluorooctanoic acid (PFOA), perfluorooctane sulfonic acid (PFOS), perfluorononanoic acid (PFNA), perfluorohexanesulfonic acid (PFHxS), perfluorodecanoic acid (PFDA) and perfluoroheptanoic acid (PFHpA). PFAS are man-made chemicals that have been used in the manufacturing of certain fire-fighting foams, moisture and stain resistant products, and other industrial processes. For more information see weblinks listed below on page 3.

### What should I do?

### **For Consumers in a sensitive subgroup**

**(pregnant or nursing women, infants and people diagnosed by their health care provider to have a compromised immune system)**

- **Consumers in a sensitive subgroup (pregnant or nursing women, infants and people diagnosed by their health care provider to have a compromised immune system) are advised not to consume, drink, or cook with water when the level of PFAS6 is above 20 ng/L.**
- **Consumers in sensitive subgroups** are advised to use bottled water for drinking and cooking of foods that absorb water (like pasta).
- **For infant formula**, use bottled water or use formula that does not require adding water.
- **Bottled water should only be used if it has been tested.** The Massachusetts Department of Public Health requires companies licensed to sell or distribute bottled water or carbonated non-alcoholic beverages to test for PFAS. See <https://www.mass.gov/info-details/water-quality-standards-for-bottled-water-in-massachusetts#list-of-bottlers->

### **For all other consumers not in a sensitive subgroup**

- **If you are not in a sensitive subgroup**, you may continue to consume the water because the 20 ng/L value is applicable to a lifetime consuming the water and shorter duration exposures present less risk.
- **If you have specific health concerns regarding your past exposure**, you should see the Centers for Disease Control and Prevention's link below and consult a health professional, such as your doctor.

**Steps you can take to reduce your intake** - Consider taking the following steps while actions are being implemented to address this issue:

- **For older children and adults (not in a sensitive subgroup)**, the 20 ng/L value is applicable to a lifetime of consuming the water. For these groups, shorter duration exposures present less risk. However, if you are concerned about your exposure while steps are being taken to assess and lower the PFAS6 concentration in the drinking water, use of bottled water will reduce your exposure.
- **Home water treatment systems** that are certified to remove PFAS by an independent testing group such as NSF, UL, or the Water Quality Association may be effective in treating the water. These may include point of entry systems, which treat all the water entering a home, or point of use devices, which treat water where it is used, such as at a faucet. For information on selecting home treatment devices that are effective in treating the water for PFAS6. see attached MassDEP weblinks pg3.
- **In most situations, the water can be safely used for washing foods, brushing teeth, bathing, and showering.**

**Please note: Boiling the water will not destroy PFAS6** and will somewhat increase its level due to evaporation of some of the water.

### **What is being done?**

- We are investigating treatment options to remove PFAS6.
- We will continue to sample the monthly.
- We will provide updates to the community

### ***Where can I get more information***

See weblinks listed below.



- **MassDEP Fact Sheet - Questions and Answers for Consumers**  
(<https://www.mass.gov/media/1854351>)
- **MassDEP Fact Sheet - Home Water Treatment Devices - Point of Entry and Point of Use Drinking Water Treatment –** (<https://www.mass.gov/service-details/home-water-treatment-devices-point-of-entry-and-point-of-use-drinking-water>)
- **CDC ATSDR Information on PFAS for consumers and health professionals**  
(<https://www.atsdr.cdc.gov/pfas/index.html>)
- **Massachusetts Department of Public Health information about PFAS in Drinking Water -**  
<https://www.mass.gov/service-details/per-and-polyfluoroalkyl-substances-pfas-in-drinking-water>

This Public Education material is being sent to you by:  
Stones Throw Condos PWS ID#:4300040 Date distributed: 11/11/22

*Please share this information with other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses).*

PROVINCETOWN WATER AND SEWER BOARD  
REGULATIONS FOR HOOK-UPS IN TRURO  
TO THE PROVINCETOWN WATER SYSTEM  
ADOPTED ON APRIL 29, 1999

Water hook up regulations

1. 1. 1. Legal Authority/Statement of Purpose

The Provincetown Water and Sewer Board, pursuant to its authority under Chapter 483 of the Acts of 1907 and Chapter 439 of the Acts of 1952, and in consultation with the Boards of Selectmen of Town of Provincetown and Truro, Hereby establishes the following regulations for new and expanded water service from the Provincetown Water System, in order to better manage the water resources of that System within the level permitted by the Massachusetts Department of Environmental Protection, and to help achieve a reduction in unaccounted for water to the industry standard of 15%.

2. 2. 2. Definitions

"New Service" shall refer to a property which is not hooked into the Provincetown Water system for water services as of the effective date of these regulations.

"Expanded Service" shall refer to a property hooked into the Provincetown Water system as of the effective date of these regulations which is subdivided and/or is proposed to increase in its use as measured by Title V of the State Sanitary Code.

"The Towns" shall refer to the Towns of Provincetown and Truro.

"The Provincetown Water System" shall include all pipes within Provincetown serviced by the Provincetown Water Department and the Truro water main running southerly from the Provincetown - Truro border along Route 6A (Shore Road) to the Route 6-6A junction and from the southerly along Route 6 ending at the hydrant in front of the Truro Central School.

3. 3. 3. Policy and Procedure

1. 3.1 3.1 Applicability of Regulations. All new and expanded services from the Provincetown Water System shall be subject to the prior approval of the Provincetown Water and Sewer Board pursuant to these regulations.

3.3 Restrictions of Hook-ups

3.3.1 Statement of Purpose. Whereas, the supply of water to the Provincetown Water System is limited, it is a public necessity to permit connections only where there are no alternative sources of potable water supply. The Truro Board of Selectmen has previously recognized this in its adoption of Policy Memorandum #24 on September 23, 1997, which it established "in order to control an increasing reliance upon the Provincetown Water Line, reduce the potential impact of increased density and increased nitrogen loading along the water line corridor, and to reduce theses impacts upon abutters." Accordingly, the Provincetown Water and Sewer Board hereby establishes the following criteria.

3.3.2 Criteria for Hook-ups. Any property owner desiring to obtain new water service or to expand existing service, must be able to meet one to the below requirements before an application will be accepted and approved by the Provincetown Water and Sewer Board.

- (1) (1) (1) Existing Dwelling With a Well: In the event the existing well fails, the property owner(s) must be unable to obtain potable water via a private well, in compliance with existing Title V regulations. Notwithstanding, a flushing well may also be required, if feasible, for non-potable uses such as flushing toilets, washing cars, and/or irrigation.
- (2) (2) (2) New Construction: The property owner(s) must be unable to obtain potable water via a private well, in compliance with existing Title V Regulations.

- (3) (3) (3) Non-Conforming Building Lots: The property owner(s) cannot establish a wellhead in compliance with existing Title V regulations because of non-conforming lot size. In no case in which the building lot has been configured to preclude the installation of a well on the property shall the Water and Sewer Board be required to provide water to said lot.
- (4) (4) (4) Configuration of Land: When topographical characteristics do not lend themselves to establishing a wellhead in compliance with existing Title V regulations. Notwithstanding, in no case where the building lot has been intentionally configured to preclude the installation of a well on the property, shall the Water and Sewer Board be required to provide water to said lot.
- (5) (5) (5) Contamination: When tests substantiate the presence of contaminants not meeting public health standards for portable water, and the property owner(s) is unable to obtain potable water via a private well, in compliance with existing Title V regulations.

3.3.3 Application Procedures. Any property owner(s) seeking either to obtain new water service or to expand existing service must follow procedures established by the Provincetown Water and Sewer Board.

3.3.3.1 In accordance with Policy Memorandum #24 adopted by the Truro Board of Selectmen on September 23, 1997, applications for new or expanded service for properties in Truro shall be subject to prior approval of the Town of Truro Board of Selectmen, before being forwarded to the Provincetown Water and Sewer Board for its consideration.

3.3.4 Applicability of Water Use Restrictions. Where water restrictions are imposed upon users residing in Provincetown, those same restrictions shall apply, on the same basis, to water users in the Town of Truro. The Provincetown Water System shall assess and bill all users for all surcharges, fines, or other fees attributable to violations of such restrictions. The Provincetown Water Department shall bill such water users at a rate established from time to time by the Provincetown Water and Sewer Board.

#### 3.4 Responsibility and Ownership

3.4.1 The Town of Provincetown shall be responsible for the repairs, maintenance, construction, and reconstruction of the existing capital facilities. For the purposes of this regulation, "capital facilities" shall mean water storage tanks, pump stations and appurtenances, water mains, gates, hydrants and appurtenances in public ways.

3.4.2 The water service lines from the public street water main to the individual buildings and the individual water meters are the responsibility of the property owners for installation, repairs and maintenance. Meter installations, repairs and maintenance must be approved by the Provincetown Water Department to ensure meter accuracy.

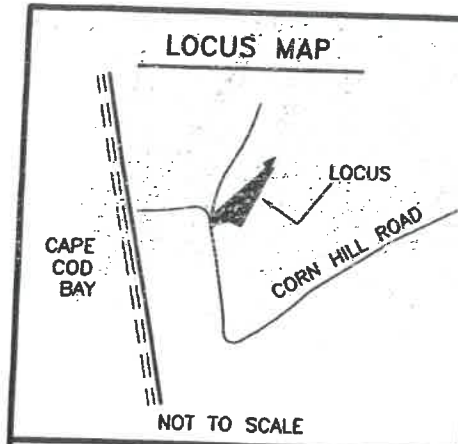
3.4.3 All water mains that are in private streets are the responsibility of the owners of those private streets. The Town of Truro will assist the Town of Provincetown Water Department in providing access to public/private ways and properties as part of their leak detection surveys and efforts.

#### 4. 4. 4. Expansion of the System

- 1. 4.1 4.1 The Provincetown Water System as defined above may not be expanded in Truro from its present configuration (also defined above) without the express consent of the Boards of Selectmen of the Towns of Provincetown and Truro.

Posted: Town Hall, <http://www.provincetowngov.org> 05/06/99

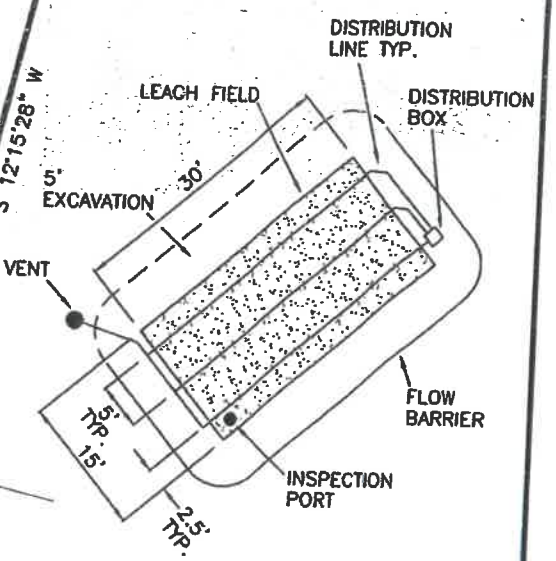
Published: Advocate/Provincetown Banner: 5/6/99 and 5/18/99



PCL. 46  
EXISTING WELL >100'  
FROM PROPOSED S.A.S.  
EXISTING LEACH PIT  
>100' FROM  
PROPOSED WELL

**LOT 1**  
81,203 S.F.±  
(16,632 S.F.± UPLAND)

FLOOD ZONE AE  
(EL. 12')



PCL. 35  
ROSE INVESTMENT TRUST  
EASEMENT FOR LOT 2  
TO CONSTRUCT AND MAINTAIN A WELL  
AND WATER PIPES  
D.B. 6651 PG. 115

200' RIVERFRONT AREA

100' BUFFER ZONE  
TO B.V.W.

**SEPTIC SYSTEM UPGRADE PLAN**

SUBJECT: <b>45 CORN HILL ROAD</b> TRURO, MA	
PREPARED FOR: <b>ROSE INVESTMENT TRUST</b> C/O MARY ROSE P.O. BOX 776 TRURO, MA 02666-0776	
ASSESSOR'S MAP 45 PARCEL 116	SCALE: 1"=30'
DATE: OCTOBER 15, 2021 REV: NOVEMBER 10, 2022	SHEET 1 OF 3

**J.C. ELLIS DESIGN**



P.O. BOX 81  
NORTH EASTHAM, MA 02651  
(508)240-2220  
Email: jason@jcellisdesign.com

**VARIANCE REQUESTS:**

TRURO BOARD OF HEALTH REGULATIONS:  
SECTION VI, ARTICLE 9  
1. LEACH FIELD, SEPTIC TANK AND PUMP CHAMBER  
TO BE INSTALLED IN "WETLAND" AS DEFINED IN TRURO  
BOARD OF HEALTH REGULATIONS. (LAND SUBJECT TO  
COASTAL STORM FLOWAGE AND BARRIER BEACH.)

**BENCHMARK**  
TOP OF MAG. NAIL  
EL. 11.19' N.A.V.D.88

**BENCHMARK**  
TOP OF SURVEY HUB  
EL. 8.12' N.A.V.D.88

**CORN HILL ROAD**

SURVEY PLAN REFERENCE:  
PLAN BOOK 458 PAGE 15  
THIS PLAN IS FOR SEPTIC SYSTEM  
DESIGN PURPOSES ONLY.  
THIS PLAN IS NOT FOR BOUNDARY  
DETERMINATION.  
PROPERTY OWNER AND  
CONTRACTORS TO VERIFY  
ALL WATER LINES AND GAS  
UTILITIES ON PROPERTY.



**JASON C. ELLIS, R.S.**

THIS PLAN REQUIRES CONSERVATION COMMISSION APPROVAL.  
WORK LIMIT TO BE STAKED SILT FENCE AND STRAW WADDLE.  
ALL SLOPES IN EXCAVATED AREA TO BE STABILIZED WITH  
EROSION CONTROL FABRIC.  
ALL DISTURBED AREAS TO BE REVEGETATED WITH AMERICAN  
BEACH GRASS.



MAR 3 8 39 AM '89

REC-550

I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTRARS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

APPROVAL UNDER THE SUBDIVISION  
CONTROL LAW NOT REQUIRED; REF.:  
CHAP. 41, SEC. 81P, 6.L

CHAIRMAN, SEC. GROUP, G.L.  
TRUSS PLANING BOARD:

TRURO PLANNING BOARD: *August 1988*  
*James J. Corne*

George Brown

*James T. Brown*

Baker Co. XBr 11/11/11

10/10/10

Brookings & Gatt:

**NOTE: THE PLANNING BOARD'S APPROVAL OF THIS PLAN IS SUBJECT TO THE CONDITION THAT THESE TWO LOTS CAN NOT BE FURTHER DIVIDED.**



William A. Tynes, Jr., M.D., M.P.H.

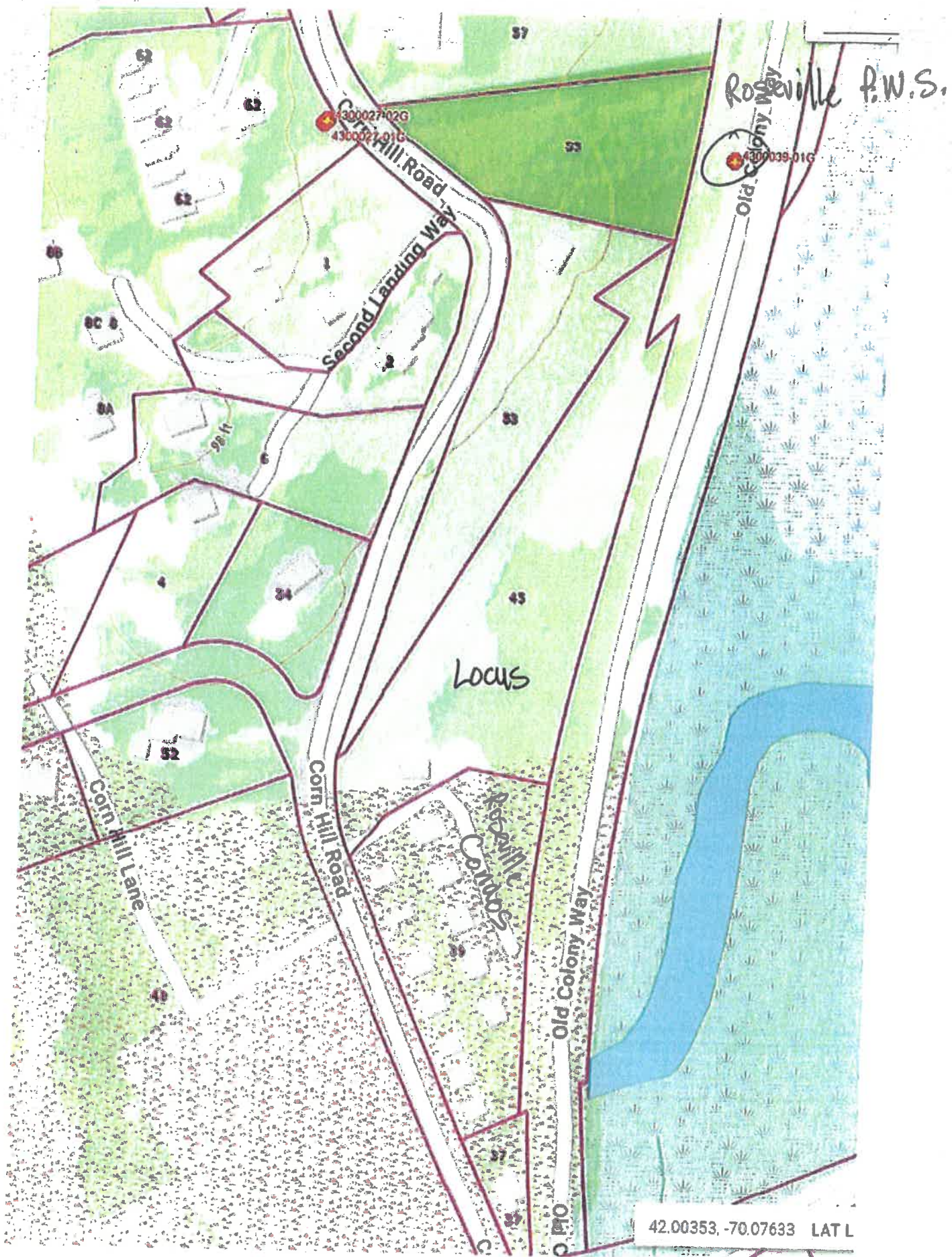
**AUSTIN L. ROSE, JR. ET UX**  
as surveyed for

SCALE: 1 IN. = 40 FT.

WILLIAM N. ROGERS.

REGISTERED  
CIVIL ENGINEERS & LAND SURVEYORS  
OFF CEMETERY ROAD, PROWSESTOWN, N.S.W.

7-88-0814 B





BOOK 6651 PAGE 115

NOT A N  
OFFICIAL OFFICIAL  
GRANTOR RIGHTS AND EASEMENT COPY

We, AUSTIN L. ROSE, JR. and MARY L. ROSE, both of Truro, Barnstable County, Massachusetts, do hereby grant to said AUSTIN L. ROSE, JR. and MARY L. ROSE, both of said Truro, (mailing address: P.O. Box 725, Truro, MA 02666), husband and wife, as Tenants by the entirety, and as Trustees of the Roseville Condominium Trust, under a Declaration of Trust, dated January 18, 1989, to be recorded herewith, their heirs, assigns, personal representatives and successors in title, with Quitclaim Covenants, the right to use the well located on that parcel of land described in the deed of David C. Churbuck, Trustee under the Will of Alton C. Churbuck, Barnstable County Probate Court Docket No. 60046, to the Grantors herein dated August 23, 1986, recorded August 27, 1986 with the Barnstable County Registry of Deeds in Book 5270, Page 176, for the supply of water to and for the benefit of Lot 2 as shown on a "Plan of Land in Truro as surveyed for Austin L. Rose, Jr. et ux, Scale 1 in. = 40 ft., dated August, 1988 by William N. Rogers, Registered Civil Engineers and Land Surveyors off Cemetery Road, Provincetown, Mass." which plan is to be recorded herewith\* for the supply of water, and also the right for the Grantees herein and their successors in title to construct and maintain pipes connecting said well with said Lot 2, including the right to construct and maintain pipes for such purpose which may be located on Lot 1 shown on said plan, and the right to repair, maintain and improve said well for the benefit of said Lot 2.

For our title see the above-described deed and as to Lot 2 see deed of Helen S. Rose to us dated October 3, 1966, recorded October 23, 1967, with Barnstable County Registry of Deeds in Book 1381, Page 791.

\* PLAN BOOK 458, PP. 23-25.

Executed as a sealed instrument this 24<sup>th</sup> day of January, 1989.

*Austin L. Rose, Jr.*  
AUSTIN L. ROSE, JR.

*Mary L. Rose*  
MARY L. ROSE

\* For consideration paid of ONE HUNDRED DOLLARS (\$100.00)

## N O T A R Y PUBLIC DEED

N O T  
A R Y

I, David C. Churbuck, Trustee Under the Will of Alton C. A. L. Churbuck, deceased, see Barnstable County Probate No. 60846, in consideration of Twenty Thousand Dollars (\$20,000) paid hereby grant to Austin Rose, II and Mary L. Rose, husband and wife, as Tenants by the Entirety, both of Route 6, Truro, Massachusetts 02666, a parcel of vacant land in Truro, Barnstable County, Massachusetts, bounded and described as follows:

## O F F I C I A L

Beginning at the Northerly line of land which has been conveyed by The New York, New Haven and Hartford Railroad Company to Philip H. Sunker, et ux, by deed dated September 26, 1951, being a line extended across the right of way of said abandoned portion of railroad, and extending thence in a general Northerly direction the distance of 2,655 feet, +/-, measured along the centerline of location of said abandoned portion of railroad, to the southerly line of land which has been conveyed by R. J. Smith, et al, Trustees to J. F. and R. B. Butterfield by deed dated June 16, 1964, being a line extended across the right of way of said abandoned portion of railroad and the place of beginning.

Said premises are conveyed subject to easements and restrictions of record, the building and zoning by-laws of the Town of Truro and Massachusetts General Laws Chapter 40, Section 54A.

For my title see Deed from Cheryl V. Williams and Alton B. Williams to Sheldon A. Jones, Trustee Under the Will of Alton C. Churbuck, dated December 15, 1980, recorded in the Barnstable County Registry of Deeds in Book 3210 at Page 238, in which the parcel described in this Deed is the second parcel therein.

WITNESS the execution hereof under seal this 23<sup>rd</sup> day of August, 1986.

*David C. Churbuck*  
David C. Churbuck, Trustee

COMMONWEALTH OF MASSACHUSETTS

BARNSTABLE  
Suffolk, ss.

August 23, 1986

Then personally appeared the above-named David C. Churbuck and acknowledged the foregoing instrument to be his free act and deed as Trustee, before me.

*John F. Jones*  
Notary Public

My Commission Expires:

Mar 18, 1989

RECORDED AUG 27 86

TRUR  
CANCELLED



V 2022-21

**Fee: \$75.00**



**TRURO HEALTH &  
CONSERVATION DEPARTMENT**  
24 Town Hall Road, Truro 02666

**APPLICATION FOR BOARD OF HEALTH VARIANCES**

**Date:** October 25, 2022

**Property Owner's Name:** Jeffrey Halprin

**Mailing Address:** 104 Irving St., Cambridge, MA 02138

**Address of Property:** 108 Slough Pond Rd.

**Map and Parcel Number:** Map # 62 Parcel # 1

**Design Engineer/Sanitarian** Linda J. Cronin

**Firm/Company Name:** CSN Engineering Phone #: 508-274-7347

**Address:** P.O. Box 201, Brewster, MA 02631

Please check type of variance requested:

☐ **Title 5 Variance Request: Section** \_\_\_\_\_

☒ **Board of Health Variance Request: Section/Article** Section 6 Article 8.1.A

Seeking a variance for relief from this regulation in consideration  
of the use of composting toilets + a proposed 7 bdrm septic system  
for the greywater

Linda J. Cronin

Signature (Representative )

October 25, 2022

Date

\_\_\_\_\_  
Signature (Property Owner)

HEALTH DEPARTMENT  
TOWN OF TRURO

NOV 01 2022

RECEIVED BY:

# 108 Slough Pond Rd

Property Tax Parcels



HEALTH DEPARTMENT  
TOWN OF TRURO

NOV 01 2022

RECEIVED BY:



P.O. Box 201  
Brewster, MA 02631

Phone: (508) 896-1783  
linda@csn-eng.com

DATE: October 28, 2022

**OFFICIAL NOTIFICATION TO ABUTTERS**

**Re: 108 Slough Pond Rd., Truro, MA**

The Board of Health will hold a public hearing on Tuesday November 15, 2022 at 4:00 pm. online. You can find the link on the home page of the Town of Truro website. This letter is to serve as an official notification to the immediate abutter(s). If you should have any questions, I can be reached at telephone number 508-274-7347

A 7-bedroom Title 5 septic system is being proposed to upgrade the single cesspool system now in place. A variance is being requested for relief from the Truro Board of Health Regulation Section 6, Article 8.1.a I/A Technology:

"1). Applicability: The use of I/A technology is required in the following circumstances:  
a) for flows greater than 600 GPD."

This property is a 59,186 S.F. (1.36 Acres) parcel in the midst of the National Seashore. There are no other direct abutters. The property utilizes composting toilets with all solid waste removed from the site. Liquid waste is composted and utilized on site as such. Only greywater will be going to the proposed Title 5 Septic System.

Sincerely yours,

Linda J. Cronin, P.E.  
CSN Engineering

LJC/1

HEALTH DEPARTMENT  
TOWN OF TRURO

NOV 01 2022

RECEIVED BY:

108 Slough Pond Road  
Map 62, Parcel 1  
Board of Health

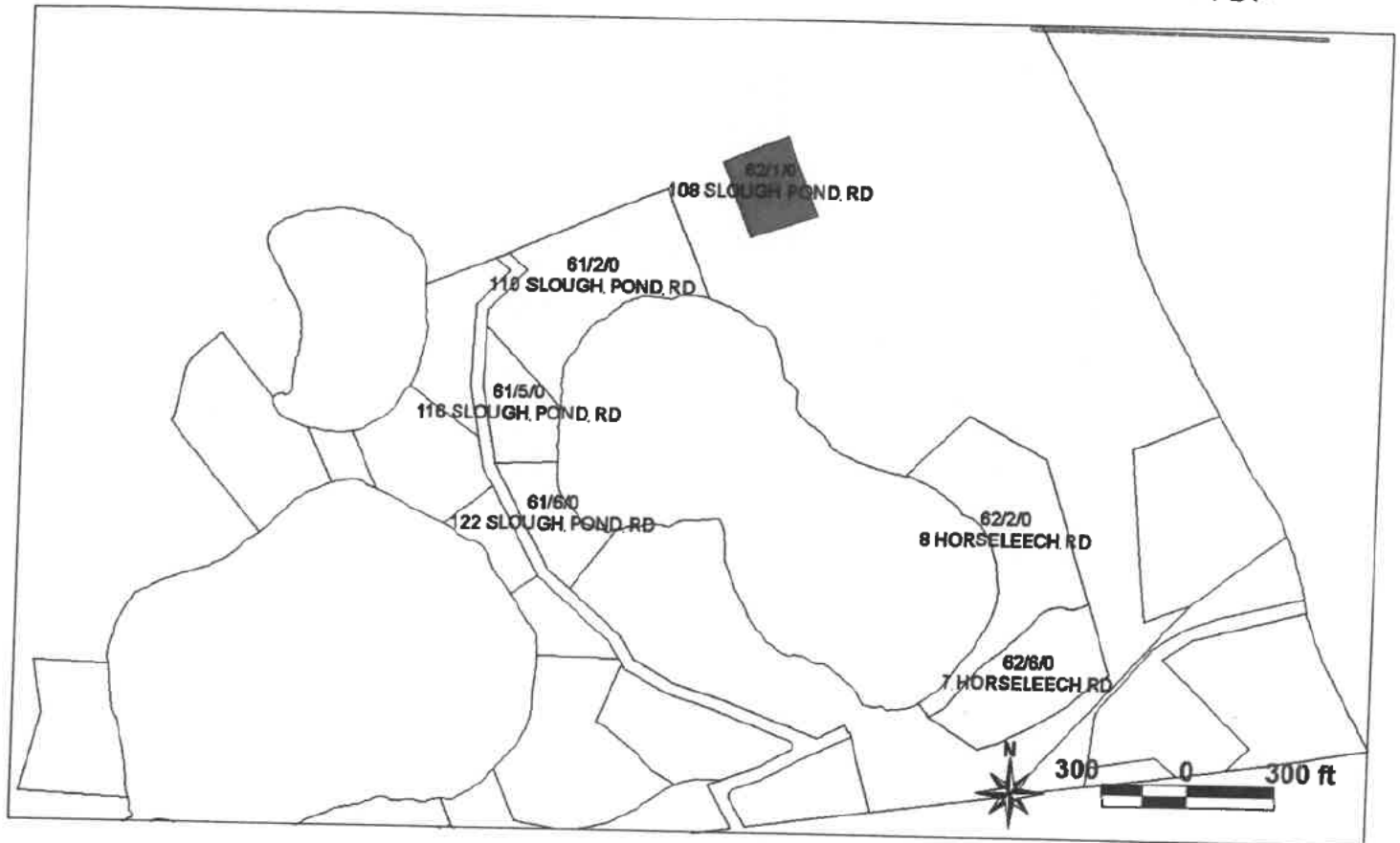
TOWN OF TRURO, MA  
BOARD OF ASSESSORS  
P.O. BOX 2012, TRURO MA 02666

HEALTH DEPARTMENT  
TOWN OF TRURO

NOV 01 2022

RECEIVED BY:

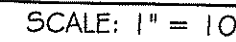
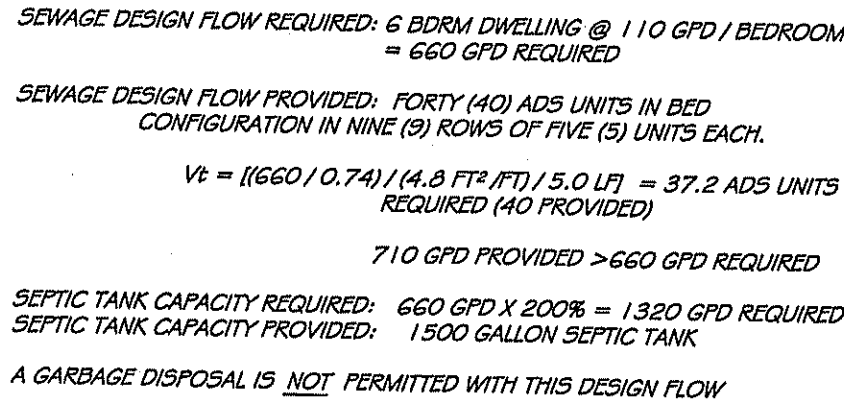
Custom Abutters List



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
7292	40-999-0-E	USA-DEPT OF INTERIOR Cape Cod National Seashore	0 CAPE COD NATIONAL SEASHORE	99 Marconi Site Rd	Wellfleet	MA	02667
3592	61-2-0-R	HORSELEECH POND LLC	110 SLOUGH POND RD	C/O PHILLIPS SUSANNAH 790 RIVERSIDE DR #11E	NEW YORK	NY	10032
3595	61-5-0-R	YASUMURA ROBERT & CARLSON-YASUMURA FAM TRUST	116 SLOUGH POND RD	574 STURGEON DRIVE	COSTA MESA	CA	92060
3596	61-6-0-R	ROSARIUS KARL & BETTINA	122 SLOUGH POND RD	ROBERT HEUSER STRASSE 5	50968 COLOGNE		GERMANY
3611	62-2-0-R	WHITMAN THOMAS I & RABIN MIRA	8 HORSELEECH RD	720 WESTVIEW ST	PHILADELPHIA	PA	19119
3615	62-6-0-R	FRENCH KENNETH R & LAURA P	7 HORSELEECH RD	PO BOX 458	WILSON	WY	83014

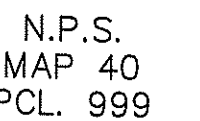
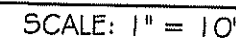
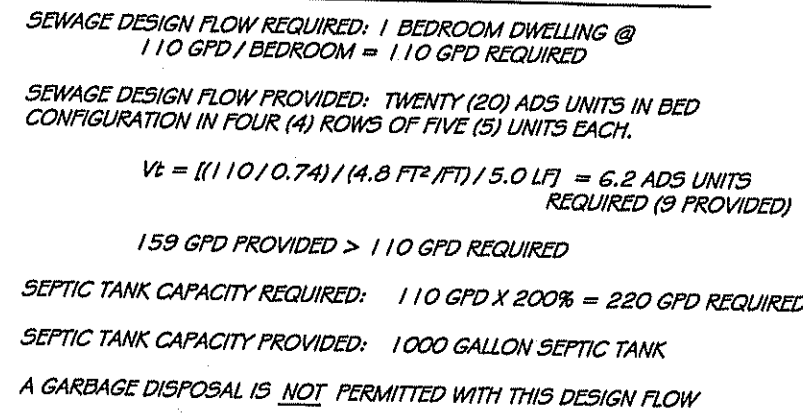
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11/1/2022





# LEGEND

EXISTING SPOT GRADE
PROPOSED SPOT GRADE
EXISTING CONTOUR
PROPOSED CONTOUR
WATER SERVICE LINE
OVERHEAD UTILITY LINES
UNDERGROUND UTILITY LINES
GAS SERVICE LINE
TOP OF BANK
LIMIT OF WORK
EDGE OF CLEARING
FENCE
TEST HOLE LOCATION
SEPTIC TANK
DISTRIBUTION BOX
SOIL ABSORPTION SYSTEM
RESERVED FOR FUTURE USE
UTILITY POLE
CATCH BASIN
FIRE HYDRANT
DRINKING WATER WELL
CONCRETE BOUND

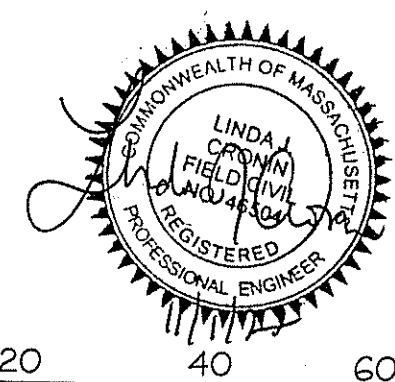


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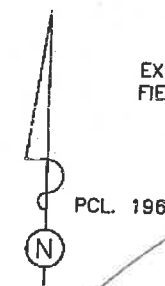
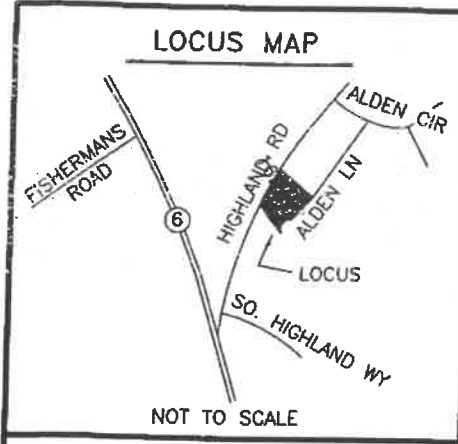
DEMAREST LAND SURVEYING  
338 MAYFAIR ROAD  
SOUTH DENNIS, MA 02660  
508-364-9049

P.O. Box 201  
Newster, MA 02631  
Phone: (508) 274-7347

DATE: 10/21/2022	SCALE: AS SHOWN	DESIGN: JJC	CHECK: KM	JOB NO: 202131C
---------------------	--------------------	----------------	--------------	--------------------



C:\CSM\SDS-Slough Pond\SDS-Slough Pond-SDS Plan.dwg



PCL. 197

SOUTH HIGHLAND ROAD

PCL. 199

LOT 19  
23,023 S.F.±

EXISTING WELL FIELD LOCATED

CATCH BASIN

EXISTING DWELLING  
T.O.FDN =  
EL. 00.00'±

DECK

BENCHMARK  
TOP OF CONC. BOUND  
EL. 82.0' M.S.L.±

C.B. FOUND

PROPANE  
TANK LID

EXISTING SEPTIC TANK

EXISTING LEACH PIT

ALDEN LANE

EXISTING WELL FIELD LOCATED

EXISTING WELL FIELD LOCATED

EXISTING WELL RECORD LOCATION

MAP 40  
PCL. 33

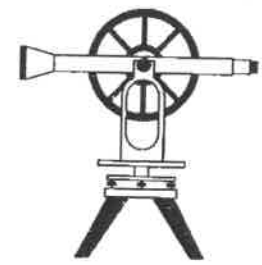
MAP 40  
PCL. 47

MAP 40  
PCL. 46

SURVEY PLAN REFERENCE:  
PLAN BOOK 264 PAGE 4  
THIS PLAN IS FOR SEPTIC SYSTEM  
DESIGN PURPOSES ONLY.  
THIS PLAN IS NOT FOR BOUNDARY  
DETERMINATION.  
PROPERTY OWNER AND  
CONTRACTORS TO VERIFY  
ALL WATER LINES AND GAS  
UTILITIES ON PROPERTY.

JASON C. ELLIS, R.S.

J.C. ELLIS DESIGN



P.O. BOX 81  
NORTH EASTHAM, MA 02651  
(508) 240-2220  
Email: jason@jcellisdesign.com

### SEPTIC SYSTEM UPGRADE PLAN

SUBJECT:  
**9 SOUTH HIGHLAND ROAD**  
TRURO, MA

PREPARED FOR:  
**MORRIS FAMILY TRUST**  
P.O. BOX 833  
NORTH TRURO, MA 02652

ASSESSOR'S  
MAP 39 PARCEL 198

DATE: NOVEMBER 4, 2022

SCALE: 1"=30'

SHEET 1 OF 1



Fee: \$75.00

PAID  
3345



TRURO HEALTH &  
CONSERVATION DEPARTMENT  
24 Town Hall Road, Truro 02666

V2022-22

**APPLICATION FOR BOARD OF HEALTH WAIVER OF TIME**  
BOH Reg. Section VI, Article 3(1)a. Required Upgrade Upon Property Transfer

Date: 10/27/22 Board of Health Hearing Date: 11/15/22  
Address of Property: 12 Twine Field Road  
Map & Parcel: 035-118  
Anticipated Date of Property Transfer: 11/18/22  
Length of Time Requested to Complete Upgrade: 90 Days  
Design Engineer/Sanitarian: Gregory A. Bunavicz, PE, PLS Phone #: 781-963-9500

HEALTH DEPARTMENT  
TOWN OF TRURO  
NOV 01 2022  
RECEIVED BY:

**SELLER'S INFORMATION:**

Seller/Property Owner's Name: Jil Clark  
Mailing Address: 36 Greenough St. #1, Jamaica Plain, MA 02130  
Phone #: [REDACTED] Fax: [REDACTED] Email: [REDACTED]  
Seller's R.E. Broker: Chris Nagle Phone #: [REDACTED]  
Email: [REDACTED]

**BUYER'S INFORMATION:**

Buyer's Name: Nick and Aditi Schretzman  
Mailing Address: 726 Washington Street, Apt. 4A, New York, NY 10014  
Phone #: [REDACTED] Fax: [REDACTED] Email: [REDACTED]  
Buyer's R.E. Broker: Michael Hall Phone #: [REDACTED]  
Email: [REDACTED]

**Please attach the following to this form: (1) a narrative explaining why you can't comply with Section VI, Article 3(1)a, Required Upgrade Upon Property Transfer, and (2) a statement from your engineer/designer, stating that they have been retained by the seller/buyer to complete the Title 5 upgrade.**

DocuSigned by:

Jil Clark

Signature (Property Owner)

10/27/2022

Date

Nick Schretzman

Signature (Buyer)

Aditi Schretzman

10/28/2022

Date

October 27, 2022

Town of Truro Health and Conservation Department  
Members of Truro Board of Health  
24 Town Hall Road  
Truro, MA 02666

To Members of the Board of Health,

As Seller of the property located at 12 Twine Field Road in North Truro, I am seeking a Waiver of Time for installation of a new septic system. The property requires a new IA Title 5 septic system, and I request for this to be installed after Transfer of Deed from Seller to Buyer. This involves funds to be held in escrow from proceeds of the sale, coordinated by attorneys and lender, to make certain the work is completed to specification. The need for a new system – and the expense – has come as a surprise, as the installer of the original Title V system did not install the system as designed – no distribution box and an undersized leach pit from what was specified. This is a very expensive system replacement and having the installation done with escrow money is the best viable financial option for me at this point in time.

This application requests a 90-day Waiver, and the Buyer is aware the house can not be occupied until the system is installed, inspected, and a Certificate of Compliance issued. The system has been designed, and a copy of the design is submitted here for your reference along with the application form for a Waiver of Time.

We are in the process of selecting a contractor for installation and that contractor will be submitting the plan for review and approval to the Health Agent within days. By the hearing date of 11/15, a contractor will be chosen, an application submitted, and barring any unforeseen condition – a system approved. Given preliminary discussions with the Health Department we do not anticipate issues.

Thank you for your consideration.

DocuSigned by:

*Jil Clark*

E2E5F4FFB95C4C1...

Jil Clark, Owner  
12 Twine Field Road

Date 10/27/2022



Borderland Engineering, Inc.  
5 Pear Tree Lane  
West Bridgewater, MA 02379  
781-963-9500

October 27, 2022

Town of Truro  
Board of Health  
24 Town Hall Road  
Truro, MA 02666

RE: 12 Twine Field Road – Septic System Upgrade

Dear Board Members,

This letter is to confirm that Borderland Engineering, Inc. has been retained by the seller of 12 Twine Field Road, North Truro (Jil Clarke), to provide engineering services pertaining to the Title V Septic System Upgrade.

Please contact me at my office at 781-963-9500 if I can be of assistance in any way.

Very truly yours,  
Borderland Engineering, Inc.

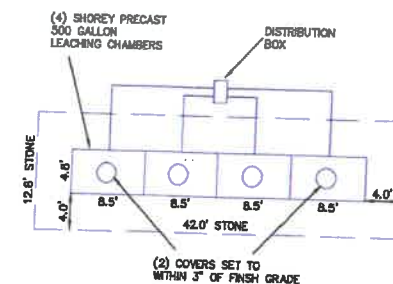
  
Gregory A. Bunavicz, P.E.  
President

MASSACHUSETTS COORDINATE SYSTEM  
GRID NORTH -- NAD 83

SOIL EVALUATOR:  
GREGORY A. BUNAWOZ, SE 2712  
BOARD OF HEALTH WITNESS:  
ARZANA DAVIS

REDUX: NONE  
WATER WEEPING: NONE  
WATER STANDING: NONE

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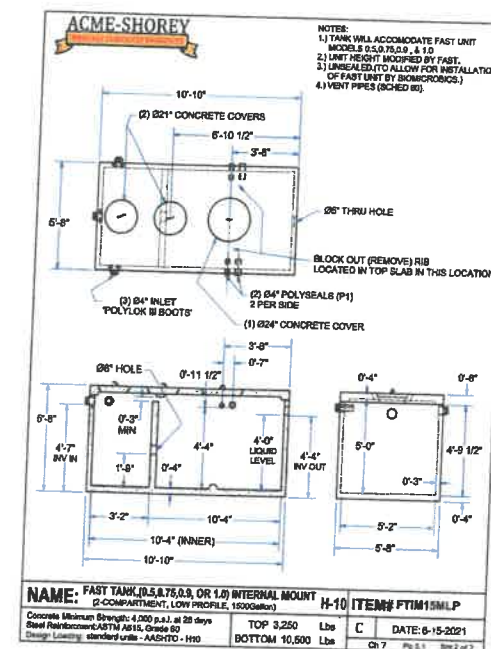
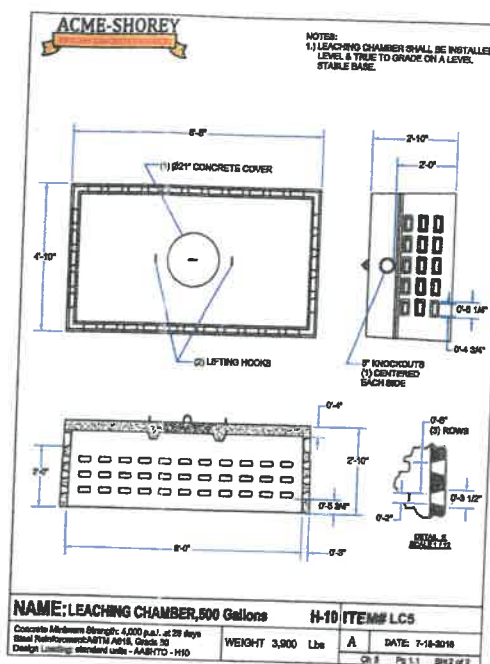
VICINITY MAP  
NTS

**COMPONENT DETAIL**  
1 INCH = 10 FEET

### LEACHING FACILITY DESIGN CRITERIA

TYPE OF BUILDING SINGLE FAMILY DWELLING  
# OF BEDROOMS 5  
MIN. DAILY FLOW 5 x 110 = 550 GPD  
PERC. DESIGN RATE < 2 MIN./INCH  
SOIL CLASS 1  
EFFLUENT LOADING RATE (GPD/SF) = 0.74

CALCULATION:  
 REQUIRED AREA = 550 GPD / 0.74 GPD/SF = 744 SF  
 BOTTOM AREA: 42' X 12.8' = 537 S.F.  
 SIDE AREA: (2) 2' X 42' = 168 S.F.  
 END AREA: (2) 2' X 12.8' = 51 S.F.  
 TOTAL AREA = 756 S.F.  
 DESIGN FLOW = 756 S.F. x 0.74 GPD/SF = 559 GPD



**NOTES:**

1. THIS LAND IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS, OR OTHER LIMITATIONS WHICH MAY BE RECALLED BY AN EXAMINATION OF THE TITLE.
2. THE OFFSETS AS SHOWN ON THIS PLAN ARE INTENDED TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES OR FOR THE ESTABLISHMENT OF ANY PROPOSED LOT DIVISIONS.
3. THIS PLAN WAS PREPARED FOR THE EXCLUSIVE USE AND PURPOSE FOR THE PARTY STATED HEREIN AND SHALL NOT BE USED BY ANY THIRD PARTY WITHOUT THE EXPRESSED WRITTEN PERMISSION OF BORDERS & ASSOCIATES ENGINEERING, INC.
4. THIS SITE DOES NOT FALL WITHIN A SPECIAL HAZARDOUS LOCATION ZONE AS DETERMINED BY FALCON COMMUNITY PANEL NUMBER 00000000398 EFFECTIVE DATE JULY 16, 2014.
5. IF THE SITES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROPRIATE, OTHER UTILITIES MAY EXIST BUT ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION IS UNAVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASSACHUSETTS LAW) MUST CONTACT ALL UTILITY PROVIDERS BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT (800)334-7233 (1-800-DIG-SAFE).
6. THE SYSTEM FOR THE SUBSURFACE DISPOSAL OF SANITARY SEWAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF 310 CMR 15.00 THE STATE DEPARTMENT OF ENVIRONMENTAL CONTROL, SYSTEM & MINIMUM REQUIREMENTS FOR THE SUBSURFACE DISPOSAL OF HEALTH REQUIREMENTS.
7. BUILDING SEWER PIPE AND FITTINGS SHALL BE SCHEDULE 40 POLY(VINYL CHLORIDE) PIPE MANUFACTURED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ASTM D3034. JOINTS SHALL BE GASKETED.
8. WASHED STONE AND OTHER SOLID MATERIALS SHALL BE LAID ON FIRM COMPACTED BASE.
9. WHENEVER SYSTEM IS TO BE CONSTRUCTED IN ZONES OF TOPSOIL & SUBSOIL OR OTHER DELICATEOUS MATERIAL, THE MATERIAL SHALL BE REMOVED AND SUBSOIL OR OTHER SYSTEM WHEN BELOW GRADE, AND 5' AROUND SYSTEM WHEN ABOVE GRADE. FILL MATERIAL SHALL BE CLEAN SAND OR SAND GRADATION WITH A PERCOLATION RATE OF 2 MIN/HOUR OR LESS. FREE OF DELETERIOUS MATERIAL, AND NO COMPACTER REQUIRED FOR SETTLEMENT.
10. NO CHANGES SHALL BE MADE IN THIS PLAN WITHOUT THE AUTHORIZATION OF THE ENGINEER BEFORE BOARD OF HEALTH.
11. A GASSETR ORDER SHALL NOT BE ALLOWED TO BE INSTALLED IN THE DWELLING ON A YEAR'S TIME NOW OR IN THE FUTURE.
12. ZASSEL FILTER IN TANK SHALL BE CLEANED EVERY A YEAR.
13. IT IS RECOMMENDED THAT SEPTIC TANKS BE INSPECTED FOR CLEANING EVERY 3 YEARS.
14. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE.
15. THE CONTRACTOR SHALL NOTIFY THE BOARD OF HEALTH AND ENGINEER IN WRITING 3 DAYS PRIOR TO START OF CONSTRUCTION.
16. THE PARCEL IS LOCATED IN A NITROGEN SENSITIVE AREA PER 310 CMR 15.01B.
17. THERE ARE NO PUBLIC WELLS WITHIN 100'; BODROWING CONTAINED WETLANDS WITHIN 150 FEET; LAND BANARS WITHIN 150 FEET; SURFACE WATERS WITHIN 50 FEET; SURFACE DRAINAGE CHANNELS, OPEN, SURFACE, SUBSURFACE, SURFACE OR FOUNDATION DRAINS WHICH INTERCEPT HIGH CREEPS OR SPRINGS WITHIN 100 FEET; SURFACE WATER WITHIN 100 FEET; DRAINAGE LEACHING CATCH BASINS OR DRY WELLS WITHIN 50 FEET; SURFACE WATER WITHIN 100 FEET; ANY SOURCE OF WATER WITHIN A REGULATORY FLOODWAY OR 100 FEET SURFACE WITHIN 100 FEET; UNLESS AS SHOWN ON THE PLAN.



Negoy A. Samsony

## REVISIONS

No.	DATE	DESCRIPTION
1	10-25-22	PER MICRO FAST REVIEW

**BORDERLAND ENGINEERING, INC.**

61 Pleasant Street, Studio B  
Randolph, MA 02368

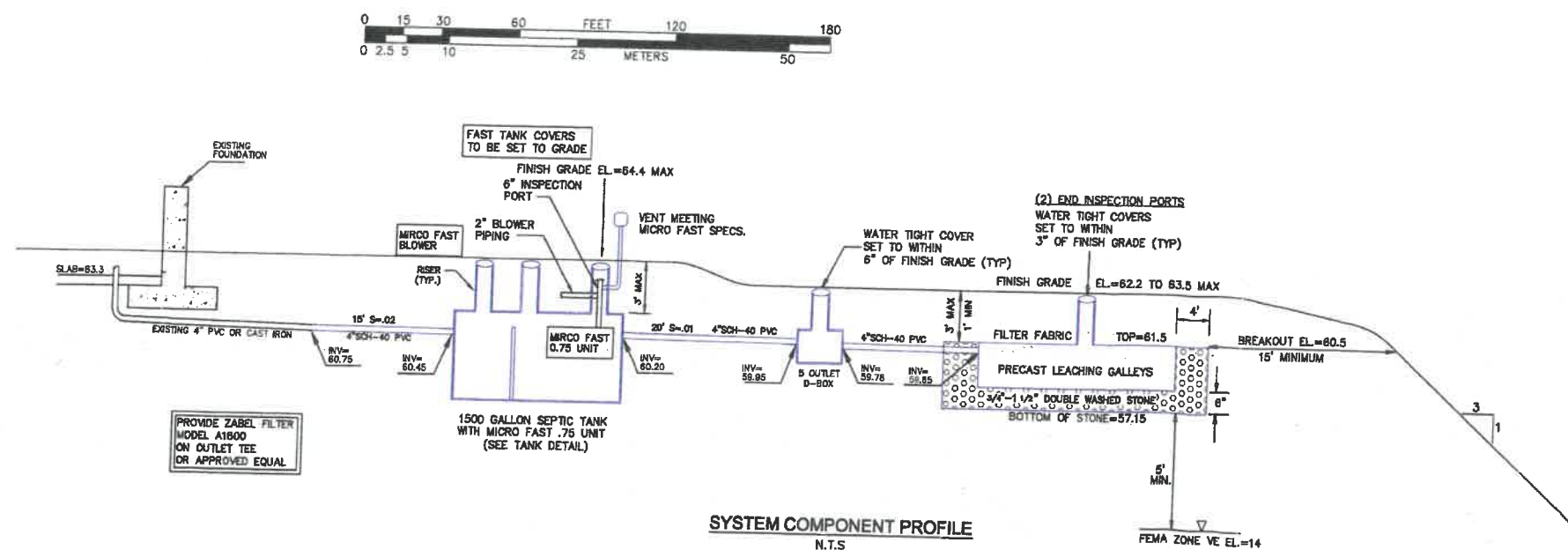
office 781-883-9600  
fax 888-568-4131

SEPTIC DESIGN PLAN  
IN  
NORTH TRURO, MASSACHUSETTS

12 TWINE FIELD ROAD

PREPARED FOR: JIL CLARK  
12 TWINE FIELD ROAD  
NORTH TRURO, MA 02652

DATE: OCT. 22, 2022 PROJECT NUMBER: P2895





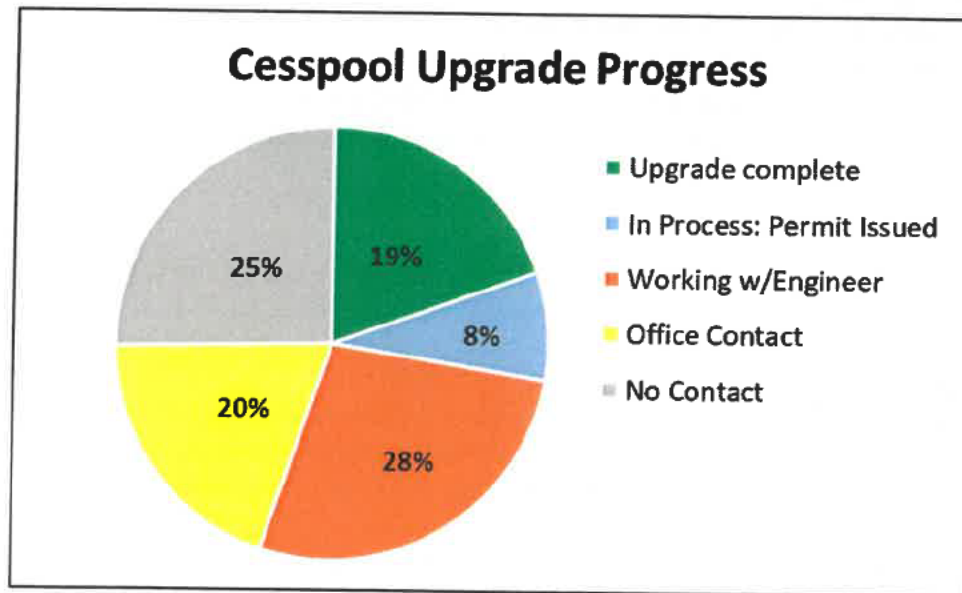
**TOWN OF TRURO**  
**HEALTH & CONSERVATION DEPARTMENT**  
24 Town Hall Road, Truro 02666  
508-349-7004 x119

Memo to: Truro Board of Health  
From: Emily Beebe, Truro Health & Conservation Agent  
Date: November 14, 2022  
Re: **Water Resources Update: November 2022**

**Regarding cesspool upgrades to Title 5**

To date, 27% of the properties with cesspools have either completed the upgrade process or have permits issued to do so. 28% are working with engineers and 20% have contacted our office with questions but may not yet be under contract with an Engineer/designer.

Our current challenge is making direct contact with the 44 homeowners who we have not yet heard from, so that we may assist them in their efforts to comply.



**FINANCING:**

The Barnstable County Health department has secured grant funding to enhance their septic loan program. They have not yet updated their program and anticipate offering interest rates from 0-5% based on income eligibility.

The Truro regional Housing Rehabilitation grant Program is now being administered by TRI, the Resource Inc. This program provides income-based assistance for homeowners needing to make critical home repairs including septic system upgrades. Call 508-694-6521 with questions, or go to their website: <https://www.theresource.org/truroeasthamprovincetown>



**Regarding Administrative Consent Orders (ACO's)** Revisions to the Board of Health regulations will be considered at their meeting of December 6. The revised local regulations, if adopted, would incorporate the use of ACO's to form legal agreements with property owners regarding the specific circumstances about their septic upgrade process. Once an understanding with a property owner has been forged, it will be discussed at a hearing with the Board of Health. Some ACO's will include establishing an escrow account, but all of them will include a compliance schedule that is specific and unique to each property.

**Regarding the Massachusetts Estuaries project (MEP)**

We have no additional information about the MEP since our October report was submitted but we continue to reach out.

**Regarding stormwater management-** We have no additional information at this time.

**Regarding Pond water quality:**

A use restriction and Public Health advisory for Snow Pond was issued on 10/26 and 11/3 by the Cape Cod National Seashore, and it was lifted on November 10.

**Regarding Private well water quality:**

Water testing kits are available at the Truro Health Department. Please call for a kit on Mondays, as the building is closed to the public on that day. A courier from Barnstable County lab picks up water samples on Tuesday and Thursday mornings each week at the Wellfleet Health Department at 220 West Main Street in Wellfleet. Please refer to the Truro Health department web page for more information on water testing your private well.

**Regarding MA DOT:**

The Outer Cape Conservation Agents are discussing a coordinated approach to engage the DOT about stormwater management.

**Water Resources discussion with Provincetown:**

The Select Board's of both Truro and Provincetown met on October 24 in Provincetown to hear an update about the Municipal Water Supply, the activities of the Municipal Water department, and future joint efforts regarding Water Resource Management. **Attachments:** 9-26-2022 Provincetown Water Superintendent's report; 10-17-2022 update from Truro DPW director regarding the water storage tank; an article from "Truro Talks", from Truro Town Manager Darrin Tangeman.



**TOWN OF PROVINCETOWN  
DEPARTMENT OF PUBLIC WORKS – WATER DEPARTMENT**

**Town of Provincetown & Truro, Massachusetts  
Select Board Joint Meeting  
Monday, October 24th, 2022**

## **Water System Update**



**WATER DEPT**





## PROVINCETOWN DEPARTMENT OF PUBLIC WORKS

# Memo

**To: Alex Morse, Town Manager**

**From: Cody J. Salisbury, Water Superintendent**

**CC: Dan Riviello, Asst. Town Manager; David Gardner, Asst. Town Manager; Jim Vincent, DPW Director**

**Date: September 26, 2022**

**Re: Water Department IMA w/ Truro, Future Water Needs**

---

Provincetown Water Department operates three wellfields within the Town of Truro, the most recent addition being the North Union Field well site located at 247 Old King's Highway in North Truro (placed in service 2013). The Inter-Municipal Agreement (IMA) between Provincetown and Truro was updated and executed in 2010, during which time Provincetown was working to finalize the plans for the North Union Field (NUF) site. Once NUF was placed in service in 2013, Provincetown Water Department was finally able to meet peak demands with all of our own sources for the first time in forty years. Previously, Provincetown operated under a Declaration of Water Supply Emergency and was forced to pump water from the former North Truro Air Force Base (NTAFB) wells within the National Seashore. The IMA included the addition of three elected members on the Water & Sewer Board from the Town of Truro. Further, the current IMA agrees that Provincetown will not increase the area within the Town of Truro for well sites beyond what was existing in December 1981 (with the exception of NUF). It further restricts Provincetown from constructing new wells within the present sites without seeking prior approval from Truro.

In 2019, Provincetown approved an extension of the existing distribution system in Truro in order to serve an affordable housing project, effectively known as the "Cloverleaf" project. Unfortunately litigation has delayed the project and the water main remains unused for domestic purposes, although fire protection from hydrants is available. Within the last year, Truro has engaged a consulting engineer to evaluate the feasibility of further extending a water main to serve Pond Road and Twine Field Road in North Truro. The Water Department has cooperated with Truro's consulting engineers by providing water pressure data and existing pipe sizing in the area; however we have instructed that in order to serve other areas of North Truro it is necessary to construct a water storage facility (i.e. tank) to rectify deficient fire flows and provide additional storage capacity.

Also in 2019, the Town of Truro finalized the purchase of a large parcel of land, approximately 60 acres, that directly abuts the NUF well site (formerly known as the Walsh property). The NUF site is a 99-year lease arrangement with the Town of Truro, with the exception of Provincetown owning a ~6.5 acre parcel encompassing a portion of the Zone I

wellhead protection area. Provincetown owns this portion because it was previously private land, and MassDEP regulations require the water supplier to own the Zone 1 area; the remainder of the Zone 1 is owned by the Town of Truro and was acceptable as it was not privately held. Truro has formed a thirteen member committee in order to evaluate the future use of this parcel, with affordable housing development a primary goal.

The former Walsh property is an outstanding site for water supply wells. It is surrounded by limited development and also abuts National Seashore property. The site is large enough to provide complete Zone 1 protection within the parcel, for multiple wells, a very difficult thing to achieve. The groundwater in the area is excellent, it is located at the peak location of the Pamet lens. Any future development on the site in close proximity to the existing NUF wells could be detrimental to long term water quality. I strongly believe any development for housing purposes should be located close to the Route 6 corridor, leaving the vast majority of the parcel for watershed protection and future water supply purposes. This site also provides the possibility of constructing a water storage facility, as not only is the ground elevation of the property a viable option, but the remoteness of the site offers the ability for a tank to be virtually unseen.

Regarding capital improvements within Truro, the current IMA states (page 3, paragraph 4) "The town of Provincetown further agrees to obtain the permission of the Town of Truro for any capital improvements to the Provincetown Water System in Truro. Such capital improvements must be mutually agreed upon by the Town of Truro Board of Selectmen and the Town of Provincetown Board of Selectmen before any implementation. In consideration of Truro's agreement to lease to Provincetown the land identified in Section 2 of this agreement, the Town of Truro shall not be responsible for any past or future capital improvements incurred in the development of the Provincetown Water System." The current IMA does not explicitly outline cost responsibility for future expansion of the current water system in order to serve additional ratepayers in Truro. Truro is investigating probable costs associated with a storage facility as well as expanding the current distribution in Truro in order to serve the areas previously mentioned, with the intention to fund these projects, I assume, by their taxpayers. However, long term questions remain, such as who retains ownership of the asset(s)? What is the long term outlook for demand/expansion in Truro? Is it feasible to serve the needs of both communities with the current supply capacity?

Provincetown Water Department is currently working with our consulting engineers of record, Environmental Partners (EP), to formulate a water demand forecast, which is expected to be completed within 4-6 months. However, this is specifically targeting the areas served in Provincetown as several development projects are in the queue, and several vacant and underdeveloped parcels remain. The demand analysis will provide data related to how much more development can occur within the limitations of our remaining withdrawal and production capacity, while still providing a reasonable "buffer". In order to serve the future requirements of both communities, planning for future supply availability needs to begin now, as new source investigation and planning takes several years and significant funding.

As conversations continue regarding expanding the area Provincetown Water Department currently serves, at a minimum the IMA likely needs to be evaluated and revised. Long term, perhaps the structure of the Department as a whole will require evaluation, as to whether it remains under municipal operation with three elected board members from Truro (Water & Sewer Board), or if a district operation is more equitable to serve the future requirements of both communities.

In conclusion, the Town of Truro has an appetite to expand the current system arrangement in North Truro in order to serve residents of the Town and support their affordable housing needs. Provincetown continues to experience growth through condominium conversions and new housing projects, coupled with a town wide sewer expansion project that may allow further development that could not be realized previously. All of the above continues to add demand on the water system, particularly in the peak-season when usage is the highest. Since the addition of NUF in 2013, Provincetown Water Department has not been required to operate under a Declaration of Water Supply Emergency and operate the former NTAFB wells. The water demand analysis project which is currently underway is expected to provide data regarding how much growth is sustainable under the current water withdrawal permit and peak-season pumping capabilities. The former Walsh property that the Town of Truro acquired is a prime site for watershed protection and future water supply that has the potential to provide the future needs of both communities. As a stakeholder in the future use of the property, Provincetown Water Department deeply encourages a large portion be protected from development in order to protect groundwater and secure a future source if needed.



**TOWN OF TRURO**  
**Department of Public Works**  
**P.O. Box 2030, Truro MA 02666**  
**Tel: 508-349-2140**

October 17, 2022

RE: Water Storage Tank

The Town contracted with Horsley Witten to conduct a water storage tank site suitability analysis. As part of the study Horsley Witten reviewed the WaterCAD model provided by the Town and other information related to the proposed water storage tank provided by the Provincetown Water Department. The model related to the water demands, fire flow and system pressure will be reviewed, and Horsley Witten will evaluate the Walsh parcel as a possible site for a storage tank and compare it with the previous recommended site located at 344 Route 6. The initial findings will be discussed with the Town before finalizing the study. Horsley Witten will also check the storage tank sizing requirements and make a recommendation with a probable cost estimate. The water tank modeling work should be in early December 2022.

Sincerely,  
Jarrod Cabral,  
Director  
Department of Public Works





# Truro Talks

## TRURO'S OFFICIAL NEWSLETTER

November 2022 Edition

### From the Desk of the Town Manager

*Town Manager, Darrin Tangeman*

The Town of Truro Select Board and Administration conducted their annual joint meeting with the Provincetown Select Board, Administration, and Water Superintendent on October 24, 2022, at Provincetown Town Hall to discuss water and future planning and development. This meeting was intended to discuss the annual water department report that included average annual daily usage, water production, and demand trends.

A key element of this discussion was related to future projected growth in both Provincetown and Truro and whether the current water production capacity of 850,000 gallons and average daily use at 700,000 gallons per day will be able to meet future demand.

As part of this discussion, Provincetown is predicting as many as 1,000 new units over the next 15 years and Truro is initially projecting between 200-300 new units over the next 15 years, with the Walsh property and other town-owned lands in play. As a result, the Town of Truro will seek to include itself in Provincetown's water demand analysis that is underway so that a more holistic approach can be taken with both towns.

Based on initial analysis, we are already seeing development projections tipping the scales of future water production, so we need to begin immediate discussions on future well expansion, which can take as much as 5 years to achieve.

We are very pleased with the cooperation and collaboration both towns are experiencing on this very critical issue and there is no doubt that both towns are sensitive to the production limitations and future quality of our current water supply. Truro's experienced and respected water resource consultant, Scott Horsley, is examining both water quality issues and comprehensive wastewater management planning for the town. He has also peer-reviewed a recent citizen-funded water resource report on future water quality and capacity.

Mr. Horsley makes a strong case that it is possible to provide for both housing development and the long-term protection of public drinking water of the Walsh property with careful planning and design. He asserts that 200 units on Walsh property is very feasible and safe with the implementation of stringent land use controls and appropriate wastewater treatment technology.

Possible methods to achieve these 200 units would be to include the development of a cluster/neighborhood wastewater treatment facility that would result in a net water quality improvement over the existing condition. This would be achieved through the collection of



# Truro Talks

## TRURO'S OFFICIAL NEWSLETTER

untreated wastewater sources within the Zone 2 protection area and including it within this wastewater treatment facility. Mr. Horsley's analysis and modeling indicate this could result in a net reduction of nitrogen loading within the Zone 2 area and a net water quality benefit and enhanced protection for the public water supply.

We look forward to jointly working with Provincetown to safely and responsibly secure adequate water production capacity, protect the quality of the water supply, and comprehensively address our wastewater management requirements over the next year.

Sincerely,

Darrin K. Tangeman, ICMA-COM  
Town Manager

**Minutes of the Truro Board of Health, Tuesday October 18, 2022**

This was a remote meeting.

**Board members in attendance:**

Chair Tracy Rose, Vice Chair Jason Silva; Board Members: Helen Grimm, Brian Koll, Tim Rose, and Alternate Candida Monteith; Also Present: Health Agent Emily Beebe, Assistant Health Agent Courtney Warren

The meeting was called to order at 4:30 PM by the Chair, who described the remote meeting procedures and the process for public participation.

**PUBLIC COMMENT:**

Clint Kershaw asked if information about the water feasibility study would be presented during the water resources report. The Agent stated that she would contact Mr. Kershaw the next day.

**Municipal water service connection request:** Stones Throw Condominiums, 6 Shore Road; Barbara Correa and Pat Rooney, Stones Throw Condominium Trustees, were present to discuss their request. PFAS compounds were detected in the condominium's public water supply well, and the concentration has triggered monthly water testing. The levels are at/over 20 ppt so an action plan was prepared. The short-term plan includes providing approved bottled water to sensitive sub-groups such as pregnant women and immune-compromised individuals. The long-term plan is to install a filtration system or connect to the municipal water system. Connecting to municipal water is the preferred plan. The trustees have contacted the Provincetown Water Department and were told that a connection is probably feasible. The water line would need to be extended about 500 feet and an assessment of the existing conditions of the distribution system will be explored. The Health Agent inquired about the filtration system option. Pat Rooney explained that both of their wells would require filtration and likely lead to reconfiguration of their well house. The cost is estimated to be \$50-60,000. The board discussed the issue and concluded that they needed more information before making a decision.

**Motion:** Board Member Brian Koll moved to continue the matter until the November 1, 2022 meeting; **Second:** Board Member Tim Rose; **Vote 5-0-0, Motion approved.**

**Local Waiver request:** (request for waiver of time for the septic upgrade relative to the transfer of deed) 71 North Pamet Road, Truro Conservation Trust

Fred Gaechter was on the call to discuss the request. The Conservation Trust has acquired the property through the Estate of Nancy Fales. Since the house is in good condition, the Trust is interested in making the property available for either workforce or affordable housing. However, the property is served by a cesspool and must be upgraded prior to transfer. The Trust is seeking a waiver of time (8 months) to allow the installation of the new system to happen after the property transfer, which will take place before the end of the year. Chair Tracy Rose stated the Board's standard condition, that the house shall not be lived in until the upgrade is completed; Mr. Gaechter agreed.

**Motion:** Board Member Helen Grimm moved to grant a waiver of time until June 30<sup>th</sup> 2023; **Second:** Board Member Tim Rose; **Vote 5-0-0, Motion approved.**

**Appeal of Health Agents decision:** (relative to system inspection failure) 11 Snow's Field Road, owned by Edward and Barbara Oswalt. Mr. Oswalt submitted the certificate of compliance for

his title 5 septic system that was issued in 1975 by a past Truro Health Agent. A recent septic system inspection shows that the system is functioning, but no plan is on file for this system which is a failure of the system. Mr. Oswalt is asking the Board of Health for permission to "reverse-engineer" a plan to demonstrate that the system meets the Title 5 requirements. The Board discussed the matter and concluded that a reverse engineered plan could be submitted. The plan will need to include test holes, location of all components, and setbacks. The applicant shall submit the reverse engineered plan to the Truro Health Department to prove compliance with the Title 5 regulations.

**Motion: Board Member Brian Koll moved to approve the request; Second: Board Member Helen Grimm; Vote: 4-0-1 with board member Tracey Rose abstaining; the motion passed.**

#### **Board of Health Regulation revisions:**

The Health Agent reviewed the latest regulation revisions.

- Discussed definition of "usable space" with the goal of requiring septic inspection upon any proposal to add usable space. This broader net for triggering septic inspections is useful for catching problems early before they become more serious public health issues.
- Adjusted the definition of remedial use
- Discussed date for upgrade of non-conforming systems in sensitive areas/near wetlands, decided not to set a date at this time
- Reviewed possible scenarios for Administrative Consent Orders and proposed escrow amounts
- Discussed wording that eliminates the grandfathering of systems that went in the ground as Title 5 was changing. This rewording will not allow properties to be grandfathered in terms of nitrogen loading
- A final vote will occur at a later meeting or public hearing and then the regulations will be advertised

#### **Water Resources Update: October 2022**

- The Health Agent reviewed the progress of the cesspool upgrades.
- The agent also discussed the estuary project and the possibility of setting Total Maximum Daily Limits for nitrogen for the Pamet and East Harbor areas. A TMDL is the maximum amount of a contaminant, in this case nitrogen, that can be received by a water body.
- The staff conducted stormwater sampling during recent heavy rain events.
- On Saturday October 15 the Agent and the Chair attended the new "Friends of Village Pond" kickoff event.
- The Agent reminded the Board about the upcoming joint meeting of the Truro and Provincetown Select Boards to on October 24<sup>th</sup> in Provincetown; the meeting will feature updates on the municipal water supply and future efforts around water resources management.

**MINUTES:** September 6, 2022

**Motion: Board Member Brian Koll moved to approve the minutes. Second: Board Member Jason Silva; Vote: 5-0; the motion passed.**



**Report of the Chair:**

Tracey attended the Truro Housing authority meeting on October 13. The Chair would like the Board of Health to be involved with the development of the Housing Production Plan. She felt it is important that the Public to have the information about how they might add an ADU to their property. She let them know that there are loan programs available. The Chair suggested that the Board of Health would like to make comments on the plan is still open.

**Health Agent's Report:**

The Agent described the upcoming joint meeting of the Outer Cape Boards of Health. The topic of the joint meeting will be the public health needs assessment. The meeting is in-person/virtual hybrid and is scheduled for 12/14/22 at 5pm at the Provincetown Town Hall in the judge Walsh Hearing Room.

The Agent informed that Board that she was working on language to change the Dog-Leash Bylaw and would report back.

The Agent gave the locations of upcoming Outer Cape vaccination clinics (offering both flu and bivalent COVID-19 boosters) on October 27; November 10 and November 17. The clinics are coordinated between the Outer Cape Towns.

Board Member Brian Koll reported about COVID-19, and the upcoming season of being indoors. The Chair asked about vaccinations that include more than 1 shot at a time. Dr. Koll said that medically, the immune system can manage them. He did recommend that if having both shots at the same time to have them given in different arms.

Board member Helen Grimm expressed her thanks to the Chair for her participation with the Truro Housing Authority.

**Motion: Member Tim Rose moved to adjourn the meeting; Second: Member Helen Grimm; Vote: 5-0-0; the meeting was adjourned at 6:36 PM.**

Respectfully submitted by Nina Richey

