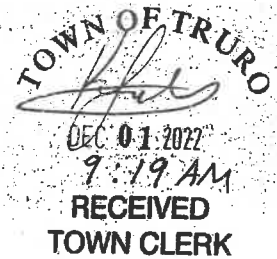




# Truro Board of Health

Tuesday December 6, 2022  
Remote Meeting 4:00-5:00 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. **Variance Request/Local Upgrade Approval:** 5 Ryder Beach Way, Striar Family LLC (continued from 11/1/2022)
2. **Variance Request/Local Upgrade Approval:** 108 Slough Pond Road (continued from 11/15/2022)
3. **Inspection report discussion:** 11 Snows Field Rd
4. **Water Resources Update:** November 2022 (continued from 11/15/2022)
5. **Future Agenda Items for upcoming meetings**

**III. MINUTES:** October 18, 2022

## IV. REPORTS

- Report of the Chair
- Health Agent's Report

**Nina Richey**

---

**From:** Linda Pinto <linda@csn-eng.com>  
**Sent:** Friday, December 02, 2022 10:47 AM  
**To:** Nina Richey  
**Subject:** 108 Slough Pond Rd. continue hearing

We would like to continue the hearing that is scheduled for Dec. 6<sup>th</sup> to be heard Dec. 20<sup>th</sup>. If you need anything else please let me know. Thank you!

Linda

Linda J.Cronin, P.E.  
CSN Engineering  
P.O. Box 201  
Brewster, MA 02631  
(508) 896-1783

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.

HEALTH DEPARTMENT  
TOWN OF TRURO  
DEC 02 2022  
RECEIVED BY:

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46-234



# CERTIFICATE OF ANALYSIS

## Barnstable County Health Laboratory (M-MA009)

Recipient: Susan McCabe  
Kinlin Grover RE  
PO Box 862  
Truro, MA 02666

Order No.: G22236087  
Report Dated: 11/30/2022  
Submitter: Susan McCabe  
Description: 11 Snowfield Rd.- Ammonia

**Laboratory ID#: 22236087-01**

Sample #:   
Collection Address: 11 Snowfield Rd., Truro  
Sample Location: M46/P234

Matrix: Water - Drinking Water  
Sampled: 11/29/2022 8:30 By: SM  
Received: 11/29/2022 11:25 By: Ryan  
Turn Around: 48 Hr Rush

### Test Parameters

<u>ITEM</u>	<u>RESULT</u>	<u>UNITS</u>	<u>RL</u>	<u>MCL</u>	<u>METHOD #</u>	<u>ANALYST</u>	<u>TESTED</u>	<u>TIME</u>
Ammonia as Nitrogen	ND	mg/L	0.25		EPA 350.1	AB	11/30/2022	11:01

Attached please find the laboratory certified parameter list.

Approved By:   
(Lab Manager)

46-234



# CERTIFICATE OF ANALYSIS

Barnstable County Health Laboratory (M-MA009)

Recipient: Susan McCabe  
Kinlin Grover RE  
PO Box 862  
Truro, MA 02666

Order No.: G22235348  
Report Dated: 10/11/2022  
Submitter: Susan McCabe  
Description: RE Kit- 11 Snows Field Rd.

**Laboratory ID#: 22235348-01**

Sample #:   
Collection Address: 11 Snows Field Rd., Truro  
Sample Location:

Matrix: Water - Drinking Water  
Sampled: 09/29/2022 8:45 By: SM  
Received: 09/29/2022 11:00 By: Ryan  
Turn Around: Standard

**Routine**

ITEM	RESULT	UNITS	RL	MCL	METHOD #	ANALYST	TESTED	TIME
Nitrate as Nitrogen	0.22	mg/L	0.10	10	EPA 300.0	CL	09/30/2022	
Copper	0.11	mg/L	0.10	1	EPA 200.8	CL	10/07/2022	12:45
Iron	ND	mg/L	0.10	0.3	EPA 200.8	CL	10/07/2022	12:45
Manganese	ND	mg/L	0.025	0.05	EPA 200.8	CL	10/07/2022	12:45
Sodium	15	mg/L	2.5	20	EPA 200.8	CL	10/07/2022	12:45
Total Coliform	Absent	P/A	0	0	SM 9223B	RG	09/29/2022	16:32
Conductance	140	umohs/cm	2.0		EPA 120.1	LX	09/29/2022	15:14
pH	5.9	PH AT 25C	NA		SM 4500-H-B	LX	09/29/2022	15:14

*Based on the results of the parameters tested, the water is suitable for drinking.*

Attached please find the laboratory certified parameter list.

Approved By:   
(Lab Manager)

HEALTH DEPARTMENT  
TOWN OF TRURO  
OCT 17 2022  
RECEIVED BY:



# CERTIFICATE OF ANALYSIS

## Barnstable County Health Laboratory (M-MA009)

Recipient: Susan McCabe  
 Kinlin Grover RE  
 PO Box 862  
 Truro, MA 02666

Order No.: G22235348  
 Report Dated: 10/11/2022  
 Submitter: Susan McCabe  
 Description: RE Kit- 11 Snows Field Rd.

<b>Laboratory ID#:</b> 22235348-01	<b>Matrix:</b> Water - Drinking Water
<b>Sample #:</b>	<b>Sampled:</b> 09/29/2022 8:45 By: SM
<b>Collection Addr:</b> 11 Snows Field Rd., Truro	<b>Received:</b> 09/29/2022 11:00 By: Ryan
<b>Sample Location:</b>	<b>Turn Around:</b> Standard
<b>Analyst:</b> LX Method: EPA 524.2 Dilution: 1	<b>Date Analyzed:</b> 10/03/2022 @

### EPA 524.2 - Volatile Organics by GC/MS

Parameter	Result ug/L	MCL ug/L	MDL ug/L	Parameter	Result ug/L	MCL ug/L	MDL ug/L
Dichlorodifluoromethane	ND		0.50	Chloroethane	ND		0.50
Chloromethane	ND		0.50	Chloroform	1.2	70	0.50
Vinyl chloride	ND	2.0	0.50	cis-1,2-Dichloroethene	ND	70	0.50
Bromomethane	ND		0.50	cis-1,3-Dichloropropene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50	Dibromochloromethane	ND		0.50
1,1,1-Trichloroethane	ND	200	0.50	Dibromomethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50	Ethylbenzene	ND	700	0.50
1,1,2-Trichloroethane	ND	5.0	0.50	Hexachlorobutadiene	ND		0.50
1,1-Dichloroethane	ND		0.50	Isopropylbenzene	ND		0.50
1,1-Dichloroethene	ND	7.0	0.50	Methylene chloride	ND	5.0	0.50
1,1-Dichloropropene	ND		0.50	Methyl-tert-butyl ether	ND		0.50
1,2,3-Trichlorobenzene	ND		0.50	Naphthalene	ND		0.50
1,2,3-Trichloropropane	ND		0.50	n-Butylbenzene	ND		0.50
1,2,4-Trichlorobenzene	ND	70	0.50	n-Propylbenzene	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50	p-Isopropyltoluene	ND		0.50
1,2-Dibromo-3-chloropropane	ND		0.50	sec-Butylbenzene	ND		0.50
1,2-Dibromoethane (EDB)	ND		0.50	Styrene	ND	100	0.50
1,2-Dichlorobenzene	ND	600	0.50	tert-Butylbenzene	ND		0.50
1,2-Dichloroethane	ND	5.0	0.50	Tetrachloroethene	ND	5.0	0.50
1,2-Dichloropropane	ND		0.50	Toluene	ND	1000	0.50
1,3,5-Trimethylbenzene	ND		0.50	Total xylenes	ND	10000	0.50
1,3-Dichlorobenzene	ND		0.50	trans-1,2-Dichloroethene	ND	100	0.50
1,3-Dichloropropane	ND		0.50	trans-1,3-Dichloropropene	ND		0.50
1,4-Dichlorobenzene	ND	5.0	0.50	Trichloroethene	ND	5.0	0.50
2,2-Dichloropropane	ND		0.50	Trichlorofluoromethane	ND		0.50
2-Chlorotoluene	ND		0.50				
4-Chlorotoluene	ND		0.50				
Benzene	ND	5.0	0.50				
Bromobenzene	ND		0.50				
Bromochloromethane	ND		0.50				
Bromodichloromethane	ND		0.50				
Bromoform	ND		0.50				
Carbon tetrachloride	ND	5.0	0.50				
Chlorobenzene	ND	100	0.50				

Compound	% Recovered	QC Limits (%)	
1,2-Dichlorobenzene-d4	100%	70	130
p-Bromofluorobenzene	84%	70	130

Attached please find the laboratory certified parameter list.

Approved By:   
 (Lab Director)



# TOWN OF TRURO

HEALTH DEPARTMENT  
P.O. Box 2030, Truro MA 02666

Tel: 508-349-7004 x119 or x132 Fax: 508-349-5508

October 19, 2022

Edward & Barbara Oswalt  
11 Snows Field Rd  
Truro, MA 02666

**RE: Appeal of Health Agents decision relative to a non-conforming system at 11 Snows Field Rd, (Map 46, Parcel 234)**

Dear Mr. & Mrs. Oswalt:

Please be advised that the Truro Board of Health at their regularly scheduled meeting on October 18, 2022 made a motion regarding the above-referenced request.

**FOR YOUR INFORMATION THE MOTION STATED:**

**Mr. Koll moved to allow a reverse engineered plan of the existing system. Upon review of this plan to ensure compliance with Title 5, the system shall be deemed passing.**

**Seconded by Ms. Grimm.**

**Vote: 4-0-1, motion carries.**

Reverse Engineered Plan must show:

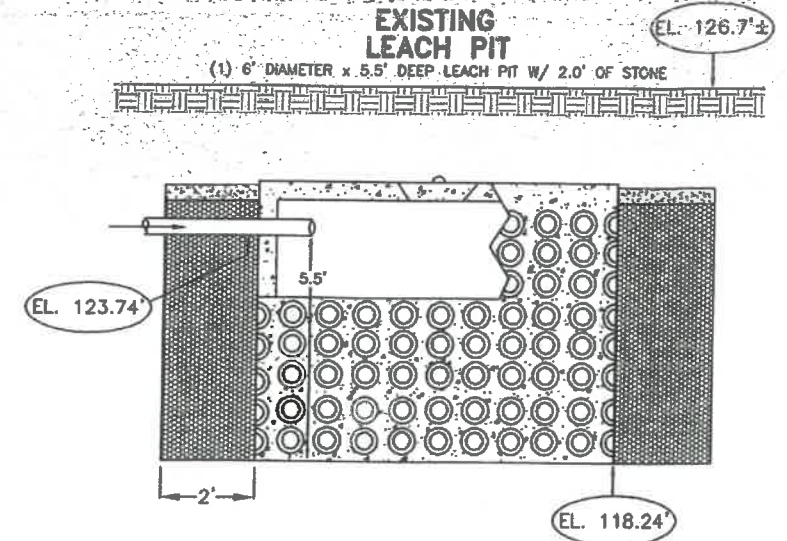
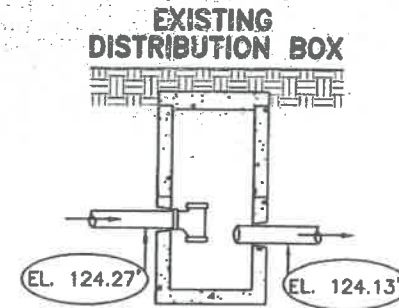
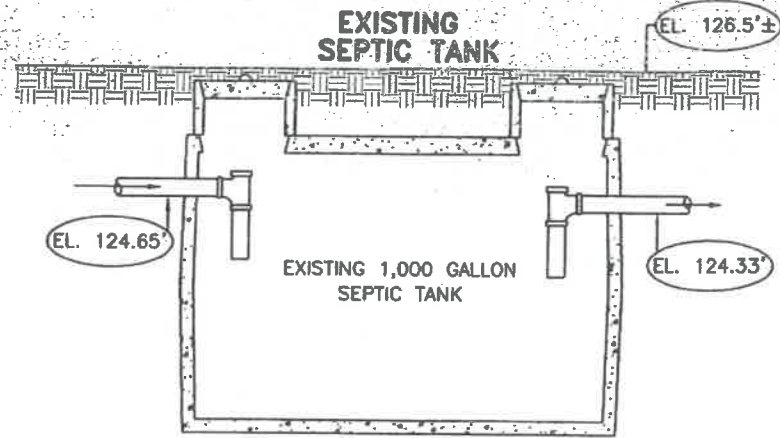
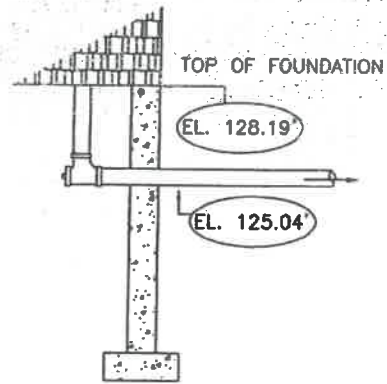
- Location of components
- Invert elevations
- All setbacks to wells, structures, etc.
- Show a reserve area compliant with the 1995 Title V code
- Design calculations
- Minimum of one test hole with perc test

Should you have any questions, please feel free to contact me at 774-383-3393 or at [cwarren@truro-ma.gov](mailto:cwarren@truro-ma.gov).

Sincerely,  
Courtney Warren, Assistant Health Agent

# SECTION DETAIL - COMPONENTS

NOT TO SCALE



## DESIGN CALCULATIONS

### FLOW RATE:

3 BEDROOM DWELLING = 330 G/P/D REQUIRED  
(110 G/P/D PER BEDROOM x 3 BEDROOMS)  
NO GARBAGE GRINDER

### EXISTING SEPTIC TANK:

330 G/P/D x 1.5 = 495 G/P/D REQUIRED  
EXISTING 1000 GALLON SEPTIC TANK  
\*CALCULATIONS BASED ON 1978 TITLE 5 CODE.

### SOIL ABSORPTION SYSTEM:

PERC RATE = <2 MIN/IN - CLASS I SOIL  
SIDEWALL =  $5.5 \{ 2(3.14)(5) \} (2.5) = 431.75$  S.F.  
BOTTOM:  $(3.14)(5 \times 5)(1.0) = 78.5$  S.F.  
 $(431.75 + 78.5) = 510.25$  G/P/D  
(1) 6' DIAMETER x 5.5' HIGH LEACH PIT W/ 2.0' OF STONE.  
\*CALCULATIONS BASED ON 1978 TITLE 5 CODE.

## NOTES

- ELEVATION DATUM IS FROM USGS QUAD MAP.
- MUNICIPAL WATER IS NOT AVAILABLE.
- THIS IS NOT A CERTIFIED PLOT PLAN AND UNDER NO CIRCUMSTANCES IS THIS PLAN TO BE USED FOR BUILDING OR ZONING PURPOSES.

## DEEP HOLE DATA

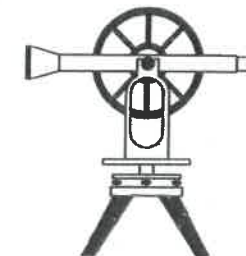
PERFORMED BY: JASON C. ELLIS, R.S., S.E.  
WITNESSED BY: AROZANA DAVIS, TRURO BOH  
TEST DATE: OCTOBER 24, 2022

#1		#2	
DEPTH	ELEV.	DEPTH	ELEV.
0.00'	126.19'	0.00'	125.88'
0.75'	125.44'	0.5'	125.38'
2.5'	123.69'	1.08'	124.8'
11.66'	114.53'	3.16'	122.72'
NO WATER ENCOUNTERED		NO WATER ENCOUNTERED	



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 AS-BUILT PLAN

SUBJECT:

11 SNOW'S FIELD ROAD  
TRURO, MA

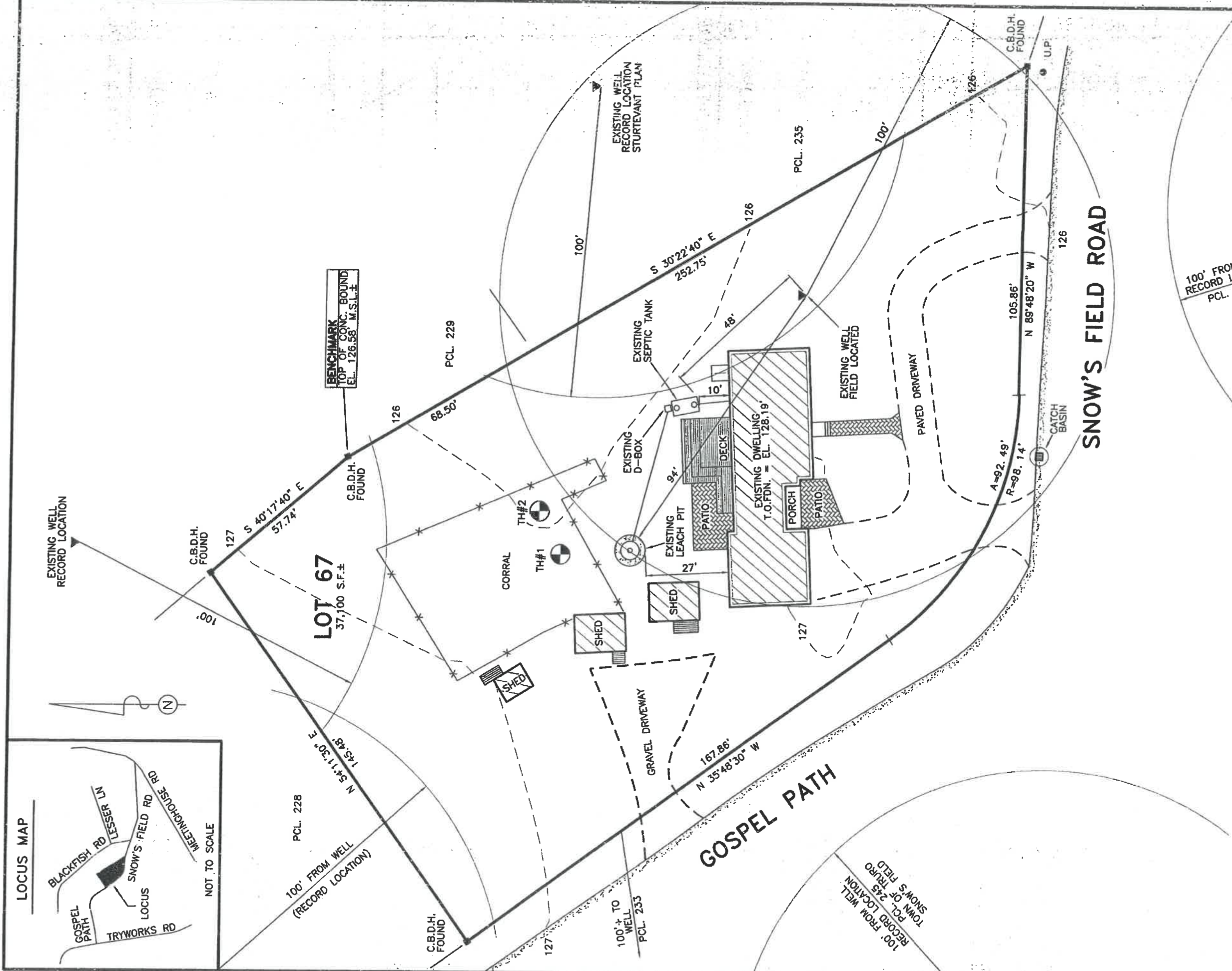
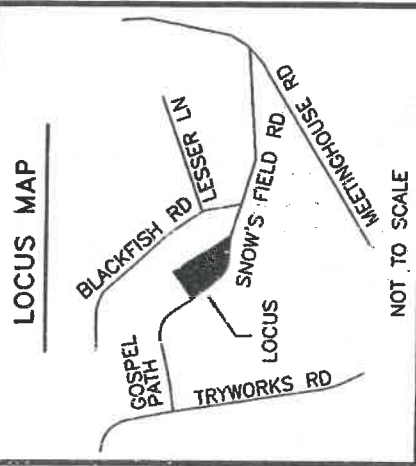
PREPARED FOR:

EDWARD & BARBARA OSWALT  
P.O. BOX 250  
TRURO, MA 02666-0250

ASSESSOR'S  
MAP 46 PARCEL 234

DATE: NOVEMBER 7, 2022

SHEET 2 OF 2



**SEPTIC SYSTEM AS-BUILT PLAN**

SUBJECT: **11 SNOW'S FIELD ROAD**  
TRURO, MA

PREPARED FOR:  
**EDWARD & BARBARA OSWALT**  
P.O. BOX 250  
TRURO, MA 02666-0250

ASSESSOR'S  
MAP 46 PARCEL 234

DATE: NOVEMBER 7, 2022

SCALE: 1"=30'

SHEET 1 OF 2

SURVEY PLAN REFERENCE:  
PLAN BOOK 174 PAGE 85  
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.

100' FROM WELL  
RECORD LOCATION  
PCL. 246

100' FROM WELL  
RECORD LOCATION  
PCL. 245  
SNOW'S FIELD  
TOWN OF TRURO

100'± TO  
WELL  
PCL. 233

CATCH  
BASIN

A=92.49'  
R=98.14'

105.86'  
N 89°48'20" W

EXISTING DWELLING  
T.O.FDN. = EL. 128.19'

EXISTING  
D-BOX

EXISTING  
SEPTIC TANK

EXISTING WELL  
FIELD LOCATED

EXISTING WELL  
RECORD LOCATION  
STURTEVANT PLAN

BENCHMARK  
TOP OF CONC. BOUND  
EL. 126.58' M.S.L.±

**LOT 67**  
37,100 S.F.±

**SNOW'S FIELD ROAD**

**GOSPEL PATH**

100' FROM WELL  
(RECORD LOCATION)  
PCL. 228  
N 54°11'30" E 145.46'

100'  
S 40°17'40" E 57.74'  
C.B.D.H. FOUND

126

68.50'  
PCL. 229

100'

S 30°22'40" E 252.75'  
126

PCL. 235

100'

126

C.B.D.H. FOUND

U.P.





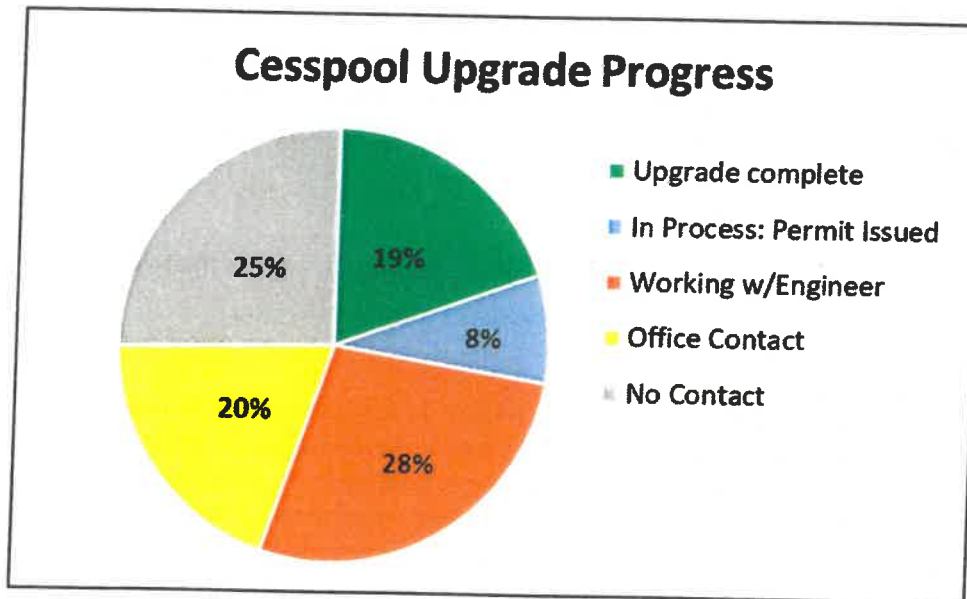
TOWN OF TRURO  
HEALTH & CONSERVATION DEPARTMENT  
24 Town Hall Road, Truro 02666  
508-349-7004 x119

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