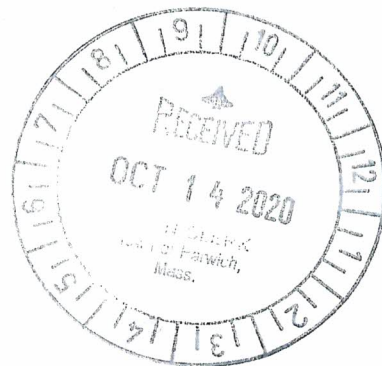


TOWN OF HARWICH



BOARD OF HEALTH
732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us



TOWN OF HARWICH BOARD OF HEALTH
TUESDAY, OCTOBER 20, 2020-6:30 P.M.
HARWICH TOWN HALL – REMOTE MEETING

As required by law, the Town may audio or video record this meeting. Any person intending to either audio or video record this open session is required to inform the Chair

Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §20, and the Governor's March 15, 2020 Order imposing strict limitations on the number of people that may gather in one place, this meeting of the Harwich Board of Health is being conducted via remote participation. No in-person attendance of members of the public will be permitted, but every effort will be made to ensure that the public can adequately access the proceedings as provided for in the Order.

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I CALL TO ORDER

II MINUTES OF PREVIOUS MEETING (Regular Meeting Minutes) September 14, 2020

Minutes shall be reviewed; proposed changes shall be possible; and a vote to approve with any noted changes shall be taken.

III 6:30 PM - BOARD OF HEALTH WORK SESSION

A. Continued review of draft Town of Harwich Nutrient and Pesticide Control Bylaw/Education & discussion on the creation of a sub-committee (continued from September 14, 2020 meeting)

Vote to accept/deny/take this under consideration

B. Continued discussion on sewer extension requirements (continued from September 14, 2020 meeting)

Vote to accept/deny/take this under consideration

IV NO EARLIER THAN 7:00 PM -OLD/UNFINISHED BUSINESS

Vote to accept/deny/take this under consideration

V NEW BUSINESS

A. Hearing-Bascom Hollow, Lots 1, 2, 4 & 8/Eastward Companies- Request to Amend Certificate of Conformance that was issued at the March 17, 2020 Board of Health meeting

Vote to accept/deny/take this under consideration

B. Hearing-McCabe, 25 Grey Neck Lane, to reconsider Order of Conditions granted August 13, 2019-There shall be no increase in square footage or number of bedrooms in the dwelling. Project consists of demolishing the existing dwelling and rebuilding. The proposed home has moved two bedrooms upstairs to allow for an open floor plan with one bedroom on the first floor.

Vote to accept/deny/take this under consideration

C. Hearing- Couch, 9 Hiawatha Road, to consider a variance request to upgrade a Title 5 septic system prepared by Dan A. Speakman Construction

Variations from 310 CMR 15.211- Minimum Setbacks

1. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 1' from the property line where 10' is required. Variance request of 9'.
2. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 1' from the street property line where 10' is required. Variance request of 9'.
3. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 15' from the foundation where 20' is required. Variance request of 5'.

Vote to accept/deny/take this under consideration

D. Hearing-Allison, 71 Depot Road West, to consider a variance request to upgrade a Title 5 septic system prepared by JC Engineering, Inc.

Variations from 310 CMR 15.211- Minimum Setbacks

1. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 15.1' from the crawl space where 20' is required. Variance request of 4.9'.

Vote to accept/deny/take this under consideration

VI REPORT OF THE HEALTH DIRECTOR (September 2020)

Vote to accept/deny/take this under consideration

VII CORRESPONDENCE

Vote to accept/deny/take this under consideration

VIII PERMITS

ESTABLISHMENT	ADDRESS	TYPE
SEPTIC INSTALLER		
Cape Excavating Service *		
Sun Wind, LLC (2020 New)		
TITLE 5 INSPECTOR		
Carmen Shay *		
Joe Smith *		
STABLE		
Sabra Reynolds McKean *	64 Smith Street	Residential Stable
* 2020 Renewal		

Vote to accept/deny/take this under consideration

IX OTHER

Vote to accept/deny/take this under consideration

X ADJOURN

Vote to accept/deny/take under consideration

Authorized posting officer:

Jennifer Clarke

Signature

Date

Posted by:

Paula Weiss
asset Town Clerk

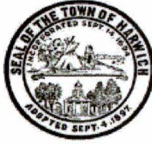
Town Clerk

Date

Per the Attorney General's Office: The committee may hold an open session for topics not reasonably anticipated by the Chair 48 hours in advance of the meeting following "New Business." If you are deaf or hard of hearing or a person with a disability who requires an accommodation, contact the Selectmen's Office at 508-430-7513

II.

TOWN OF HARWICH



BOARD OF HEALTH

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

**TOWN OF HARWICH BOARD OF HEALTH
MONDAY, SEPTEMBER 14, 2020-6:30 P.M.
HARWICH TOWN HALL – REMOTE MEETING**

BOARD OF HEALTH MEMBERS PRESENT: Chairwoman Pamela Howell, R.N., Member Ron Dowgiallo, D.M.D., Member Matthew Antoine & Member Kevin DuPont, R.N.

BOARD OF HEALTH MEMBERS ABSENT: Vice Chairwoman Sharon Pflieger

STAFF MEMBERS PRESENT: Health Director Meggan Eldredge, Senior Health Agent Kathleen Tenaglia & Executive Assistant Jennifer Clarke

Pursuant to Governor Baker’s March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §20, and the Governor’s March 15, 2020 Order imposing strict limitations on the number of people that may gather in one place, this meeting of the Harwich Board of Health is being conducted via remote participation. No in-person attendance of members of the public will be permitted, but every effort will be made to ensure that the public can adequately access the proceedings as provided for in the Order.

Recording & Taping Notification: As required by law, the Town may audio or video record this meeting. Any person intending to either audio or video record this open session is required to inform the Chair.

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Ms. Howell introduced and welcomed Kevin DuPont as the newest member of the Board of Health.

I CALL TO ORDER

Chairwoman Howell called the meeting to order at 6:33 p.m.

II MINUTES OF PREVIOUS MEETING (Regular Meeting Minutes) – August 18, 2020



Mr. Dowgiallo moved to approve the minutes of the August 18, 2020 Board of Health meeting, 2nd by Mr. Antoine. The vote was 3-0-0 with Ms. Howell, Mr. Dowgiallo and Mr. Antoine all voting aye by roll call.

III 6:30 PM - BOARD OF HEALTH WORK SESSION

A. Continued review of draft Town of Harwich Nutrient and Pesticide Control Bylaw/Education (continued from May 19, 2020 Board of Health meeting).

At their May 19, 2020 meeting, the Board of Health had discussions regarding the creation of a nutrient and pesticide control bylaw or education. At this point, the Board needs to have open discussions on how they would like to move forward. Health Director Eldredge suggested that the Board could consider creating a sub-committee to work on this.

Mr. Dowgiallo stated that what has been provided in the packet looks good to him.

Ms. Howell wondered if there is more that the Board could do.

Mr. DuPont asked what the Board's limitations and expectations are. Health Director Eldredge responded that the regulation on pesticide would be for town-owned property. With respect to pesticides, there is a law that prohibits states and towns to further impose laws on private property. Fertilizer regulations and discussion would be relating to both town-owned and private property. Mr. DuPont asked if there would be a way to find out what kinds of fertilizers private homeowners are using. He would like to see education and feels that it is safe to say that a large part of the population is not aware of what goes into their fertilizers.

Ms. Howell stated that the Town of Chatham request anyone who distributes/uses fertilizer be certified. She asked if the Town of Harwich has any literature. Health Agent Tenaglia responded that that educational material could be created but added that she is not sure how possible enforcement of the education would be. Health Agent Tenaglia added that the Board could develop a sub-committee to help develop literature.

Mr. DuPont agreed with all information presented and said that he would like to see the education aspect expanded.

Ms. Howell stated that she would like to have the input of Ms. Pflieger before making any decisions. She suggested continuing discussions until the October 20, 2020 Board of Health meeting.

B. Sewer Connection Discussion-Finalize Application & discuss extension requirements

Health Director Eldredge reviewed the sewer connection application.

Mr. Dowgiallo moved to approve the use of the sewer connection application as presented, 2nd by Mr. Antoine. The vote was 4-0-0 with Ms. Howell, Mr. Dowgiallo, Mr. Antoine & Mr. DuPont all voting aye by roll call.

Health Director Eldredge stated that the current regulations allow for 1-year from the order letter issued that will require property owners to connect into the municipal sewer. If the Board is willing to consider extension requests, they should consider how old the existing septic system is, financial hardships and/or any special circumstances. Health Director Eldredge recommended that the Board approve extensions for any septic system less than 10 years old. It would then be a discussion of the Board as to

how long of an extension would be granted. If the Board is going to consider financial hardships as an extension, they should know that there are very low interest loans available through Barnstable County.

Ms. Howell stated that she would like to have Ms. Pflieger involved in this discussion as well and suggested continuing discussions until the October 20, 2020 Board of Health meeting.

Mr. Dowgiallo asked what the cost would be to connect to the sewer system. The last numbers that Ms. Eldredge was aware of are between \$7,000-\$12,000.

Once a property is connected to the sewer system, the owners will receive a sewer bill, similar to a water bill, based on flow.

Health Director Eldredge informed the Board that she would find out how many in Chatham have been connected into the system and any updated cost information.

C. Review Board of Health definition of a bedroom with possible amendments

Health Director Eldredge read the current definition and suggested definition of a bedroom. The existing definition is unclear to builders and homeowners when they are creating their floor plans. The definition needs to be clearer and more concise so floor plans can be created without issue. Staff has researched bedrooms definitions from surrounding towns and information has been provided to the Board.

Mr. Antoine moved to adopt the suggested Harwich Board of Health bedroom definition as presented, 2nd by Mr. DuPont. The vote was 4-0-0 with Ms. Howell, Mr. Dowgiallo, Mr. Antoine & Mr. DuPont all voting aye by roll call.

V NEW BUSINESS

A. 11 Kent Road- owner requests Board of Health review of an application to the State Plumbing Board for a variance from the State Plumbing Code; use an existing 1 1/2" drain where a 2" drain is required

Health Director Eldredge read the request that was submitted. She informed the Board that the owner bypassed the Board of Health and went straight to the State Plumbing Board and had their application approved.

The Board of Health did not take any action.

VII REPORT OF THE HEALTH DIRECTOR (August 2020)

Health Director Eldredge read her monthly report for August 2020. As of today, there is one active case in Harwich.

Barnstable County is holding a drive-thru seasonal flu shot clinic on September 26, 2020 from 8:00 a.m.-noon. The clinic is open to all residents across the Cape and pre-registration is required.

VIII CORRESPONDENCE

No correspondence was discussed.

IX PERMITS

Board of Health-September 14, 2020

ESTABLISHMENT	ADDRESS
TITLE 5 INSPECTOR	
Thomas Roux *	Wareham, MA
* 2020 Renewal	

Mr. Antoine moved to approve the permit list as presented, 2nd by Mr. Dowgiallo. The vote was 4-0-0 with Ms. Howell, Mr. Dowgiallo, Mr. Antoine & Mr. DuPont all voting aye by roll call.

X OTHER

Mr. Dowgiallo asked how the town follows people who have recovered from COVID-19. Health Director Eldredge responded that they are not followed at the Health Department level. The patients information is in the state database should future issues arise.

XI ADJOURN

Mr. Dowgiallo moved to adjourn the meeting at p.m., 2nd by Mr. DuPont. The vote was 4-0-0 with Ms. Howell, Mr. Dowgiallo, Mr. Antoine & Mr. DuPont all voting aye by roll call.

Respectfully Submitted,

Jennifer Clarke

Next meeting is Tuesday, October 20, 2020 at 6:30 p.m.

Documents included in September 14, 2020 Board of Health Meeting Packet:

- Board of Health Agenda dated September 14, 2020
- Draft Board of Health Minutes dated August 18, 2020
- Draft Town of Harwich Nutrient and Pesticide Control By-Law dated November 4, 2009
- Draft Application and Checklist for Sewer Connection Permit
- Bedroom Definition Information dated September 14, 2020
- Site Summary for 11 Kent Road dated September 14, 2020
- Request from Owner for Plumbing Code Variance dated August 24, 2020
- Health Director Monthly Report dated September 8, 2020
- Weekly COVID-19 update dated August 27, 2020
- Weekly COVID-10 update dated August 20, 2020
- Any other documents submitted for/at the September 14, 2020 Board of Health Meeting

TOWN OF HARWICH DRAFT NUTRIENT AND PESTICIDE CONTROL BYLAW 11.4.09

FERTILIZER AND PESTICIDE CONTROL

I. Findings.

The Town of Harwich herein makes the following findings:

- A. The Massachusetts Estuaries Project (MEP) has found that fertilizers account for an important portion of controllable nitrogen load in Cape Cod watersheds. Excessive nitrogen from fertilizers and other watershed sources leads to eutrophication of marine embayments. Other studies have demonstrated that phosphorus from fertilizers can lead to eutrophication in freshwater ponds.
- B. Public health risks from excessive loading of nutrients to water resources may include direct detrimental effects on drinking water sources by increased concentrations of nitrates that can violate safe drinking water standards.
- C. The Town has significant amounts of glacially deposited coarse, sandy soils that are subject to rapid water infiltration, percolation, and leaching of nutrients.
- D. Scientific literature demonstrates that a significant potential source of nutrient loading to water resources is from inappropriate and/or improper use of turf fertilizer.
- E. It is in the best interest of public health and the environment to eliminate the use of synthetic herbicides containing glyphosate on town-owned/operated lands, ponds and waterways; to encourage the reduction and elimination of the use of such herbicides on private property; and to introduce and promote ecologically sound, organic and other best management practices to prevent and or manage unwanted vegetation.

II. Purposes.

It is the overarching goal of the Town of Harwich to provide a regulatory framework that results in reducing the nutrient loading from the application of fertilizers and reducing concerns related to the application of high risk or undesirable herbicides such as those containing glyphosate. Consistent with this goal, and based on the findings provided in I., the Town provides this bylaw to achieve the following purposes.

- A. To ensure application of fertilizer shall be performed in a manner consistent with best management practices (BMPs), which from time to time may undergo changes in response to scientific research.
- B. To provide a legal mechanism for enforcement against the inappropriate and/or improper use of fertilizer.
- C. To incorporate, by reference, the University of Massachusetts Extension's Turf Management BMPs as the primary standard for the content and application practices related to turf fertilizer.

TOWN OF HARWICH DRAFT NUTRIENT AND PESTICIDE CONTROL BYLAW 11.4.09

- D. To provide a regulatory tool that will help Harwich to achieve compliance with the total daily maximum loads (TMDL) for the Town's water resources prescribed by the Commonwealth of Massachusetts.
- E. To provide standards that will allow reasonable use of fertilizers for the enhancement and maintenance of turf quality.
- F. To help achieve the goals of the Harwich Wastewater Management Plan, the Cape-Wide Fertilizer Management DCPC, and the Local Comprehensive Plan.
- G. To set a positive example for private property owners by showing the elimination or reduction in use of herbicides containing glyphosate is possible without detrimental effects to esthetics or property values.

III. Authority.

This bylaw is adopted by the Town of Harwich as implementing regulations pursuant to and as authorized by the Fertilizer Management District of Critical Planning Concern designation, Barnstable County Ordinance 13-07, and by Section 9 of Chapter 262 of the Acts of 2012.

IV. Applicability.

- A. This bylaw shall apply to and regulate any and all applications of nitrogen and phosphorus through fertilizer within the Town of Harwich.
- B. Applications of fertilizer for agriculture and horticulture uses are exempt from the provision of this bylaw as they are regulated by the MDAR Fertilizer Regulations.
- C. This bylaw shall apply to and regulate any and all applications of synthetic herbicides containing glyphosate on town owned or operated land not used for agriculture or horticulture.

V. Definitions.

For the purposes of this bylaw, the following terms are defined as provided below:

AGRICULTURE/AGRICULTURAL USE — Includes farming in all its branches, generally as the cultivation and tillage of the soil, dairying, the production, cultivation, growing and harvesting of any agricultural, floricultural, viticultural or horticultural commodities, and shellfishing, including preparations and delivery to storage or to market or to carriers for transportation to market.

BEST MANAGEMENT PRACTICES (BMP) — A sequence of activities designed to limit a nonpoint pollution source. For the purposes of this bylaw, BMP means the "Best Management Practices for Soil and Nutrient Management in Turf Systems," prepared by University of Massachusetts Extension, Center for Agriculture, Turf Program. The version of this document that applies to this bylaw shall be that which was most recent at the time of the adoption of this bylaw or any

TOWN OF HARWICH DRAFT NUTRIENT AND PESTICIDE CONTROL BYLAW 11.4.09

subsequent versions that are adopted as an amendment to this bylaw through a majority vote at Town Meeting.

ENFORCEMENT AUTHORITY — The party designated by the Select Board to oversee and enforce the provisions of this bylaw.

FERTILIZER — A substance that enriches the soil with elements essential for plant growth, such as nitrogen, phosphorus, potassium or other substances; fertilizer does not include those nutrients that are normally excluded from fertilizer such as chemicals that are part of horticultural gypsum, dolomite, limestone, lime, Jersey greensand, grass clippings, or compost topdressing.

HEAVY RAIN — A rainfall greater than 0.25 inch per hour during a given twenty-four-hour period or a rainfall of greater than one inch total in the next twenty-four-hour period.

IMPERVIOUS SURFACE — Any structure, surface, or improvement that reduces or prevents absorption of stormwater into land, and includes concrete, asphalt, paver blocks, gravel, decks, patios, elevated structures, and other similar structures, surfaces, or improvements.

MDAR FERTILIZER REGULATIONS — The most recent regulations of the "Plant Nutrient Application Requirements for Agricultural Land and Land Not Used for Agricultural Purposes," developed by the Massachusetts Department of Agricultural Resources (MDAR) pursuant to its authority under MGL c. 128, §§ 2(k) and 65(A), as amended by Chapter 262 of the Acts of 2012, 330 CMR 31.00.

NITROGEN — An element essential to plant growth. For the purposes of the bylaw, nitrogen may be available as slow-release, controlled-release, timed-release, slowly available, or water-insoluble nitrogen, which means nitrogen in a form that delays its availability for plant uptake and use after application and is not rapidly available to turf and other plants; and/or quick-release, water-soluble nitrogen which means nitrogen in a form that does not delay its availability for turf and other plant uptake and is rapidly available for turf and other plant uptake and use after application.

PESTICIDE - a substance used to manage any unwanted organism-insects, rodents, birds, plants, fungi or microorganism such as bacteria and viruses. Also known as Herbicides and fungicides.

PHOSPHORUS – Mineral and organic substances that contain phosphorous and that are used for improving the nutrition of plants.

SYNTHETIC HERBICIDE – a pesticide used to destroy unwanted vegetation that contains chemicals not found in nature.

TURF — Any non-crop land area that is covered by any grass species, excluding meadows, grasslands, flower or vegetable gardens, pasture, hay land, trees, shrubs, turf grown on turf farms or any form of agricultural production or use.

VI. Performance standards for fertilizer application.

All application of fertilizer to turf shall comply with the following standards:

- A. The application of fertilizer containing nitrogen is prohibited between November 15 and April 15 unless specifically permitted by the enforcement authority as set out below. Based on early spring or fall weather conditions, soil temperature and degree of turf emergence from dormancy, or other relevant condition, and using the guidelines of the BMP, the enforcement authority may permit earlier or later application of fertilizer containing nitrogen, in which case such extended period shall be announced by notice or publication.
- B. Nitrogen and phosphorus from any fertilizer application shall not be to applied to, or otherwise be deposited on, any impervious surface, including parking lot, driveway, roadway, sidewalk, frozen soil or ice. Any fertilizer applied, spilled, and/or deposited on any impervious surface, either intentionally or accidentally, must be immediately and completely removed and contained and either legally applied to turf or any other legal site or returned to an appropriate container.
- C. Fertilizer shall not be applied within 24 hours before or during a heavy rain event nor shall fertilizer be applied onto saturated ground.
- D. An application of fertilizer should be watered in with no more than 0.25 inch of irrigation or natural rain within the twenty-four-hour period following application. Where irrigation systems are used, the volume and rate of irrigation water applied shall be performed in a manner that reduces runoff to the greatest extent practicable. Where an irrigation system uses sprinkler heads or other similar spray devices, these devices shall direct irrigation water in a manner that reduces runoff to the greatest extent practicable.
- E. Unless the Town's existing laws and regulations, including its Wetland Bylaw or Regulations, contain a stricter standard or other enforcement or approval mechanism such as through the Town's Conservation Commission, which shall control, fertilizer shall not be applied closer than 100 feet to any water body, or within the Zone I of a public drinking water well (as defined in 310 CMR 22.02), unless permission is obtained through the enforcement authority set out in VI herein allowing such activity.
- F. Fertilizer that contains phosphorus shall not be used unless a soil test taken not more than three years before the proposed fertilizer application indicates that additional phosphorus is needed for growth of that turf, or unless establishing new turf or re-establishing or repairing turf after substantial damage or land disturbance, in which case the application shall be in compliance with the BMP.
- G. A single application of fertilizer that contains nitrogen shall not exceed 1.0 pound of actual nitrogen per 1,000 square feet, shall consist of at least 20% slow-release nitrogen fertilizer and the annual rate shall not exceed 3.0 pounds of actual nitrogen per 1,000

square feet. Single applications shall be done at intervals of no less than four weeks until the annual maximum is reached.

VII. Management of unwanted vegetation on town land.

- A. Organic land management shall be the methodology of choice to prevent and manage unwanted vegetation problems on land owned or operated by the Town.
- B. The use and application of synthetic herbicides containing glyphosate by town employees and/or by private contractors for managing town owned/operated land is prohibited on all town-owned/operated land, unless otherwise exempt per section IV or no feasible alternative exists.

VIII. Education.

The Town may rely on the Cape Cod cooperative Extension to assist in maintaining a program of fertilizer and turf management education that is based on BMPs.

IV. Noncriminal disposition; violations and penalties.

Whoever violates any provision of this regulation may be penalized by a noncriminal disposition process as provided in MGL c. 40, § 21D, and the Town's noncriminal disposition bylaw. If noncriminal disposition is elected, then any person who violates any provision of this regulation shall be subject to a penalty in the amount of \$300 per day for each day of violation, commencing 10 days following day of receipt of written notice from the enforcement authority. A warning in lieu of a fine or other enforcement action for the first offense can be issued at the discretion of the enforcement authority. Each day or portion thereof shall constitute a separate offense. If more than one, each condition violated shall constitute a separate offense.

V. Severability.

Should any section, part or provision of this bylaw be deemed invalid or unconstitutional, such decision shall not affect the validity of the remaining terms of this bylaw as a whole or any part thereof, other than the section, part of provision held invalid or unconstitutional.

VI. Effective Date.

V-A.

OCTOBER 20, 2020
BOARD OF HEALTH MEETING

To: Board of Health
From: Meggan Eldredge, Health Director
Applicant: Clark Engineering
Owner: Eastward Home Business Trust
Address: Lots 1, 2, 4 & 8-Basom Hollow

Background:

This property is located in the Pleasant Bay Watershed, and in a Zone II. Based on the Board of Health Regulation 1.211, subdivisions consisting of 5 or more lots within this area are required to install a shared septic system that incorporates nitrogen removal technology. Because this subdivision was identified as being in Phase 2 of the CWMP with sewer completion projected at July of 2121, the Board of Health approved the use of a shared conventional Title 5 system (no nitrogen removal) for 4 of the 8 lots. The remaining 4 lots were to be constructed after the municipal sewer was available.

Due to funding issues, Phase 2 of the CWMP was split into several sub-phases and this lot was not included in the first round of funding, leaving it unable to connect to the municipal sewer. The Town anticipated revisiting the funding at a Special Town Meeting in 2020, however due to the COVID-19 pandemic, this topic was not brought forward.

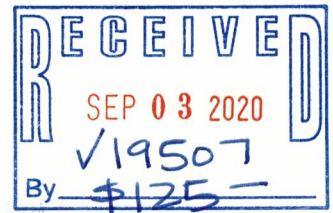
Eastward Companies, care of David Clark P.E., is submitting a request to amend the Certificate of Conformance that was issued at the March 17, 2020 Board of Health meeting. They are ready to install the septic system for the new custom home being constructed on Lot 2. There was not an article on the Annual Town Meeting Warrant (Meeting held on September 26, 2020) to fund the additional areas of Phase 2 of the municipal sewer system. The applicant is requesting to amend the language of the condition as follows, with the thought that this will be addressed on the 2021 Annual Town Meeting Warrant:

- Allow the newly released properties to have conventional systems on their own lots and that if funding to complete this section of municipal sewer is not approved at a 2021 Annual Town Meeting, that Innovative/Alternative technology will be added to the systems.

Construction of the complete Phase 2 of the CWMP is uncertain at this time. My concern is that funding may not be approved or that the CWMP phases be revised, pushing this development out further along. This scenario would result in not only the existing 4 lots to not have alternative technology, but the new lots to not be connected to a shared system. Instead of the language proposed by the applicant, I suggest the following:

Allow the newly released properties to have conventional systems on their own lots and that if funding to complete this section of municipal sewer is not approved at a 2021 Annual Town Meeting, the entire subdivision will have Innovative/Alternative technology incorporated into the existing systems.

**EASTWARD
COMPANIES**



HARWICH HEALTH DEPARTMENT

September 3, 2020

Eastward

REC'D 9.3.2020

* in ACA as

Harwich Board of Health
732 Main Street
Harwich, MA 02645

FILING FEE \$125-

1522
ORLEANS Rd*

POST FOR MTG 10.20.2020

RE: Bascom Hollow – Request to Amend Certificate of Conformance

Dear Members of the Board:

Eastward Companies is submitting the following items for review at your next available meeting:

1. Bascom Hollow – Recorded Certificate of Conformance dated March 26, 2020
2. Filing Fee - \$125.00

On March 17, 2020, the Board of Health reviewed and approved our request to allow individual/conventional septic systems on the remaining 4 building lots (1, 2, 4, and 8) in the subdivision with the condition that innovative/alternative technology will be added to the systems if funding to complete this section of the municipal sewer is not approved at a 2020 special fall town meeting.

We are ready to install the septic system for the new custom home being constructed on Lot 2 and understand that, at this time, there is not an article on the Annual Town Meeting warrant in September to fund additional areas of Phase 2 of the municipal sewer system. With this in mind, we are requesting to amend the language of the condition as follows with the thought that this will be addressed on the 2021 Annual Town Meeting warrant:

1. Allow the newly released properties to have conventional systems on their own lots and that if funding to complete this section of municipal sewer is not approved at a 2021 Annual town meeting, that Innovative/Alternative technology will be added to the systems.

September 3, 2020

Page 2

We understand that the state of emergency due to the coronavirus has impacted the town meeting schedule and this will most likely further delay the sewer line installation in this area. We would like to work with the Board of Health to meet the requirements for this subdivision and request that you approve this amendment to the condition.

Please let me know if you need any additional information. We appreciate your consideration of our request and look forward to meeting with you.

Sincerely,



Susan B. Ladue
Regulatory Specialist

cc: David Clark, P.E.



TOWN OF HARWICH

BOARD OF HEALTH

732 Main Street • Harwich, MA 02645
508-430-7509 • Fax 508-430-7531
E-mail: health@town.harwich.ma.us

**HARWICH BOARD OF HEALTH
3, 7, 15 & 16 BASCOM HOLLOW
MAP 97 PARCELS B2-5, B2-6, B2-8 & B2-12
BOOK 30775 PAGE 86
BOOK 30950 PAGE 131**

March 26, 2020

CERTIFICATE OF CONFORMANCE

Eastward Homes Business trust
Eastward MBT LLC, Trustee
155 Crowell Road
Chatham, MA 02633

**Re: Bascom Hollow
Revised Environmental Impact Report**

To Whom It May Concern:

At a meeting of the Board of Health on March 17, 2020, a hearing was conducted to consider an application for a revised Environmental Impact Review in accordance with Harwich Board of Health Regulation 1.211, which was originally approved on May 14, 2018. Based on the town's schedule for the installation of the municipal sewer in 2018, you proposed and requested to limit the development to 4 lots until such time as the connection to the municipal sewer was available.

Due to funding shortages, this phase of the CWMP will not be completed per the original schedule. The revised the Environmental Impact Review proposes individual conventional Title 5 systems on the remaining 4 lots.

After considerable review and discussion, it was a decision of the Board to approve the proposal with the following order of conditions:

1. Allow the newly released properties to have conventional systems on their own lots and that if funding to complete this section of municipal sewer is not approved at a 2020 special fall town meeting, that innovative/Alternative technology will be added to the systems.

This letter is required to be recorded at the Barnstable County Registry of Deeds with a copy to be returned to the Harwich Health Department. This shall be completed prior to the issuance of any construction and or septic system permits. Each lot shall be recorded separately in order to alert current or future owners of this requirement.

Regards,

Meggan Eldredge

Meggan Eldredge, R.S., C.H.O
Health Director

Signature(s) of Owner and Legal Address

William Marsh
WILLIAM MARSH
155 CROWELL ROAD, CHATHAM, MA 02633

Date 30 March '20

COMMONWEALTH OF MASSACHUSETTS

Barnstable, ss.

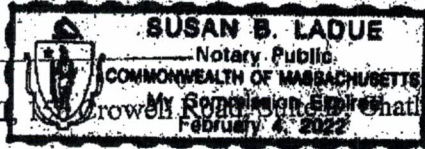
MARCH 30, 2020

Date

On this 30th day of MARCH, 2020, the above named appeared before me, the undersigned notary public, and acknowledged the foregoing instrument to be their free act and deed.

Notary Public Susan B. Ladue

My commission expires _____



CC: Clark Engineering LLC, 155 Crowell Road, Chatham, MA 02633
Planning Board

V-B.

**OCTOBER 20, 2020
BOARD OF HEALTH MEETING**

To: Board of Health
From: Meggan Eldredge, Health Director
Applicant: McCabe
Engineer: Stephen A. Haas, P.E.
Address: 25 Grey Neck Lane

On behalf of the owner, Stephen A. Haas is applying for a reconsideration of the previous condition, "no further increase in habitable space or square footage without further review by the Board of Health," placed on August 13, 2019. The condition was a result of the granting of variances to Title 5 for property line and cellar wall setbacks as well as environmental variances between the septic tank and sewer line to a wetland in 1998.

The existing 3 bedroom dwelling is proposed to be demolished and re-built. The proposed home is going from a single story to a two story dwelling, increasing habitable space. No new variances from Title 5 or the Harwich Septic Regulations are required. The proposal includes the incorporation of innovative/alternative technology to remove nitrogen.

I recommend approval of the reconsideration with the following conditions:

1. The alternative septic system must be under an operation and maintenance contract for the life of the system.
2. The alternative septic system must be tested and maintained in accordance with the Department of Environmental Protection's approval letter as well as the Harwich Health Department's requirements for testing.
3. No further increase in habitable space or square footage to the dwelling without approval by the Board of Health.
4. The property is restricted to a maximum of three (3) bedrooms.



**Town of Harwich
Board of Health**

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

Office Use Only	
Filing Fee Paid/Amount:	7125-
Check #/Cash:	2019
Date App Received:	10/8/2020
Meeting Date:	10/20/2020
Date Approved:	
Date Denied:	
Reason for Denial:	

Application for Board of Health Variances

Date: 10/7/2020

Property Address: 25 Grey Neck Lane

Map: 11 Parcel: x8-6

Book: 8520 Page: 249 Land Court No: _____

Name of Applicant: Thomas & Claire McCabe

Applicant Mailing Address: 8 Kingston Lane, U5

Medway, MA 02053

City State Zip Code

Applicant Telephone Number: _____

Applicant E-Mail Address: _____

Owner(s) of Record: Same

Owner(s) Mailing Address: _____

City State Zip Code

Design Engineer/Sanitarian: Stephen A Haas, PE

Firm/Company Name: _____

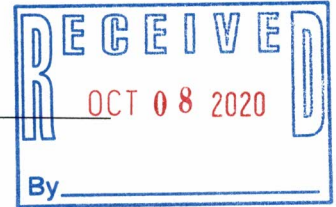
Mailing Address: 293 Cranview Road

Brewster, MA 02631

City State Zip Code

Telephone Number: 508-367-1691

Design Engineer/Sanitarian E-Mail Address: sahaas@comcast.net



Please Choose Application Type:

Voluntary Upgrade: ____ Addition/Alteration: X Failed System: ____ EIR: ____
 Other: _____

Conservation Commission Approval Required: No: ____ Yes: X Date of CC Hearing: 9/16/20

List All Variances from State & Local Codes

Title 5, Section #	Description of Variance(s):
Harwich Reg. #	Description of Variance(s):

In addition to this form, 8 packets of the following must be submitted by 4:00 p.m. on the filing deadline date:

- Letter to Board of Health
- Letter to abutters (bring certified mail receipts to the meeting)
- Copy of certified abutter list
- Existing variance letter (if applicable)
- Floor plans (all floors/existing & proposed)
- Site plan
- Filing Fee \$125.00 (Variance)/\$300.00 (EIR)



Stephen A. Haas, P.E.

293 Cranview Road
Brewster, Massachusetts 02631
508-367-1691
sahaas@comcast.net

October 5, 2020

Harwich Board of Health
732 Main Street
Harwich, MA 02645

Re: McCabe, 25 Grey Neck Lane, Map 11, Parcel X8-6

Dear Members of the Board:

I am requesting time at your next Board meeting to review a revised floor plan for the above location.

At the August 13, 2019 hearing, you approved a modification to the conditions (a revised floor plan) placed on the dwelling due to variances granted on January 28, 1998 for a new septic system. That proposal was for a few additions to the existing dwelling and renovations to the rest.

Since that time, it was decided to demolish the existing home and rebuild from the ground up. The proposed home has moved two bedrooms upstairs to allow for an open floor plan with one bedroom on the first floor.

Attached are existing and proposed floor and site plans for your review.

Thank you for your time,

Stephen A. Haas, P.E.



Stephen A. Haas, P.E.

293 Cranview Road
Brewster, Massachusetts 02631
508-367-1691
sahaas@comcast.net

October 7, 2020

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: New home construction, 25 Grey Neck Lane, Map 11, Parcel X8-6

You have been identified as a neighbor to the above property. We are required to notify you that an application to modify previous conditions of a Board of Health variance has been submitted to the Health Department. The current proposal is to demolish the existing dwelling and construct a new home.

A public hearing has been scheduled for October 20, 2020 at 7:00 pm.

Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §20, and the Governor's March 15, 2020 Order imposing strict limitations on the number of people that may gather in one place, this meeting of the Harwich Board of Health is being conducted via remote participation. No in-person attendance of members of the public will be permitted, but every effort will be made to ensure that the public can adequately access the proceedings as provided for in the Order. The agenda, including dial-in instructions, will be posted on the Town of Harwich website www.town.harwich.ma.us

The application and plans are available for review from the Harwich Health Department, 508-430-7509.

Sincerely,

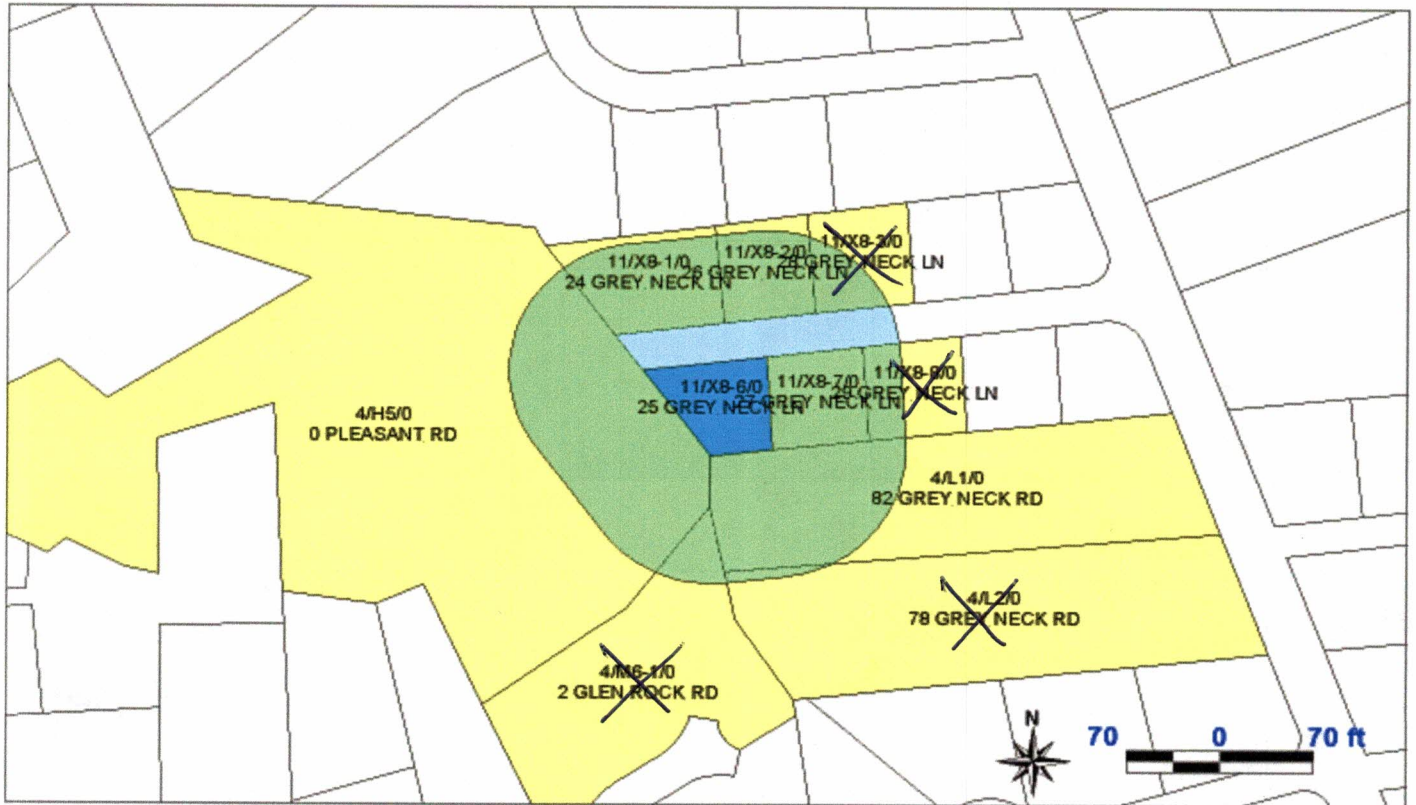
STEPHEN A. HAAS, PE

cc: Harwich Health Department



TOWN OF HARWICH, MA
 BOARD OF ASSESSORS
 732 Main Street, Harwich, MA 02645

Abutters List Within 100 feet of Parcel 11/X8-6/0



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
446	4-H5-0-R	DARDINSKI EDITH	0 PLEASANT RD	8 IVY CIR	NORWOOD	MA	02062
472	4-L1-0-R	SULLIVAN KEVIN J	82 GREY NECK RD	402 4TH ST	SAINT AUGUSTINE	FL	32080
8108	4-L2-0-R	BROPHY PATRICIA A TRS ET AL HICHEY JAMES V TRS	78 GREY NECK RD	8 LANCELOT LN	N EASTON	MA	02356
529	4-M6-1-0-R	MEYER PETER B ET ALS MEYER KATHLEEN A	2 GLEN ROCK RD	2 GLEN ROCK RD	W HARWICH	MA	02671
1331	11-X8-1-0-R	COURNIOTES JAMES H II	24 GREY NECK LN	1786 WILBRAHAM RD	SPRINGFIELD	MA	01119
1332	11-X8-2-0-R	MOONEY THOMAS LIFE ESTATE & MOONEY JOANNE E LIFE ESTATE	26 GREY NECK LN	294 ROCK VALLEY RD	HOLYOKE	MA	01040
1333	11-X8-3-0-R	MACEK JANE D	28 GREY NECK LN	4 MINE RD	BURLINGTON	CT	06043
1335	11-X8-6-0-R	MCCABE CLAIRE E ET ALS MCCABE THOMAS J & SWEENEY ELAI	25 GREY NECK LN	8 KINGSON LN U5	MEDWAY	MA	02053
1336	11-X8-7-0-R	HANSON EDWARD W & HANSON FAITH G	27 GREY NECK LN	PO BOX 285	W HARWICH	MA	02671
1337	11-X8-8-0-R	PAIGE BRUCE J & PAIGE DEBORAH E	29 GREY NECK LN	29 GREY NECK LN	W HARWICH	MA	02671



TOWN OF HARWICH

BOARD OF HEALTH

732 Main Street
Harwich, MA 02645
508/430-7509
FAX 508/432-5039

February 3, 1998

TOWN OF HARWICH
BOARD OF HEALTH
VARIANCE APPROVAL
310 CMR 15.000 "Title 5"
and Harwich Regulations
25 Grey Neck Road

Mr. Thomas McCabe
28 Snyder Road
Medfield, MA 02052

Dear Mr. McCabe:

At a meeting of the Board of Health on January 28, 1998 a hearing was conducted to consider variance requests from Title 5 and Harwich regulations to replace a sewage disposal system at the above referenced property on a plan prepared by Moran Engineering, Inc.

After considerable review and discussion it was a decision to grant the following:

1. Maximum feasible compliance – reduction of setback between property line and septic tank, 10' required, 5' available.
2. Reduction of setback between property line and leaching facility, 10' required, 5' available.
3. Reduction of setback between cellar wall and leaching facility, 10' required, 5' available.
4. Distance between septic tank and wetland, 100' required, 68' available.
5. Distance between building sewer and wetland, 100' required, 70' available.

In granting the variances the Board imposed the following orders of condition:

1. There shall be no increase in square footage or number of bedrooms in the dwelling.
2. There is no provision for a garbage disposal.
3. Variances must be recorded with the Barnstable Registry of Deeds and Harwich Town Clerk.
4. The system shall be inspected and maintained if necessary every three years.



recycled paper



TOWN OF HARWICH

BOARD OF HEALTH

732 Main Street • Harwich, MA 02645

508-430-7509 • Fax 508-430-7531

E-mail: health@town.harwich.ma.us

HARWICH BOARD OF HEALTH

105 CMR 15.000 Title 5

25 GREY NECK LANE

MAP 11 PARCEL X8-6

BOOK 8520 PAGE 249

August 20, 2019

Claire E. McCabe et als
Thomas J. McCabe & Elaine Sweeney
8 Kingson Lane U5
Medway, MA 02053

To Whom It May Concern:

At a meeting of the Harwich Board of Health on August 13, 2019 a hearing was conducted to reconsider the order of conditions for the septic system variances granted on January 28, 1998. The applicant proposes to add three additions to the existing house using crawl space foundations. The dwelling will remain 3 bedrooms.

It was the decision of the Board of Health to grant to request to modify the existing floor plan and accept the submitted plans dated April 22, 2019. The Board concluded that the request was in keeping with the intent of the order of conditions granted on January 28, 1998,

In granting the request, the Board placed the following order of conditions:

1. The dwelling is restricted to a maximum of three bedrooms.
2. No further increase in habitable space or square footage without further review by the Board of Health.
3. Garbage grinder is prohibited.
4. The conditions and approval shall be recorded at Barnstable County Registry of Deeds to run with the property.

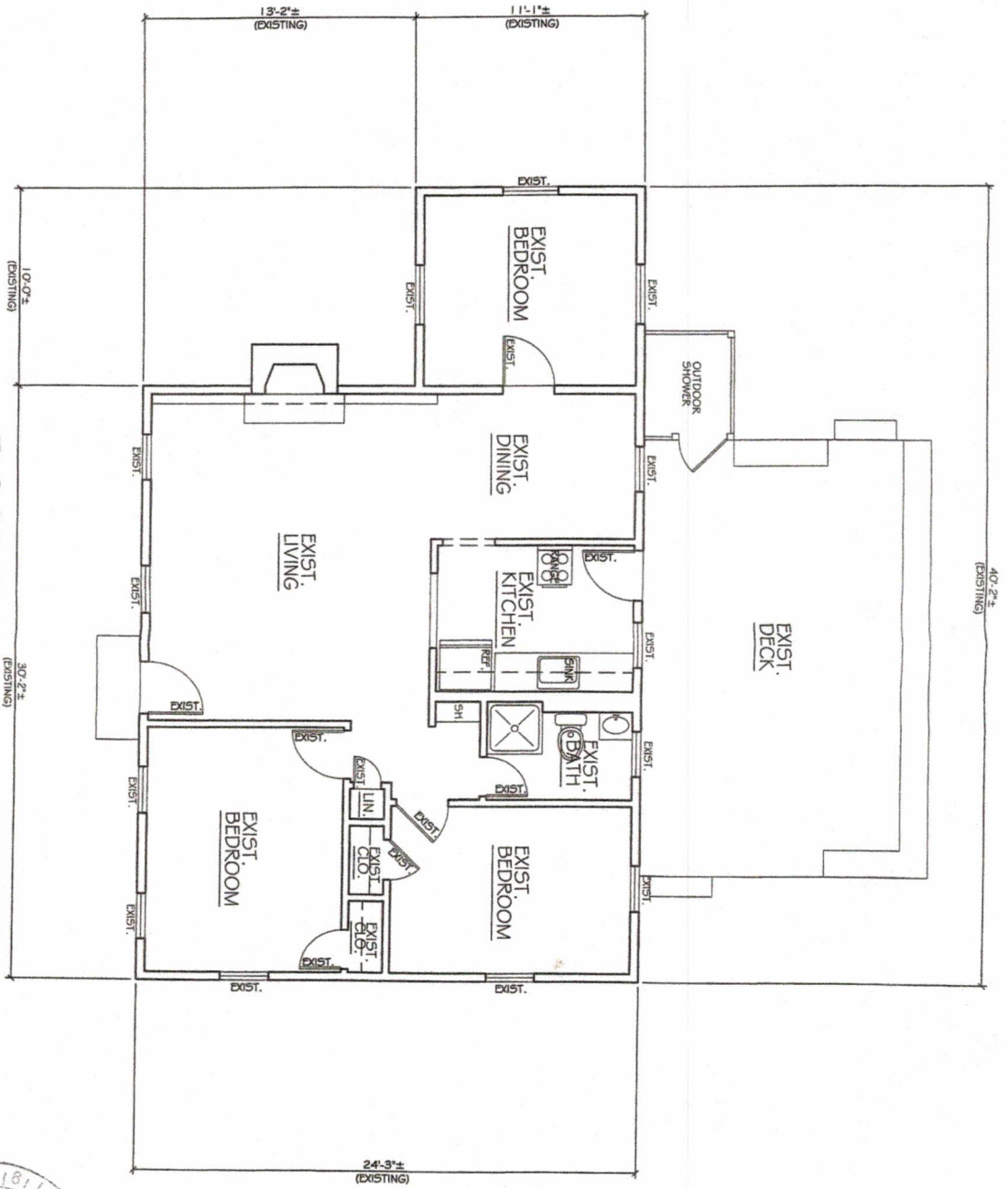
Please be advised that all other variances/orders of conditions granted August 12, 1997 shall remain in full force and effect. This variance letter shall be recorded with the Barnstable Registry of Deeds and a recorded copy of same furnished to the Harwich Board of Health.

Sincerely,

Meggan Eldredge, R.S., C.H.O.
Health Director

© COPYRIGHT 2018
BY THOMAS A. MOORE DESIGN CO.

FLOOR PLAN



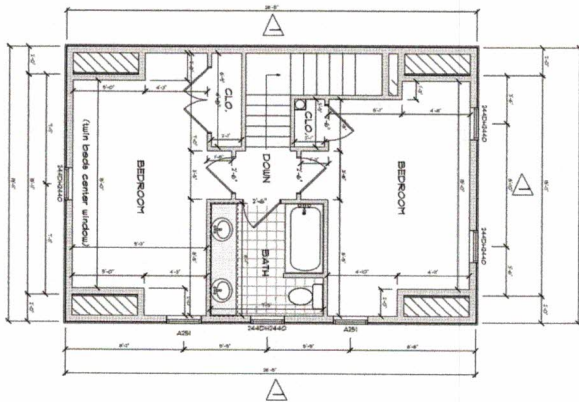
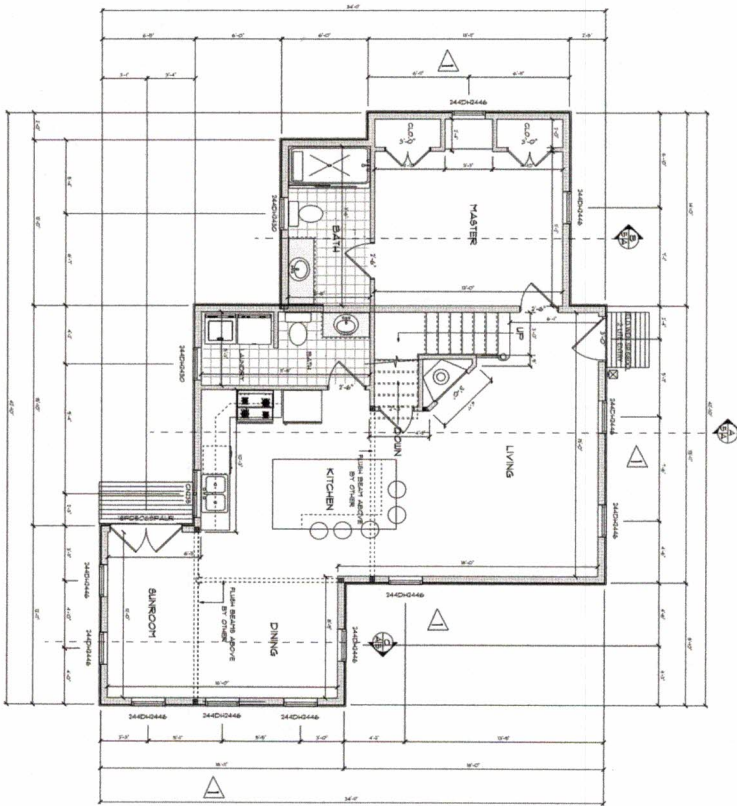
EX1

DWG. NO. :
2018-325
PROJ. NO.
4/22/2019
DATE :
3/16" = 1'-0"

EXISTING CONDITIONS FOR:
TOM & CLAIRE McCABE
25 GREY NECK LN. HARWICH, MA.

DESIGNED/DRAWN BY:
THOMAS A. MOORE DESIGN CO.
P.O. BOX 2124 949 ROUTE 137
BREWSTER, MA. (508) 896-6403

NOTE:
THE PLANS SHOWN ARE THE SOLE PROPERTY OF THOMAS A. MOORE DESIGN CO. AND WILL BE FORWARDED AND CAN BE REPRODUCED AND/OR ALTERED WITHOUT THE CONSENT OF THE DESIGNER.



ANDERSEN 200 SERIES

PRODUCT CODE	SIZE	R.O. WIDTH	R.O. HEIGHT	COUNT
A251	2'-4 1/2" x 2'-0 1/4"	2'-0 1/2"	2'-0 1/4"	2
CN235	3'-4 1/2" x 3'-4 13/16"	3'-5 1/4"	3'-5 1/4"	1
SP0508BRRL	4'-11 1/4"	5'-0"	6'-8"	1
Z440H2430	2'-3 1/2" x 2'-11 1/4"	2'-4"	3'-0"	2
Z440H2440	2'-3 1/2" x 3'-11 1/4"	2'-4"	4'-0"	4
Z440H2448	2'-3 1/2" x 4'-3 1/4"	2'-4"	4'-0"	11

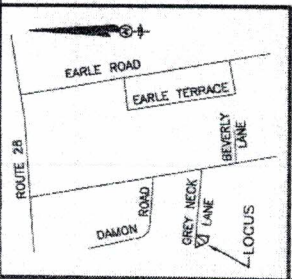
- SNAP IN 6/8 GRILLS
- FINISHED INT/EXT
- SCREENS
- FOR 2X6 WALLS

MCCABE RESIDENCE
25 GREY NECK LANE
W.HARWICH MA. 02633

RICK ROY CONSTRUCTION
 123A Queen Anne Road
 Harwich, MA 02631
 508-432-6840
 508-432-4814 FAX
 rroycon@comcast.net

A2

Thursday, June 11, 2020



ZONING DISTRICT: RH-1	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA	40,000 S.F.	5,056± S.F.	5,056± S.F.
MIN. LOT FRONTAGE	150'	89.83'	89.83'
FRONT SETBACK	25'	18.9'±	19.9'±
SIDE SETBACK	20'	DWELLING 6.9'± DECK 4.0'±	7.4'±
REAR SETBACK	20'	DWELLING 31.7'± DECK 17.9'±	21.2'±
BUILDING COVERAGE	30%	18.0±%	21.1±%
SITE COVERAGE	35%	32.3±%	28.3±%

OWNER OF RECORD:
 CLAIRE E. McCABE, THOMAS J. McCABE
 & ELAINE P. SWEENEY
 8 KINGSTON LANE US
 MEDWAY, MA 02053

REFERENCES:
 DEED BOOK 8520 PAGE 249
 PLAN BOOK 87 PAGE 69
 ASSESSORS MAP 11 PARCEL X8-6
 FLOOD HAZARD ZONE: X

THE LEACH AREA SHOWN IS AN APPROXIMATE LOCATION OBTAINED FROM BOARD OF HEALTH RECORDS.

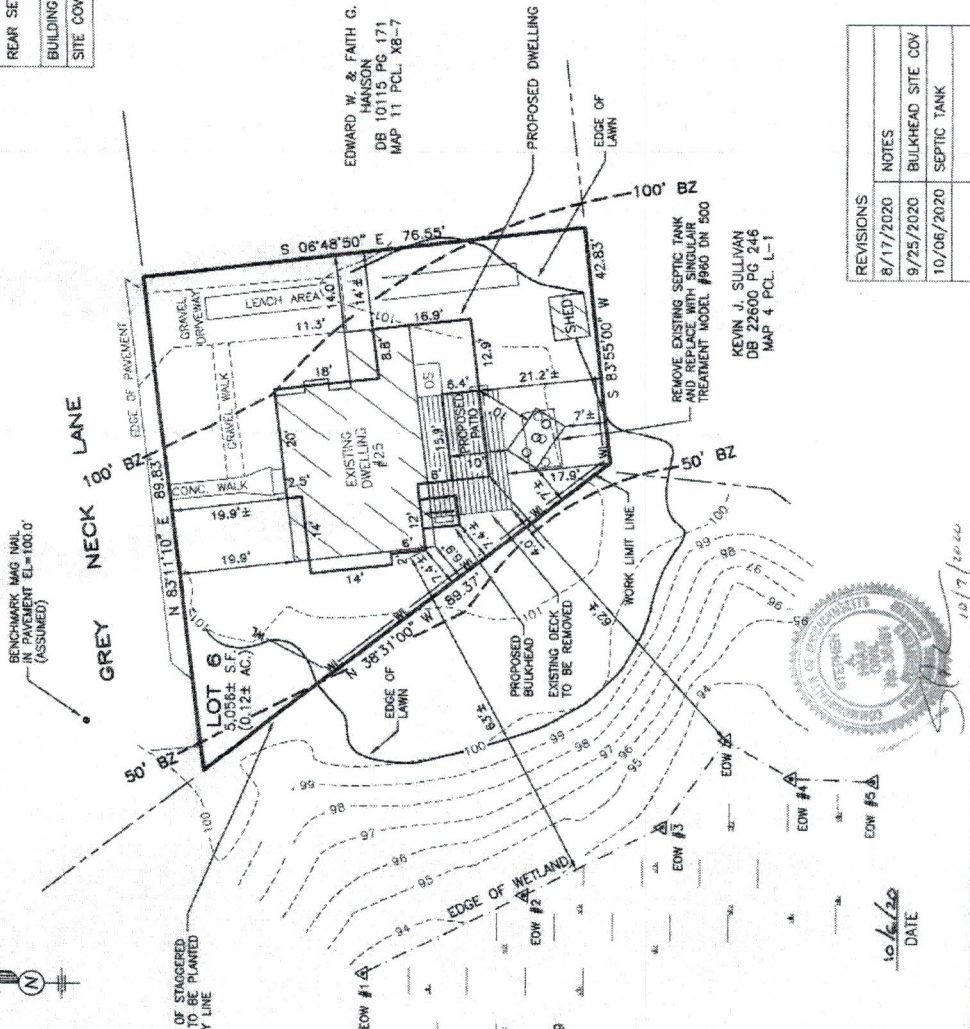
**SITE PLAN OF LAND
 25 GREY NECK LANE
 HARWICH, MA**

PREPARED FOR:
THOMAS & CLAIRE McCABE

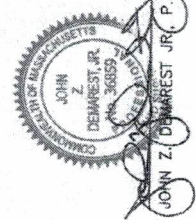
SCALE: 1" = 20' JULY 23, 2020

GRAPHIC SCALE IN FEET
 20' 10' 0' 20' 40'

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



REVISIONS	NOTES
8/17/2020	BULLHEAD SITE CON
9/25/2020	SEPTIC TANK
10/06/2020	



V-C.

OCTOBER 20, 2020
BOARD OF HEALTH MEETING

To: Board of Health
From: Meggan Eldredge, Health Director
Applicant: Thomas & John Couch
Engineer: Dan A. Speakman Construction
Address: 9 Hiawatha Road

On behalf of the owner, Dan Speakman of Dan A. Speakman Construction is applying for variances from 310 CMR 15:000, the State Environmental Code, Title 5 as follows:

Variances from 310 CMR 15.211(1)

1. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 1' from the property line where 10' is required. Variance request of 9'.
2. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 1' from the street property line where 10' is required. Variance request of 9'.
3. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 5' from the foundation where 20' is required. Variance request of 15'.

The request is for the purpose of upgrading the Title 5 septic system that has failed due to lack of separation to groundwater. The applicant is proposing to utilize the existing 1500 gallon septic tank and pump chamber and replace the soil absorption system. There are no alterations to the building proposed at this time.

I recommend approval of the variances with the following conditions:

1. Property to be restricted to a maximum of three (3) bedrooms.
2. No increase in habitable space, square footage or bedrooms without further review by the Board of Health.
3. Variances and conditions to be recorded at the Barnstable County Registry of Deeds.



**Town of Harwich
Board of Health**

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

Office Use Only	
Filing Fee Paid/Amount:	\$125 ⁵
Check #/Cash:	12509
Date App Received:	10/8/2020
Meeting Date:	10/20/2020
Date Approved:	
Date Denied:	
Reason for Denial:	

Application for Board of Health Variances

Date: 10-6-20

Property Address: 9 HIAWATHA ROAD

Map: 6 Parcel: G5-1

Book: _____ Page: _____ Land Court No: _____

Name of Applicant: DAN A SPEAKMAN

Applicant Mailing Address: 15 SPEAK WAY

HARWICH MA 02645

City State Zip Code

Applicant Telephone Number: 508-432-5565

Applicant E-Mail Address: danaspakman@hotmail.com

Owner(s) of Record: THOMAS B COUCH & JOHN R COUCH

Owner(s) Mailing Address: 1107 HULL TER UNIT 2

EVANSTON, IL 60202

City State Zip Code

Design Engineer/Sanitarian: DAN A SPEAKMAN

Firm/Company Name: DAN A SPEAKMAN CONSTRUCTION

Mailing Address: 15 SPEAK WAY

HARWICH MA 02645

City State Zip Code

Telephone Number: 508-432-5565

Design Engineer/Sanitarian E-Mail Address: danaspakman@hotmail.com



Please Choose Application Type:

Voluntary Upgrade: ___ Addition/Alteration: ___ Failed System: EIR: ___
 Other: _____

Conservation Commission Approval Required: No: Yes: ___ Date of CC Hearing: _____

List All Variances from State & Local Codes

Title 5, Section #	Description of Variance(s):
15.211 PER	① Reduction in setback S.A.S. to property
15.405 (1)(a)	line from 10' to 1' - 9' VARIANCE REQUEST
	② Reduction in setback S.A.S. to STREET
	line from 10' to 1' 9' VARIANCE REQUEST
PER 15.405	① Reduction in setback S.A.S. to
(1)(b)	foundation from 20' to 5' 15' VARIANCE REQUEST
Harwich Reg. #	Description of Variance(s):
	SEE ABOVE

In addition to this form, 8 packets of the following must be submitted by 4:00 p.m. on the filing deadline date:

- Letter to Board of Health
- Letter to abutters (bring certified mail receipts to the meeting)
- Copy of certified abutter list
- Existing variance letter (if applicable)
- Floor plans (all floors/existing & proposed)
- Site plan
- Filing Fee \$125.00 (Variance)/\$300.00 (EIR)

DAN A. SPEAKMAN CONSTRUCTION
LAND SURVEYING & TITLE V ENGINEERING DIVISION

15 SPEAK WAY
NORTH HARWICH, MASSACHUSETTS 02645

Phone: (508) 432-5565
Fax: (508) 432-5099
Email: Danaspeakman@hotmail.com

October 2, 2020

Town of Harwich
Board of Health
732 Main Street
Harwich, MA 02645

Re: Couch, 9 Hiawatha Road, Harwich

Dear Members of the Board:

This letter is a request for variances from Title V and the Harwich Health Regulations as follows:

Variance Requests:

From the Harwich Health Regs & Title 5 15.211 per 15.405(1)(a)

1. Reduction in setback S.A.S. to property line from 10' to 1'-9' variance request
2. Reduction in setback S.A.S. to street line from 10' to 1'-9' variance request

Per 15.405(1)(b)

1. Reduction in setback S.A.S. to foundation from 20' to 5'-15' variance request

Respectfully submitted

Dan A. Speakman

date

DAN A. SPEAKMAN CONSTRUCTION
LAND SURVEYING & TITLE V ENGINEERING DIVISION

15 SPEAK WAY
NORTH HARWICH, MASSACHUSETTS 02645

Phone: (508) 432-5565
Fax: (508) 432-5099
Email: Danaspeakman@hotmail.com

REVISED

October 8, 2020

Dear Abutor:

In accordance with the Town of Harwich minimum requirements for the subsurface disposal of sanitary sewage, you are being informed, as an abutor, that variances are being requested as follows:

Variance Requests:

From the Harwich Health Regs & Title 5 15.211 per 15.405(1)(a)

1. Reduction in setback S.A.S. to property line from 10' to 1'-9' variance request
2. Reduction in setback S.A.S. to street line from 10' to 1'-9' variance request

Per 15.405(1)(b)

1. Reduction in setback S.A.S. to foundation from 20' to 5'-15' variance request
- 2.

For: **9 Hiawatha Road, Harwich**

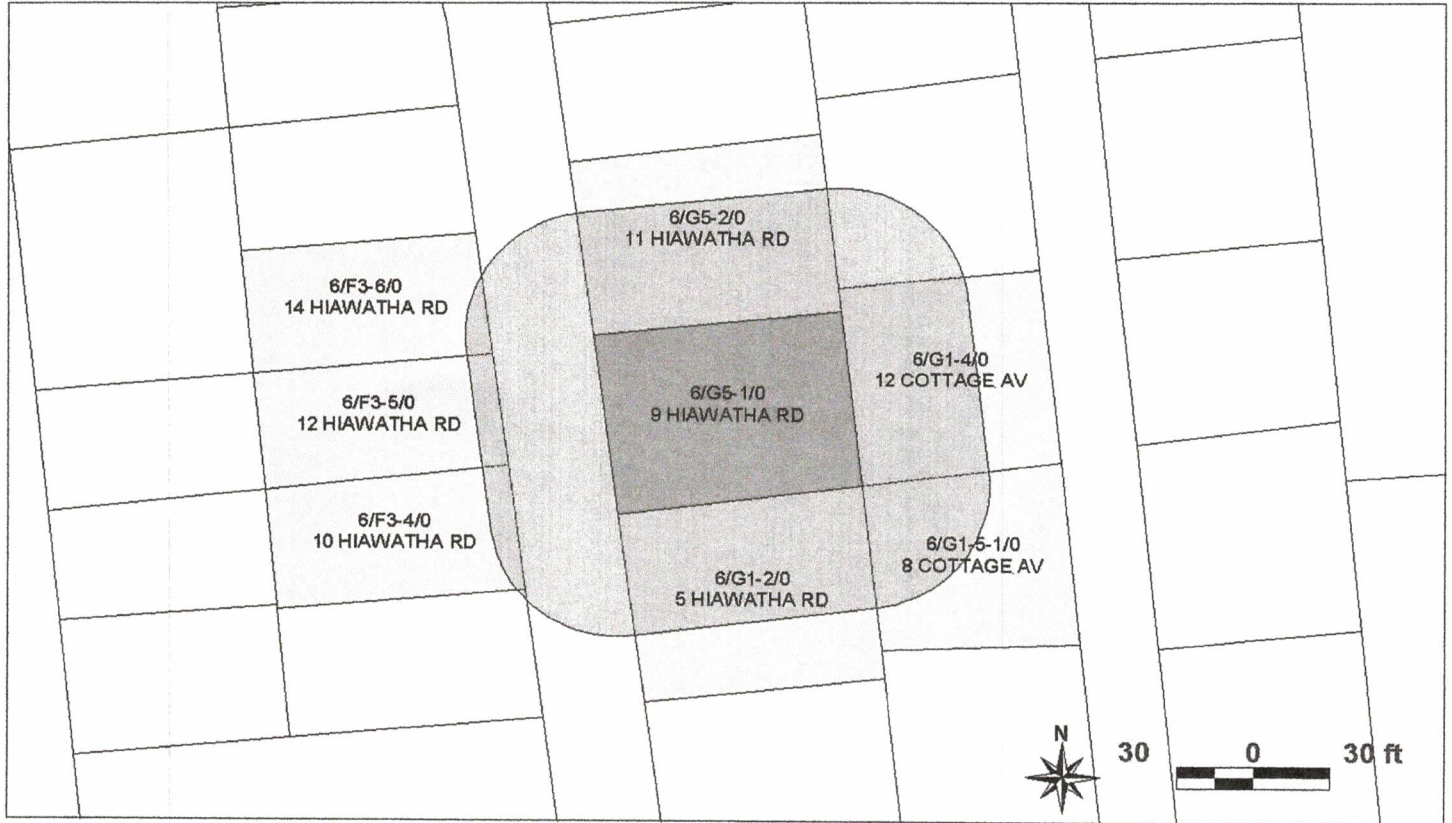
Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §20, and the Governor's March 15, 2020 Order imposing strict limitations on the number of people that may gather in one place, this meeting of the Harwich Board of Health is being conducted via remote participation. No in-person attendance of members of the public will be permitted, but every effort will be made to ensure that the public can adequately access the proceedings as provided for in the Order. The agenda, including dial-in instructions, will be posted on the Town of Harwich website www.town.harwich.ma.us

A public hearing will be held at 10/20/20 at 7pm



TOWN OF HARWICH, MA
 BOARD OF ASSESSORS
 732 Main Street, Harwich, MA 02645

Abutters List Within 50 feet of Parcel 6/G5-1/0



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
847	6-F3-4-0-R	COHEN SCOTT J & COHEN ANDRIA	10 HIAWATHA RD	69 PRINCETON RD	ARLINGTON	MA	02474
848	6-F3-5-0-R	FOGAREN DAVID C TRS ET AL FOGAREN LISA M TRS	12 HIAWATHA RD	75 BIRCHWOOD RD	TEWKSBURY	MA	01876
849	6-F3-6-0-R	DEL TATTO CHARLES D & DEL TATTO MARY	14 HIAWATHA RD	14 HIAWATHA RD	HARWICH PORT	MA	02646
858	6-G1-2-0-R	BRASSARD ELLEN M TR ELLEN M BRASSARD 2007 TRUST	5 HIAWATHA RD	5 HIAWATHA RD	HARWICH PORT	MA	02646
859	6-G1-4-0-R	BURKE THOMAS J & BURKE REGINA A	12 COTTAGE AV	270 MURRAY AVE	DELMAR	NY	12054
860	6-G1-5-1-0-R	PAOLELLA LORRAINE A	8 COTTAGE AV	66 HIGH ST UNIT 24	GUILFORD	CT	06437
889	6-G5-1-0-R	COUCH THOMAS B & COUCH JOHN R	9 HIAWATHA RD	1107 HULL TER UNIT 2	EVANSTON	IL	60202
890	6-G5-2-0-R	PLOTNER ANDREW G & PLOTNER KARRIN W	11 HIAWATHA RD	12 MAY ST	NEEDHAM	MA	02492

6-F3-4-0-R

COHEN SCOTT J &
COHEN ANDRIA
69 PRINCETON RD
ARLINGTON, MA 02474

6-F3-5-0-R

FOGAREN DAVID C TRS ET AL
FOGAREN LISA M TRS
75 BIRCHWOOD RD
TEWKSBURY, MA 01876

6-F3-6-0-R

DEL TATTO CHARLES D &
DEL TATTO MARY
14 HIAWATHA RD
HARWICH PORT, MA 02646

6-G1-2-0-R

BRASSARD ELLEN M TR
ELLEN M BRASSARD 2007 TRUST
5 HIAWATHA RD
HARWICH PORT, MA 02646

6-G1-4-0-R

BURKE THOMAS J &
BURKE REGINA A
270 MURRAY AVE
DELMAR, NY 12054

6-G1-5-1-0-R

PAOLELLA LORRAINE A
66 HIGH ST UNIT 24
GUILFORD, CT 06437

6-G5-1-0-R

COUCH THOMAS B &
COUCH JOHN R
1107 HULL TER UNIT 2
EVANSTON, IL 60202

6-G5-2-0-R

PLOTNER ANDREW G &
PLOTNER KARRIN W
12 MAY ST
NEEDHAM, MA 02492

V-D.

OCTOBER 20, 2020
BOARD OF HEALTH MEETING

To: Board of Health
From: Meggan Eldredge, Health Director
Applicant: Ellen Irene Allison
Engineer: Bradley Bertolo, JC Engineering, Inc.
Address: 71 Depot Road West

On behalf of the owner, Bradley Bertolo of JC Engineering, Inc. is applying for a variance from 310 CMR 15:000, the State Environmental Code, Title 5 as follows:

Variances from 310 CMR 15.211(1)

1. Per 310 CMR 15.211(1): To allow a proposed soil absorption system to be 15.1' from the crawl space where 20' is required. Variance request of 4.9'.

The request is for the purpose of upgrading the existing cesspool system to a Title 5 septic system. The proposed septic system will consist of a 2,000 gallon 2-compartment septic tank (H2O), 1,000 gallon pump chamber (H2O), distribution box and five bedroom soil absorption system. There are no alterations proposed to the dwelling at this time.

I recommend approval of the variances with the following conditions:

1. Property is restricted to a maximum of five (5) bedrooms.
2. No increase in habitable space or square footage to the dwelling without further review by the Board of Health.
3. Variances and conditions to be recorded at the Barnstable County Registry of Deeds.



**Town of Harwich
Board of Health**

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

Office Use Only	
Filing Fee Paid/Amount:	\$125 -
Check #/Cash:	6050
Date App Received:	10/8/2020
Meeting Date:	10/20/2020
Date Approved:	
Date Denied:	
Reason for Denial:	

Application for Board of Health Variances

Date: 10/7/2020

Property Address: 71 Depot Road West, West Harwich

Map: 18 Parcel: X2-18

Book: 1381 Page: 272 Land Court No: _____

Name of Applicant: Jeffrey Davis

Applicant Mailing Address: 277 East Street

Dedham MA 02026

City State Zip Code

Applicant Telephone Number: _____

Applicant E-Mail Address: jefferybdav@gmail.com

Owner(s) of Record: Ellen Irene Allison

Owner(s) Mailing Address: 71 Depot Road West

West Harwich MA 02671

City State Zip Code

Design Engineer/Sanitarian: Bradley M. Bertolo, EIT, CSE

Firm/Company Name: JC Engineering, Inc.

Mailing Address: 2854 Cranberry Highway

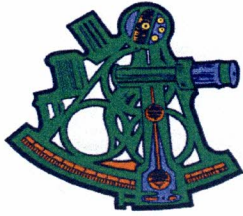
E. Wareham MA 02538

City State Zip Code

Telephone Number: 508-273-0377

Design Engineer/Sanitarian E-Mail Address: bbertolo@jcengineeringinc.com





JC ENGINEERING, Inc.
Civil & Environmental Engineering
2854 Cranberry Highway
East Wareham, Massachusetts 02538
Ph. 508-273-0377 - Fax 508-273-0367

October 7, 2020

Town of Harwich
Board of Health
732 Main Street
Harwich, MA 02645

RE: Request for Local Upgrade Approval at 71 Depot Road W, West Harwich

Dear Members of the Board:

Please find enclosed a design drawing entitled, "Proposed Septic System Upgrade" located at 71 Depot Road W, West Harwich, MA, dated October 7, 2020 for your review and approval. This project is necessary for the upgrade of an existing failed septic system (cesspools at title transfer) for an existing 5-bedroom, 2-family dwelling. Due to site constraints, a local upgrade approval is necessary to allow for the placement of the septic system as shown on the above mentioned Plan.

In accordance with 310 CMR 15.401 - 15.405, the following local upgrade approval is requested from Title 5 - 310 CMR 15.211:

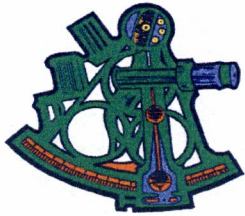
- (1). A 4.9' waiver (20.0' - 15.1') for the setback from the proposed leaching facility to the crawl space foundation at the locus property.

As can be seen on the Plan, the proposed leaching facility is proposed with a setback of 15.1 feet from a crawl space foundation, which 4.9 feet less than the required minimum setback as specified in 310 CMR 15.211. Due to the above requested setback waiver, a 40 mil geomembrane liner will be installed on all sides of the soil absorption system and will extend below the elevation of the crawl space.

Thank you for you assistance on this project.

Sincerely,

Bradley M. Bertolo, EIT, CSE
Project Engineer



JC ENGINEERING, Inc.
Civil & Environmental Engineering
2854 Cranberry Highway
East Wareham, Massachusetts 02538
Ph. 508-273-0377—Fax 508-273-0367

MEETING NOTICE

Dear Abutter:

A REMOTE public hearing has been scheduled for the Harwich Board of Health to take action on an application for variances from the regulations of the Harwich Board of Health and/or Title 5 for Subsurface Disposal of Sewage. You are hereby notified that there will be a hearing held on October 20, 2020 at 7:00. Additional information and directions to remotely join this meeting utilizing GoToMeeting will be posted on the Town of Harwich Website prior to the date of the hearing.

The project involves the installation of a Title 5 septic system at 71 Depot Road W, West Harwich, MA (Assessor's Map 18, Lot X2-18) to replace existing cesspools.

In accordance with State Environmental Code, Title 5, 310 CMR 15.401 - 15.405, the following local upgrade approval is requested from 310 CMR 15.211:

- (1). A 4.9' waiver (20.0' - 15.1') for the setback from the proposed leaching facility to the crawl space foundation at the locus property.

If you have any questions, you may contact Bradley Bertolo at the number listed above or the Harwich Health Department at 508-430-7509. The application and plans are available for review at the Harwich Health Department, Harwich Town Hall, 732 Main Street, Harwich, MA; Monday through Friday (excluding holidays) from 8:30 am to 4:00 pm.

Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §20, and the Governor's March 15, 2020 Order imposing strict limitations on the number of people that may gather in one place, this meeting of the

Harwich Board of Health is being conducted via remote participation. No in-person attendance of members of the public will be permitted, but every effort will be made to ensure that the public can adequately access the proceedings as provided for in the Order. The agenda, including dial-in instructions, will be posted on the Town of Harwich website

www.town.harwich.ma.us



TOWN OF HARWICH, MA
 BOARD OF ASSESSORS
 732 Main Street, Harwich, MA 02645

Abutters List Within 50 feet of Parcel 18/X2-18/0



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
10588	18-V1-0-E	HARWICH HOUSING AUTHORITY	66 DEPOT ROAD WEST	PO BOX 483	HARWICH	MA	02645
2419	18-V6-1-0-R	FLANAGAN JOHN J	74 DEPOT ROAD WEST	74 DEPOT ROAD WEST	W HARWICH	MA	02671
2420	18-V6-2-0-R	PISELLI ANTOINETTE ET AL ROSSI VICTORIA	70 DEPOT ROAD WEST	91 ATWATER AVE UNIT 19	DERBY	CT	06418
2423	18-X1-11-0-R	GROSE ROBERT S ET AL GROSE ROXANNE M	75 DEPOT ROAD WEST	233 LINDEN ST	BOYLSTON	MA	01505
2427	18-X2-16-0-R	ORMOND WILLIAM D	3 NEVINS LN	PO BOX 124	W HARWICH	MA	02671
2428	18-X2-17-0-R	BASSETT RUSSELL M & BASSETT DEBRA A	65 DEPOT ROAD WEST	PO BOX 243	BREWSTER	MA	02631
2429	18-X2-18-0-R	ALLISON ELLEN IRENE	71 DEPOT ROAD WEST	71 DEPOT RD WEST	W HARWICH	MA	02671
2430	18-X2-19-0-R	KC PRALHAD	4 NEVINS LN	111 DAVIS RD	BEDFORD	MA	01730

18-V1-0-E

HARWICH HOUSING AUTHORITY
PO BOX 483
HARWICH, MA 02645

18-V6-1-0-R

PISELLI ANTOINETTE ET AL
ROSSI VICTORIA
91 ATWATER AVE UNIT 19
DERBY, CT 06418

18-V6-2-0-R

18-X1-11-0-R

GROSE ROBERT S ET AL
GROSE ROXANNE M
233 LINDEN ST
BOYLSTON, MA 01505

18-X2-16-0-R

ORMOND WILLIAM D
PO BOX 124
W HARWICH, MA 02671

18-X2-17-0-R

BASSETT RUSSELL M &
BASSETT DEBRA A
PO BOX 243
BREWSTER, MA 02631

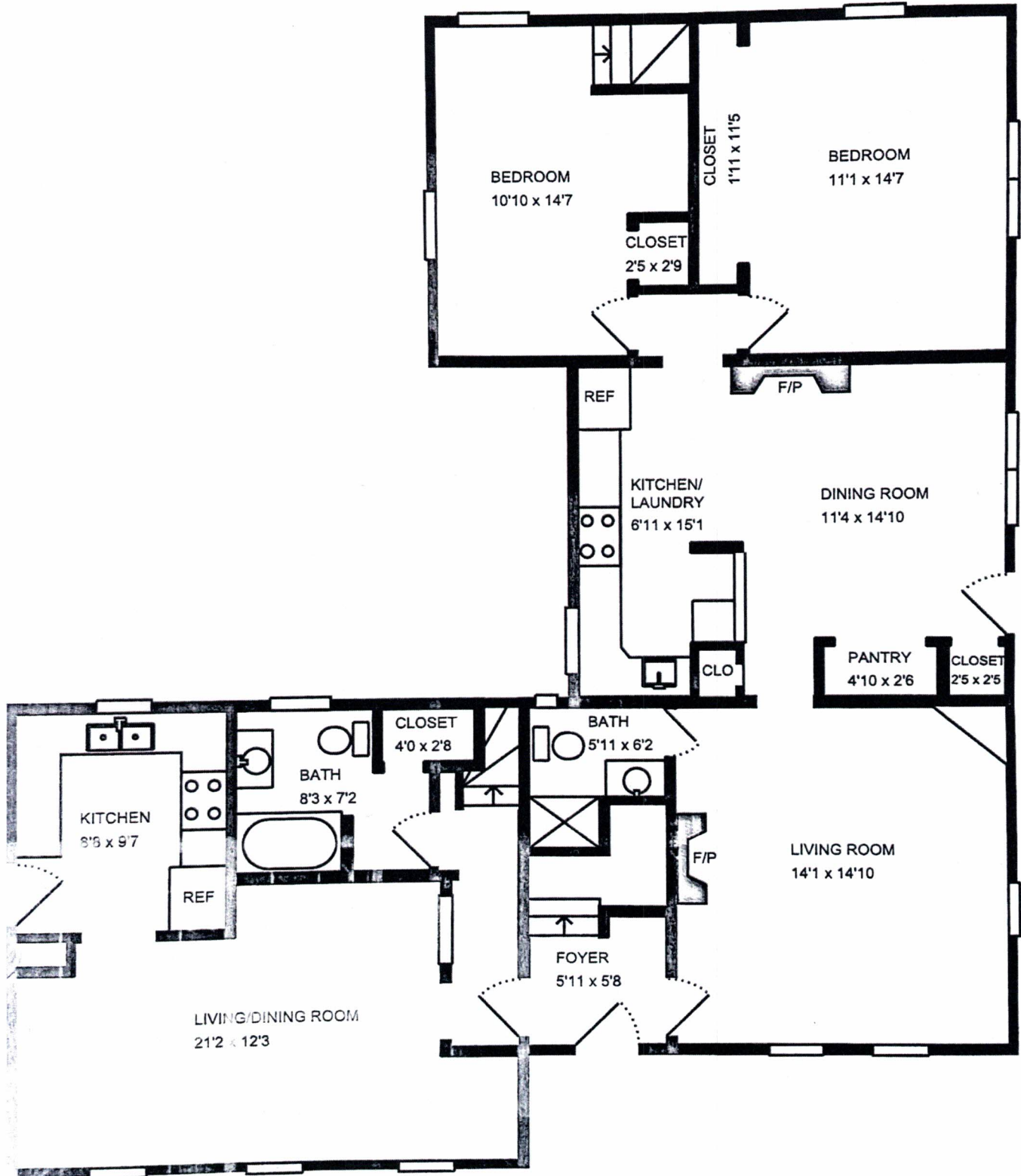
18-X2-18-0-R

ALLISON ELLEN IRENE
71 DEPOT RD WEST
W HARWICH, MA 02671

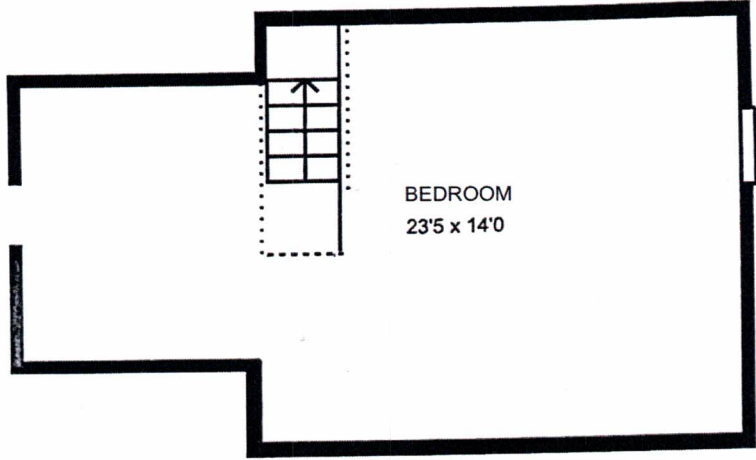
18-X2-19-0-R

KC PRALHAD
111 DAVIS RD
BEDFORD, MA 01730

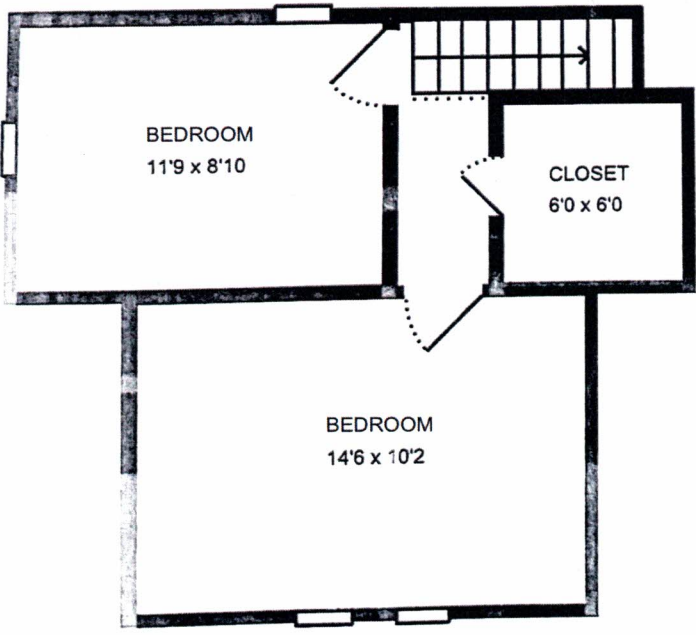
71 DEPOT ROAD WEST, WEST HARWICH



FIRST FLOOR



BEDROOM
23'5" x 14'0"



BEDROOM
11'9" x 8'10"

CLOSET
6'0" x 6'0"

BEDROOM
14'6" x 10'2"

SECOND FLOOR

Key: 2429

Town of HARWICH - Fiscal Year 2020

12/13/2019 11:57 am SEQ #: 2,228

CLASS	CLASS%	DESCRIPTION	BN ID	BN	CARD			
1040	100	TWO FAMILY		1	1 of 1			
PMT NO	PMT DT	TY	DESC	AMOUNT	INSP	BY	1st	%
		56	CYCL-NO GR		01/10/2011	MO	100	100
		6	CYCL GROWTH		01/01/2000	MO	100	100

CURRENT OWNER		LOCATION	
ALLISON ELLEN IRENE		71 DEPOT ROAD WEST	
71 DEPOT RD WEST		W HARWICH, MA 02871	
TRANSFER HISTORY	DOS	T	SALE PRICE
ALLISON ELLEN IRENE	10/18/1967	OS	8,000
BK-PG (Cert)			1381-272


CD	T	AC/SE/UN	Ngh	Inff1	Inff2	ADJ BASE	SAF	Topo	Lpl	VC	CREDIT AMT	ADJ VALUE
100	S	10,019	3	1.00	1	145,945	3.05	100	1.00	1	0.85	102,380

TOTAL	10,019 SF	ZONING	FRNT	0
Ngh	3	N		
Inff1	NONE	O		
Inff2	FACTOR 100	T		
		E		

TY	QUAL	COND	DIM/NOTE	YB	UNITS	ADJ PRICE	RCNLD
SHF	A	1.00	A 0.75 10X10	1989	100	17.18	1,300

ASSESSED	CURRENT	PREVIOUS
LAND	102,400	97,100
BUILDING	150,400	147,600
DETACHED	1,300	1,200
OTHER	0	0
TOTAL	254,100	245,900

PHOTO 02/27/2001



BLDG COMMENTS
CHECK UNFIN ADDITION.



BUILDING	CD	ADJ	DESC
MODEL	1		RESIDENTIAL
STYLE	4	1.30	CAPE [100%]
QUALITY	A	1.00	AVERAGE [100%]
FRAME	1	1.00	WOOD FRAME [100%]

MEASURE	LIST	REVIEW
1/10/2011	MO	
8/1/1990	JZ	
5/13/2010	DS	

YEAR BLT	SIZE ADJ	ADJ
1750	1.000	1.000
NET AREA	1,938	DETAIL ADJ
\$/LN(RCN)	\$112	OVERALL

CAPACITY	UNITS	ADJ
STORIES(FAR)	1.5	1.00
ROOMS	10	1.00
BEDROOMS	5	1.00
BATHROOMS	2	\$4,575
HALF BATHS	0	1.00
UNITS	2	.85

ELEMENT	CD	DESCRIPTION	ADJ
FOUNDATION	3	CONTIN WALL	1.00
EXT. COVER	1	WOOD SHINGLES	1.00
ROOF SHAPE	1	GABLE	1.00
FLOOR COVER	1	ASPHALT SHINGLE	1.00
INT. FINISH	2	SOFTWOOD	1.00
HEATING/COOLING	2	DRYWALL	1.00
FUEL SOURCE	1	FORCED AIR	1.00
	2	GAS	1.00

S	B	T	DESCRIPTION	UNITS	YB	ADJ PRICE	RCN	TOTAL RCN	CONDITION	ELEM	CD
A	CRL	N	CRAWL SPACE	440		0.00		217,959	EXTERIOR	CD	
+	USF	L	UP-STRY FIN	550	1750	91.45	50,300		INTERIOR		
+	BAS	L	BAS AREA	1,388	1750	110.04	152,739		KITCHEN		
E	ASH	N	ATT SHED	80		17.79	1,423		BATHS		
P	PAT	N	PATIO	200		7.35	1,470		HEATELEC		
F	F21	O	FPL 2S TOP	135		7.73	1,044				
				1		6,409.00	6,409				

EFF. YR/AGE	1970 / 48
COND	31 31 %
FUNC	0
ECON	0
DEPR	31 1% GD
RCNLD	\$150,400

GENERAL NOTES

- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL RULES.
- THE ENTIRE PROJECT PLAN MUST BE APPROVED BY THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
- 4" SCHEDULE 40 PVC PIPE WITH WATER TIGHT JOINTS SHALL BE USED IN DISPOSAL SYSTEMS UNLESS OTHERWISE NOTED.
- TO PREVENT BREAKDOWN, THE PROPOSED FINISH GRADE SHALL NOT BE LESS THAN 4" MIN. ABOVE THE TOP OF THE MANHOLE. THE FINISH GRADE SHALL BE AT LEAST FIVE FEET FROM S.W. AND THE TOP OF THE MANHOLE IS NOT LESS THAN THE FINISH GRADE ELEVATION.
- SOUP ALL SOLID PIPE AT 1% MINIMUM.
- THIS SYSTEM IS NOT DESIGNED FOR A GARAGE DISPOSAL.
- NO DETERMINATION HAS BEEN MADE AS TO WHETHER TO BACKFILL OR TO BACKFILL WITH SOIL OR COMBINATION THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FROM BOARD OF HEALTH AND DESIGN ENGINEER.
- ASSUMES THAT ALL UTILITIES ARE AS SHOWN ON PLAN.
- CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION THROUGH HIS SAFE AT LEAST 72 HOURS PRIOR TO COMMENCING WORK ON SITE AT THE LOCATION OF ANY UTILITIES. REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.
- ALL JOINTS WHERE PIPE ENTRIES AND EXITS CONCRETE STRUCTURES SHALL BE MADE WATER TIGHT.
- NO DETERMINATION HAS BEEN MADE AS TO WHETHER TO BACKFILL OR TO BACKFILL WITH SOIL OR COMBINATION THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FROM BOARD OF HEALTH AND DESIGN ENGINEER.
- ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND 4" LOADING UNLESS LOCATED UNDER PAVEMENT, DRIVES OR TRAVELED WAYS IN WHICH CASE THEY SHALL WITHSTAND 14" LOADING.
- DOUBLE WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
- WHERE REQUIRED, CONTRACTOR SHALL REMOVE ALLOWABLE UNSUBSTANTIAL AND UNSUITABLE MATERIAL FROM THE PROJECT SITE AND REPLACE ALL UNSUBSTANTIAL MATERIAL WITH CLEAN FILL IN ACCORDANCE WITH 310 CMR 12.02(5).
- CONTRACTOR SHALL NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES FOUND IN SITE CONDITIONS FROM THOSE SHOWN PRIOR TO CONTINUATION OF WORK.
- PROPOSED PROJECT IS LOCATED WITHIN:
 - ASSESSORS MAP # 15 LOT # 32-18
 - FLOOD ZONE (AS E.L.) AS SHOWN ON PANEL # 230010011J
 - OWNER OF RECORD: ELLIEN REINE ALCOCK
 - ADDRESS: 71 DEPOT ROAD WEST WEST HARMWICH, MASS 01921
- SEE REFERENCE: 8000 DEPOT ROAD, PAGE 772
- SEE REFERENCE: PLAN BOOK PAGE 14
- IF CONTRACTOR HAS ANY CONCERNS REGARDING THE ACCURACY OF ANY UTILITIES SHOWN ON THE PLAN, THEY SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES THROUGH THE USE OF A GROUND PENETRATING RADAR (GPR) OR OTHER APPROPRIATE METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES THROUGH THE USE OF A GROUND PENETRATING RADAR (GPR) OR OTHER APPROPRIATE METHODS.
- ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND 4" LOADING UNLESS LOCATED UNDER PAVEMENT, DRIVES OR TRAVELED WAYS IN WHICH CASE THEY SHALL WITHSTAND 14" LOADING.
- ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND 4" LOADING UNLESS LOCATED UNDER PAVEMENT, DRIVES OR TRAVELED WAYS IN WHICH CASE THEY SHALL WITHSTAND 14" LOADING.

PROPOSED SEPTIC SYSTEM UPGRADE

PREPARED FOR: **JEFFREY DAVIS**
 LOCATED AT: **71 DEPOT ROAD WEST WEST HARMWICH, MA**
 PREPARED BY: **JC ENGINEERING, INC. 2854 CORNBERRY HIGHWAY EAST WARREN, MA 02538 508-273-0377**
 DATE: **OCTOBER 2, 2020**
 SCALE: **1" = 10' FT.**

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED RELOCATED WATERLINE
- EXISTING OVERHEAD UTILITIES
- TEST PIT LOCATION
- PROPOSED 2000 GALLON TANK (H-20)
- PROPOSED 1000 GALLON PUMP CHAMBER (H-20)
- 4" SOLID SCHEDULE 40 PVC PIPE
- 2" SOLID SCHEDULE 40 PVC PIPE
- DISTRIBUTION BOX
- ARC38 STANDARD CHAMBER

DESIGN DATA

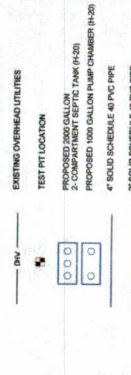
DOSEING & STORAGE REQUIREMENTS
 DESIGN FLOW: 500 GPD
 DOSEING REQUIRED: 4 CYCLE/DAY
 DISTANCE REQUIRED BETWEEN PUMP AND STORAGE: 133' (SEE PLAN)
 STORAGE REQUIRED ABOVE WORKING LEVEL: 500 GAL
 STORAGE PROVIDED ABOVE WORKING LEVEL: 500 GAL

INSTALL (32) ARC38 STANDARD CHAMBERS
 SYSTEM CAPACITY: 1200 GPD (1200 GPD/FT) (1200 GPD/FT) (1200 GPD/FT)
 TOTAL LENGTH (148.8 FT) (148.8 FT) (148.8 FT)
 TOTAL NUMBER OF CHAMBERS: 32
 TOTAL LEACHING CAPACITY: 384,000 GAL/DAY

TEST PIT DATA

TEST PIT #	DATE	TESTER	PERCENTAGE	DEPTH OF PERC"	TEXTURAL CLASS
1	10/2/20	JC	31	1	1
2	10/2/20	JC	31	1	1

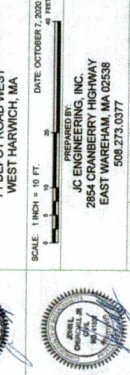
CHAMBER END VIEW



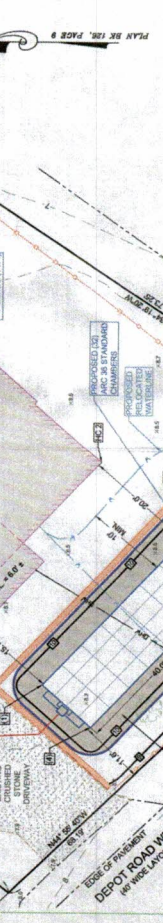
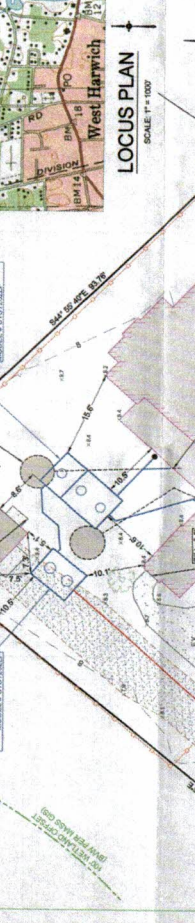
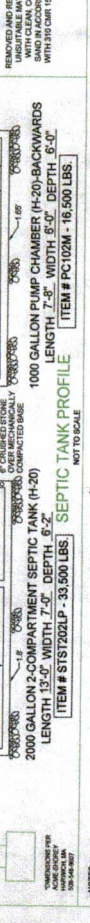
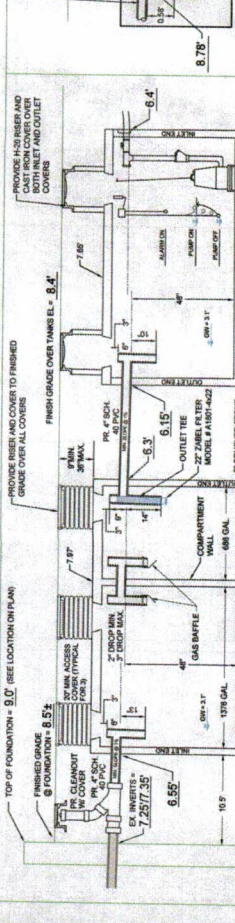
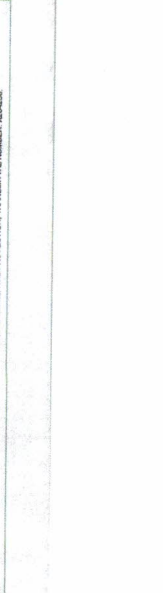
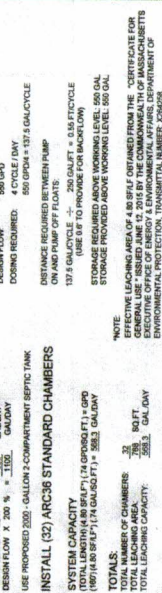
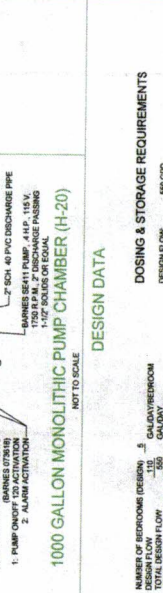
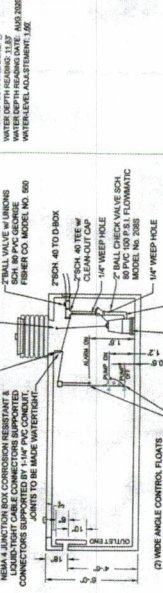
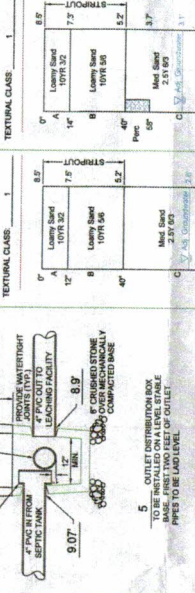
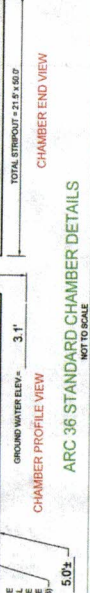
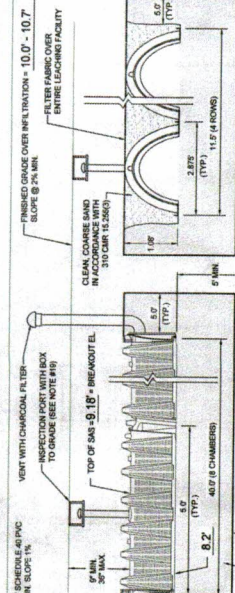
CHAMBER PROFILE VIEW



ARC 38 STANDARD CHAMBER DETAILS



DISTRIBUTION BOX DETAIL



DESCRIPTION	HC 1	HC 2
CORNER CHAMBER (1)	16.7	11.9
CORNER CHAMBER (2)	44.1	39.2
CORNER CHAMBER (3)	53.8	31.7
CORNER CHAMBER (4)	27.2	48.7

NOTES:
 1. MAGNETIC MARKING TYPE SHALL BE PLACED ALONG THE TOP OF THE FOUNDATION.
 2. ENTIRE PROJECT IS TO BE LOCATED WITHIN A DEP APPROVED ZONE 1.

LOCUS PLAN
 SCALE 1" = 1000'

SITE PLAN
 SCALE 1" = 10'

KEYSTONE RETAINING WALL
 NOT TO SCALE

DESIGN DATA

TEST PIT DATA

CHAMBER END VIEW

CHAMBER PROFILE VIEW

ARC 38 STANDARD CHAMBER DETAILS

DISTRIBUTION BOX DETAIL

DOSEING & STORAGE REQUIREMENTS

INSTALL (32) ARC38 STANDARD CHAMBERS

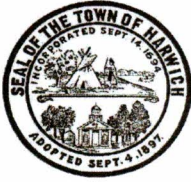
TEST PIT DATA

CHAMBER END VIEW

CHAMBER PROFILE VIEW

ARC 38 STANDARD CHAMBER DETAILS

DISTRIBUTION BOX DETAIL



Town of Harwich Board of Health

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

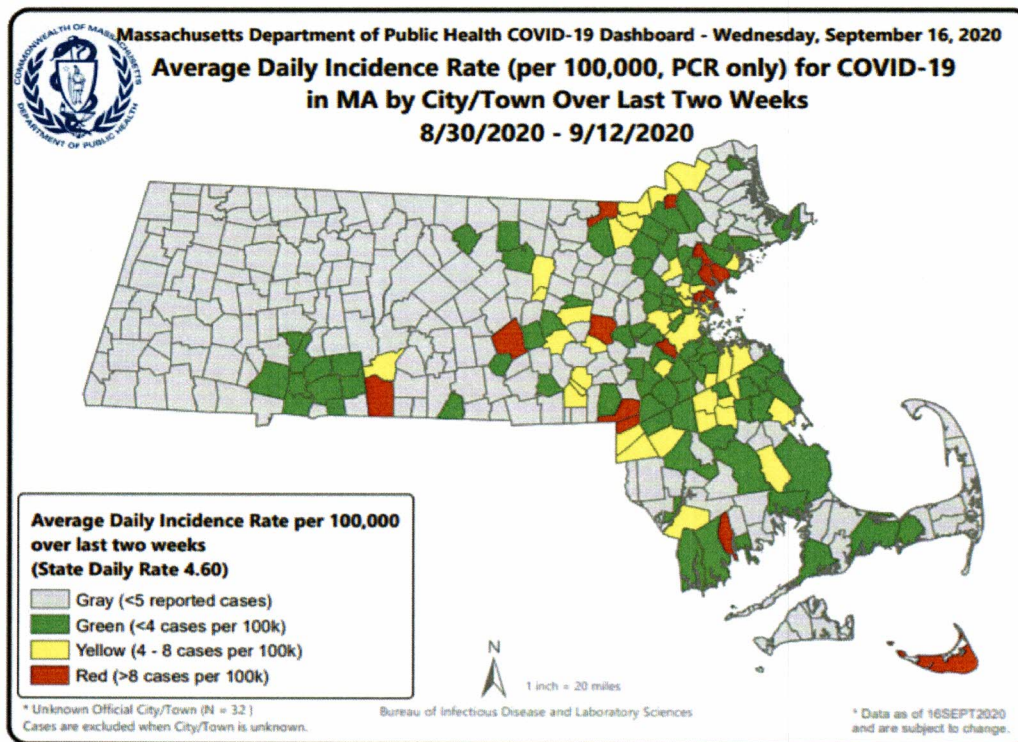
VI.

September 18, 2020

Weekly COVID-19 Update

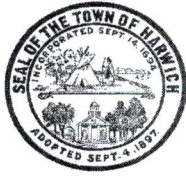
Over the last week, Harwich has seen one new confirmed case of COVID-19, bringing our cumulative total to 147. This new active case is the only active case in town.

To date 4192 people in Harwich have been tested for COVID-19 and our positivity rate has decreased to 0.79%. Harwich has moved from green back to gray according to the DPH:



The Annual Town Meeting is scheduled for Saturday, September 26th at 10:00 am at the Monomoy Regional High School Football Field. Voter check in will begin at 9 am. Please bring your face covering and be respectful of social distancing before, during and after the meeting. Face coverings should be worn anytime you will be within 6' of others.

Meggan Eldredge
Health Director



**Town of Harwich
Board of Health**

732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

September 28, 2020

Weekly COVID-19 Update

Over the last 10 days, Harwich has seen 5 new confirmed cases of COVID-19, bringing our cumulative total to 152. We are following a total of 7 active cases in Harwich right now.

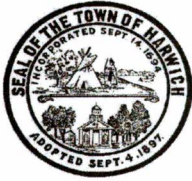
To date 4404 people in Harwich have been tested for COVID-19 and our positivity rate has decreased further to 0.51%. Hospitalizations seem to be on the rise with 6 people inpatient at the two facilities on the Cape, one in ICU.

The Town of Harwich experienced our first positive employee, a staff member at the Golf Department. This staff member worked a short shift that did not include any contact with the public or other employees during their infectious period. A full disinfection has been conducted at the Golf facility per standards.

Several safety standards have been updated by the Baker Administration. These updates include allowing seating parties of up to 10 at restaurants, allowing seating at the bar with restrictions and allowing self-serve beverage stations to reopen in retail settings. For full reopening standards for these specific sectors, please visit <https://www.mass.gov/info-details/reopening-massachusetts>

Have a safe week,

Meggan Eldredge
Health Director



Town of Harwich Board of Health

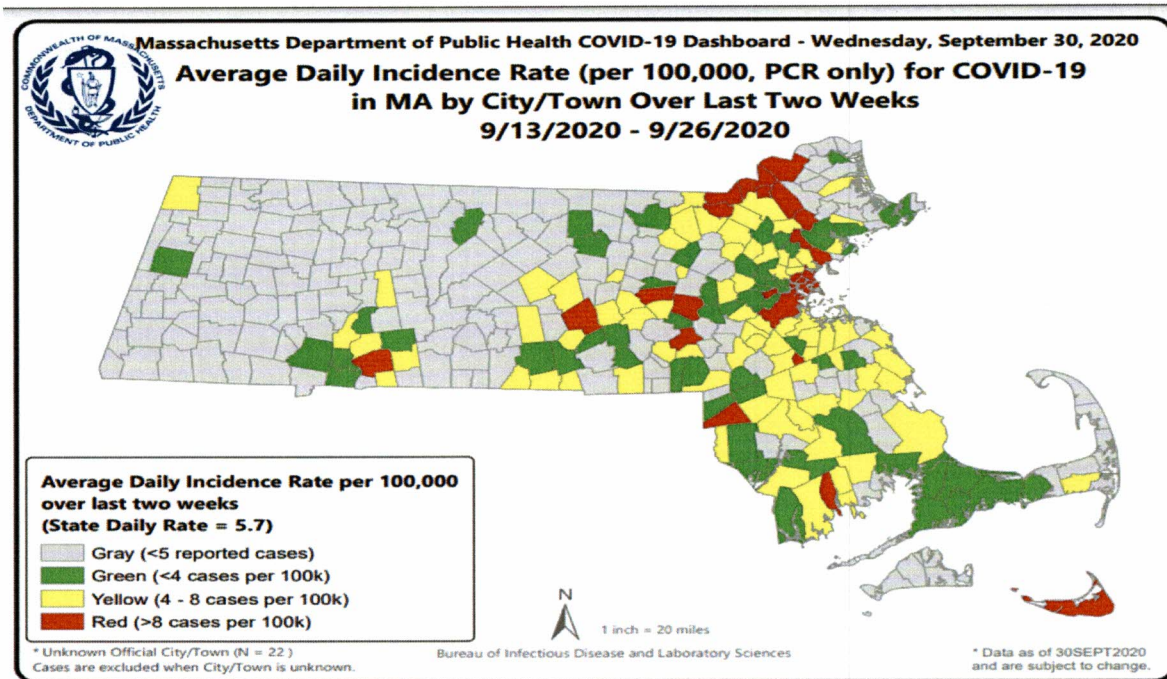
732 Main Street Harwich, MA 02645
508-430-7509 – Fax 508-430-7531
E-mail: health@town.harwich.ma.us

October 1, 2020

Weekly COVID-19 Update

Over the last 14 days, Harwich has seen 8 new confirmed cases of COVID-19, bringing our cumulative total to 157. This increase has put us into the “yellow” category on the Department of Public Health’s map. We are following a total of 6 active cases in Harwich right now.

To date 4699 people in Harwich have been tested for COVID-19 and our positivity rate has increased to 1.65%. Hospitalizations seem to be on the rise with 7 people inpatient at the two facilities on the Cape, one in ICU.



Because Harwich has not been “red” over the last three week, we are able to move into Phase 3, Step 2 of the reopening plan. Major changes to this new step are as follows:

Effective October 5, a limited number of sectors will be eligible to reopen, with restrictions, in Step II of Phase III for lower risk communities only:

- Indoor performance venues will be permitted to open with 50% capacity with a maximum of 250 people.

- Outdoor performance venue capacity will increase to 50% with a max of 250 people.
- For arcades and indoor and outdoor recreation businesses, additional Step II activities like trampolines, obstacle courses, roller rinks and laser tag will also be permitted to open and capacity will increase to 50%.
- Fitting rooms will be permitted to open in all types of retail stores.
- Gyms, museums, libraries and driving and flight schools will also be permitted to increase their capacity to 50%.

Revised Gatherings Order:

- The limit for indoor gatherings remains at a maximum of 25 people for all communities.
- Outdoor gatherings at private residences and in private backyards will remain at a maximum of 50 people for all communities.
- Outdoor gatherings at event venues and in public settings will have a limit of 50 people in Step I communities, and a limit of 100 people in lower risk, Step II communities.

For full reopening standards for these specific sectors, please visit <https://www.mass.gov/info-details/reopening-massachusetts>

Communities are at risk of moving back into Step 1 of Phase 3 if our case incidence is above 8 per 100,000 for three weeks in a row. Let's stay out of the red!

Meggan Eldredge
Health Director



**Town of Harwich
Board of Health**

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October 8, 2020

Weekly COVID-19 Update

The current total cases of COVID-19 for the Town of Harwich is 162. This is an increase of 5 cases over the last 7 days. Please note that 2 of these cases are college students who are isolating at school. We are following a total of 5 active cases in Harwich right now.

To date 4918 people in Harwich have been tested for COVID-19 and our positivity rate has increased for the third week in a row to 2.33%. We continue to be in the yellow on the Department of Public Health's COVID-19 incidence map.

The Department of Public Health has announced additional funding for local health departments, similar to the grant that was dispersed by Barnstable County in the last fiscal year. I should have details on an amount in the next few weeks, this new funding will be available through December 31, 2020.

As the weather gets colder, gatherings will tend to start migrating indoors. Social distancing and hand hygiene remain extremely important for COVID-19 prevention. Please remember to be cautious of your social interactions; being within 6' of someone for 10-15 minutes is what makes you a close contact. A mask will help limit the spread of germs, but it does not exclude someone from being a close contact. Stay home if you are not feeling well or if you or someone in your household have recently traveled.

Remember to get your flu shot this year. The Health Department is holding a public clinic on October 20th at the Community Center. It is a drive through clinic from 2-5 pm and participants must pre-register to get a shot. Call or email for an appointment and a registration form.

Thank you,

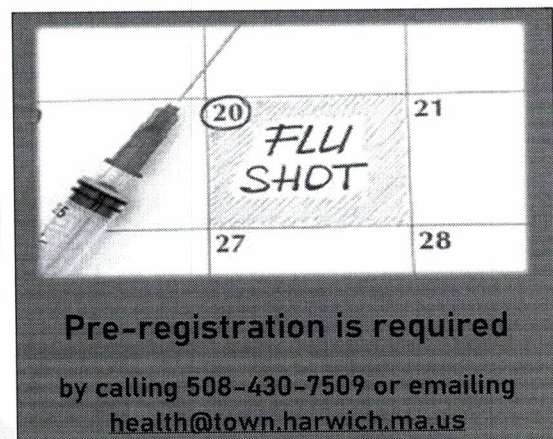
Meggan Eldredge
Health Director

Halloween safety tips during COVID-19 from the Department of Public Health



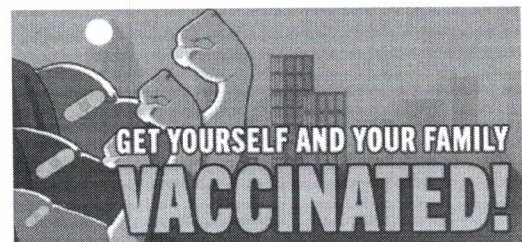
- Enjoy Halloween outside rather than attending indoor events.
- Place candy on a platter instead of a bowl
- Instead of traditional trick or treating, opt for one-way trick-or-treating, with treats placed outside of the home for trick-or-treaters as a “grab and go” while keeping distance from others.
- Wear a face mask or face covering.
 - A costume mask is not a substitute for a face mask or face covering.
- Observe good hand hygiene. Carry hand sanitizer and use it often, especially after coming into contact with frequently touched surfaces and before eating candy.
- Refrain from touching your face.
- Decorate your yard for others to enjoy from their car or while on a socially-distanced walk.
- Celebrate with members of your household with a Halloween-themed meal, Halloween movie night, or by preparing a Halloween scavenger hunt.
- Maintain social distancing of at least 6 feet of physical distance from all other participants who are not members of the same household.
- Avoid:
 - Going to an indoor haunted house or costume party where people may be crowded together and screaming; and
 - Going on hayrides or tractor rides with people who are not in your household.
 - Stay home and refrain from Halloween activities, including handing out Halloween treats, if:
 - you feel unwell;
 - you have tested positive for COVID-19;
 - you have been exposed to someone with COVID-19; or
 - you have traveled to or from a state that is not classified as lower risk within the last 14 days.

FLU CLINIC FOR HARWICH RESIDENTS



WHEN: October 20, 2020 || 2pm-5 pm
WHERE: Harwich Community Center || 100 Oak St
WHO: Harwich Residents
WHAT: Stay in your car and get a flu shot

- Offering Quadrivalent influenza vaccine (*not* the high dose senior vaccine)
- Immunizing ages 6 months and up
- Pre-Registration **required**
- Please leave pets at home
- Wear a face covering



This clinic is provided by the Harwich Health Department and the Visiting Nurses Association of Cape Cod. Please contact us for more information at 508-430-7509 or health@town.harwich.ma.us