

**Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application**

**1. Applicant:**

JOE BERTOLA joe@bertolacustom.com  
 Name (PLEASE PRINT) Email Address (if applicable)  
699 MAIN ST WALTHAM MA 02451  
 Mailing Address City/Town State Zip Code  
781-975-1709  
 Phone Number Fax Number (if applicable)

**2. Representative:**

DOUCETTE ENGINEERING TED P. DOUCETTE  
 Firm/Business Name Contact Name  
152 WHITCOMB AVE LITTLETON MA 01460  
 Mailing Address City/Town State Zip Code  
978-621-2138  
 Phone Number Fax Number (if applicable)

**3. Property Owner(s)**

APPLICANT  
 Property Owner (PLEASE PRINT) Email Address (if applicable)  
 Address City/Town State Zip Code  
 Phone Number Fax Number (if applicable)

**4. Type of Application**

- |   |  |
|---|--|
| <input type="checkbox"/> Request for a Determination of Applicability (RDA) | <input checked="" type="checkbox"/> Notice of Intent (NOI) |
| <input type="checkbox"/> Abbreviated NOI                                    | <input type="checkbox"/> Extension of O.O.C.               |
| <input type="checkbox"/> Notice of Resource Area Delineation                | <input type="checkbox"/> Certificate of Compliance         |
| <input type="checkbox"/> After the Fact Amendment (AFA)                     | <input type="checkbox"/> After the Fact Filing (AFF)       |
| <input type="checkbox"/> Amendment to Order of Conditions                   |  |

**RECEIVED**  
**APR 13 2021**  
 WAYLAND CONSERVATION COMMISSION

**5. Project**

119 DUDLEY POND 47A 74  
 Location Address Assessors Map(s) Parcel(s)  
 Project Description (PLEASE PRINT): DEMOLISH EXISTING HOME, CONSTRUCT NEW  
HOME ON SAME FOOTPRINT AND REPLACE NON-COMPLIANT  
SEPTIC SYSTEM WITH TITLE 5 COMPLIANT SYSTEM

**6. Title/Date of Plan(s)**

SEWAGE DISPOSAL SYSTEM UPGRADE DESIGN  
DEMOLITION AND CONSTRUCTION PLAN

**7. Bylaw Application Fee:**

\$ 200

**8. Application filed pursuant to MGL Chapter 131, Section 40**

Yes  No

**9. Signature of Applicant**

[Signature] Date 02/14/21

**Signature of Property Owner**

[Signature] Date 02/14/21

(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)

**RECEIVED**  
**APR 13 2021**  
 WAYLAND CONSERVATION COMMISSION



**TOWN OF WAYLAND**  
**Conservation Commission**  
 41 COCHITUATE ROAD  
 WAYLAND, MASSACHUSETTS 01778

## CHAPTER 194 Submittal Requirements

Upon submittal of any Bylaw application the applicant(s), property owner (if different), and their representative(s) must sign this checklist.

- Original and one copy of the MA Wetlands Protection Act ("WPA") application and Chapter 194 Bylaw application, including owner(s) signature, the applicant(s) signature, site plan(s), narrative, etc. \*

**NOTE:** If a WPA Application is not filed, a copy of either a statement as to not applicable (limited generally to buffer zone or bordering land subject to flooding) or a valid Order of Resource Area Determination (ORAD) must be provided with copies.

- A separate check for all applicable Wetlands Act fees.
- A separate check for all applicable Chapter 194 Bylaw fees.
- A list of the 100' Abutters, certified by the Assessors Office.
- Evidence of Board of Health receipt of application or approval for all applications with septic work or home renovations.

\*A copy of all documents submitted should be provided electronically to [conservation@wayland.ma.us](mailto:conservation@wayland.ma.us)

### Project Summary

- A narrative statement describing all of the activities proposed. If work is omitted from the narrative it may not be permitted.
- A narrative summary description of the types of resource areas on or near the site. Omission of resource areas is a basis for denial of the project as being incomplete.
- A narrative discussion how the project has been designed to minimize impacts to resource areas and how any mitigation has been proposed to better protect or enhance the resource areas during and after construction.

The Conservation Commission will evaluate the application based on the scope of the project and the potential impacts on the resource area (e.g. a wetland, pond, vernal pool, riverfront area, etc.) The Commission's priorities for project assessment are avoidance, minimization, and mitigation of impacts to resource area/s in that order. If mitigation is proposed, the Commission will require a 1:1.5 ratio of replication for impacts to wetlands and for buffer zones. The narrative should clearly address these priorities.

- A narrative discussion that presents justification, based on factors of technical or economic feasibility, why alternatives that might minimize or completely avoid adverse impact to the Riverfront Area, Floodplain, the Buffer Zone, and/or any other resource area are not being proposed. At a minimum there must be discussion of the alternative for no alteration.

The following items are required for Site Plans submitted with a Bylaw application; however, if the Applicant considers that the information is not relevant to the scope or scale of the proposed project, a Waiver(s) of requirements must be requested at the time of filing the application with the Conservation Commission.



**TOWN OF WAYLAND**  
**Conservation Commission**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

**Site Plan Minimum Requirements**

The following shall be included on the Site Plan:

- Stamp of a Professional Engineer (P.E.) and/or a Professional Land Surveyor (P.L.S.) depending upon proximity to lot lines or project complexity.
- OR**
- Stamp of a Registered Sanitarian (R.S.) is acceptable for designs of septic systems handling less than 2,000 gallons per day, with incidental site work.
- Grade elevations based on National Geodetic Vertical Datum <sup>NAVD</sup>(NGVD). Grade contours in the area of work shall be provided with at least 1-foot intervals.
- Plan Scale: 1 inch = 10 feet or 1 inch = 20 feet.
- N/A* Wetlands flagging with letters and/or numbers as defined in the field.
- N/A* Date that wetlands flagging was done and name of the wetland delineator (if GIS was used to wetlands, then include the GIS source.)
- Site Plans must clearly show existing conditions and proposed conditions, utilities, impervious surfaces, limit of lawn, trees greater than 6 inches in diameter proposed for removal, significant land features such as rock outcroppings, all Resource Areas (differentiate each) including Buffer Zone. *Note: It may be more comprehensible to submit two plans: an existing conditions plan and a proposed conditions plan.*
- N/A* Site plans must detail the permanent demarcation of the limit of lawn with minimum 30' offset from resource area for new construction, and minimum average 15' offset for existing dwellings.
- Locations and identifiers for all test pit locations.
- A cross-section of grading and profile for proposed septic systems.
- Locations for temporary stockpiles or storage of soils or demolition debris during construction.
- Access route for construction equipment and construction entrance location details.
- Location of erosion control barrier(s).
- Detail for installation of erosion control barrier(s).
- Location for refueling of equipment. (Outside buffer zone strongly preferred)
- N/A* Locations designated for snow storage, if necessary.
- Pre/Post-Construction Lot Coverage Summary for areas within by-law jurisdiction: a) Total lot area; b) total impervious area (**Note: impervious areas shall include, but are not limited to, roofs, decks, walks, and driveways**); c) total landscaped/lawn area; and d) total area altered during construction (including temporary impacts).



**TOWN OF WAYLAND**  
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**Drainage Requirements**

The Commission seeks to protect water quality of surface waters and groundwater, and to limit any increase in the rate or quantity of runoff of storm water from the property.

For projects adding less than or equal to 500 square feet of impervious area, a narrative description of specific measures used to provide for infiltration of runoff equivalent to runoff this additional impervious area. Those measures must be clearly depicted on the Site Plan as a specification.

**OR**

For projects adding more than 500 square feet of impervious area,

A narrative discussion of the methods and all assumptions used in the drainage calculations

A plan showing drainage catchment areas

Supporting calculations (i.e. HydroCAD) stamped by a P.E.

Summary tables presenting Pre/Post Construction Storm Water Runoff Rates and Volumes for a 1-inch storm event, a 10-year, and a 100-year storm events. Note: Rainfall of at least 8 inches in 24 hours must be used for 100-year storm event.

Compliance with DEP's Stormwater Management Standards.

Narrative description of structural and non-structural best management practice (BMP) (See "Definitions), controls for storm water management for the project **during construction phases and for long term site management:**

Evaluation of BMP selection and factors of site suitability including: soils, drainage area, depth to water table, depth to bedrock, slopes and proximity to wells and foundations

Discussion of construction phasing

Relevant site characterization data for design

Water quality calculations for total suspended solids (TSS) removal

Calculated storm water recharge rate

Calculated peak discharge rate

*WTA* Maintenance requirements and site inspections templates for BMPs must be specified. Operation and Maintenance (O&M) plans for Stormwater shall be submitted with the application describing short-term BMPs (during construction) and long-term BMPs (post-construction) for management of the drainage structures, roadway and/or parking lot (as applicable) including but not limited to sweeping; catch basin cleaning; snow storage and erosion controls, such as hay bales or sediment fences. The drainage components (Best Management Practice – BMP) shall be as described using terminology in the most recent version of the DEP Storm water Technical Handbook, March 1997. A Plan for protecting the post-construction BMPs during construction shall be include in the O&M Plan.

*WTA* Aquifer Protection District – If the project is within this area, a narrative description of how the project complies with aquifer protection requirements.





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WAYLAND, MASSACHUSETTS 01778

**Soils Information**

Septic Systems or Drainage BMPs (where applicable) - Clear statement of how many test pits or borings were conducted for the project planning and engineering evaluations and what number and types of analytical methods may have been applied for soils characterization including visual evaluation, percolation tests, field screening, and laboratory analyses.

Septic Systems and/or applicable drainage BMP - Copies of all soil data including boring and/or test pit logs.

*NTA* Wetland field data forms that document observations made during the wetland delineation including soil or test pit logs.

**Waivers**

In the event that Applicant considers certain required information to be, in their opinion, not relevant to the scope or scale of the proposed project Applicant may request a Waiver of the requirements with this application to the Conservation Commission. Indicate all provisions requested for Waiver below designating the specific paragraph number/letter designation.

Site Plan Minimum Requirement Waiver(s)     None     List \_\_\_\_\_

Drainage Requirement Waiver(s)                 None     List \_\_\_\_\_

Soils Information Waiver(s)                       None     List \_\_\_\_\_

If applicable, attach a statement for justification of the requested waivers.

**In the event that any requested Waiver is not granted by the Commission or the application is otherwise found to be deficient in providing required information the hearing may at the discretion of the Commission either be closed and denied for the lack of information or continued for a specific timeframe approved by the Commission for the Applicant to submit the required information.**

**The Commission has authorized its Administrator to review projects and to not accept project applications under the Bylaw that have apparent deficiencies to meeting the above requirements. Notwithstanding that authority, acceptance of an application by the Administrator does not represent a decision that the application is fully complete. Deficiencies identified by the Administrator will be report to the applicant and the Commission during the hearing.**

The property owner, as well as the applicant and/or representative (if different from owner) must sign this checklist and all other applicable applications. The property owner, by signing this checklist and the applications, acknowledges that the Commission and Staff may enter the property to inspect the premises as part of the assessment of the application.

JOE BERTOLA  
Property Owner's Name (Print)

[Signature]                      02/12/21  
Property Owner's Signature                      Date

I certify under penalty of law that this document and all its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

JOE BERTOLA  
Applicant's Name (Print)

[Signature]                      02/12/21  
Applicant's Signature                      Date



**Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands**

**WPA Form 3 – Notice of Intent**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number
Document Transaction Number
Wayland City/Town

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**Note:**  
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

**A. General Information**

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>119 Dudley Road</u>	<u>Wayland</u>	<u>01778</u>
a. Street Address	b. City/Town	c. Zip Code
<u>Latitude and Longitude:</u>	<u>42.330664009592034</u>	<u>-71.37173735803296</u>
	d. Latitude	e. Longitude
<u>Joe Bertola</u>	<u>47A / 74</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Joe</u>	<u>Bertola</u>
a. First Name	b. Last Name
<u>Bertola Custom Homes</u>	
c. Organization	
<u>210 Felton Street</u>	
d. Street Address	
<u>Waltham</u>	<u>MA</u>
e. City/Town	f. State
<u>781-975-1809</u>	<u>02453</u>
h. Phone Number	g. Zip Code
<u></u>	<u>joe@bertolacustom.com</u>
i. Fax Number	j. Email Address

3. Property owner (required if different from applicant):  Check if more than one owner

APPLICANT

<u></u>	<u></u>
a. First Name	b. Last Name
<u></u>	
c. Organization	
<u></u>	
d. Street Address	
<u></u>	<u></u>
e. City/Town	f. State
<u></u>	<u></u>
g. Zip Code	
<u></u>	<u></u>
h. Phone Number	i. Fax Number
<u></u>	<u></u>
j. Email address	

4. Representative (if any):

<u>Ted</u>	<u>Doucette</u>
a. First Name	b. Last Name
<u>Doucette Engineering, Inc.</u>	
c. Company	
<u>152 Whitcomb Ave</u>	
d. Street Address	
<u>Littleton</u>	<u>MA</u>
e. City/Town	f. State
<u>978-621-2138</u>	<u>01460</u>
h. Phone Number	g. Zip Code
<u></u>	<u>doucette.engineering@comcast.net</u>
i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>\$500</u>	<u>\$262.50</u>	<u>\$237.50</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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**B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)**

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet _____	2. linear feet _____
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet _____	2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____	2. square feet _____
	3. cubic yards dredged _____	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____	2. square feet _____
	3. cubic feet of flood storage lost _____	4. cubic feet replaced _____
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet _____	
	2. cubic feet of flood storage lost _____	3. cubic feet replaced _____
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland _____	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: \_\_\_\_\_ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet \_\_\_\_\_ b. square feet within 100 ft. \_\_\_\_\_ c. square feet between 100 ft. and 200 ft. \_\_\_\_\_

5. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

6. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No

3.  Coastal Resource Areas: (See 310 CMR 10.25-10.35)

**Note:** for coastal riverfront areas, please complete **Section B.2.f.** above.



**Massachusetts Department of Environmental Protection**  
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**C. Other Applicable Standards and Requirements**

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

**Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review**

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to [http://maps.massgis.state.ma.us/PRI\\_EST\\_HAB/viewer.htm](http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm).

- a.  Yes  No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program**  
**Division of Fisheries and Wildlife**  
**1 Rabbit Hill Road**  
**Westborough, MA 01581**

- b. Date of map \_\_\_\_\_

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); OR complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review\*

1.  Percentage/acreage of property to be altered:

(a) within wetland Resource Area \_\_\_\_\_

percentage/acreage

(b) outside Resource Area \_\_\_\_\_

percentage/acreage

2.  Assessor's Map or right-of-way plan of site

2.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*

(a)  Project description (including description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

\* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mas-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

\*\* MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

## WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Wayland  
City/Town

### C. Other Applicable Standards and Requirements (cont'd)

**Online Users:**  
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a.  Yes  No      If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a.  Yes  No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a.  Yes  No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
  2.  A portion of the site constitutes redevelopment
  3.  Proprietary BMPs are included in the Stormwater Management System.
- b.  No. Check why the project is exempt:
1.  Single-family house
  2.  Emergency road repair
  3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

### D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.





**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 3 – Notice of Intent**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:  
 MassDEP File Number \_\_\_\_\_  
 Document Transaction \_\_\_\_\_  
 Number \_\_\_\_\_  
 Wayland  
 City/Town \_\_\_\_\_

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

4380 2- Municipal Check Number _____	2/19/2021 3- Check date _____
4379 4- State Check Number _____	2/19/2021 5- Check date _____
Bertola Custom Homes119 6- Payer name on check: First Name _____	7- Payer name on check: Last Name _____

**F. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant _____	2. Date _____
3. Signature of Property Owner (if different) _____	4. Date 03/08/21 _____
5. Signature of Representative (if any) _____	6. Date 4/12/21 _____

**For Conservation Commission:**

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

**For MassDEP:**

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

**Other:**

If the applicant has checked the "yes" box in any part of Section C. Item 3. above. refer to that



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands  
**NOI Wetland Fee Transmittal Form**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



## A. Applicant Information

### 1. Location of Project:

119 Dudley Road

a. Street Address

4379

c. Check number

Wayland

b. City/Town

\$237.50

d. Fee amount

### 2. Applicant Mailing Address:

Joe

a. First Name

Bertola

b. Last Name

Bertola Custom Homes

c. Organization

210 Felton Street

d. Mailing Address

Waltham

e. City/Town

MA

f. State

02453

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

### 3. Property Owner (if different):

APPLICANT

a. First Name

b. Last Name

c. Organization

d. Mailing Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email Address

## B. Fees

Fee should be calculated using the following process & worksheet. **Please see instructions before filling out worksheet.**

**Step 1/Type of Activity:** Describe each type of activity that will occur in wetland resource area and buffer zone.

**Step 2/Number of Activities:** Identify the number of each type of activity.

**Step 3/Individual Activity Fee:** Identify each activity fee from the six project categories listed in the instructions.

**Step 4/Subtotal Activity Fee:** Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

**Step 5/Total Project Fee:** Determine the total project fee by adding the subtotal amounts from Step 4.

**Step 6/Fee Payments:** To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands  
**NOI Wetland Fee Transmittal Form**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**B. Fees (continued)**

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Constr. of single family house	1	500	500
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Step 5/Total Project Fee: \_\_\_\_\_

**Step 6/Fee Payments:**

Total Project Fee:	\$500
State share of filing Fee:	a. Total Fee from Step 5 \$237.50
City/Town share of filling Fee:	b. 1/2 Total Fee less \$12.50 \$262.50 c. 1/2 Total Fee plus \$12.50

**C. Submittal Requirements**

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection  
Box 4062  
Boston, MA 02211

b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

**To MassDEP Regional Office (see Instructions):** Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and a copy of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



Enter your transmittal number →

X287517  
Transmittal Number

Your unique Transmittal Number can be accessed online:  
<https://www.mass.gov/service-details/transmittal-form-number-for-massdep-permit-application-payment>

# Massachusetts Department of Environmental Protection Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: MassDEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP  
P.O. Box 4062  
Boston, MA  
02211

\* Note:  
For BWSC Permits,  
enter the LSP.

## A. Permit Information

WPAForm 3  
1. Permit Code: 4-to-7-character code from permit instructions  
Notice of Intent, single-family home  
3. Type of Project or Activity

BRP – Wetlands  
2. Name of Permit Category

## B. Applicant Information – Firm or Individual

Bertola Custom Homes  
1. Name of Firm - Or, if party needing this approval is an individual enter name below:  
Bertola  
2. Last Name of Individual  
210 Felton Street  
5. Street Address  
Waltham  
6. City/Town  
Joe Bertola  
11. Contact Person

Joe  
3. First Name of Individual  
MA  
7. State  
02453  
8. Zip Code  
781-975-1803  
9. Telephone #  
joe@bertolacustom.com  
12. e-mail address  
4. MI  
10. Ext. #

## C. Facility, Site or Individual Requiring Approval

Single Family Home  
1. Name of Facility, Site or Individual  
119 Dudley Road  
2. Street Address  
Wayland  
3. City/Town  
MA  
4. State  
01778  
5. Zip Code  
6. Telephone #  
7. Ext. #  
8. DEP Facility Number (if Known)  
9. Federal I.D. Number (if Known)  
10. BWSC Tracking # (if Known)

## D. Application Prepared by (if different from Section B)\*

Ted Doucette – Doucette Engineering, Inc  
1. Name of Firm or Individual  
152 Whitcomb Ave  
2. Address  
Littleton  
3. City/Town  
MA  
4. State  
01460  
5. Zip Code  
7. Ext. #  
Ted P Doucette  
8. Contact Person  
9. LSP Number (BWSC Permits only)  
978-621-2138  
6. Telephone #

## E. Permit - Project Coordination

1. Is this project subject to MEPA review?  yes  no  
If yes, enter the project's EOEA file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

## F. Amount Due

### Special Provisions:

- 1.  Fee Exempt: city, town, county, or district of the Commonwealth; federally recognized Indian tribe housing authority; municipal housing authority; the MBTA; or state agency if fee is \$100 or less. *There are no fee exemptions for BWSC permits, regardless of applicant status.*
- 2.  Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
- 3.  Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
- 4.  Homeowner (according to 310 CMR 4.02).

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

4379  
Check Number  
\$237.50  
Dollar Amount  
2/19/2021  
Date



**Town of Wayland**  
 41 COCHITUATE ROAD  
 WAYLAND MASSACHUSETTS 01778  
 www.wayland.ma.us TEL. 508-358-3788

OFFICE STAFF  
 Matthew Lanefski, MAA, Assistant Assessor  
 Mary-Ann Wohlfarth, Sr. Admin. Coordinator

BOARD OF ASSESSORS  
 Zachariah Ventress, Chair  
 Philip P. Parks  
 Molly Upton  
 Massimo Taurisano

### Certification of Abutters

Date of request 2/10/21

Please plan your submission accordingly. The Assessors' office has 10 business days to certify an abutters list Per MGL Ch. 66, S.10

Address to be certified 119 Dudley Rd Parcel ID 47A-074  
(Map/Lot)

Owner's Name Esposito, Gerardo, Adriana  
(PLEASE PRINT)

Owner's Mailing Address 146 Charles St. Cambridge, MA 02141

Name of Applicant Doucette Engineering Telephone: \_\_\_\_\_  
(PLEASE PRINT)

doucette.engineering@comcast.net  
 Mailing Address of Applicant \_\_\_\_\_  
City/Town State Zip  
152 whitcomb Ave Littleton, MA 01460

Signature of Applicant \_\_\_\_\_

Reason for List (check one)     Conservation     Health     Planning     Zoning     Board of Selectmen

**\*\*Please check with the Board/Commission for their guidelines regarding the number of feet required for notification. Each Board/Commission has its own regulations for their abutters listing. There's no fee for certification, however the list/s of abutters must be provided by the person or company requesting certification.**

For use by Assessors

This is to certify that at the time of the last assessment for taxation made by the Town of Wayland, the names and addresses are the assessed owners to these parcels.

Certified By: Mary-Ann Wohlfarth    Date: 2/10/21

CC:  Conservation     Health     Planning     Zoning     Board of Selectmen



## NARRATIVE

### Notice of Intent – 119 Dudley Road, Wayland April 12, 2021

This narrative is provided to support the Notice of Intent filing for 119 Dudley Road and to provide sufficient information to fully describe the project.

The following plans and drawings are submitted with this application.

Septic Design Plan – Subsurface Disposal System Upgrade Design for 119 Dudley Road, Wayland, Massachusetts, Doucette Engineering, dated 03NOV2020, Rev 2 03MAR2021, Ted P. Doucette, P.E.

Existing Conditions Plan - Plan of Land in Wayland, Massachusetts, prepared for Ted Doucette, 10/6/2020, Alfred M. Berry, P.L.S.

Conservation Plan – Notice of Intent Plan for 119 Dudley Road, Wayland, Massachusetts. Doucette Engineering dated 12MAR2021

Existing Floor Plans and Elevations – Tektoniks Architects, progress set 19JAN2021

Proposed Floor Plans and Elevations – Tektoniks Architect, zoning set, 26JAN2021

#### Existing Conditions

The property is a single-family house lot with an area 4100 sf (assessor) and 3,800 (measured) on the pond side of Dudley Road . Much of the house sits below street level and is a two-bedroom home that has stairs leading from the street down to the house. The existing septic system consists of a septic tank and a soil absorption system of unknown dimensions, that has been found not to conform with Title 5. The water level at the time of the survey was 147.8 (September 15, 2020). The area near the pond consists of garden areas, and concrete decks. Moving up from the pond toward the street the house spans most of the lot width, and there are concrete stairs and walkways constructed on both sides, leaving little natural landscape. There is an area of about 1200 square feet between the house and the road where the existing septic system is located. Test pits excavated in this area reveal the soil is medium sand is about 24 feet above the lake elevation. There is an easement that runs along the property to the north side of the property. This lot is non-conforming due to lot area. Currently there is not parking for this property, there is a handshake agreement that allows this owner to partially park on the neighbor's property, and to park within the easement. The plans are based on NAVD88 datum which is the official datum of the United States and has superseded the NGVD datum requested in the application requirements, the conversion is to subtract 3.6 feet from NAVD88 to obtain NGVD29.

#### Applicant/Owner:

Joe Bertola  
Bertola Custom Homes & Remodel  
210 Felton Street  
Waltham, Massachusetts, 02453

Mr Bertola purchased the property on December 15, 2020, although the information has not been entered into the assessor's data base.

#### Nearby Resources

The only resource in the area of the project is Dudley Pond, the limit of work is approximately 25 feet from the existing edge of water defined by the retaining walls at the water's edge. Due to the steep banks, and existing retaining walls, the only resource area is bank to a freshwater lake; as found on multiple properties along the Dudley Pond and Lake Cochituate there is not an associated bordering vegetative wetland.

#### Proposed project

The proposed project includes replacing the failed septic system with a new Title 5 compliant system; this work will take place greater than 90 feet from the edge of the resource area. The location of the proposed soil absorption system is at the only location found to have suitable soil and is as far from the resource area as possible. The design requires a septic tank and a pump chamber due to the sloping topography toward the street, the proposed soil absorption system is concrete chambers to support the parking area above. The work will also include relocating the existing water line.

The work will also include removing the existing structure, due to the age, quality of materials/construction, and overall condition renovating is not a viable option. The proposed structure will have the same foundation footprint, floor area and bedrooms.



February 19, 2021

Joe Bertola  
Bertola Custom Homes  
119 Dudley Road  
Wayland, MA 01778

Dear Board members,

I hope This letter find you well. We are planning to carefully deconstruct the existing structure existing on site following the steps bellow:

- 1- Installing a sediment control barrier around the perimeter and Have the company that provide oil to the house to come empty the tank and hall it away along with the furnace.
- 2- Cover the grounds around the structure with a 6-mil poly sheet to facilitate daily cleanups and avoid any site contamination
- 3- Starting from the inside of the house, disconnect all plumbing and electricity, install HEPA air filters, remove all the woodworking and send it separately for a recycling station, removing the drywall/ plaster/ insulation with a sprinkler system to damp the sheets/materials. The goal is to have no dust production wile tearing the walls down and removing it from the house in contractor bags to avoid any dust outdoors or in case of rain the content of the bags don't end up in the pond.
- 4- On the exterior, we will start by removing the aluminum siding and windows and send it out for a recycling station. After that the roofing will start to come a part by slicing it in 2 feet sections and by man power placing carefully into a dumpster. The same technic will be used to remove the walls and the rest of the wooden structure that will be send to a recycling facility, all the good frame members that will be worth saving will be reused to reconstruct the house.
- 5- Clean ups will take place in the end of every work day making sure that the site is tight and safe.

No heavy machinery will be used to deconstruct this structure, We will preserve the foundation intact so it is imperative that no harm will be done to it during the entire project, There will be a need for a small crane to place a steel beam on the west wall facing the pond to create the big opening we need on the ground floor. and the 2 steel beams on that will hold the carport roof it should take 5 to 6 hours for that to be accomplished and the crane can be set up in the road without a problem.

Also to remove and replace the septic system Curtis sept will use a back hole to facilitate their job, They did several septic systems on the same road and on the near by homes so they know the protocols they need to fallow and they are well used to it.

The re-construction of the property will happen according to the following:

- 1- We will have the steel beam installed in the first day with the help of a crane. All materials will be pre-fabricated from the metal shop, just assembling will be done on site, no welding or drilling will be needed, simply bolt the new structure into the existing foundation.



17 Leominster Road  
 Leominster, MA 01460  
 Tel: 817.246.3600  
 www.teltoniksarchitect.com

CONSULTANT

PROJECT

Restoration + Additions  
 to Existing  
 Private Residence  
 118 Dudley Road  
 Westford, Massachusetts  
 01778

PROGRAM SET

DATE: TBC

Existing Floor Plans

REVISIONS

NO.

DATE

DESCRIPTION

SCALE

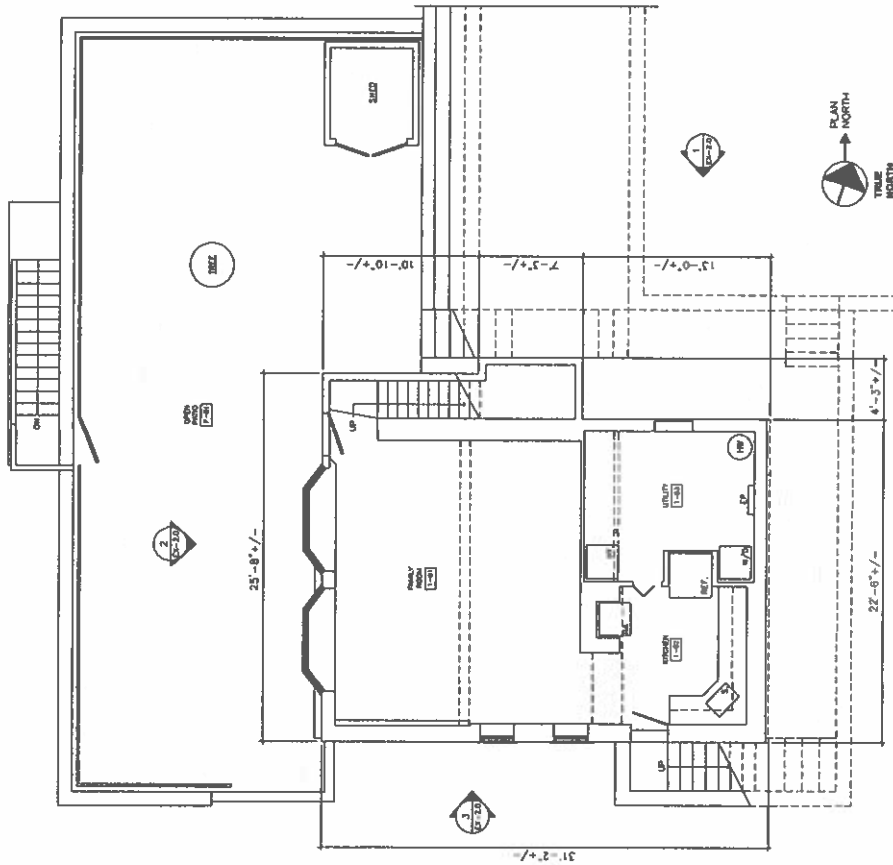
DATE: 1/4" = 1'-0"

DATE OF ISSUE: 19 JAN, 2021

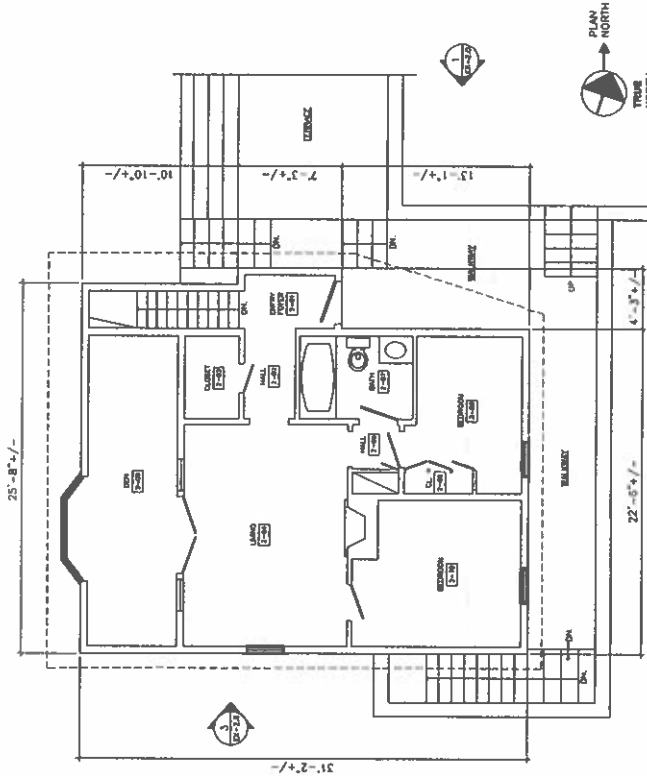
PROJECT NO.

DRAWING NO.

**EX-1.0**



**1 Plan: Existing 1st Floor (Patio Level)**  
 Scale: 1/4"=1'-0"



**2 Plan: Existing 2nd Floor (Entry Level)**  
 Scale: 1/4"=1'-0"

**Tekonite**  
 ARCHITECTS  
 11 Lakeside Road  
 Andover, Massachusetts 01920  
 Tel: 978.683.8888  
 www.tekonite.com

DATE: 1/14/21

PROJECT: **Renovations + Addition to Existing Private Residence**  
 119 Oakley Road  
 Andover, Massachusetts 01920

Zoning Set: **Res. 2A**

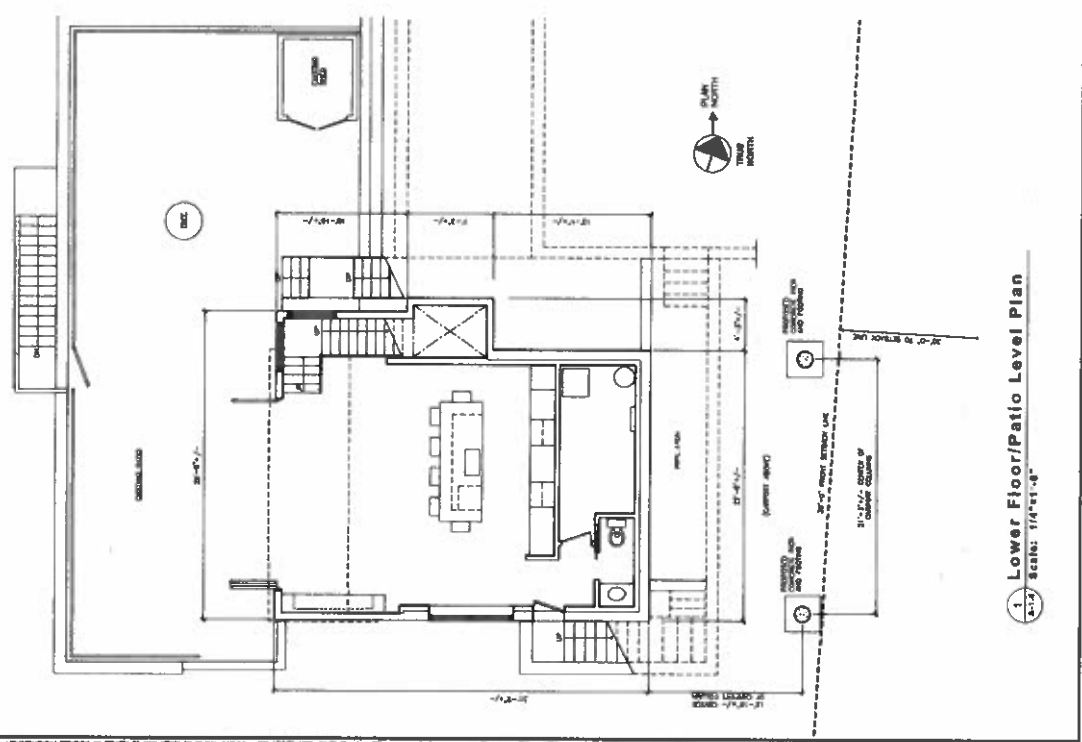
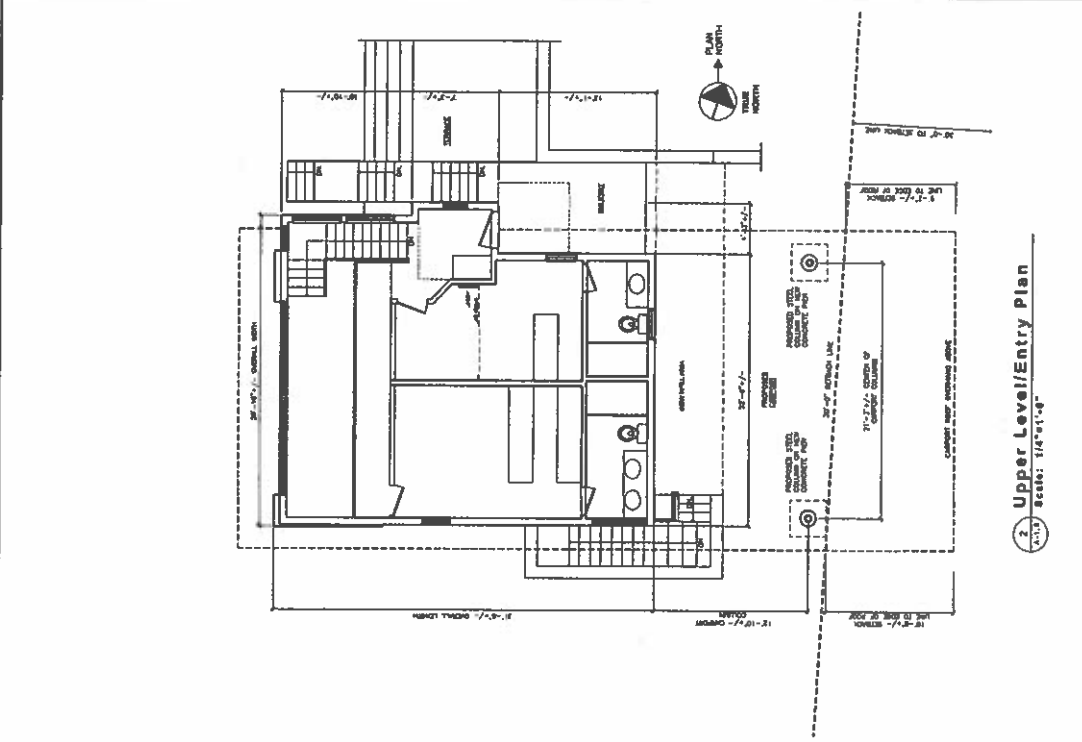
Proposed Plans

NO.	DESCRIPTION	DATE
1	Upper Level/Entry Plan	1/14/21
2	Lower Floor/Patio Level Plan	1/14/21

SCALE: 1/8" = 1'-0"

DATE OF ISSUE: 20 Jan. 2021

**A-1.0**



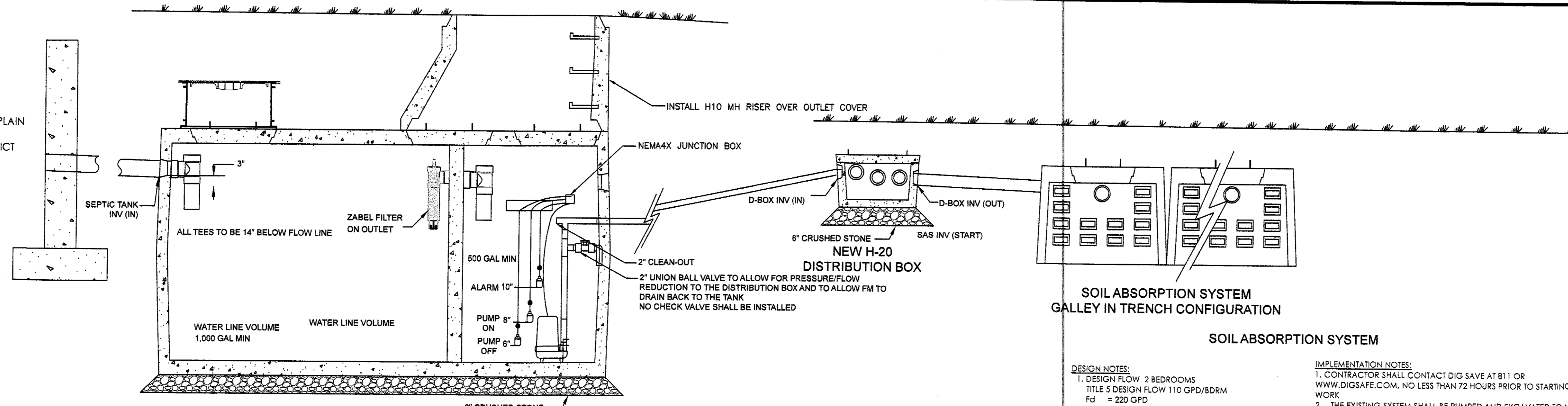






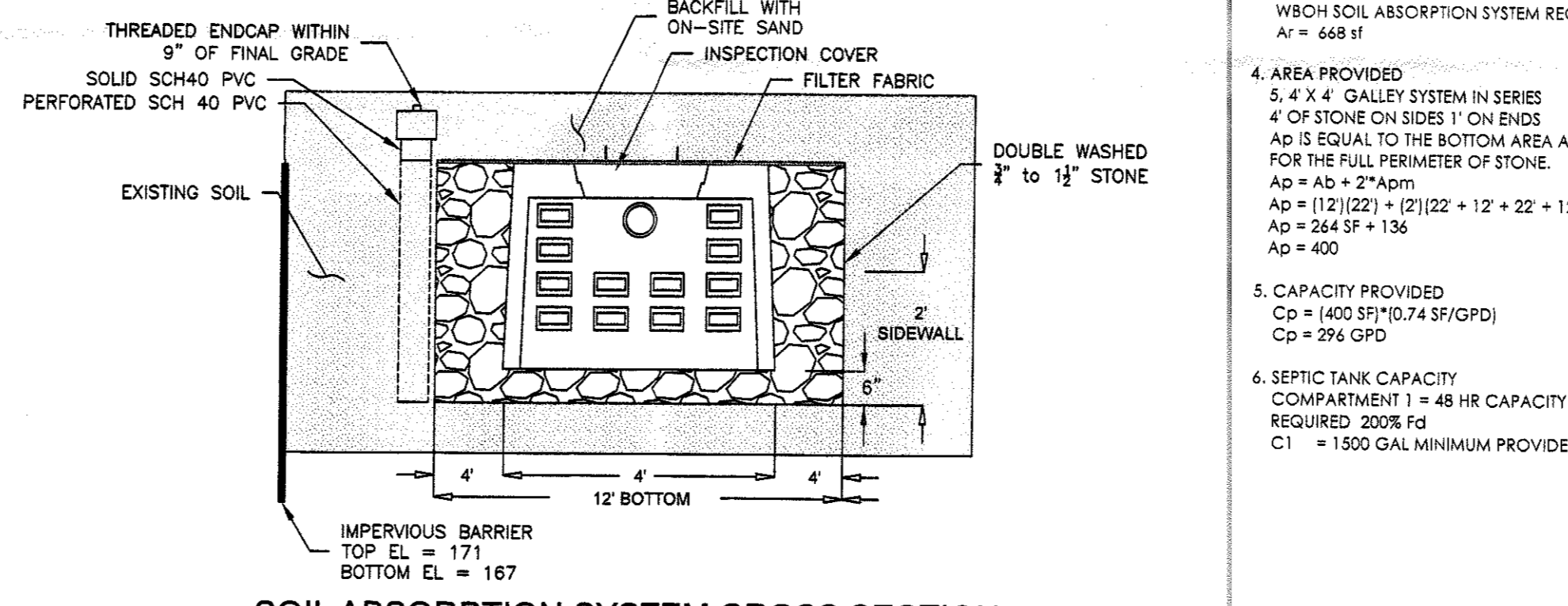
**PROPERTY INFORMATION**  
 OWNER OF RECORD: JOE BERTOLA  
 119 DUDLEY ROAD  
 WAYLAND MA 01778  
 WAYLAND ASSESSORS: 47A / 74  
 LOT AREA: 3000 +/- SF (RECORD)  
 ZONING DISTRICT: R20  
 THIS PROPERTY IS LOCATED WITHIN IN A ZONE II  
 THIS PROPOSED WORK ON THIS PROPERTY IS NOT LOCATED WITHIN A 100-YEAR FLOOD PLAIN  
 THIS PROPERTY IS NOT LOCATED WITHIN A NHESP PRIORITY HABITAT  
 THIS PROPERTY IS LOCATED WITHIN THE WAYLAND WATER RESOURCE PROTECTION DISTRICT  
 THE PROPOSED WORK IS WITHIN 100' OF A FRESHWATER BANK  
 THERE ARE NO DRAINAGE STRUCTURES WITHIN 50' OF THE PROPOSED SEPTIC SYSTEM  
 THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL  
 THERE IS NO GARBAGE DISPOSAL INSTALLED IN THE HOUSE

**ABBREVIATIONS:**  
 ASB AS-BUILT  
 BW BOTTOM OF WALL  
 BOH BOARD OF HEALTH  
 CB CATCH BASIN  
 CF CUBIC FEET  
 CONC CONCRETE  
 DMH DRAIN MANHOLE  
 EX EXISTING  
 ESHGW ESTIMATED SEASONAL HIGH GROUND WATER  
 EL ELEVATION  
 FFE FINISHED FLOOR ELEVATION  
 INV INVERT  
 LF LINEAR FEET  
 FC PUMP CHAMBER  
 PROP PROPOSED  
 SAS SOIL ABSORPTION SYSTEM  
 ST SEPTIC TANK  
 SYS SYSTEM  
 TOP TOP OF FOUNDATION  
 TW TOP OF WALL  
 TYP TYPICAL  
 VIF VERIFY IN FIELD



2,000 GALLON H-20 TWO COMPARTMENT MONOLITHIC SEPTIC TANK

SYSTEM PROFILE (NTS)



SOIL ABSORPTION SYSTEM CROSS SECTION

SOIL ABSORPTION SYSTEM  
 GALLEY IN TRENCH CONFIGURATION  
 SOIL ABSORPTION SYSTEM

**DESIGN NOTES:**

- DESIGN FLOW 2 BEDROOMS  
 TITLE 5 DESIGN FLOW 110 GPD/BDRM  
 Fd = 220 GPD  
 WBCH DESIGN FLOW 165 GPD/BDRM  
 Fdw = 330 GPD
- LTR = 0.74 GPD/SF  
 WBCH SOIL ABSORPTION SYSTEM AREA REQUIRED  
 Ar = (330 GPD) / (0.74 GPD/SF)  
 Ar = 445 SF  
 WBCH SOIL ABSORPTION SYSTEM REQUIREMENTS  
 Ar = 668 SF
- AREA PROVIDED  
 5' x 4' GALLEY SYSTEM IN SERIES  
 4' OF STONE ON SIDES 1' ON ENDS  
 Ad IS EQUAL TO THE BOTTOM AREA AND 2 FEET OF SIDEWALL FOR THE FULL PERIMETER OF STONE.  
 Ad = Ad + 2' x 4' x 4'  
 Ad = (12') (22') (2') (22' + 12' + 22' + 12')  
 Ad = 264 SF + 136  
 Ad = 400
- CAPACITY PROVIDED  
 Cp = (400 SF) (0.74 SF/GPD)  
 Cp = 296 GPD
- SEPTIC TANK CAPACITY  
 COMPARTMENT 1 = 48 HR CAPACITY REQUIRED 2006 Fd  
 C1 = 1500 GAL MINIMUM PROVIDED

**IMPLEMENTATION NOTES:**

- CONTRACTOR SHALL CONTACT DIG SAVE AT 811 OR WWW.DIGSAFE.COM, NO LESS THAN 72 HOURS PRIOR TO STARTING THEIR WORK
- THE EXISTING SYSTEM SHALL BE PUMPED AND EXCAVATED TO MAKE ROOM FOR THE PROPOSED SEPTIC TANK/PUMP CHAMBER, ANY OTHER SUBSURFACE DISPOSAL STRUCTURES THAT ARE FOUND SHALL BE PUMPED AND THEN CRUSHED IN PLACE AND FILL WITH CLEAN SOIL
- SUBSURFACE CONDITIONS ARE NOT GUARANTEED, THE LOCATION AND PRESENCE OF SUBSURFACE UTILITIES ARE NOT WARRANTED TO BE COMPLETE, CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO THE COMMENCEMENT OF WORK
- CONTRACTOR SHALL MAINTAIN SERVICE TO THE RESIDENCE DURING CONSTRUCTION, SERVICING SHALL BE PERFORMED AS NECESSARY
- CONTRACTOR SHALL COORDINATE THE INSPECTIONS WITH THE BOARD OF HEALTH AND THE ENGINEER, PROVIDE 24-HOURS NOTICE, MINIMUM INSPECTIONS SHALL INCLUDE:  
 - AFTER EXCAVATION - BOTTOM OF HOLE  
 - AFTER CONSTRUCTION IS COMPLETE, PRIOR TO BACKFILLING  
 - PUMP TEST, IF NECESSARY SHALL BE WITNESSED BY THE BOARD OF HEALTH
- FINAL GRADES SHALL MEET EXISTING GRADES OR AS SHOWN ON THE PLAN
- THE A/B HORIZON AND ALL UNSUITABLE MATERIAL INCLUDING FILL, EXISTING SYSTEM AND ANY DELETERIOUS MATERIAL SHALL BE EXCAVATED FOR A DISTANCE OF AT LEAST 5' FROM THE EDGE OF THE PROPOSED SOIL ABSORPTION SYSTEM
- SHOULD THE CONTRACTOR FIND THAT CONDITIONS ON THE PLAN, INCLUDING THE BUILDING SEWER ELEVATION DO NOT MEET THOSE ON THE PLAN, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY
- SEWER TIE-IN MUST BE TO SCH40 PVC OR CAST IRON OR ELSE THE BUILDING SEWER SHALL BE REPLACED TO THE FOUNDATION
- IMPERVIOUS BARRIER SHALL BE ONE CONTINUOUS LENGTH WITH NO HOLES, CUTS OR SEAMS, IF TWO LENGTHS ARE REQUIRED IT SHALL BE OVERLAPPED BY 10 FEET USING APPROPRIATE ADHESIVE AS REQUIRED BY THE WAYLAND HEALTH DEPARTMENT, BOTTOM ELEVATION SHALL BE AS SPECIFIED ON THE CROSS SECTION OR BURIED TO A DEPTH OF ONE FOOT INTO NATURALLY OCCURRING SOIL, IMPERVIOUS BARRIER SHALL BE 6 INCHES ABOVE LEDGE AND AT LEAST 12 INCHES INTO NATURALLY OCCURRING MATERIAL
- AS REQUIRED BY THE WAYLAND HEALTH DEPARTMENT A CONFIRMATORY TEST HOLE SHALL BE EXCAVATED DURING THE BED BOTTOM INSPECTION AND SHALL BE WITNESSED BY THE ENGINEERING AND THE HEALTH AGENT
- WATER LINE SHALL BE RELOCATED TO BE AS FAR FROM THE PROPOSED SOIL ABSORPTION SYSTEM AS POSSIBLE, AND SHALL BE SLEEVED INSIDE OF 4\"/>

**GENERAL NOTES:**

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 310CMR 1.15, TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE WAYLAND BOARD OF HEALTH REGULATIONS.
- NO WORK SHALL BE CONDUCTED UNTIL ALL NECESSARY PERMITS ARE OBTAINED
- THE SEPTIC SYSTEM SHALL BE INSTALLED BY A CONTRACTOR LICENSED IN THE TOWN OF WAYLAND
- THIS PLAN IS INTENDED FOR THE INSTALLATION OF THE SEWAGE DISPOSAL SYSTEM ONLY; PROPERTY LINES SHALL BE CONSIDERED APPROXIMATE AND SHALL NOT BE USED FOR THE LOCATION OF STRUCTURES, FENCES OR OTHER PROPERTY LINE OFFSETS
- PROPERTY LINES ARE BASED UPON THE FOLLOWING PLAN: PLAN OF LAND IN WAYLAND, MA, BY ALFRED M. BERRY, ATHOL, MASSACHUSETTS DATED 10/6/2020.
- NO CHANGES SHALL BE MADE TO THE APPROVED PLAN WITHOUT PRIOR APPROVAL OF THE BOARD OF HEALTH AND THE ENGINEER.
- THIS SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER.
- EXISTING SOIL ABSORPTION SYSTEM 115 DUDLEY ROAD SCALED AND DIGITIZED FROM PLOT PLAN OF LAND IN WAYLAND, MASS GUN ENGINEERING CONSULTANTS, MAY 13, 2005, JOYCE F. HASTINGS, PLS. DOUCETTE ENGINEERING ASSUMES NO LIABILITY FOR THE ACCURACY OF THIS PLAN.

**SPECIFICATIONS:**

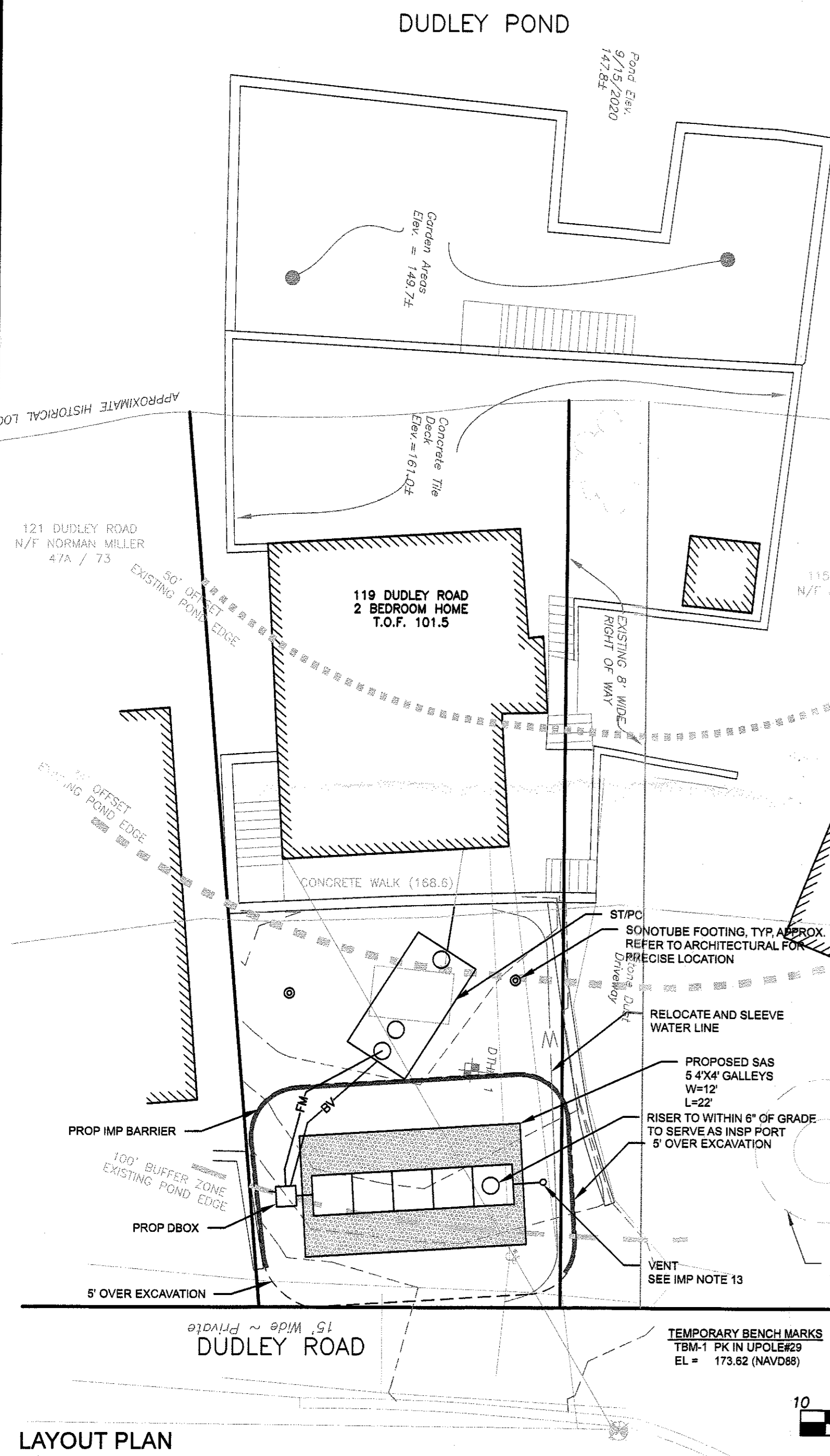
**GENERAL/ALL COMPONENTS**  
 ALL MATERIALS SHALL BE AS SPECIFIED - ANY REPLACEMENT SHALL BE SUBMITTED TO THE ENGINEERING INCLUDING CUT SHEETS OR SPECIFICATIONS AND APPROVED PRIOR TO INSTALLATION  
 310CMR 1.15 AND WAYLAND BOARD OF HEALTH REGULATIONS FOR ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEMS SHALL BE CONSIDERED PART OF THESE SPECIFICATIONS. ALL MATERIALS SHALL MEET THESE SPECIFICATIONS  
 ALL PIPING SHALL BE 4\"/>

**SOIL ABSORPTION SYSTEM**  
 IN ACCORDANCE WITH 310CMR 1.221 ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED  
 RISERS FITTED WITH CAST-IRON MANHOLE FRAMES AND COVERS OR APPROPRIATE EQUIVALENTS SHALL BE AFFIXED TO ANY SYSTEM COMPONENT WITH A DEPTH GREATER THAN 9\"/>

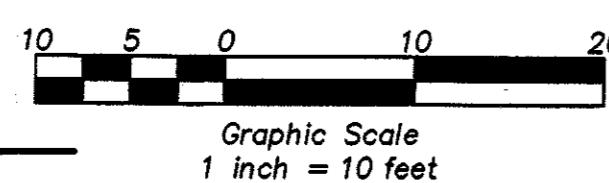
**DISTRIBUTION BOX**  
 THE DISTRIBUTION BOX SHALL BE CONCRETE, INVERT ELEVATIONS OF ALL OUTLETS SHALL BE EQUAL AND TWO INCHES BELOW THE INVERT OF THE INLET  
 OUTLET DISTRIBUTION LINES SHALL BE LEVEL FOR THE FIRST 2'  
 THERE SHALL BE A MINIMUM SUMP OF 6\"/>

**SEPTIC TANK/PUMP CHAMBER**  
 THE SEPTIC TANK/PUMP CHAMBER SHALL BE 2,000 GALLON TWO COMPARTMENT H20 SEPTIC TANK, FIRST COMPARTMENT SHALL BE MINIMUM OF 1,000 GALLONS, SECOND COMPARTMENT SHALL BE MINIMUM OF 500 GALLONS  
 TEES SHALL BE IN ACCORDANCE WITH 310CMR 1.227(6) - 1\"/>

**SELECTION**  
 OPERATING POINT: TDH 12 FEET, AND 30 GPM  
 A BALL VALVE SHALL BE PLACED IN LINE ON THE FORCEMAIN WITHIN THE PUMP CHAMBER TO THROTTLE THE FLOW, A CHECK VALVE SHALL NOT BE INSTALLED  
 PUMP AND ALARM SHALL BE ON SEPARATE CIRCUITS  
 CONTROL PANEL SHALL HAVE MANUAL RUN SWITCH AND CYCLE COUNTER



LAYOUT PLAN



CONNECTION MANIFOLD  
 SOIL ABSORPTION SYSTEM VENT

**ELEVATION SCHEDULE**

DESIGN	DESIGN
SEPTIC TANK INV (IN)	165.50
PUMP CHAMBER (OUT)	165.25
D-BOX INV (IN)	170.67
D-BOX INV (OUT)	170.50
SAS INV	170.00
BOTTOM CHAMBER	187.00
BOTTOM STONE	165.50

- LEGEND**
- BB EXISTING CONTOUR
  - PB PROPOSED CONTOUR
  - BV BACK VENT
  - E BURIED ELECTRIC (EX)
  - DW DOMESTIC WATER LINE (EX)
  - W DOMESTIC WATER LINE (PROP)
  - G GAS SERVICE (EX)
  - G GAS SERVICE (PROP)
  - S SEPTIC VENT
  - RD ROOF DRAIN (PROP)
  - FM FORCE MAIN
  - FD FOUNDATION DRAIN (PROP)
  - STONE WALL
  - PROPERTY LINE (APPROX)
  - PROPERTY LINE (PROPOSED)
  - EDGE OF PAVEMENT (EX)
  - EDGE OF PAVEMENT (PROP)
  - WOOD FENCE
  - WIRE FENCE
  - LIMIT OF WORK
  - EROSION CONTROL/STRAW WATTLE
  - PROPOSED SPOT GRADE
  - SPOT GRADE TO REMAIN
  - 101.10+
  - (101.10)
  - DEEP TEST HOLE
  - PERCOLATION TEST
  - TEMPORARY BENCH MARK
  - CONFIRMATORY TEST HOLE
  - SURVEY CONTROL DO NOT DISTURB

**ON-SITE SOIL AND GROUNDWATER REVIEW**

DATE: 20AUG2020 TIME: 1000 WEATHER: CLEAR MID 70'S  
 LAND USE: RESIDENTIAL  
 SLOPE: <5% SURFACE STONES: NEGLIGIBLE  
 VEGETATION: NEGLIGIBLE  
 SOIL EVALUATOR: TED P. DOUCETTE, (CERTIFICATION NOV 13, 2003)  
 APPROVING AUTHORITY REPRESENTATIVE: DARREN MACCAUGHY, RS, WAYLAND HEALTH AGENT

DISTANCES FROM:  
 OPEN WATER BODY: 80' DRAINAGE: 100'+  
 POSSIBLE WET AREA: 100'+ PROPERTY LINE: 15'  
 DRINKING WATER WELL: 100'+ OTHER: N/A

DEEP HOLE NUMBER: 12102018-1

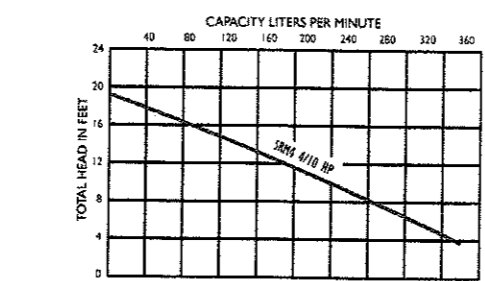
**DEEP OBSERVATION HOLE LOG**

DEPTH (INCHES)	HORIZON/LAYER	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	REDOXIMORPHIC FEATURES
0'-12"	A	SANDY LOAM	10YR 6/3	-
12'-44"	B	FINE SANDY LOAM	10YR 6/8	-
44'-96"	C	MED SAND/GRVL	10YR 6/2	-

PARENT MATERIAL: SAND  
 EXISTING GROUND ELEVATION AT TEST HOLE: 171.17  
 KEEPING FROM PIT FACE: NOT OBSERVED  
 STANDING WATER IN THE HOLE: NOT OBSERVED  
 REDOXIMORPHIC FEATURES: NOT OBSERVED  
 ESTIMATED SEASONAL HIGH GROUND WATER: <163.17

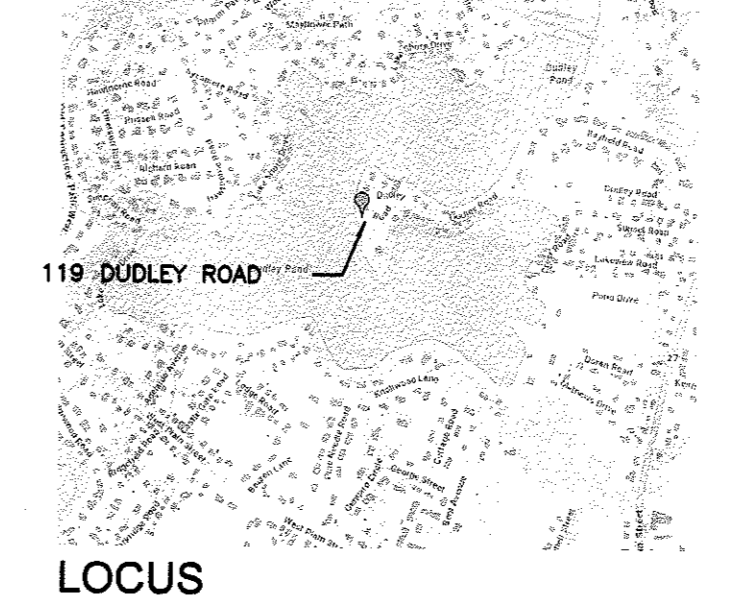
**PERCOLATION TEST**

DATE:	20AUG2020	TIME:	A.M.
NUMBER:	1		
LOCATION:	DTH-1		
DEPTH OF PERC:	60"		
PRE SOAK: START	0850		
PRE SOAK: END	CNS		
12"			
9"			
6"			
TIME 9"-6" (MIN)			
PERC RATE (MIN/IN)	<2		



PUMP CURVE

NOTES:  
 PUMP CURVE PROVIDED AS A REGULATORY REQUIREMENT ONLY, NOT INTENDED TO BE USED FOR PUMP SELECTION  
 OPERATING POINT 12 FT AND 30 GPM



LOCUS

NTS  
 SOURCE: MASS GIS

**PUMP CALCULATIONS:**

- STATIC HEAD (SH)  
 DBOX INLET EL = 170.67  
 PC BOTTOM EL = 160.67  
 STATIC HEAD = 10  
 FRICTION LOSS (FL)  
 FM LENGTH = 25 ft  
 FRICTION LOSS = 2.8 ft/100 ft  
 TOTAL FRICTION LOSS = 0.7  
 TDH = 10.7  
 SAY TDH = 12
- DOSE VOLUME (DESIGN) = 50 Gai  
 RUNBACK VOLUME = 5.0  
 TOTAL PUMP VOL = 55 Gai
- VOLUME PER INCH = 15.5 GAL/IN  
 FLOAT SETTINGS (VOLUME BETWEEN FLOATS)  
 INVERT = 55' (667 GAL)  
 ALARM = 12' (93 GAL)  
 PUMP ON = 10' (62 GAL)  
 PUMP OFF = 6' (93 GAL)
- STORAGE VOLUME ABOVE ALARM V1 (55' - 12') = 667 GAL  
 STORAGE VOLUME IS GREATER THAN 24-HR DESIGN FLOW.

**CERTIFICATION:**

BY MY SIGNATURE AND STAMP BELOW, I CERTIFY THE FOLLOWING:

- THAT ON 13NOV2003 I HAVE PASSED THE SOIL EVALUATOR EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERISE DESCRIBED IN 310 CMR 15.017
- VARIANCE REQUEST:  
 DUE TO THE SIZE OF THE LOT THE FOLLOWING VARIANCES ARE REQUESTED.

- REQUEST RELIEF FROM 310CMR 1.211(1) TO ALLOW THE FOLLOWING  
 1. REDUCE THE OFFSET BETWEEN THE PROPOSED SOIL ABSORPTION SYSTEM AND PROPERTY LINE FROM 10 FEET TO NOT LESS THAN 5 FEET FROM A PROPERTY LINE/RIGHT OF WAY WITH THE REFERENCE TO A PROPERTY LINE DETERMINATION FROM A REGISTERED PROFESSIONAL LAND SURVEYOR.
  - REDUCE THE OFFSET BETWEEN A SEPTIC TANK AND PROPERTY LINE FROM 10 FEET TO NOT LESS THAN FIVE FEET WITH A CERTIFIED PROPERTY LINE.
  - REDUCE THE OFFSET FROM THE PROPOSED SOIL ABSORPTION SYSTEM AND A FOUNDATION FROM 20 FEET TO NOT LESS THAN 10 FEET.
  - REDUCE THE OFFSET BETWEEN A SOIL ABSORPTION SYSTEM AND WATER LINE FROM 10 FEET TO NOT LESS THAN FIVE FEET.
- REQUEST RELIEF FROM WAYLAND HEALTH BOARD OF HEALTH REGULATIONS FOR ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEMS SECTION (IC), TO ALLOW THE PROPOSED UPGRADED SEPTIC SYSTEM TO BE DESIGNED AT THE TITLE 5 DESIGN FLOW OF 110 GPD

**Sewage Disposal System Upgrade Design for  
 119 Dudley Road, Wayland, Massachusetts.**

**DOUCETTE ENGINEERING**

152 Whitcomb Avenue, Littleton, Massachusetts 01460  
 978.621.2138 = doucette.engineering@comcast.net  
 www.doucetteengineering.com

Date: 03NOV2020  
 Scale: as noted  
 Sheet 1 of 1  
 Drawn by: TPD  
 Drawing number: 2020-138

**Revisions:**

- Misc notes, town review, chamber sas 22JAN2021
- Town review on rev 1 03MAR2021

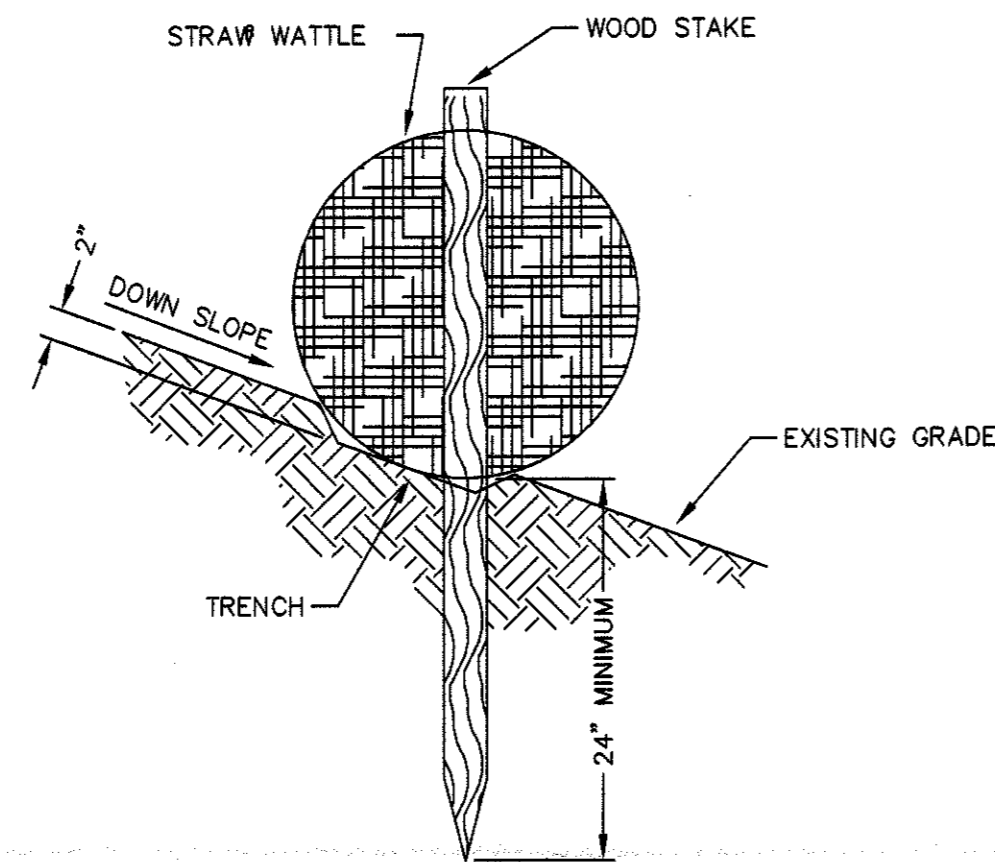
TED P. DOUCETTE  
 No. 45271  
 REGISTERED PROFESSIONAL ENGINEER



PROPERTY INFORMATION  
 OWNER OF RECORD: JOE BERTOLA  
 119 DUDLEY ROAD  
 WAYLAND MA 01778  
 WAYLAND ASSESSORS: 47A / 74  
 LOT AREA: 3000 +/- SF (RECORD)  
 ZONING DISTRICT: R20

THIS PROPERTY IS LOCATED WITHIN IN A ZONE II  
 THIS PROPOSED WORK ON THIS PROPERTY IS NOT LOCATED WITHIN A 100-YEAR FLOOD PLAIN  
 THIS PROPERTY IS NOT LOCATED WITHIN A NHESP PRIORITY HABITAT  
 THIS PROPERTY IS LOCATED WITHIN THE WAYLAND WATER RESOURCE PROTECTION DISTRICT  
 THE PROPOSED WORK IS WITHIN 100' OF A FRESHWATER BANK  
 THERE ARE NO DRAINAGE STRUCTURES WITHIN 50' OF THE PROPOSED SEPTIC SYSTEM  
 THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL  
 THERE IS NO GARBAGE DISPOSAL INSTALLED IN THE HOUSE

ABBREVIATIONS:  
 ASB AS-BUILT  
 BW BOTTOM OF WALL  
 BOH BOARD OF HEALTH  
 CB CATCH BASIN  
 CF CUBIC FEET  
 CONC CONCRETE  
 DMH DRAIN MANHOLE  
 EX EXISTING  
 ESHO ESTIMATED SEASONAL HIGH GROUND WATER  
 EL ELEVATION  
 FFE FINISHED FLOOR ELEVATION  
 INV INVERT  
 LF LINEAR FEET  
 PC PUMP CHAMBER  
 PROP PROPOSED  
 SAS SOIL ABSORPTION SYSTEM  
 ST SEPTIC TANK  
 SYS SYSTEM  
 TOF TOP OF FOUNDATION  
 TW TOP OF WALL  
 TYP TYPICAL  
 VIF VERIFY IN FIELD



- WETLAND NOTES:**
- ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE ORDER OF CONDITIONS ISSUED BY THE WAYLAND CONSERVATION COMMISSION.
  - EROSION CONTROLS SHALL BE INSTALLED PRIOR TO STARTING ANY OTHER WORK.
  - NO FILL SHALL BE STOCKPILED OR PLACED WITHIN 100 FEET OF THE WETLAND.
  - THE WETLAND RESOURCE AREA WAS DELINEATED BY THE TOP OF BANK AND EDGE OF WALL. NO EVIDENT BORDERING VEGETATIVE WETLAND WAS OBSERVED.
  - THERE SHALL BE NO DISPOSAL OR BURIAL OF CONSTRUCTION DEBRIS WITHIN 100 FEET OF THE WETLAND. ANY DEBRIS THAT ENTERS THE RESOURCE AREA SHALL BE REMOVED BY HAND.
  - EQUIPMENT SHALL NOT BE FUELED WITHIN 100 FEET OF THE RESOURCE AREA.
  - THE SEQUENCE OF CONSTRUCTION SHALL BE AS FOLLOWS  
 INSTALL EROSION CONTROLS  
 DEMOLISH HOUSE  
 CONSTRUCT HOUSE  
 REMOVE EXISTING TANK, INSTALL PROPOSED TANK/PUMP CHAMBER  
 CONSTRUCT THE SOIL ABSORPTION SYSTEM  
 GRADE, SPREAD LOAM, SEED  
 REMOVAL OF EROSION CONTROLS SHALL ONLY BE COMPLETED WHEN SUFFICIENT VEGETATION HAS GROWN TO PREVENT EROSION OF LOAM.
  - RESTORATION SHALL INCLUDE SPREADING AT LEAST 4" OF LOAM AND SEEDED WITH A SUITABLE LAWN MIXTURE OR OTHER PERVIOUS TREATMENT. FINAL SURFACE TREATMENT OVER THE SEPTIC SYSTEM SHALL

- DRAINAGE/STORMWATER SPECIFICATIONS:**
- STRAW WATTLES SHALL BE HDPE PHOTODEGRADABLE NETTING FILLED WITH AN ORGANIC MEDIA CONSISTING OF AGRICULTURAL STRAW. EACH WATTLE SHALL BE 25" IN LENGTH AND SECURED OR TIED AT EACH END. FILL MATERIAL SHALL BE 100% CHOPPED AGRICULTURAL STRAW WEIGHING APPROXIMATELY 2 LBS/FOOT.
  - STRAW WATTLE DIMENSIONS:  
 DIAMETER 9"  
 LENGTH 25 feet  
 WEIGHT 50 pounds
  - STRAW WATTLE INSTALLATION: WATTLES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. WATTLES WILL BE STAKED AT NO MORE THAN 5' INTERVALS (6 STAKES PER WATTLE) OR ADDITIONAL STAKES AS NECESSARY TO MAINTAIN INTIMATE CONTACT WITH THE GROUND. WHEN THEY CANNOT BE STAKED DUE TO THE SURFACE OR LOCATION THEY SHALL BE OTHERWISE SECURED SUCH AS TIED TO THE RAILING WITH ZIP TIES
  - STRAW WATTLES SHALL MEET THE ABOVE SPECIFICATIONS. BE 9" STRAW WATTLE BY NEW ENGLAND STRAW WATTLE OR APPROVED EQUAL.

**IMPERVIOUS AREA SUMMARY**

WITHIN THE 100 FOOT BUFFER ZONE  
 PRE-CONSTRUCTION 2495 SF  
 POST-CONSTRUCTION 2765 SF

LOT COVERAGE WITHIN BY-LAW JURISDICTION  
 AREA WITHIN JURISDICTION 3012 SF  
 PRE-CONSTRUCTION COVERAGE 83%  
 POST-CONSTRUCTION COVERAGE 92%

**ON-SITE SOIL AND GROUNDWATER REVIEW**

DATE: 20AUG2020 TIME: 1000 WEATHER: CLEAR MID 70'S  
 LAND USE: RESIDENTIAL SLOPE: <5% SURFACE STONES: NEGLIGIBLE  
 VEGETATION: NEGLIGIBLE  
 SOIL EVALUATOR: TED P. DOUCETTE, (CERTIFICATION NOV 13, 2003)  
 APPROVING AUTHORITY REPRESENTATIVE: DARREN MACCAUGHY, RS, WAYLAND HEALTH AGENT  
 DISTANCES FROM:  
 OPEN WATER BODY: 80' DRAINAGE: 100'+  
 POSSIBLE WET AREA: 100'+ PROPERTY LINE: 15'  
 DRINKING WATER WELL: 100'+ OTHER: N/A

DEEP HOLE NUMBER 12102018-1

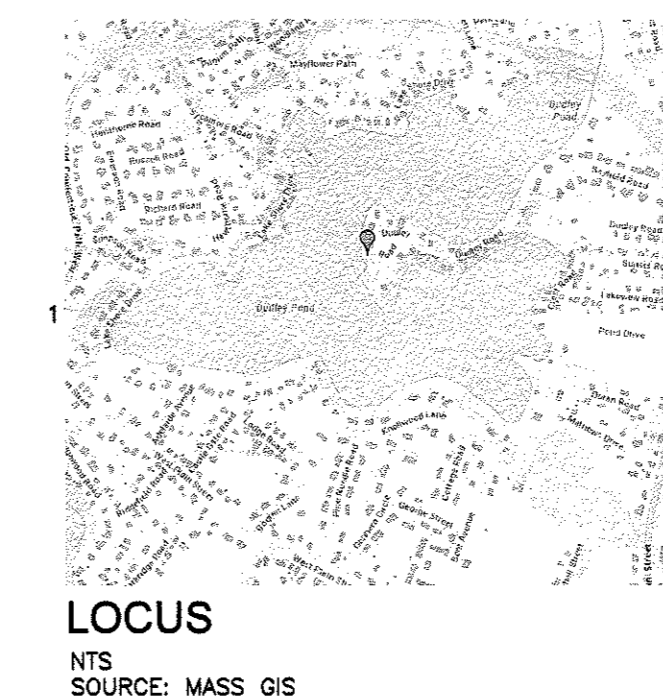
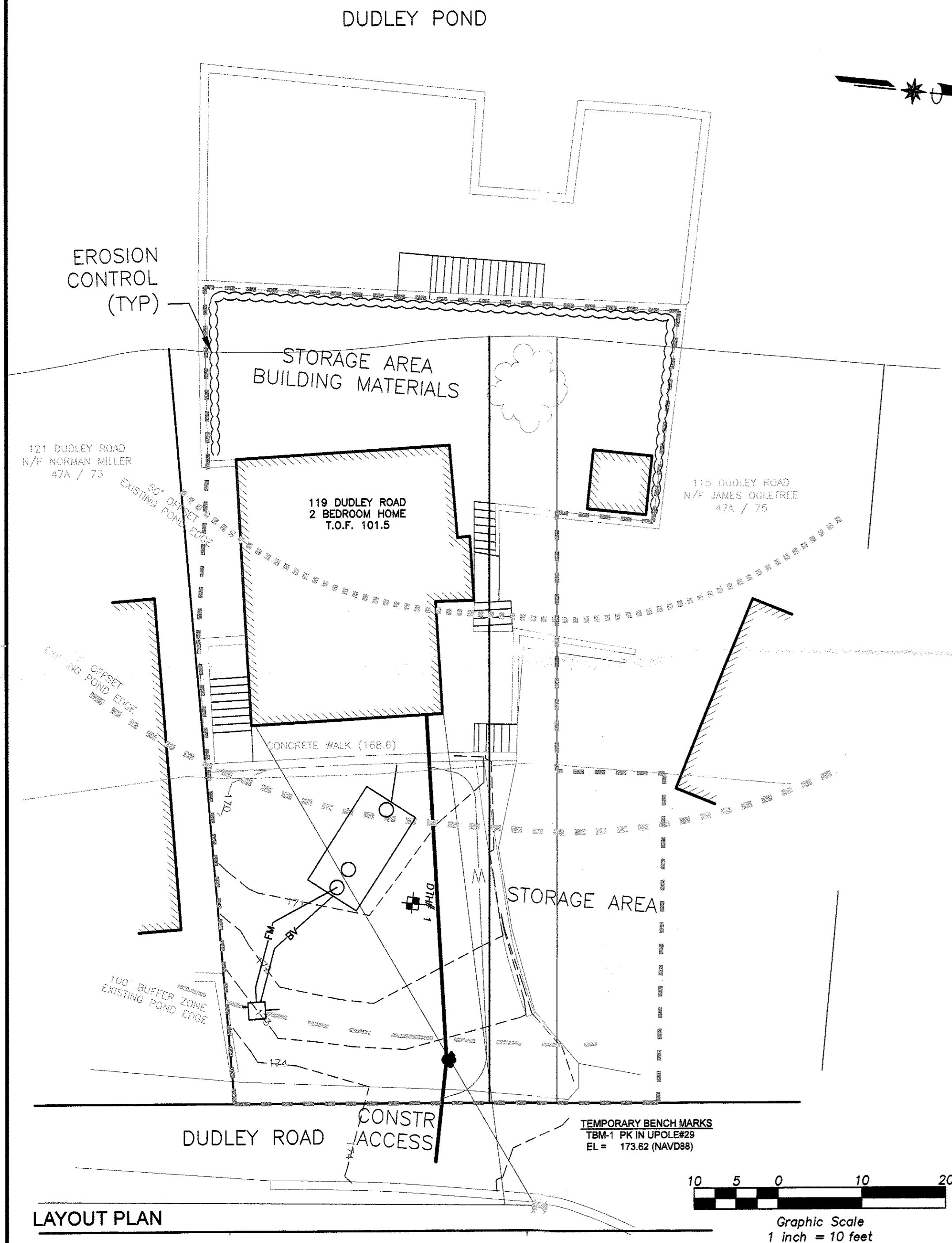
DEEP OBSERVATION HOLE LOG				
DEPTH (INCHES)	HORIZON/LAYER	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	REDOXIMORPHIC FEATURES
0'-12"	A	SANDY LOAM	10YR4/3	-
12"-44"	B	FINE SANDY LOAM	10YR6/8	-
44"-96"	C	MED SAND/GRVL	10YR5/3	-

PARENT MATERIAL: SAND DEPTH TO BEDROCK: >96"  
 EXISTING GROUND ELEVATION AT TEST HOLE: 171.17  
 WEeping FROM PIT FACE: NOT OBSERVED  
 STANDING WATER IN THE HOLE: NOT OBSERVED  
 REDOXIMORPHIC FEATURES: NOT OBSERVED  
 ESTIMATED SEASONAL HIGH GROUND WATER: <163.17

PERCOLATION TEST	
DATE: 20AUG2020	TIME: A.M.
NUMBER: 1	
LOCATION: DTH-1	
DEPTH OF PERC: 80"	
PRE SOAK: START 0950	
PRE SOAK: END CNS	
12"	
9"	
6"	
TIME 9"-6" (MIN)	
PERC RATE (MIN/IN)	<2


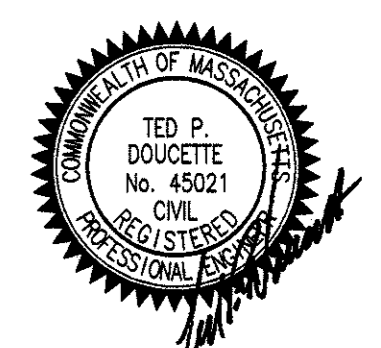
- 98 EXISTING CONTOUR
- 9B PROPOSED CONTOUR
- BV BACK VENT
- E BURIED ELECTRIC (EX)
- E BURIED ELECTRIC (PROP)
- W DOMESTIC WATER LINE (EX)
- W DOMESTIC WATER LINE (PROP)
- G GAS SERVICE (EX)
- G GAS SERVICE (PROP)
- S SEPTIC VENT
- RD ROOF DRAIN (PROP)
- FM FORCE MAIN
- FD FOUNDATION DRAIN (PROP)
- STONE WALL
- PROPERTY LINE (APPROX)
- PROPERTY LINE (PROPOSED)
- EDGE OF PAVEMENT (EX)
- EDGE OF PAVEMENT (PROP)
- WOOD FENCE
- WIRE FENCE
- LIMIT OF WORK
- EROSION CONTROL/STRAW WATTLE
- PROPOSED SPOT GRADE
- SPOT GRADE TO REMAIN
- 101.10<sub>+</sub>
- (101.10)<sub>-</sub>
- DEEP TEST HOLE
- PERCOLATION TEST
- TEMPORARY BENCH MARK
- CONFIRMATORY TEST HOLE
- SURVEY CONTROL DO NOT DISTURB

**LEGEND**



LOCUS  
 NTS  
 SOURCE: MASS GIS

**Notice of Intent Plan for  
 119 Dudley Road, Wayland, Massachusetts.**

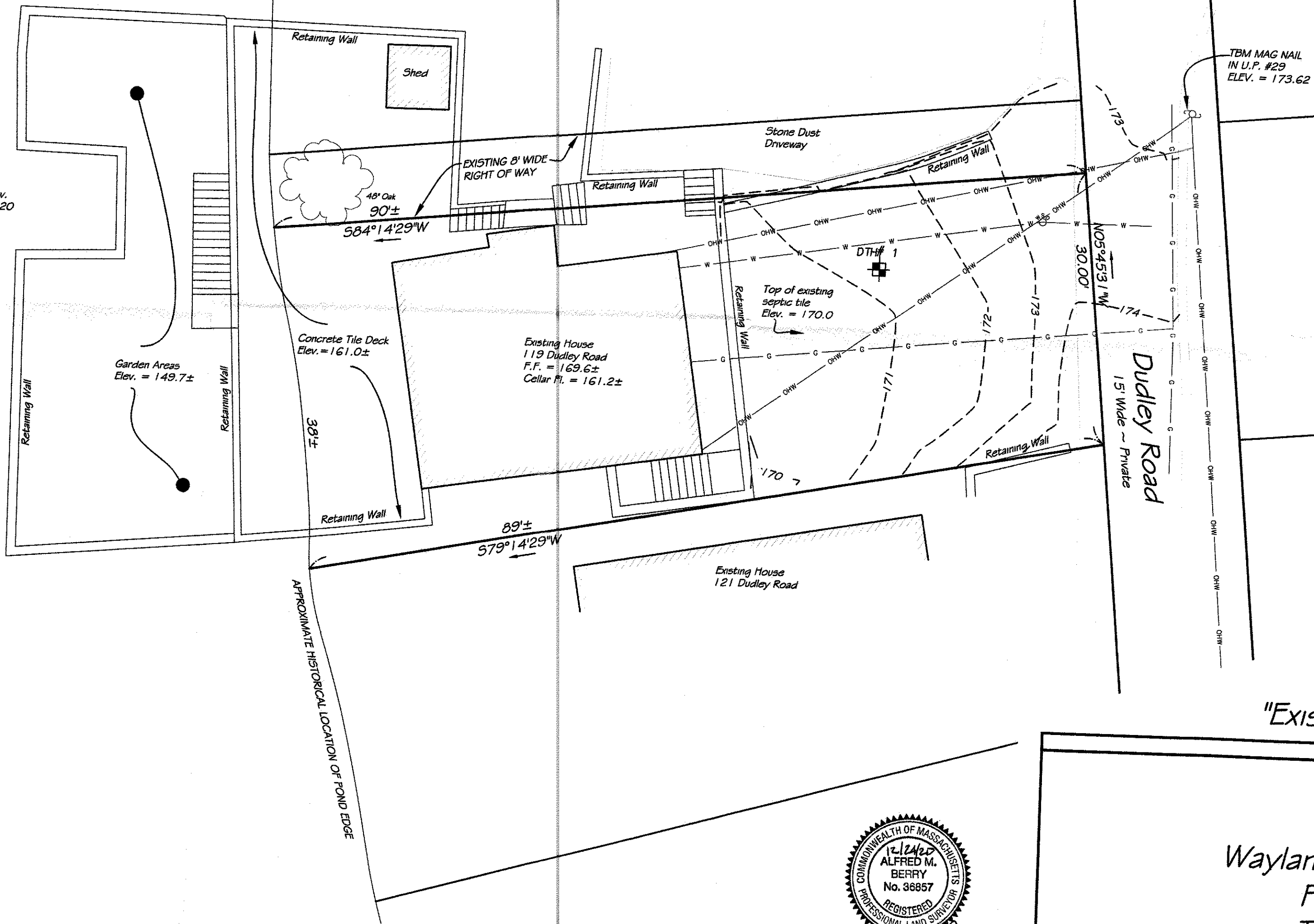
 <b>DOUCETTE ENGINEERING</b> 152 Whitcomb Avenue, Littleton, Massachusetts 01460 978.621.2138 • doucette.engineering@comcast.net www.doucetteengineering.com	Date: 12MAR2021
	Scale: as noted
	Sheet 1 of 1
	Drawn by: TPD
Revisions:	Drawing number: 2020-188b
	



- LEGEND**
- DH DRILL HOLE
  - IP IRON PIPE
  - REBAR OR IRON ROD
  - STONE OR CONCRETE BOUND
  - ○ ○ ○ ○ STONE WALL

Dudley Pond

Pond Elev.  
9/15/2020  
147.8±



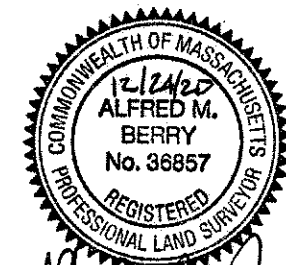
TBM MAG NAIL  
IN U.P. #29  
ELEV. = 173.62

**LOCUS REFERENCE**  
GERARDO & ADRIANA ESPOSITO  
BOOK 1470, PAGE 98  
ASSESSORS PARCEL ID: 47A-074

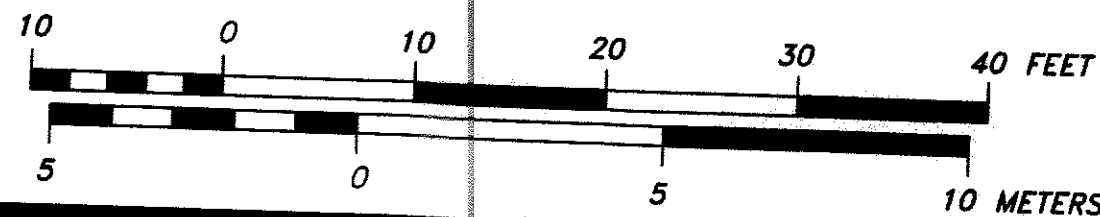
**REFERENCE PLANS**  
1.) RECORDED LAND PLAN 4343B.

**NOTES:**  
1.) ELEVATIONS SHOWN REFER TO THE NORTH  
AMERICAN VERTICAL DATUM OF 1988, (NAVD88).

"Existing Conditions"



Alfred M. Berry



Plan of Land  
in  
Wayland, Massachusetts  
Prepared For  
Ted Doucette

<b>ALFRED M. BERRY, P.L.S.</b> 129 South Main Street, PO Box 185 ATHOL, MA 01331 (508) 277-1161	DATE:	10/6/2020
	JOB NO:	2017-000
SCALE:	1" =	
AMB PROJECT MGR	DWG NAME:	XXX
AMB DRAWN BY	PLAN NO:	2017-000
	SHEET:	1 OF 1

**Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application**

**1. Applicant:**

STUART M GOLDSTEIN STUBOLD77@AOL.COM  
 Name (PLEASE PRINT) Email Address (if applicable)  
31 JEFFREY ROAD WAYLAND MA 01778  
 Mailing Address City/Town State Zip Code  
791-929-9636 NONE  
 Phone Number Fax Number (if applicable)

**RECEIVED**  
**MAY 06 2021**

**2. Representative:**

N/A  
 Firm/Business Name Contact Name WAYLAND CONSERVATION COMMISSION  
 Mailing Address City/Town State Zip Code  
 Phone Number Fax Number (if applicable)

**3. Property Owner(s)**

STUART M GOLDSTEIN STUBOLD77@AOL.COM  
 Property Owner (PLEASE PRINT) Email Address (if applicable)  
31 JEFFREY ROAD WAYLAND MA 01778  
 Address City/Town State Zip Code  
509-358-3453 NONE  
 Phone Number Fax Number (if applicable)

**4. Type of Application**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Request for a Determination of Applicability (RDA) | <input type="checkbox"/> Notice of Intent (NOI)      |
| <input type="checkbox"/> Abbreviated NOI   | <input type="checkbox"/> Extension of O.O.C.         |
| <input type="checkbox"/> Notice of Resource Area Delineation                           | <input type="checkbox"/> Certificate of Compliance   |
| <input type="checkbox"/> After the Fact Amendment (AFA)                                | <input type="checkbox"/> After the Fact Filing (AFF) |
| <input type="checkbox"/> Amendment to Order of Conditions                              |  |

**5. Project**

31 JEFFREY ROAD - WAYLAND 28/012  
 Location Address Assessors Map(s) Parcel(s)

*[Signature]*

Project Description (PLEASE PRINT): CONSTRUCT A NEW 20' X 20' DECK ABOVE  
AN EXISTING FLAGSTONE PATIO IN REAR OF HOME  
REMOVE FLAGSTONE COVER AND ADD STONE GRASS FOR  
DRAINAGE

**6. Title/Date of Plan(s)**

**7. Bylaw Application Fee:**

\$ 50.00

**8. Application filed pursuant to MGL Chapter 131, Section 40**  Yes  No

**9. Signature of Applicant**

Stuart M Goldstein Date 5/6/2021

**Signature of Property Owner**

Stuart M Goldstein Date 5/6/2021

**(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)**

*06*



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

City/Town

**WPA Form 1- Request for Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**A. General Information**

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

STUART M. GILBERTSTEIN

Name

STUGOLD77@AOL.COM

E-Mail Address

31 JEFFREY ROAD

Mailing Address

WAYLAND

City/Town

MA

State

01778

Zip Code

781-929-7636

Phone Number

NONE

Fax Number (if applicable)

2. Representative (if any):

N/A

Firm

Contact Name

E-Mail Address

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

**B. Determinations**

1. I request the Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance or bylaw** of:

Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).





**Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands**

City/Town \_\_\_\_\_

**WPA Form 1- Request for Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**C. Project Description**

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

31 JEFFREY ROAD WAYLAND  
Street Address City/Town  
28/012 # 10  
Assessor's Map/Plat Number Parcel/Lot Number

b. Area Description (use additional paper, if necessary):

JUST A 20 X 20' ABOVE GROUND DECK  
RIVER EXISTING FLAGSTONE PATIO

c. Plan and/or Map Reference(s):

_____	_____
Title	Date
_____	_____
Title	Date
_____	_____
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

CONSTRUCTION OF A NEW DECK 20' X 20' (UNDER EXISTING  
DECK) BUILT ABOVE AND EXISTING FLAGSTONE PATIO.  
NO DISRUPTION OF ANY TREES OR BUSHES. NO OTHER  
WORK OR CONSTRUCTION EXCEPT REMOVAL OF  
FLAGSTONE + REPLACING WITH GRAVEL FOR  
DRAINAGE.  
TOURN BUMP FOR WOOD WASTE



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

WAYLAND  
City/Town

**WPA Form 1- Request for Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**D. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

STUART M GOLDSTEIN  
Name  
31 SEFFAEY ROAD  
Mailing Address  
WAYLAND  
City/Town  
MA  
State  
01778  
Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Stuart M Goldstein  
Signature of Applicant  
5/6/2021  
Date

\_\_\_\_\_  
Signature of Representative (if any)      Date



# WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

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3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

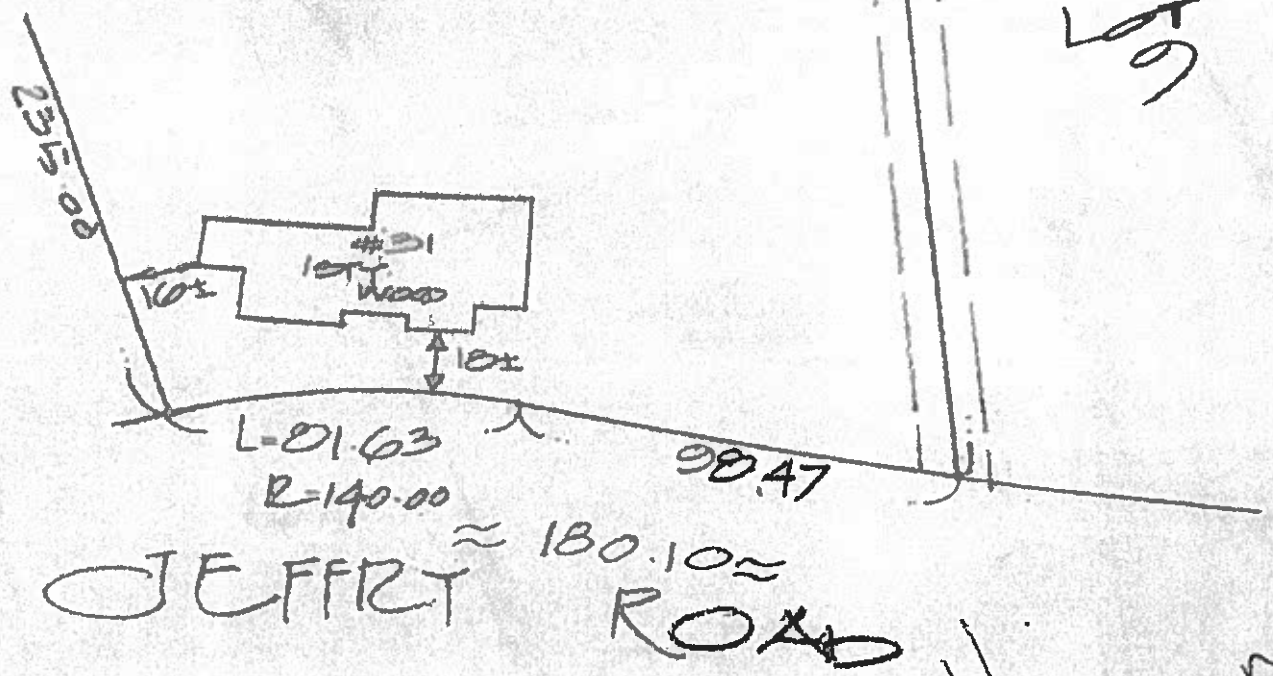
b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

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Lot 9



*Domini Perlow*  
*Surveyor*

Scale:  $\frac{1''}{60'}$

AMERICAN SURVEYING COMPANY

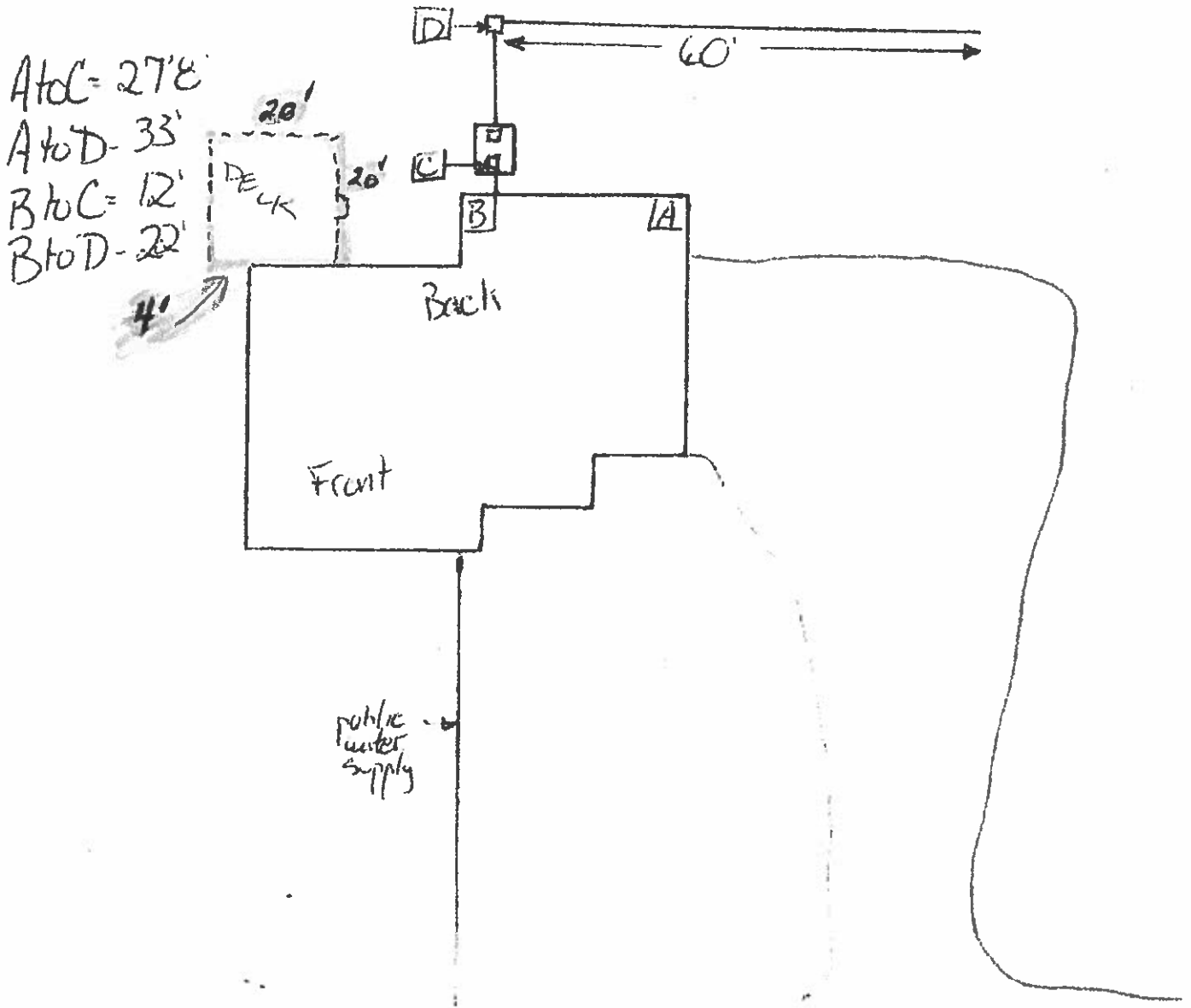
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SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART C  
SYSTEM INFORMATION (continued)

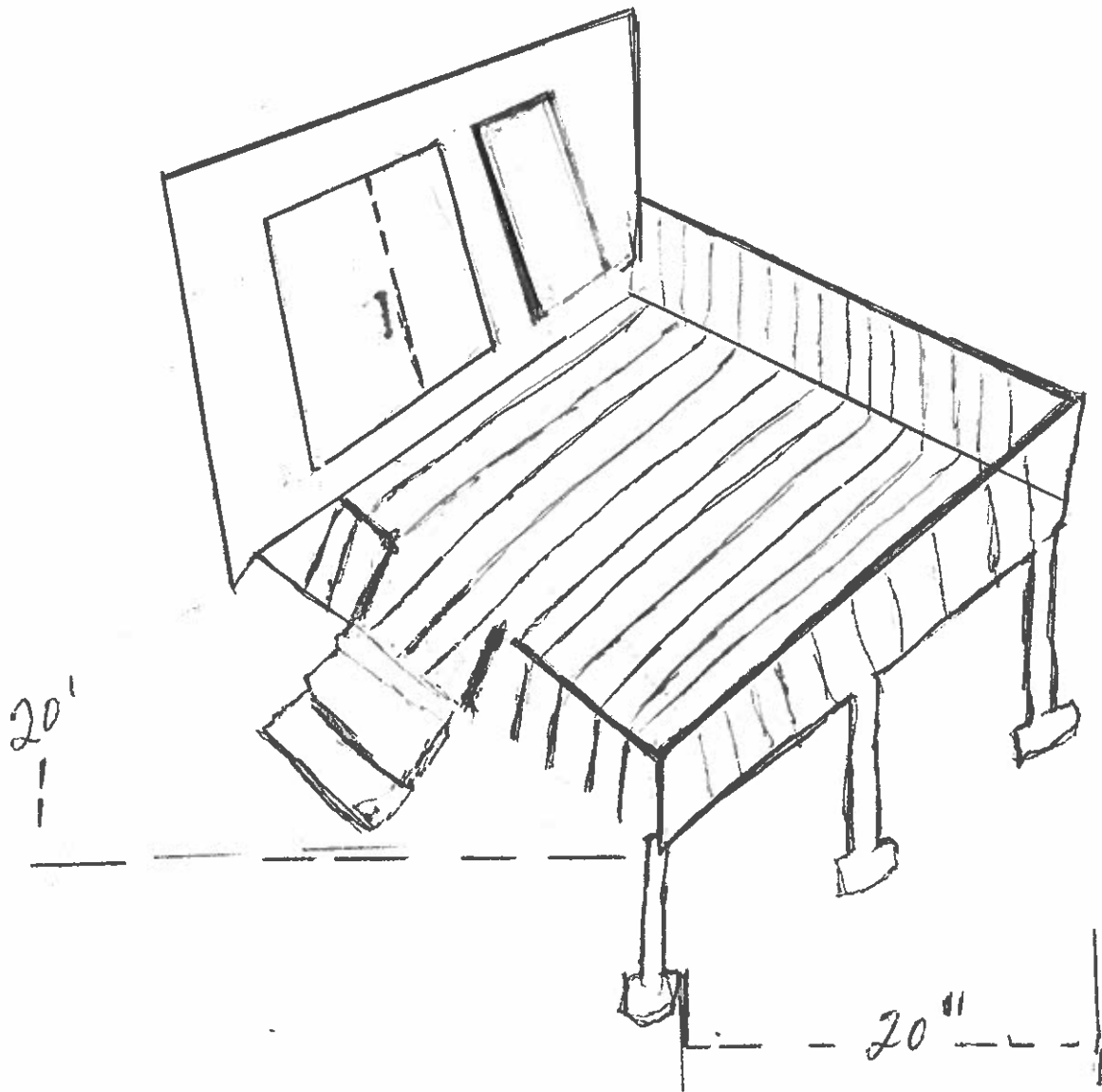
Property Address: 31 Jeffery rd Weyland  
Owner: Ted McKie  
Date of Inspection: 7/28/00

SKETCH OF SEWAGE DISPOSAL SYSTEM:

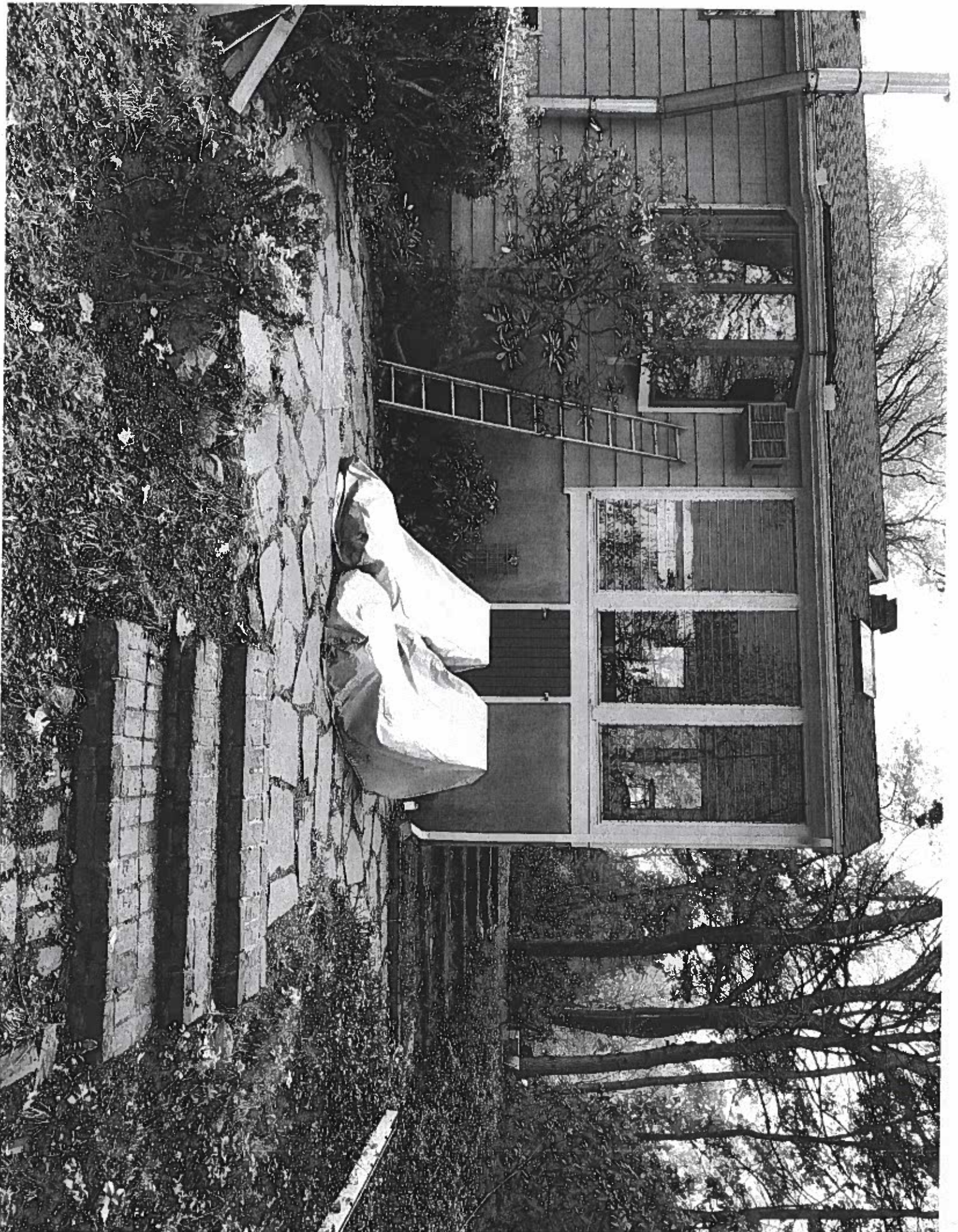
include ties to at least two permanent reference landmarks or benchmarks  
locate all wells within 100' (Locate where public water supply comes into house)













APPLICATION FOR BOARD OF HEALTH APPROVAL TO OBTAIN A BUILDING PERMIT

(Please Print ALL Application Information Unless Directed Otherwise)

FEE SCHEDULE: (Checks payable to "Town of Wayland")

New Construction, Demolition, Addition, Porch, Garage \$150
Temp Mobile Home/Change of Use \$ 75; Deck \$ 50; Shed \$ 25
Private Pools: Above Ground Pool \$ 25; In Ground Pool \$100
Public/Semi Public Pool - \$ 200

App # 2019 2021035

Permit # 20210005

Check # 1623 Fee Paid \$ 50

Property Location: 31 JEFFREY ROAD

Property Owner(s): STUART M. GOLDSTEIN

Proposes to Change / Construct / Demolish (please describe project):

CONSTRUCT A NEW 20' X 20' DECK ATTACHED TO EXISTING PORCH ON REAR OF HOME \*FACING HOME FROM REAR - RIGHT SIDE\*

This property is served by: [X] Subsurface Sewage Disposal System [ ] Town Sewer (WWMDC pre-approval required)

[ ] (check) I have, or may have wetlands, a stream, river, or other water body on or near my property and I have contacted the Conservation Commission regarding this project. Cons Com submittal date (if applicable):

Requirements for Items 1-6 are listed on the back of this application

- 1. [ ] to construct a new building i.e. Refuse Hauler
2. [X] to add to an existing dwelling or other existing building.
3. [ ] to alter an existing dwelling or other existing building.
4. [ ] \*to change the use of an existing dwelling or other existing building.
5. [ ] \*for additional use of an existing dwelling or other existing building.
6. [ ] \*to demolish an existing dwelling or other existing building.

\*Licensed Refuse Hauler: DUVYMASTER Licensed Chemical Toilet Co.

Contractor's Name: NONE - PRESENTLY (If Homeowner write "Owner")

\* There is an exemption you may qualify for if the property is single family, owner occupied, and the owners themselves (NO outside contractors) are undertaking ALL renovation activities (see Demo handout).

Applicant Signature: Stuart M. Goldstein (Owner /Agent, Please Circle One)

The applicant warrants the truthfulness of the information in the application and that if any of the information provided is incorrect, the building permit may be revoked. If Agent: (check) [ ] "I hereby certify that the proposed work has been authorized by the owner and I have been authorized by the owner as their agent to make this application on their behalf.

Applicant Name STUART M. GOLDSTEIN (Owner / Agent, Please Circle One)

Full Address 31 JEFFREY ROAD

Phone/Cell (781) 929-9636

Email STUBIEDOTT@aol.com

WWMDC Authorization Approved [ ] Disapproved [ ]
Board of Health Action Approved [X] Disapproved [ ]

BOH Comments / Conditions:

Approval Date: 4/5/2021

Board of Health (or Agent): Dawn R. Murphy

Board of Health approval only means that the proposed project does not violate any BOH minimum setback requirements and/or rules & regulations based on the information provided. It is expected that the applicant will not cause any increase in wastewater flow to the Town's sewer system (other than as authorized by the WWMDC) or to the septic system unless a system designed to accommodate that increased flow has been approved by the BOH and said system has been installed.

## SUMMARY OF BOH REQUIREMENTS FOR ITEMS 1 – 6 FROM THE REVERSE

For Full BOH Requirements, please see our handout "*Requirements For Obtaining A BOH Building Approval*"

### Items 1-5: Construct, Add, Alter, Change Use, Additional Use

- 1 copy of existing house layout (all floors) showing all heated & finished ("living") space, rooms labeled w/ use designations remembering to include dimensions and square footage calculations of all existing living area. Please show all rooms, hallways, doors, windows, and closets (8.5" x 11" rendering is fine).
- 2 copies of the proposed design/layout, full size and to scale, as well as 1 – 11"x17" reduced sized set showing the same (all floors showing heated/finished space, rooms labeled w/ use designations, include the NEW proposed dimensions/amount of living area square footage calculations). Again, showing all rooms, hallways, doors, windows, closets, with dimensions and square foot calculations included.
- Asbestos survey inspection report of areas which may be affected for all full or partial renovations (see asbestos survey report requirements as outlined below under Item 6: Demolition).
- Identify refuse dumpster hauler & chemical toilet co. used (as applicable). Must be Wayland licensed.
- A proposed, scale plot plan of your lot showing your existing dwelling & septic locations, as well as the location and extent of your proposed project.

### Items 4-5: Change of Use and Additional Use

Change of Use is often defined as going from one use to another (i.e. Residential to Commercial or vice-versa). An example of Additional Use could be taking part of a residential living space to conduct a home business, or it can also be the addition of new uses to an existing use like adding chair(s) to a Nail Salon or Barber shop.

- Include existing and proposed water usage, and a sketch of the proposed new layout
- Identify refuse dumpster hauler & chemical toilet co. used (as applicable). Must be Wayland licensed.

### Item 6: Demolition

- Asbestos survey report of areas affected for full/partial demolition, and for any renovation or additions. There is a possible exemption for partial demo work on single family, owner occupied properties where the owner is performing the work w/out help from outside contractors (see Demo handout).
- A pest control survey and baiting report is required for full demolitions at vacant properties.
- A new, fully compliant septic design is required and must be approved for the new structure prior to Demo Permit approval. The existing septic must also be properly abandoned (permit required for both).
- Identify refuse dumpster hauler & chemical toilet co. used (as applicable). Must be Wayland licensed.

### Adding Rooms and/or Altering:

- If construction of heated/finished space is proposed to add greater than 59% of the original house's heated/finished space since the last septic installation performed in full compliance without variances/waivers, OR you are adding rooms and/or bedrooms above your septic system's capacity, a new septic system requirement is triggered. Wayland Regulations consider this to be "New Construction" and the septic must be brought into full compliance at that point to proceed.

### Septic Sizing:

- Take the total number of finished/heated space rooms (not including bathrooms, hallways, unheated cellars and unheated storage areas), DIVIDE by 2 (round down if not a whole #). The result generally equals the number of bedrooms that your septic system should be or have been designed for. If there are more rooms than allowed by this calculation, a deed restriction or larger septic system may be required.

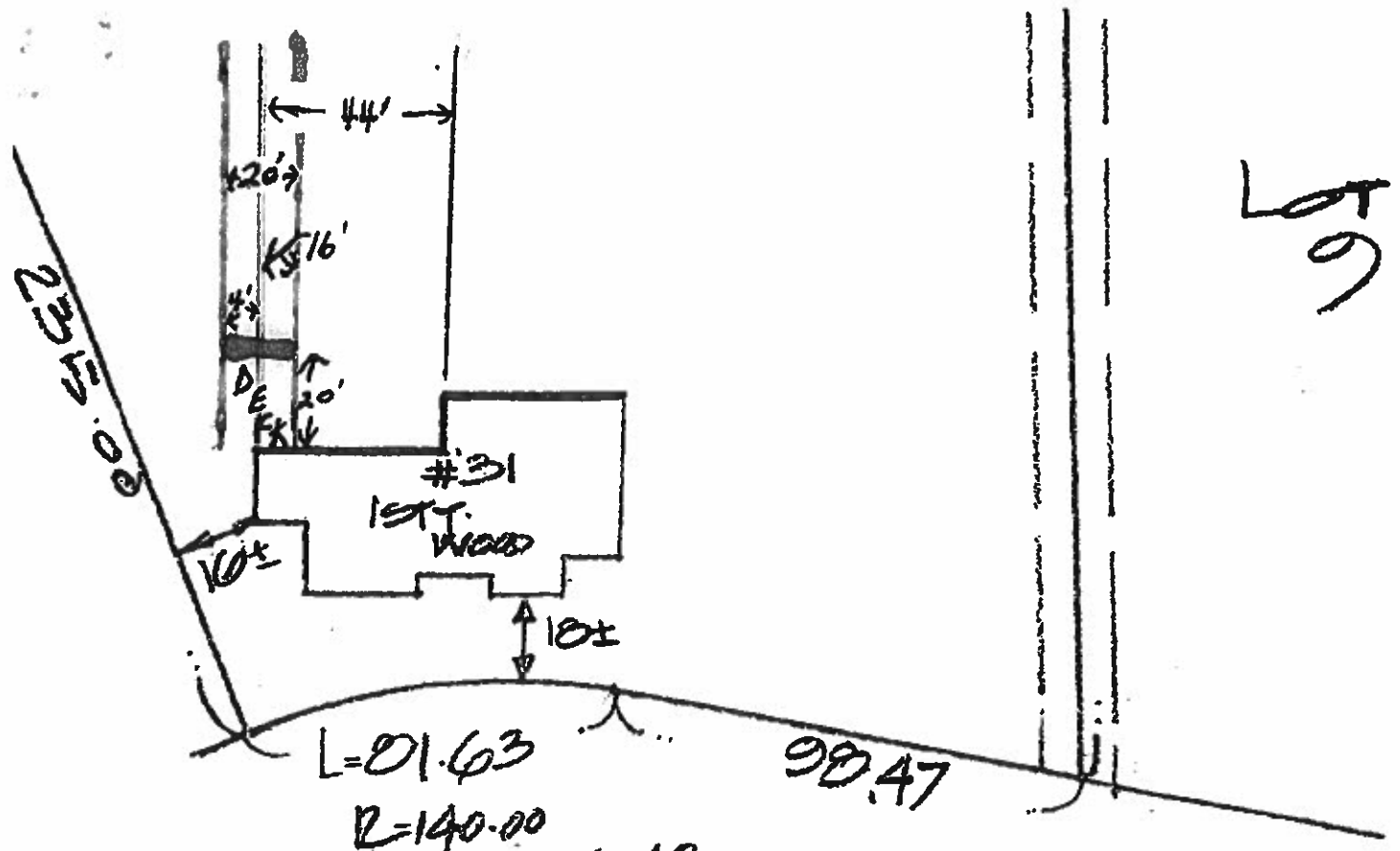
Please refer to our BOH Customer Guidance Documents for more in depth information on:

- "*REQUIREMENTS FOR OBTAINING A BOH BUILDING APPROVAL*"
- "*HOMEOWNER'S GUIDE FOR BUILDING APPROVALS OF ADDITIONS/RENOVATIONS OR NEW CONSTRUCTION*"

### Next steps after Health Department approval:

For additions or interior renovations you will need to get Fire Department approval next (they require 3 sets of plans). After Fire Dept. you will then need to go to the Building Department for their permit requirements.

Any other projects (decks, sheds, pools, etc.) may skip Fire and go directly to the Building Department.



JEFFREY ROAD

BOARD OF HEALTH APPROVAL  
WAYLAND

DATE 4/5/2021  
PER *Daniel M. Campbell*

*Thomas J. Herlihy*  
*Thomas J. Herlihy*

Scale: 1" = 60'









Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application

1. Applicant:

Name (PLEASE PRINT) Alan & Carol Price Email Address (if applicable) cmprice221@hotmail.com
Mailing Address 3 Superior Dr Apt 337 Natick MA 01760
Phone Number 508-868-9924 Fax Number (if applicable)

2. Representative:

Firm/Business Name DAVLETTE ENGINEERING Contact Name TED DAVLETTE
Mailing Address 152 WHITCOMB AVE LITTLETON MA 01460
Phone Number 978-621-2158 Fax Number (if applicable)

3. Property Owner(s)

Property Owner (PLEASE PRINT) 119 DRAPER LLC JAMES GERARD MGR - ED BUCKNER
Address 2 CANDLEBERG LN WESTON MA 02493
Phone Number Fax Number (if applicable)

4. Type of Application

- [X] Request for a Determination of Applicability (RDA) [ ] Notice of Intent (NOI)
[ ] Abbreviated NOI [ ] Extension of O.O.C.
[ ] Notice of Resource Area Delineation [ ] Certificate of Compliance
[ ] After the Fact Amendment (AFA) [ ] After the Fact Filing (AFF)
[ ] Amendment to Order of Conditions

5. Project

Location Address 119 Draper Rd Assessors Map(s) Parcel(s)

Project Description (PLEASE PRINT): Upgrade/replace existing non-compliant septic system with title 5 compliant system, see narrative

6. Title/Date of Plan(s)

SEWER DISPOSAL SYSTEM Upgrade DESIGN 119 DRAPER RD, WAYLAND MASSACHUSETTS 10 FEB 2021 REV 2021

7. Bylaw Application Fee:

\$ 150

8. Application filed pursuant to MGL Chapter 131, Section 40 [X] Yes [ ] No

9. Signature of Applicant

Signature of Applicant [Signature] Date 4/2/2021

Signature of Property Owner

Signature of Property Owner [Signature] Date 4/2/2021

(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)



**TOWN OF WAYLAND  
Conservation Commission**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

## CHAPTER 194 Submittal Requirements

Upon submittal of any Bylaw application the applicant(s), property owner (if different), and their representative(s) must sign this checklist.

- Original and one copy of the MA Wetlands Protection Act ("WPA") application and Chapter 194 Bylaw application, including owner(s) signature, the applicant(s) signature, site plan(s), narrative, etc. \*

**NOTE:** If a WPA Application is not filed, a copy of either a statement as to not applicable (limited generally to buffer zone or bordering land subject to flooding) or a valid Order of Resource Area Determination (ORAD) must be provided with copies.

- A separate check for all applicable Wetlands Act fees.
- A separate check for all applicable Chapter 194 Bylaw fees.
- A list of the 100' Abutters, certified by the Assessors Office.
- Evidence of Board of Health receipt of application or approval for all applications with septic work or home renovations.

\*A copy of all documents submitted should be provided electronically to [conservation@wayland.ma.us](mailto:conservation@wayland.ma.us)

### Project Summary

- A narrative statement describing all of the activities proposed. If work is omitted from the narrative it may not be permitted.
- A narrative summary description of the types of resource areas on or near the site. Omission of resource areas is a basis for denial of the project as being incomplete.
- A narrative discussion how the project has been designed to minimize impacts to resource areas and how any mitigation has been proposed to better protect or enhance the resource areas during and after construction.

The Conservation Commission will evaluate the application based on the scope of the project and the potential impacts on the resource area (e.g. a wetland, pond, vernal pool, riverfront area, etc.) The Commission's priorities for project assessment are avoidance, minimization, and mitigation of impacts to resource area/s in that order. If mitigation is proposed, the Commission will require a 1:1.5 ratio of replication for impacts to wetlands and for buffer zones. The narrative should clearly address these priorities.

- A narrative discussion that presents justification, based on factors of technical or economic feasibility, why alternatives that might minimize or completely avoid adverse impact to the Riverfront Area, Floodplain, the Buffer Zone, and/or any other resource area are not being proposed. At a minimum there must be discussion of the alternative for no alteration.

The following items are required for Site Plans submitted with a Bylaw application; however, if the Applicant considers that the information is not relevant to the scope or scale of the proposed project, a Waiver(s) of requirements must be requested at the time of filing the application with the Conservation Commission.



**TOWN OF WAYLAND**  
**Conservation Commission**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

**Site Plan Minimum Requirements**

The following shall be included on the Site Plan:

- Stamp of a Professional Engineer (P.E.) and/or a Professional Land Surveyor (P.L.S.) depending upon proximity to lot lines or project complexity.
- OR**
- Stamp of a Registered Sanitarian (R.S.) is acceptable for designs of septic systems handling less than 2,000 gallons per day, with incidental site work.
- Grade elevations based on National Geodetic Vertical Datum (NGVD). Grade contours in the area of work shall be provided with at least 1-foot intervals. *ASSUMED DATUM*
- Plan Scale: 1 inch = 10 feet or 1 inch = 20 feet.
- Wetlands flagging with letters and/or numbers as defined in the field.
- Date that wetlands flagging was done and name of the wetland delineator (if GIS was used to wetlands, then include the GIS source.)
- Site Plans must clearly show existing conditions and proposed conditions, utilities, impervious surfaces, limit of lawn, trees greater than 6 inches in diameter proposed for removal, significant land features such as rock outcroppings, all Resource Areas (differentiate each) including Buffer Zone. *Note: It may be more comprehensible to submit two plans: an existing conditions plan and a proposed conditions plan.*
- N/A* Site plans must detail the permanent demarcation of the limit of lawn with minimum 30' offset from resource area for new construction, and minimum average 15' offset for existing dwellings.
- Locations and identifiers for all test pit locations.
- A cross-section of grading and profile for proposed septic systems.
- Locations for temporary stockpiles or storage of soils or demolition debris during construction.
- Access route for construction equipment and construction entrance location details.
- Location of erosion control barrier(s).
- Detail for installation of erosion control barrier(s).
- Location for refueling of equipment. (Outside buffer zone strongly preferred)
- N/A* Locations designated for snow storage, if necessary.
- N/A* Pre/Post-Construction Lot Coverage Summary for areas within by-law jurisdiction: a) Total lot area; b) total impervious area (Note: Impervious areas shall include, but are not limited to, roofs, decks, walks, and driveways); c) total landscaped/lawn area; and d) total area altered during construction (including temporary impacts).





**TOWN OF WAYLAND**  
**Conservation Commission**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

**Drainage Requirements**

The Commission seeks to protect water quality of surface waters and groundwater, and to limit any increase in the rate or quantity of runoff of storm water from the property.

*NTA* For projects adding less than or equal to 500 square feet of impervious area, a narrative description of specific measures used to provide for infiltration of runoff equivalent to runoff this additional impervious area. Those measures must be clearly depicted on the Site Plan as a specification.

OR

*NTA* For projects adding more than 500 square feet of impervious area,

- A narrative discussion of the methods and all assumptions used in the drainage calculations
- A plan showing drainage catchment areas
- Supporting calculations (i.e. HydroCAD) stamped by a P.E.
- Summary tables presenting Pre/Post Construction Storm Water Runoff Rates and Volumes for a 1-inch storm event, a 10-year, and a 100-year storm events. Note: Rainfall of at least 8 inches in 24 hours must be used for 100-year storm event.
- Compliance with DEP's Stormwater Management Standards.

*NTA* Narrative description of structural and non-structural best management practice (BMP) (See "Definitions), controls for storm water management for the project during construction phases and for long term site management:

- Evaluation of BMP selection and factors of site suitability including: soils, drainage area, depth to water table, depth to bedrock, slopes and proximity to wells and foundations
- Discussion of construction phasing
- Relevant site characterization data for design
- Water quality calculations for total suspended solids (TSS) removal
- Calculated storm water recharge rate
- Calculated peak discharge rate

*NTA* Maintenance requirements and site inspections templates for BMPs must be specified. Operation and Maintenance (O&M) plans for Stormwater shall be submitted with the application describing short-term BMPs (during construction) and long-term BMPs (post-construction) for management of the drainage structures, roadway and/or parking lot (as applicable) including but not limited to sweeping; catch basin cleaning; snow storage and erosion controls, such as hay bales or sediment fences. The drainage components (Best Management Practice – BMP) shall be as described using terminology in the most recent version of the DEP Storm water Technical Handbook, March 1997. A Plan for protecting the post-construction BMPs during construction shall be include in the O&M Plan.

- Aquifer Protection District – If the project is within this area, a narrative description of how the project complies with aquifer protection requirements.



**TOWN OF WAYLAND**  
**Conservation Commission**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

**Soils Information**

Septic Systems or Drainage BMPs (where applicable) - Clear statement of how many test pits or borings were conducted for the project planning and engineering evaluations and what number and types of analytical methods may have been applied for soils characterization including visual evaluation, percolation tests, field screening, and laboratory analyses.

Septic Systems and/or applicable drainage BMP - Copies of all soil data including boring and/or test pit logs.

Wetland field data forms that document observations made during the wetland delineation including soil or test pit logs.

**Waivers**

In the event that Applicant considers certain required information to be, in their opinion, not relevant to the scope or scale of the proposed project Applicant may request a Waiver of the requirements with this application to the Conservation Commission. Indicate all provisions requested for Waiver below designating the specific paragraph number/letter designation.

Site Plan Minimum Requirement Waiver(s)  None  List \_\_\_\_\_

Drainage Requirement Waiver(s)  None  List \_\_\_\_\_

Soils Information Waiver(s)  None  List \_\_\_\_\_

If applicable, attach a statement for justification of the requested waivers.

In the event that any requested Waiver is not granted by the Commission or the application is otherwise found to be deficient in providing required information the hearing may at the discretion of the Commission either be closed and denied for the lack of information or continued for a specific timeframe approved by the Commission for the Applicant to submit the required information.

The Commission has authorized its Administrator to review projects and to not accept project applications under the Bylaw that have apparent deficiencies to meeting the above requirements. Notwithstanding that authority, acceptance of an application by the Administrator does not represent a decision that the application is fully complete. Deficiencies identified by the Administrator will be report to the applicant and the Commission during the hearing.

The property owner, as well as the applicant and/or representative (if different from owner) must sign this checklist and all other applicable applications. The property owner, by signing this checklist and the applications, acknowledges that the Commission and Staff may enter the property to inspect the premises as part of the assessment of the application.

James Gerard

Property Owner's Name (Print)

4/2/2021

Property Owner's Signature

Date

I certify under penalty of law that this document and all its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

ALIAN C PIVA

Applicant's Name (Print)

Applicant's Signature

Date



# WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## A. General Information

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Allan & Carol Price  
Name cmprice221@hotmail.com  
E-Mail Address

3 Superior Drive, Apt 337  
Mailing Address

Natick  
City/Town MA  
State 01760  
Zip Code

508-868-9924  
Phone Number Fax Number (if applicable)

2. Representative (if any):

Doucette Engineering, Inc.  
Firm

Ted Doucette  
Contact Name doucette.engineering@comcast.net  
E-Mail Address

152 Whitcomb Ave  
Mailing Address

Littleton  
City/Town MA  
State 01460  
Zip Code

978-621-2138  
Phone Number Fax Number (if applicable)

## B. Determinations

1. I request the Wayland Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance or bylaw** of:

Wayland  
Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



# WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

## C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

119 Draper	Wayland
Street Address	City/Town
12	4
Assessors Map/Plat Number	Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

Residential home on Draper Road requiring an upgrade of their septic system.

- c. Plan and/or Map Reference(s):

Sewage Disposal System Upgrade Design 119 DRaper Road, Wayland, Massachusetts rev 22MAR21	10FEB21
_____	Date

Title	_____	Date
-------	-------	------

Title	_____	Date
-------	-------	------

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Remove and replace a failed septic system with a Title 5 Compliant system - see narrative.



## WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

### C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

---

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

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**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

Wayland  
City/Town

**WPA Form 1- Request for Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**D. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

119 Draper LLC

Name

2 Candleberry Lane

Mailing Address

Weston

City/Town

MA

State

02493

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

Date

Signature of Representative (if any)

Date



---

**NARRATIVE**  
**Request for Determination of Applicability – 119 Draper Road, Wayland**  
**May 6, 2021**

This narrative is provided to support the Request for Determination of Applicability filing for 119 Draper Road and to provide sufficient information to fully describe the project.

The following plans and drawings are submitted with this application.

Septic Design Plan – Subsurface Disposal System Upgrade Design for 119 Draper Road, Wayland, Massachusetts, Doucette Engineering, dated 10FEB2021, Rev 1 22MAR2021, Ted P. Doucette, P.E.

Conservation Plan – Request for Determination of Applicability for 119 Dudley Road, Wayland, Massachusetts. Doucette Engineering dated 06MAY2021

**Existing Conditions**

The property is a single-family house lot with an area 175,824 sf. The lot consists of a house, with a paved driveway, and enclosed porch and small patio. The parent material is glacial till with ledge outcrops and shallow depth to ledge in much of the property. There is an intermittent stream to the northeast and east, with an associated bordering vegetative wetland. The existing septic system includes a septic tank, that discharges to a pump chamber that has been converted so that the water flows through by gravity to an unknown soil absorption system.

**Applicant:**  
Allan & Carol Price  
3 Superior Drive, Apt 337  
Natick, MA 01760

**Owner:**  
119 Draper LLC – James Gerard, manager  
2 Candleberry Lane  
Weston, MA 02493

**Nearby Resources**

The nearby resource in the intermittent stream and associated bordering vegetative wetland.

**Proposed project**

The proposed project includes replacing the failed septic system with a new Title 5 compliant system; this work will take place mostly more than 50 feet from the resource area. The soil absorption system includes a pump chamber to a distribution box and Presby EnviroSeptic soil absorption system. A portion of the force main will be within 50 feet of the wetland. Much of the lot was tested for the soil absorption system, but ledge was found to be at shallow depth in most areas, the current proposed location is the only feasible location found on the lot. The proposed system will be an improvement over the existing conditions as the Presby EnviroSeptic has been found to provide additional treatment, will be further from the resource area, and will have sufficient treatment.

**Compliance with the Wetlands Protection Act**

The work within the buffer zone will be 50 - 100 feet from the resource area. The proposed soil absorption system is located as far as possible from the resource area. The area will be restored to lawn to prevent erosion and to have the same runoff as pre-construction conditions.

**Alternatives**

No-action alternative: The current system will not pass Title 5.

Proposed alternative – Replace non-compliant system with a Title 5 compliant system, this is the only alternative as described above the property has ledge and this system provides better treatment..

**Best Management Practice** – there will be no increase in stormwater runoff.

**Soil Information** The test pit information is provide on the plan .

**Aquifer Protection District** – This project complies with Article 16 Aquifer Protection District as it does not consist of prohibited uses.



**Town of Wayland**  
 41 COCHITUATE ROAD  
 WAYLAND MASSACHUSETTS 01778  
 www.wayland.ma.us TEL. 508-358-3788

WAYLAND ASSESSORS  
 RCVD 2021 APR 9 AM 11:34

OFFICE STAFF  
 Ellen M. Bridesau, Assessing Director  
 Denise Ellis, Assistant Assessor  
 Jessica Merchant, Administrative Assessor  
 Savitri Ramgoolam, Department Assistant

BOARD OF ASSESSORS  
 Susan Rufo, Chairperson  
 Jayson Brodie, Vice Chairman  
 Molly Upton  
 Zachariah L. Ventres

**LIST OF ABUTTERS  
 REQUEST FOR CERTIFICATION**

PLEASE ALLOW 10 BUSINESS DAYS FOR A LIST TO BE CERTIFIED BY ASSESSORS PER MGL CH. 86B, S.10  
 LISTS ARE CERTIFIED ON A "FIRST COME, FIRST SERVED" BASIS PLEASE PLAN YOUR SUBMISSION ACCORDINGLY

Date of request 29 MAR 2021 Telephone: 978-021-2128  
 Name Of Applicant ALAN PAICE BATED Signature of Applicant [Signature]  
Please Print  
 Company's Name DOUGUTE ENGINEERING  
 Mailing Address 152 WHIRWIND AVE LITTLETON MA 01460  
 Location of Property 119 DEAPER RD  
To Be Certified  
 Map Number 12 Parcel 4

\*\*\*Please check with the Board/Commission for their guidelines, each Board/Commission has its own regulations for their abutters listing.

This is to certify that at the time of the last assessment for taxation made by the Town of Wayland, the names and addresses are the assessed owners to these parcels.

Certified By: [Signature] Date: 4/12/21

CC:  Conservation  Board Of Health  Other \_\_\_\_\_



# 100 foot Abutters List Report

Wayland, MA  
March 29, 2021

## Subject Property:

Parcel Number: 12-004  
CAMA Number: 12-004  
Property Address: 119 DRAPER RD

Mailing Address: PRICE ALLAN C CAROL M PRICE  
119 DRAPER RD  
WAYLAND, MA 01778

## Abutters:

Parcel Number: 12-003  
CAMA Number: 12-003  
Property Address: 123 DRAPER RD

Mailing Address: MELVIN DAVID MELVIN CARRIE T/E  
123 DRAPER RD  
WAYLAND, MA 01778 ✓

Parcel Number: 12-006  
CAMA Number: 12-006  
Property Address: 69 HIGHLAND CIR

Mailing Address: LEINBACH MICHELLE TRAVIS ROBERT  
T/E  
69 HIGHLAND CIR  
WAYLAND, MA 01778 ✓

Parcel Number: 12-019  
CAMA Number: 12-019  
Property Address: 107 SEARS RD

Mailing Address: ATHAN LAWRENCE L JR ATHAN  
ELIZABETH T  
107 SEARS RD  
WAYLAND, MA 01778 ✓

Parcel Number: 12-020  
CAMA Number: 12-020  
Property Address: 108 SEARS RD

Mailing Address: GRUBER CRAIG W GRUBER HEATHER  
D T/E  
108 SEARS RD  
WAYLAND, MA 01778 ✓

Parcel Number: 16-028  
CAMA Number: 16-028  
Property Address: 115 DRAPER RD

Mailing Address: BROWN JUSTIN M BROWN KAREN  
SHIELDS T/E  
115 DRAPER RD  
WAYLAND, MA 01778 ✓



www.cai-tech.com

3/29/2021

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

Page 1 of 1

**Notification to Abutters Under the  
Wetlands Protection Act**

In accordance with Chapter 194 of the Town of Wayland Bylaws you are hereby notified of the following.

- A. The name of the applicant is the current owner Allan & Carol Price.
  - B. The applicant has filed Chapter 194 application with the Wayland Conservation Commission for permission to alter an Area Subject to Protection Under the Wayland Wetlands and Water Resources Protection Bylaw.
  - C. The lot where the activity is proposed is 119 Draper Road; Map 12 Lot 4
  - D. The proposed activity is to upgrade a failing septic system with the work being proposed more than 50 feet from the resource area.
  - E. A public hearing will be held on May 26, 2021.
  - F. Due to the Commonwealth and Town of Wayland's Covid-19 Emergency Response, it is anticipated that paper copies of the submitted material will not be available for distribution, contact the Wayland Conservation Department for information on the availability of on-line documents.
  - G. For more information, call the Wayland Conservation Commission: 508-358-3669, or the applicant's engineer, Ted Doucette at 978-621-2138.
  - H. Electronic copies of the correspondence and plans may be obtained by calling 978-621-2138 between the hours of 9:00 a.m. and 4:00 p.m. Monday - Friday (Fee for hardcopy is \$25.00).
  - I. Information regarding the date, time, and place of the public hearing may be obtained from the Wayland Conservation Department by calling 508-358-3669 between the hours of 8:00 a.m. and 7:00 p.m. Monday, 8:00 a.m. to 4:00 Tuesday through Thursday, and 8:00 a.m. to 12:30 Friday.
  - J. Notice of the Public Hearing including the date and time will be published at least five days in advanced in the Wayland Town Crier or MetroWest Daily News.
- As of this mailing, the hearing is scheduled for May 26, via zoom, contact the town clerk or conservation department for details to enter the hearing. Notice of the public hearing, including its date, time, and place, will be posted outside of Town Hall and online at the Board of Health's website not less than forty-eight (48) hours in advance.

**doucette.engineering@comcast.net**

---

**From:** MacCaughey, Darren <dmaccaughey@wayland.ma.us>  
**Sent:** Friday, April 16, 2021 9:36 AM  
**To:** 'doucette.engineering@comcast.net'  
**Cc:** cmprice221@hotmail.com; White, Patti  
**Subject:** 119 Draper Approved

**Importance:** High

Hey Ted,

119 Draper is all approved, the owner or authorized agent thereof, may coordinate with Patti to sign for and pick up the approved plans.

Thank you.

Sincerely,

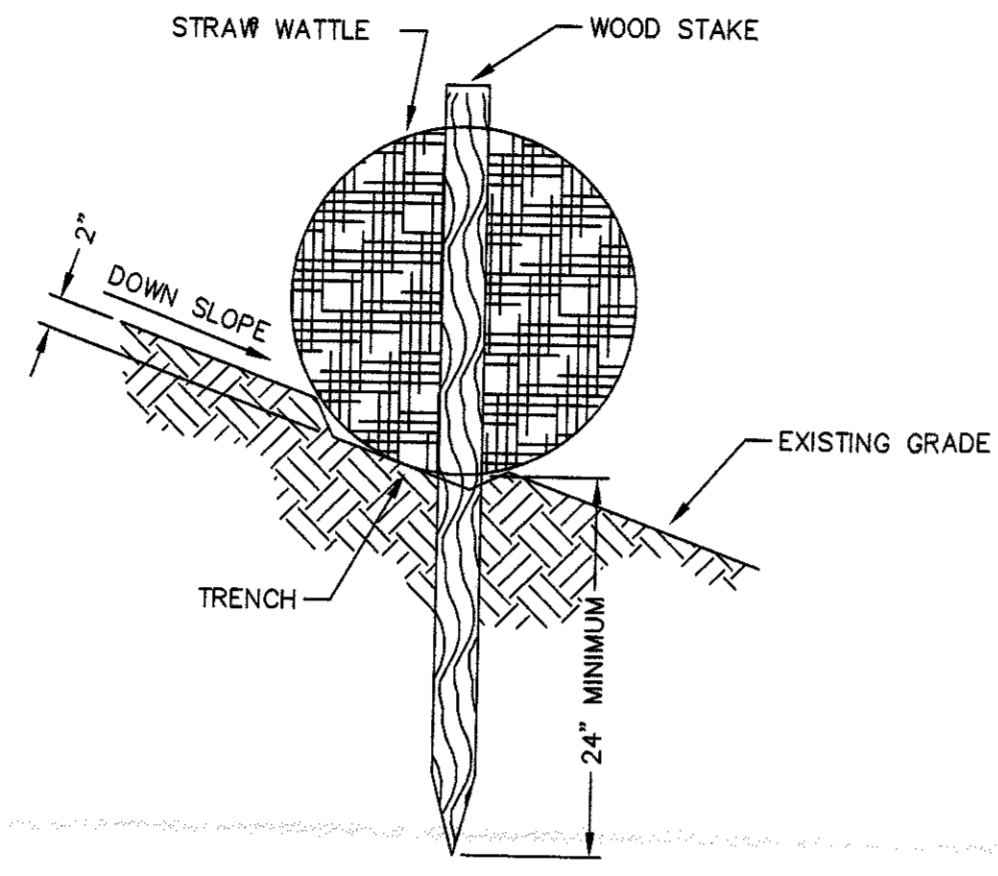
Darren

Darren R. MacCaughey  
Health Agent/Sanitarian  
Wayland Health Department  
dmaccaughey@wayland.ma.us  
(508) 358-3617



**PROPERTY INFORMATION**  
 OWNER OF RECORD: 119 DRAPER LLC, JAMES GERARD, MANAGER  
 2 CANDLEBERRY LANE  
 WESTON, MA 02483  
 MAP ID 4D1971/2-6 LOT AREA: 175,824 +/- SF  
 ZONING DISTRICT: R60  
 LOCAL BOARD OF HEALTH: TOWN OF WAYLAND  
 THIS PROPERTY IS NOT LOCATED WITHIN ZONE II  
 THIS PROPERTY IS NOT LOCATED WITHIN THE 10-YEAR FLOOD PLAIN  
 THIS PROPERTY IS NOT LOCATED WITHIN A NHESP PRIORITY HABITAT  
 THIS PROPERTY IS NOT LOCATED IN WAYLAND WATER RES PROTECTION DISTRICT  
 DOMESTIC DRINKING WATER SUPPLIED BY TOWN OF WAYLAND  
 THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL  
 THIS PROPERTY IS LOCATED IN THE AQUIFER PROTECTION DISTRICT

- 9S EXISTING CONTOUR
- 99 PROPOSED CONTOUR
- E BURIED ELECTRIC (EX)
- E BURIED ELECTRIC (PROP)
- W DOMESTIC WATER LINE (EX)
- W DOMESTIC WATER LINE (PROP)
- V VENT (EX)
- V VENT (PROP)
- RESIDENTIAL PROPANE LINE (EX)
- FM FORCEMAIN
- OHW OVERHEAD WIRE (EX)
- OHW OVERHEAD WIRE (PROP)
- G GAS SERVICE (EX)
- G GAS SERVICE (PROP)
- RD ROOF DRAIN (PROP)
- STONE WALL
- PROPERTY LINE (APPROX)
- EDGE OF PAVEMENT (EX)
- EDGE OF PAVEMENT (PROP)
- FENCE
- LIMIT OF WORK
- 101.10x EROSION CONTROL/STRAW WATTLE
- (101.10)x PROPOSED SPOT GRADE
- SPOT GRADE TO REMAIN
- D-TH-2 DEEP TEST HOLE
- PERCOLATION TEST
- TEMPORARY BENCH MARK
- CONFIRMATORY TEST HOLE
- SURVEY CONTROL DO NOT DISTURB
- GAS CURB BOX
- GAS METER
- WATER SERVICE
- PROPANE TANK



**EROSION CONTROL DETAIL**

**WETLAND NOTES:**  
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PERMIT ISSUED BY THE WAYLAND CONSERVATION COMMISSION  
 2. STRAW WATTLES SHALL BE HDPE PHOTODEGRADABLE NETTING FILLED WITH AN ORGANIC MEDIA CONSISTING OF AGRICULTURAL STRAW. FILL MATERIAL SHALL BE 100% CHOPPED AGRICULTURAL STRAW WEIGHING APPROXIMATELY 2 LBS/FOOT.  
 3. STRAW WATTLE DIMENSIONS:  
 DIAMETER 9"  
 LENGTH 25 feet  
 WEIGHT 50 pounds  
 4. STRAW WATTLE INSTALLATION: WATTLES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. WATTLES WILL BE STAKED AT NO MORE THAN 5' INTERVALS (6 STAKES PER WATTLE) OR ADDITIONAL STAKES AS NECESSARY TO MAINTAIN INTIMATE CONTACT WITH THE GROUND.  
 5. STRAW WATTLES SHALL MEET THE ABOVE SPECIFICATIONS, BE 9" STRAW WATTLE BY NEW ENGLAND STRAW WATTLE OR APPROVED EQUAL.  
 6. NO FILL SHALL BE STOCKPILED OR PLACED WITHIN 100 FEET OF THE WETLAND.  
 7. EROSION CONTROL  
 8. THE WETLAND RESOURCE AREA WAS DELINEATED BY LEAH BASBANES ON 1/31/21  
 9. THERE SHALL BE NO DISPOSAL OR BURIAL OF CONSTRUCTION DEBRIS WITHIN 100 FEET OF THE WETLAND. ANY DEBRIS THAT ENTERS THE RESOURCE AREA SHALL BE REMOVED BY HAND.  
 10. EQUIPMENT SHALL NOT BE FUELED WITHIN 100 FEET OF THE RESOURCE AREA.  
 11. THE SEQUENCE OF CONSTRUCTION SHALL BE AS FOLLOWS  
 INSTALL EROSION CONTROLS  
 REMOVE EXISTING TANK, INSTALL PROPOSED TANK PUMP CHAMBER  
 CONSTRUCT THE SOIL ABSORPTION SYSTEM  
 GRADE, SPREAD LOAM, SEED  
 REMOVAL OF EROSION CONTROLS SHALL ONLY BE COMPLETED WHEN SUFFICIENT VEGETATION HAS GROWN TO PREVENT EROSION OF LOAM.  
 12. RESTORATION SHALL INCLUDE SPREADING AT LEAST 4" OF LOAM AND SEEDED WITH A SUITABLE LAWN MIXTURE OR OTHER PERVIOUS TREATMENT.

**SOIL EVALUATION:**  
 THE SOIL EVALUATION WAS CONDUCTED ON JANUARY 12, 2021 BY TED P. DOUCETTE, AND WAS WITNESSED BY DARREN MAJCOCAUGHEY, KS, WAYLAND HEALTH AGENT

**DEEP TEST HOLE LOGS:**

DTH-1 (EL = 100.35)  
 0' - 48" F/A FILL  
 48" - 96" C LOAMY SAND 10YR4/3  
 LEDGE AND RIP ROCK PRESENT IN C LAYER  
 REDOXIMORPHIC FEATURES FOUND AT 56"  
 NO SEEPING, NO STANDING WATER  
 ESHGW = 100.35 - 4.67  
 = 95.68

DTH-2 (EL = 99.17)  
 0' - 28" F FILL  
 28" - 36" A SANDY LOAM 10YR3/3  
 36" - 42" B SANDY LOAM 10YR4/1  
 42" - 72" C SANDY LOAM 10YR5  
 REFUSAL (LEDGE) AT 72"  
 REDOXIMORPHIC FEATURES FOUND AT 64"  
 NO SEEPING, NO STANDING WATER  
 ESHGW = 99.17 - 5.33  
 = 93.84

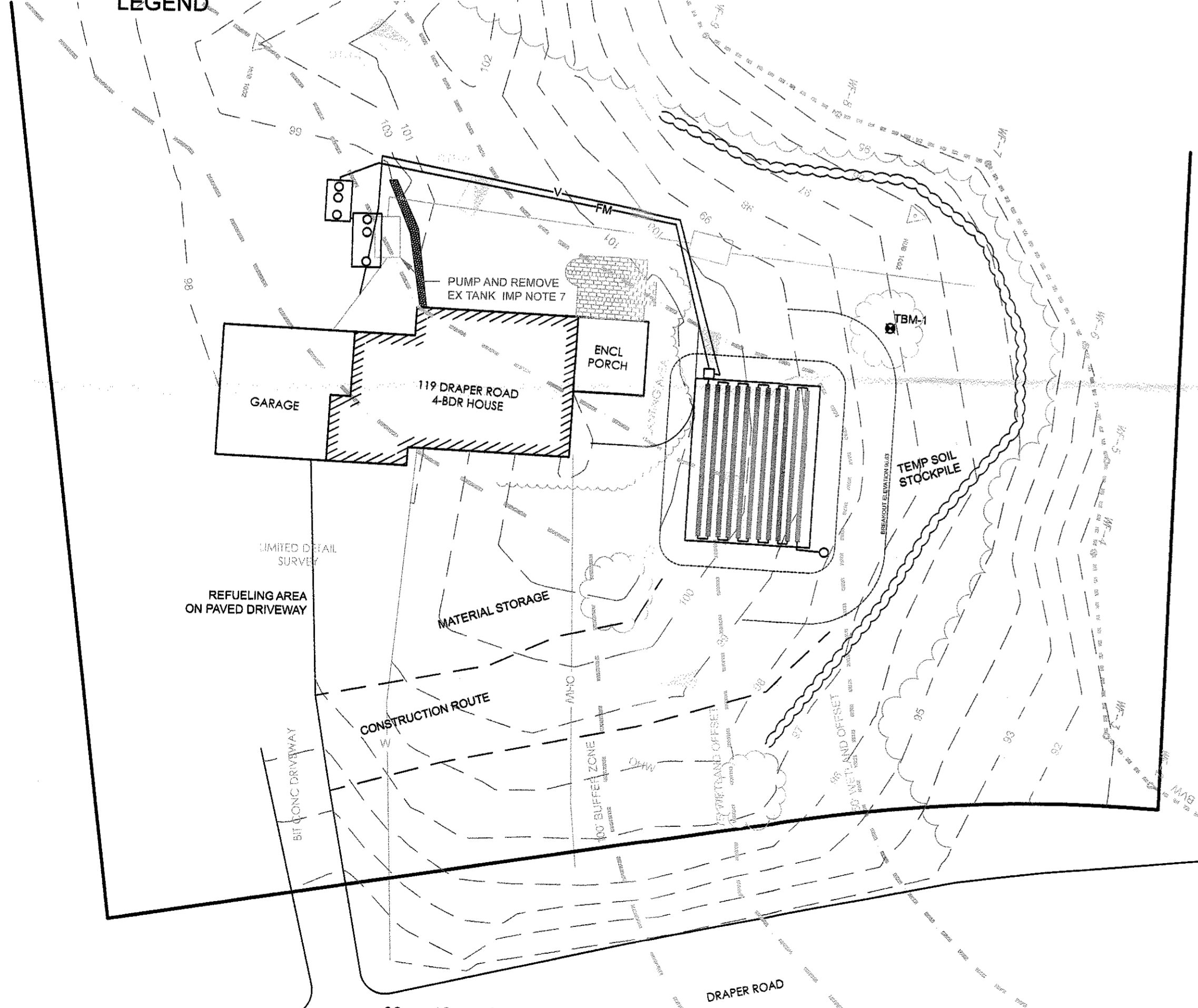
DTH-3 (EL = 101.12)  
 0' - 18" F FILL  
 18" - 22" A SANDY LOAM 10YR3/3  
 22" - 40" B SANDY LOAM 10YR6/1  
 REFUSAL (LEDGE) AT 40" EL 98.69  
 REDOXIMORPHIC NOT RECORDED DUE TO INSUFFICIENT NATURALLY OCCURRING MATERIAL

DTH-4 (EL = 101.29)  
 0' - 12" F/A FILL  
 12" - 20" B SANDY LOAM 10YR4/1  
 22" - 32" C SANDY LOAM 10YR6/1  
 REFUSAL (LEDGE) AT 32" EL 98.62  
 REDOXIMORPHIC NOT RECORDED DUE TO INSUFFICIENT NATURALLY OCCURRING MATERIAL

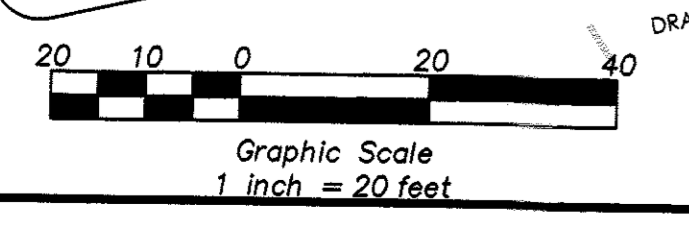
DTH-5 (EL = 100.78)  
 0' - 36" F FILL/SAS  
 36" - 84" C SANDY LOAM 10YR6/1  
 LEDGE AND RIPROCK PRESENT IN C LAYER  
 REDOXIMORPHIC FEATURES FOUND AT 60"  
 NO SEEPING, NO STANDING WATER  
 ESHGW = 100.78 - 5.07  
 = 95.78

**PERCOLATION TEST**  
 DUE TO SOIL CONDITIONS INCLUDING ROCK A PT COULD NOT BE CONDUCTED, A SAMPLE WAS COLLECTED FOR ANALYSIS. REFER TO REPORT GTX-313069 GEOTEESTING EXPRESS. CLASSIFICATION: SANDY LOAM  
 LTAR = 0.33 GPD/SF - 30 MIP EQUIVALENT  
 CONVENTIONAL TITLE 5 OFFSET FROM GW = 4.0'  
 PRESBY OFFSET REDUCTION = 2.0'  
 REQUIRED OFFSET FROM GW = 2.0'

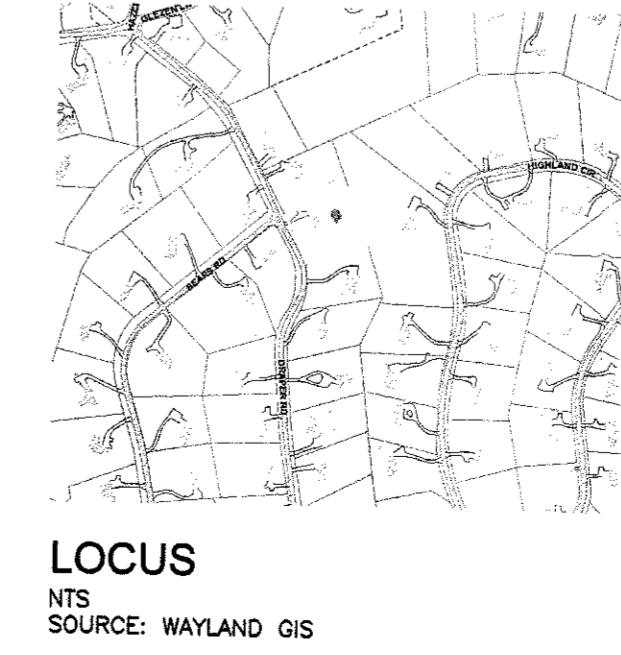
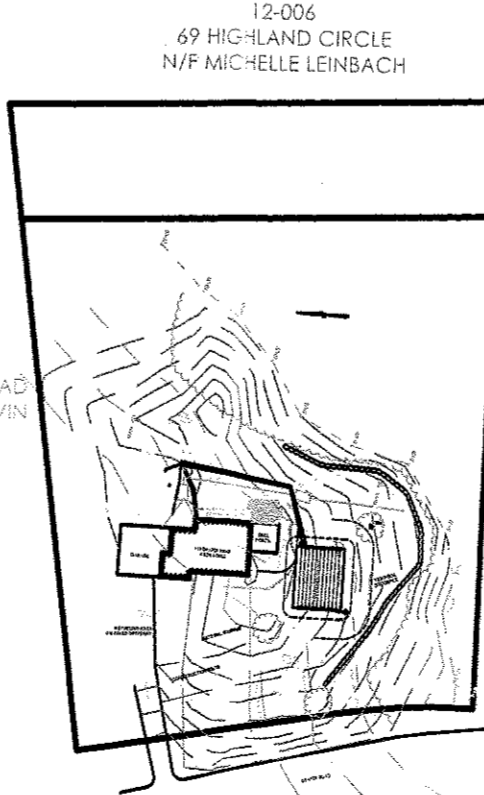
**LEGEND**



**LAYOUT PLAN**



- ABBREVIATIONS:**
- ASB AS-BUILT
  - BW BOTTOM OF WALL
  - BOH BOARD OF HEALTH
  - CB CATCH BASIN
  - CF CUBIC FEET
  - CONC CONCRETE
  - DMH DRAIN MANHOLE
  - EX EXISTING
  - ESHGW ESTIMATED SEASONAL HIGH GROUND WATER
  - EL ELEVATION
  - FEE FINISHED FLOOR ELEVATION
  - INV INVERT
  - LF LINEAR FEET
  - PROP PROPOSED
  - SAS SOIL ABSORPTION SYSTEM
  - SYS SYSTEM
  - TOP TOP OF FOUNDATION
  - TW TOP OF WALL
  - TYP TYPICAL
  - VIF VERIFY IN FIELD

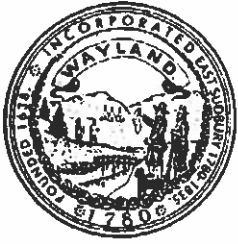


**Request for Determination of Applicability Plan for  
119 Draper Road, Wayland, Massachusetts**

 <b>DOUCETTE ENGINEERING, INC.</b> 152 Whitcomb Avenue, Littleton, Massachusetts 01460 978.621.2138 = doucette.engineering@comcast.net www.doucetteengineering.com	Date: 06MAY2021
	Scale: as noted
	Sheet 1 of 1
	Drawn by: TPD
Revisions:	Drawing number: 2021 - 107A







TOWN OF WAYLAND  
MASSACHUSETTS  
01778

RECEIVED  
MAY 10 2021  
WAYLAND CONSERVATION COMMISSION

CONSERVATION COMMISSION

TOWN BUILDING  
41 COCHITUATE ROAD  
TELEPHONE: (508) 358-3669  
FAX: (508) 358-3606

CHAPTER 193 APPLICATION  
Stormwater Management and Land Disturbance Bylaw

A. General Information

1. Project Location

22 Hidden Springs Lane

Wayland

01778

a. Street Address

b. City/Town

c. Zip code

Map 19, Lot 81C

d. Parcel/ Lot Number

2. Applicant:

Michael

Rinehart

a. First Name

b. Last Name

22 Hidden Springs Lane

c. Street Address

Wayland

MA

01778

949-887-8082

d. City

e. State

f. Zip Code

g. Work/ Cell Phone #

Mike.Rinehart@masselec.com

h. Email Address

3. Property Owner (required if different from applicant):

Same as applicant

a. First Name

b. Last Name

c. Street Address

d. City

e. State

f. Zip Code

g. Work/ Cell Phone #

h. Email Address



**4. Representative (if any):**

Vito

Colonna, PE

a. First Name

b. Last Name

Sullivan Connors & Associates, Inc

c. Company

121 Boston Post Road

c. Street Address

Sudbury

MA

01776

508-393-9727

d. City

e. State

f. Zip Code

g. Work/ Cell Phone #

vc@csei.net

h. Email Address

**5a. Project Type Checklist (check all that applies):**

1.  Creation of new or increasing existing impervious surface of 500 sq. ft. or more.

Impervious Surface: Is any material or structure on or above the ground that prevents water infiltration to the underlying soils. Impervious surface includes without limitation roads, paved parking lots, sidewalks, stone patios, decking, and rooftops.

2.  Alteration and/or land disturbance of at least 5,000 sq. ft. or 10% of the parcel; whichever is less.

Alteration and/or land disturbance as defined in Chapter 193 Bylaw.

**5b. General Project Description:**

Construction of a proposed in-ground pool and patio at 22 Hidden Springs Lane.

**B. Additional Information**

By submitting an application for coverage under the Stormwater Management and Land Disturbance Permit, the Applicant agrees to the following:

1. At a minimum, the proposed project complies with the performance standards of the most recent version of the Massachusetts Stormwater Management Handbook including but not limited to:
  - a. Employing environmentally sensitive site design
  - b. Evaluation of Low Impact Development practices
  - c. Incorporation of source controls of contaminants and employing BMPs to minimize stormwater pollution
  - d. Sizing of water quality volume of BMPs are based on 1-inch of runoff
  - e. Methodology for hydrologic analyses (if necessary) is based on TR-55/TR-20 methodology
  - f. Designing redevelopment of existing sites must provide a net improvement to stormwater conditions at the site.
2. The activity shall not increase either the rate or volume of stormwater runoff leaving the site, nor shall it alter stormwater flow to any adjoining properties, public ways, or any wetland resource areas, unless otherwise permitted based on improvements over existing conditions.

Please check all that apply to this project:

- Roof drains emptying into dry wells/recharge basins (**existing**)
- Grassed swales constructed
- Porous pavement installed; \_\_\_\_\_ sq. ft.
- Water quality swale
- Rain barrels/cisterns for irrigation
- Other methods (please list/describe): \_\_\_\_\_

3. The Applicant shall provide and maintain Erosion and Sedimentation controls as necessary until the site is permanently stabilized. BMP's selected for erosion controls shall be chosen to minimize site disturbance from erosion control installation. As soon as the site is stabilized, such measures shall be removed.

Please check all that apply to this project:

- Sediment filter fence with either hay bales or straw wattles
- Mulch filled fabric sock
- Construction entrance
- Temporary vegetative cover – mulch, netting
- Permanent vegetative cover – hydro seeding, seeding, sodding
- Slope stabilization
- Retaining Walls
- Slope drains
- Other methods (please list/describe): \_\_\_\_\_

4. The Applicant shall ensure that the site and stormwater management systems are perpetually inspected and maintained to function as designed.

Please check all that apply to this project:

- Visual inspections by contractor
- Visual inspections by homeowner
- Operation and Maintenance Plan
- Maintenance contract for stormwater components
- Other methods (please list/describe): \_\_\_\_\_

5. Other Jurisdiction

- Massachusetts Wetlands Protection Act (310 CMR 10.00) and it's implementing Regulations
- Wayland's Wetlands and Water Resource Protection Bylaw – Chapter 194
- Subdivision Approval



- Board of Health Permit
- Special Permit or Site Plan Review
- Building Permit

**C. Fees**

Applicants must submit a \$100 application fee.

**D. Signatures and Submittal Requirements**

I certify that I have reviewed the design standards above and the information contained herein, including all attachments, is true, accurate, and complete to the best of my knowledge. Further, I grant the Wayland Conservation Commission and its authorized Agents permission to enter the property to review this application and make inspections before, during and after construction. I have included a check for the application fee of \$100.

*[Handwritten Signature]*  
 Signature of Applicant

5/5/21  
 Date

*[Handwritten Signature]*  
 Signature of Property Owner (if different)

5/5/21  
 Date

SULLIVAN, CANNON/CONNORSTONIE ENCS.  
 Signature of Representative (if any)

5/6/21  
 Date

**For Conservation Commission:**

Eight copies of the completed Stormwater Management and Land Disturbance Bylaw (Chapter 193), including plans and documents, and the bylaw fee payment, to the Conservation Commission by mail or hand delivery.



**TOWN OF WAYLAND**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

**CHAPTER 193 APPLICATION**  
**Stormwater Management and Land Disturbance Bylaw Checklist**

**Submittal Requirements:**

The applicant shall file eight copies of the completed application package to the Conservation Commission for a Stormwater Management and Land Disturbance Permit. The application package shall include:

Application form with original signatures of all owners and representatives.

Two copies of the completed application form

Two copies of 11x17 size site plans

One copy of a full size site plan.

All documents emailed to [nthomson@wayland.ma.us](mailto:nthomson@wayland.ma.us)

Number and size (dbh) of proposed trees to be removed. Replanting will be based on Replacement Tree and Shrub Schedule. - **NO TREES TO BE REMOVED**

Locus map showing location of the property.

Any and all applications fees (\$100 transmittal fee)

Stormwater Management and Land Disturbance Plan (per the Massachusetts Stormwater Management Regulations and Massachusetts Stormwater Management handbook as applicable for the scope of the project.)

Supporting Stormwater Management Report and engineering calculations (per the Massachusetts Stormwater Management Regulations and Massachusetts Stormwater Management handbook as applicable for the scope of the project.) The report must contain a narrative describing the project and how the project will comply with the Wayland Stormwater Management and Land Disturbance Bylaw. List any requested waivers and the reasons the standards cannot be met.

N/A  Stormwater Pollution Preventative Plan (SWPPP) if coverage is required under the U.S. EPA Construction General Permit, Multi-Sector Permit or an individual permit under the NPDES Phase II requirements.

Long-term Pollution Prevention Plan

Erosion and Sediment Control Plan

N/A  Stormwater System Operation and Maintenance Plan (O&M for existing BMP's included in previous approvals)

The property owner, as well as the applicant and/or representative (if different from owner) must sign this checklist and all other applicable applications. The property owner, by signing this checklist and the applications, acknowledges that the Commission and Staff may enter the property to inspect the premises as part of the assessment of the application.



Signature of Property Owner

5/5/21

Date

I certify under penalty of law that this document and all its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.



Signature of Applicant

5/5/21

Date

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# Sullivan, Connors & Associates

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## Land Surveying and Civil Engineering

Wayland Conservation Commission  
Town Building  
41 Cochituate Road

April 26, 2021

**Subject: Stormwater Management Permit Application - Pool Installation  
22 Hidden Springs Lane  
Wayland, MA**

Dear Commission Members,

On behalf of the applicant/owner, Michael Rinehart, Sullivan Connors & Associates is pleased to submit the enclosed Chapter 193 Application for a proposed pool and patio at #22 Hidden Springs Lane.

The subject site was created as part of an 8-lot subdivision known as "Hidden Springs Farm," and approved through the Planning Board in 2004. The lot was recently developed in 2017 under a Chapter 193 Stormwater Permit. That work had been completed and included construction of a single family house with associated site work, utilities, and drywell for the infiltration of roof water.

The approved design for Hidden Springs Lane included a complete drainage and stormwater management system including a collection system with deep sump catch basins, and a large subsurface detention/infiltration system. The detention/infiltration system consists of thirty three (33) concrete drywells having a 7 foot diameter and 6.7 foot depth each in a crushed stone bed (overall footprint of 77' long by 21' wide by 6.7' deep). This drainage system was sized to meet all of the MassDEP Stormwater Standards including mitigation of peak flow rates up to the 100 year storm event, treatment of runoff, and recharge to groundwater.

The drainage calculations and overall stormwater management system had accounted for the full build-out of the lots within the subdivision including provisions for future miscellaneous impervious areas. The remaining impervious area allocated for #22 Hidden Springs was 2,100 square feet of uncollected impervious areas to be located within the rear yard. The proposed patio design has been designed to meet this requirement limiting the impervious area to 2,100 square feet. Additional stormwater BMP's would not be required to mitigate or control stormwater flow rates. The only condition of the calculations was to install roof drain drywells, which was completed during the house construction phase and the as-built location has been provided on the plans. A copy of the drainage calculations have been attached for your review.

The required Sediment and Erosion Controls have been provided on teh plans to mitigate temporary impacts during construction.

If you have any question please contact this office at 508-393-9727.

Sincerely,  
Sullivan Connors & Associates, Inc.



Vito Colonna, PE



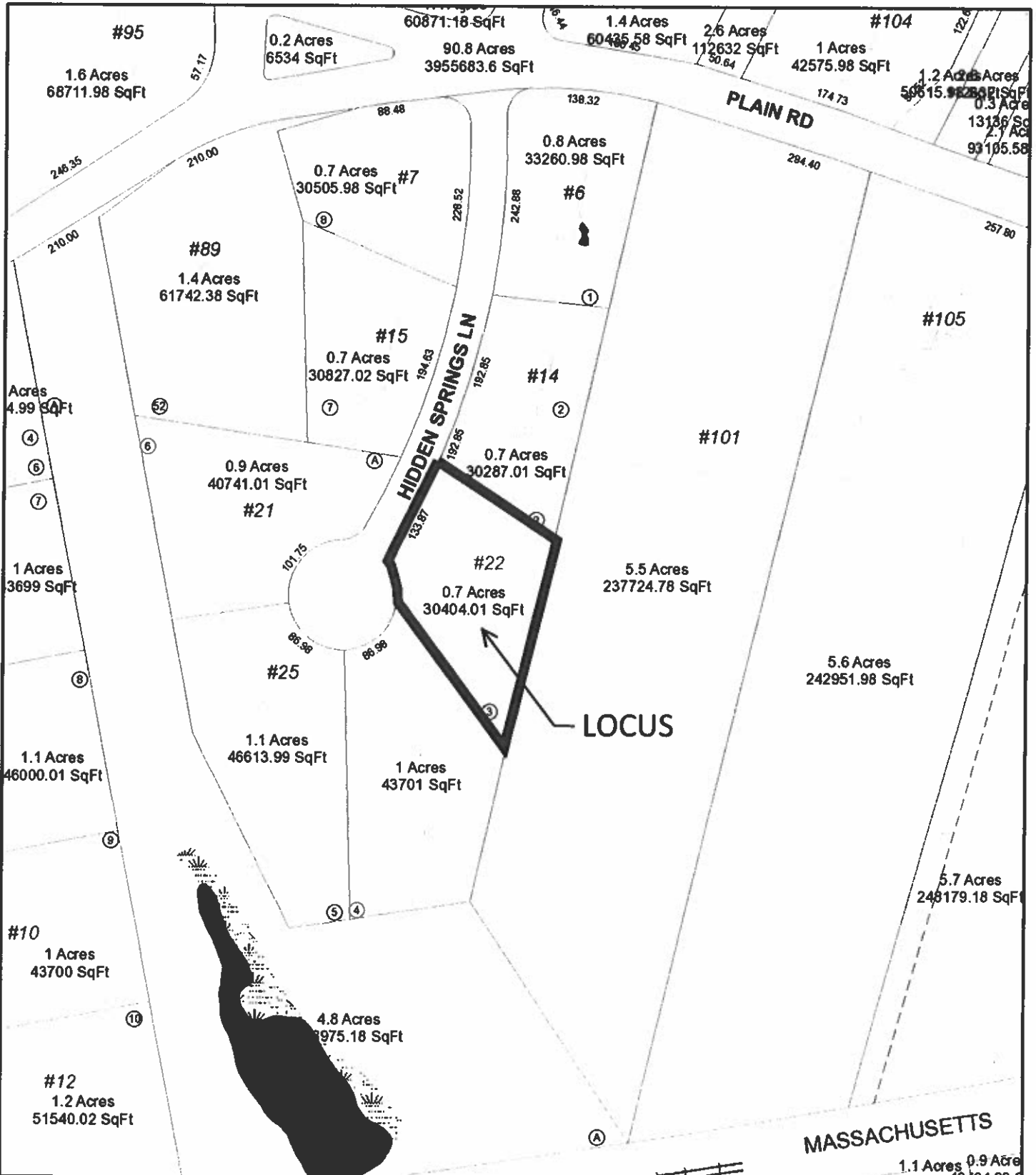
# 22 Hidden Springs Lane

Wayland, MA

1 inch = 150 Feet



April 26, 2021



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



## **MA D.E.P. STORMWATER STANDARDS REQUIRED DOCUMENTATION**

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### **Standard 1: No New Untreated Discharges**

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There are no new untreated discharges to any wetland resource area. All flow to the roadway drainage system and roof drywell is infiltrated up to the 100 year storm event.

### **Standard 2: Peak Rate Attenuation**

---

The analysis indicates the proposed project will not result in an increase in peak rate or volume of runoff for the 2-yr 10-yr, and 100-yr storm events. As noted in the narrative/cover letter, the approved design for Hidden Springs Lane included a complete drainage and stormwater management system including a large subsurface detention/infiltration system. This system was sized to meet all of the MassDEP Stormwater Standards including mitigation of peak flow rates up to the 100 year storm event, treatment of runoff, and recharge to groundwater.

The original calculations have been updated to include the actual proposed conditions for Lot 3 (and Lot 4). The calculations were performed with HydroCAD 9.10 Stormwater modeling Software, which utilizes Soil Conservation Service (SCS) Technical Release No. 20 (TR-20) and SCS Technical Release 55 (TR-55), Urban Hydrology for Small Watersheds.

The infiltration rate utilized in the design is based upon the field measured permeability rate of 60 inches per hour, and then dividing that value by two as an added factor of safety. The analysis shown the system has sufficient capacity and there would be no increase in runoff off-site.

Table 1: Peak Rate of Runoff

<b>Storm Event</b>	<b>2-year</b>	<b>10-year</b>	<b>100-year</b>
<b>Intensity</b>	<b>3.2 inches</b>	<b>4.8 inches</b>	<b>7.0 inches</b>
	<b>Existing (Proposed)</b>	<b>Existing (Proposed)</b>	<b>Existing (Proposed)</b>
<b>Analysis Point A East (rear) Property Line</b>	0.0 cfs (0.0 cfs)	0.0 cfs (0.0 cfs)	0.6 cfs (0.5 cfs)

Table 2: Volume of Runoff

<b>Storm Event</b>	<b>2-year</b>	<b>10-year</b>	<b>100-year</b>
<b>Intensity</b>	<b>3.2 inches</b>	<b>4.8 inches</b>	<b>7.0 inches</b>
	<b>Existing (Proposed)</b>	<b>Existing (Proposed)</b>	<b>Existing (Proposed)</b>
<b>Analysis Point A East (rear) Property Line</b>	0.0 ac-ft (0.0 ac-ft)	0.01 ac-ft (0.01 ac-ft)	0.14 ac-ft (0.09 ac-ft)

**Standard 3: Stormwater Recharge**

---

The proposed existing site drywell and overall stormwater management system had been designed to provide recharge of stormwater in excess of that required by Standard 3. Recharge has been provided through the existing roadway drainage system and on-site roof drain drywell, which have both been designed to infiltrate the entire 100 year storm event.

**Standard 4: Water Quality**

---

The proposed plan would not create any new impervious surfaces that would require treatment. The only impervious areas include patio areas.

**Standard 5: Land Uses With Higher pollutant Loads**

---

Not applicable - The proposed use is not classified as a land use with higher pollutant loads.

**Standard 6: Critical Areas**

---

Not applicable - The proposed use does not discharge to a critical area.

**Standard 7: Redevelopment**

---

Not applicable - The proposed is not a redevelopment.

**Standard 8: Construction Period Controls**

---

Construction period erosion and sedimentation controls have been provided on the design plans.

**Standard 9: Operation and Maintenance Plan**

---

An Operation and Maintenance Plan had been included with previous approvals. No new BMP's are proposed requiring an O&M plan.

**Standard 10: Illicit Discharges**

---

Based upon site observations made by Sullivan Connors and Associates, no illicit discharges have been observed on the site. All proposed sewerage flow shall be discharged to the proposed subsurface sewerage disposal system.

# Analysis PT. A



DATE: OCT. 20, 2017      SCALE: 1"=20'  
EXISTING DRAINAGE AREAS (2004)  
HIDDEN SPRINGS LANE  
WAYLAND, MA.

**SULLIVAN, CONNORS  
& ASSOCIATES**



DATE: OCT. 20, 2017      SCALE: 1"=20'

PROPOSED DRAINAGE AREAS (2017)  
HIDDEN SPRINGS LANE  
WAYLAND, MA.

**SULLIVAN, CONNORS  
& ASSOCIATES**



EA - Pre-Existing  
Conditions (2004)



Area Pa1



Proposed Total Flow  
Analysis Point A



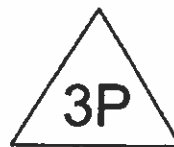
Area Pa1



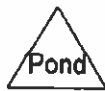
Infiltration System



Roof Area - Lot 3



Proposed Drywell





Summary for Subcatchment 1S: Area Pa1

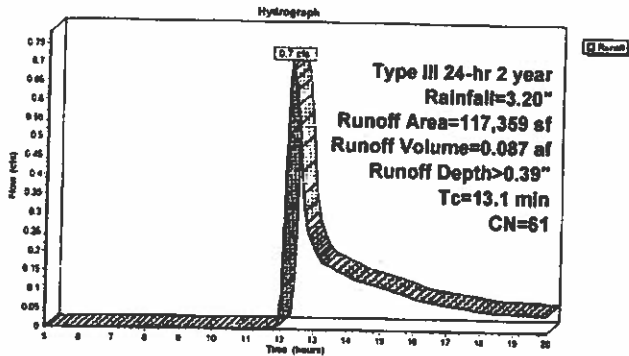
Runoff = 0.7 cfs @ 12.27 hrs, Volume= 0.087 af, Depth> 0.39"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
36,590	98	Roadway/Lot Development
64,489	39	Grass cover, Good, HSG A
2,900	98	Lot 3 Driveway/Walks
8,900	39	Lot 3 Lawn, Good, HSG A
3,800	98	Lot 4 Driveway/Walks
2,700	39	Lot 4 Lawn, Good, HSG A
117,358	61	Weighted Average
74,069		83.11% Pervious Area
43,290		36.89% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.1					Direct Entry, From original analysis

Subcatchment 1S: Area Pa1



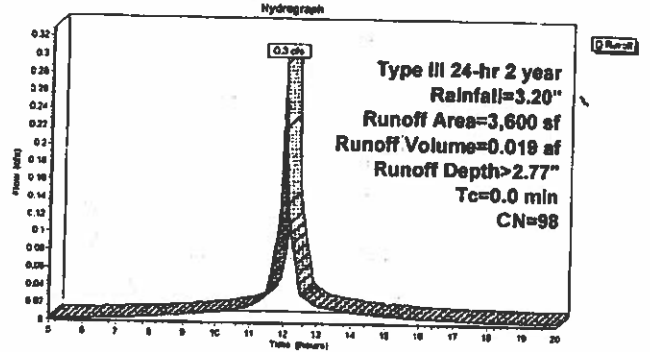
Summary for Subcatchment 2S: Roof Area - Lot 3

Runoff = 0.3 cfs @ 12.00 hrs, Volume= 0.019 af, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
3,600	98	Roof Top Area
3,600		100.00% Impervious Area

Subcatchment 2S: Roof Area - Lot 3



Summary for Subcatchment 4S: Area Pa2

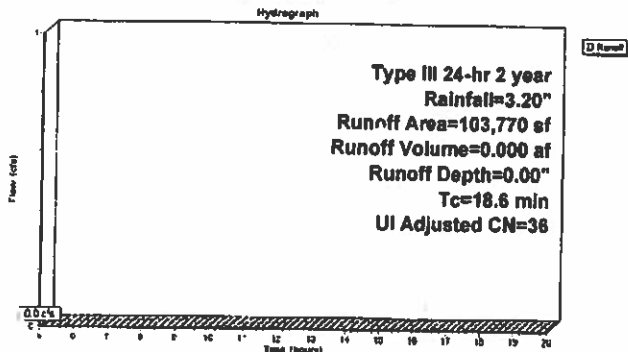
Runoff = 0.0 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
50,530	30	Woods, Good, HSG A
47,640	39	>75% Grass cover, Good, HSG A
2,100	98	Unconnected pavement, HSG A #22
3,600	98	Unconnected pavement, HSG A
103,770	38	Weighted Average, UI Adjusted CN = 38
98,170		94.60% Pervious Area
5,600		5.40% Impervious Area
5,600		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.6					Direct Entry, From original analysis

Subcatchment 4S: Area Pa2



Summary for Subcatchment 6S: EA - Pre-Existing Conditions (2004)

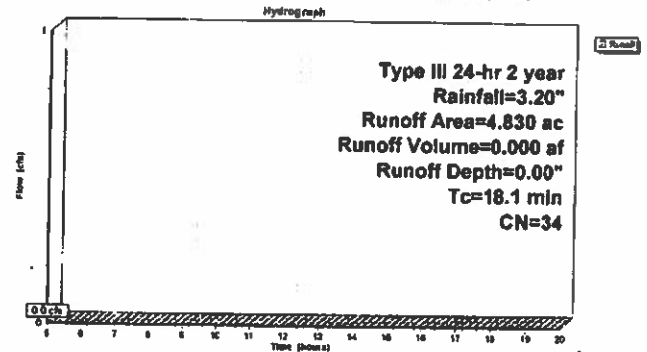
Runoff = 0.0 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 2 year Rainfall=3.20"

Area (ac)	CN	Description
0.080	98	Paved parking, HSG A
1.300	39	>75% Grass cover, Good, HSG A
3.453	30	Woods, Good, HSG A
4.830	34	Weighted Average
4.750		98.34% Pervious Area
0.080		1.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.1					Direct Entry, From Original Analysis

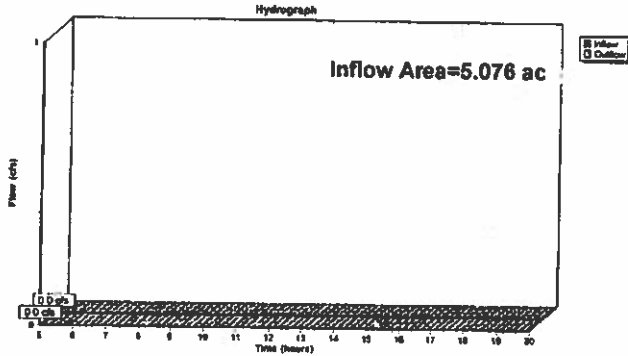
Subcatchment 6S: EA - Pre-Existing Conditions (2004)



Summary for Reach 7R: Proposed Total Flow Analysis Point A

Inflow Area = 5.076 ac, 22.11% Impervious, Inflow Depth = 0.00" for 2 year event  
 Inflow = 0.0 cfs @ 5.00 hrs, Volume= 0.000 af  
 Outflow = 0.0 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min  
 Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach 7R: Proposed Total Flow Analysis Point A



Summary for Pond 2P: Infiltration System

Inflow Area = 2.694 ac, 36.89% Impervious, Inflow Depth > 0.39" for 2 year event  
 Inflow = 0.7 cfs @ 12.27 hrs, Volume= 0.087 af  
 Outflow = 0.7 cfs @ 12.27 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.1 min  
 Discarded = 0.7 cfs @ 12.27 hrs, Volume= 0.087 af  
 Primary = 0.0 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2  
 Peak Elev= 156.69' @ 12.27 hrs Surf.Area= 1.617 af Storage= 3 cf

Plug-Flow detention time= 0.1 min calculated for 0.086 af (100% of Inflow)  
 Center-of-Mass det. time= 0.1 min (861.9 - 861.9)

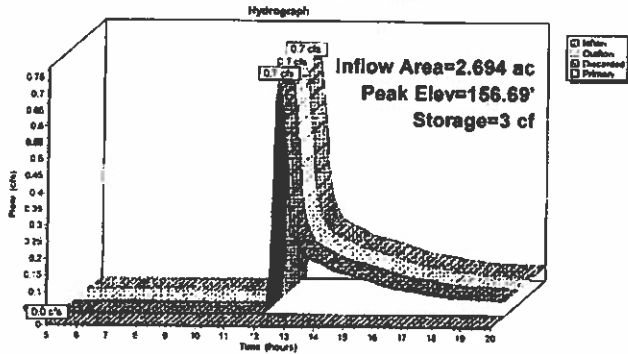
Volume	Invert	Avail. Storage	Storage Description		
#1	156.68'	8.034 cf	Custom Stage Data (Conic) Listed below (Recalc)		
Elevation (feet)	Surf. Area (sq-ft)	Voids (%)	Inc. Store (cubic-feet)	Cum. Store (cubic-feet)	Wet Area (sq-ft)
156.68	1,617	0.0	0	0	1,617
156.69	1,617	35.0	6	6	1,618
157.17	1,617	35.0	272	277	1,887
157.18	1,617	77.0	12	290	1,888
163.40	1,617	77.0	7,744	8,034	2,575

Device	Routing	Invert	Outlet Devices
#1	Discarded	156.68'	20,000 in/hr Exfiltration - 1/2 FIELD MEASURED RATE over Wetted area
#2	Primary	166.80'	2.0' long x 3.0' breadth Catch Basin Rim Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 Coef. (English) 2.54 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32

Discarded OutFlow Max=1.1 cfs @ 12.27 hrs HW=156.69' (Free Discharge)  
 1=Exfiltration - 1/2 FIELD MEASURED RATE (Exfiltration Controls 1.1 cfs)

Primary OutFlow Max=0.0 cfs @ 5.00 hrs HW=156.68' (Free Discharge)  
 2=Catch Basin Rim (Controls 0.0 cfs)

Pond 2P: Infiltration System



Summary for Pond 3P: Proposed Drywell

Inflow Area = 0.083 ac, 100.00% Impervious, Inflow Depth > 2.77" for 2 year event  
 Inflow = 0.3 cfs @ 12.00 hrs, Volume= 0.019 af  
 Outflow = 0.1 cfs @ 12.34 hrs, Volume= 0.019 af, Atten= 76%, Lag= 20.2 min  
 Discarded = 0.1 cfs @ 12.34 hrs, Volume= 0.019 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 163.05' @ 12.34 hrs Surf.Area= 0.007 ac Storage= 0.004 af

Plug-Flow detention time= 13.6 min calculated for 0.019 af (100% of inflow)  
 Center-of-Mass det. time= 13.4 min (747.5 - 734.1)

Volume	Invert	Avail. Storage	Storage Description
#1A	162.00'	0.008 af	12.00"W x 24.00"L x 3.84"H Field A 0.023 af Overall - 0.007 af Embedded = 0.016 af x 40.0% Voids
#2A	162.50'	0.007 af	Cultac R-330XL x 6 Inside #1 Effective Size= 47.6"W x 30.0"H => 7.45 af x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap
			0.014 af Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	162.00'	8.276 In/hr Exfiltration over Wetted area

Discarded OutFlow Max=0.1 cfs @ 12.34 hrs HW=163.04 (Free Discharge)  
 1=Exfiltration (Exfiltration Controls 0.1 cfs)



Summary for Subcatchment 1S: Area Pa1

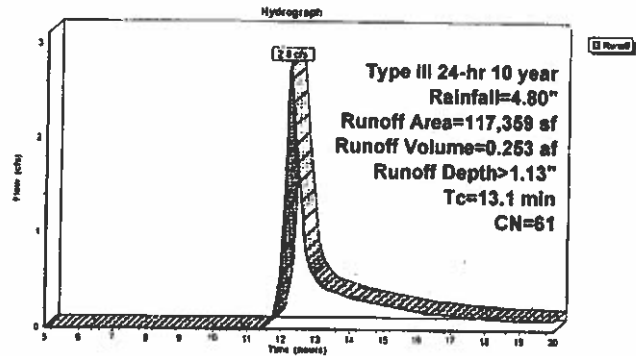
Runoff = 2.8 cfs @ 12.21 hrs. Volume= 0.253 af. Depth> 1.13"

Runoff by SCS TR-20 method, UH=SCS. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs  
 Type III 24-hr 10 year Rainfall=4.80"

Area (sf)	CN	Description
36,500	98	Roadway/Lot Development
64,469	39	Grass cover, Good, HSG A
2,900	98	Lot 3 Driveway/Walks
6,900	39	Lot 3 Lawn, Good, HSG A
3,800	98	Lot 4 Driveway/Walks
2,700	39	Lot 4 Lawn, Good, HSG A
117,359	61	Weighted Average
74,069		63.11% Pervious Area
43,290		36.89% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.1					Direct Entry, From original analysis

Subcatchment 1S: Area Pa1



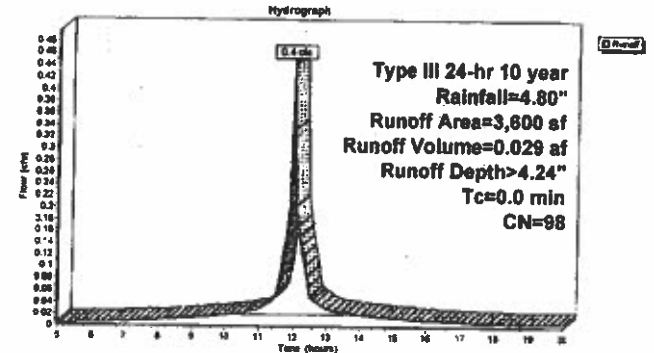
Summary for Subcatchment 2S: Roof Area - Lot 3

Runoff = 0.4 cfs @ 12.00 hrs. Volume= 0.029 af. Depth> 4.24"

Runoff by SCS TR-20 method, UH=SCS. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs  
 Type III 24-hr 10 year Rainfall=4.80"

Area (sf)	CN	Description
3,600	98	Roof Top Area
3,600		100.00% Impervious Area

Subcatchment 2S: Roof Area - Lot 3



Summary for Subcatchment 4S: Area Pa2

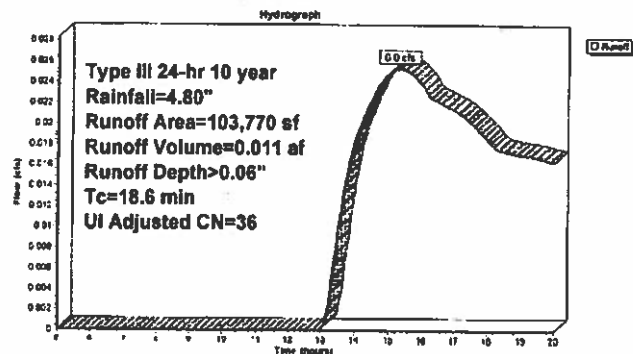
Runoff = 0.0 cfs @ 15.31 hrs. Volume= 0.011 af. Depth> 0.06"

Runoff by SCS TR-20 method, UH=SCS. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs  
 Type III 24-hr 10 year Rainfall=4.80"

Area (sf)	CN	Description
50,530	30	Woods, Good, HSG A
47,840	39	>75% Grass cover, Good, HSG A
2,100	98	Unconnected pavement, HSG A #22
3,900	98	Unconnected pavement, HSG A
103,770	36	Weighted Average, UJ Adjusted CN= 36
98,170		94.60% Pervious Area
5,600		5.40% Impervious Area
5,600		00.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.6					Direct Entry, From original analysis

Subcatchment 4S: Area Pa2



Summary for Subcatchment 6S: EA - Pre-Existing Conditions (2004)

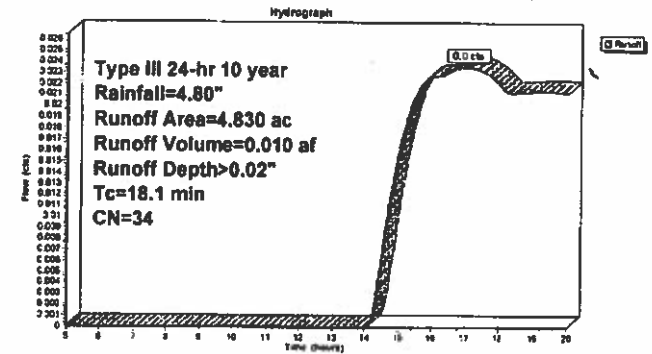
Runoff = 0.0 cfs @ 17.05 hrs. Volume= 0.010 af. Depth> 0.02"

Runoff by SCS TR-20 method, UH=SCS. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs  
 Type III 24-hr 10 year Rainfall=4.80"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG A
1.300	39	>75% Grass cover, Good, HSG A
3.450	30	Woods, Good, HSG A
4.830	34	Weighted Average
4.750		98.34% Pervious Area
0.080		1.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.1					Direct Entry, From Original Analysis

Subcatchment 6S: EA - Pre-Existing Conditions (2004)

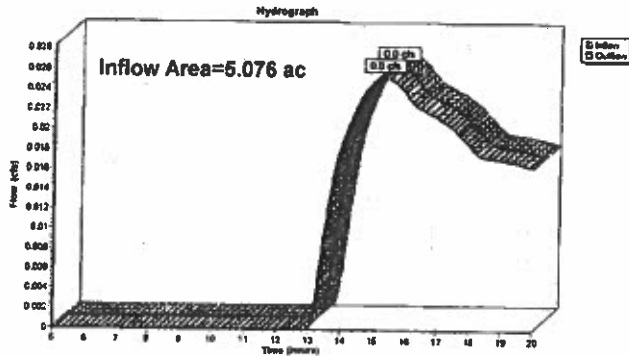


Summary for Reach 7R: Proposed Total Flow Analysis Point A

Inflow Area = 5.076 ac, 22.11% impervious, Inflow Depth > 0.03" for 10 year event  
 Inflow = 0.0 cfs @ 15.31 hrs, Volume= 0.011 af  
 Outflow = 0.0 cfs @ 15.31 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Reach 7R: Proposed Total Flow Analysis Point A



Summary for Pond 2P: Infiltration System

Inflow Area = 2.694 ac, 35.89% impervious, Inflow Depth > 1.13" for 10 year event  
 Inflow = 2.6 cfs @ 12.21 hrs, Volume= 0.253 af  
 Outflow = 1.3 cfs @ 12.57 hrs, Volume= 0.249 af, Atten= 54%, Lag= 21.7 min  
 Discarded = 1.3 cfs @ 12.57 hrs, Volume= 0.249 af  
 Primary = 0.0 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs / 2  
 Peak Elev= 158.23' @ 12.57 hrs Surf.Area= 1,617 sf Storage= 1,597 cf

Plug-Flow detention time= 12.7 min calculated for 0.249 af (98% of inflow)  
 Center-of-Mass del. time= 7.1 min ( 840.5 - 833.4 )

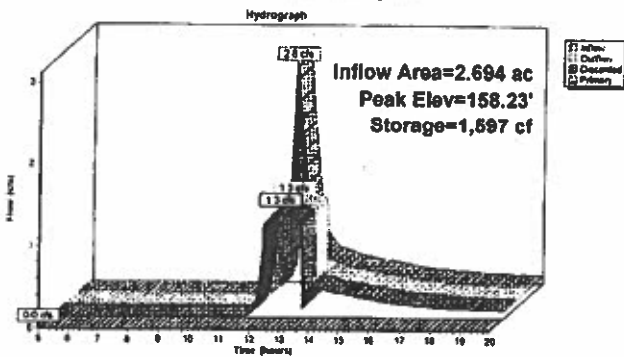
Volume #1	Invert	Avail. Storage	Storage Description		
	156.68'	8,034 cf	Custom Stage Data (Conic) Listed below (Recalc)		
Elevation (feet)	Surf. Area (sq-ft)	Voids (%)	Inc. Store (cubic-feet)	Cum. Store (cubic-feet)	Wet Area (sq-ft)
158.68	1,617	0.0	0	0	1,617
156.89	1,617	35.0	6	6	1,618
157.17	1,617	35.0	272	277	1,687
157.18	1,617	77.0	12	290	1,888
163.40	1,617	77.0	7,744	8,034	2,575

Device	Routing	Invert	Outlet Devices
#1	Discarded	156.68'	30.000 In/hr Exfiltration - 1/2 FIELD MEASURED RATE over Wetted area
#2	Primary	166.80'	2.0' long x 2.0' breadth Catch Basin Rim Head (feet) 0.20 0.40 0.80 0.80 1.00 1.20 1.40 1.60 1.80 2.00 Coef (English) 2.54 2.61 2.61 2.60 2.06 2.70 2.77 2.89 2.88 2.85 3.07 3.20 3.32

Discarded OutFlow Max=1.3 cfs @ 12.57 hrs HW=158.23' (Free Discharge)  
 1=Exfiltration - 1/2 FIELD MEASURED RATE (Exfiltration Controls 1.3 cfs)

Primary OutFlow Max=0.0 cfs @ 5.00 hrs HW=156.68' (Free Discharge)  
 2=Catch Basin Rim (Controls 0.0 cfs)

Pond 2P: Infiltration System



Summary for Pond 3P: Proposed Drywell

Inflow Area = 0.083 ac, 100.00% impervious, Inflow Depth > 4.24" for 10 year event  
 Inflow = 0.4 cfs @ 12.00 hrs, Volume= 0.029 af  
 Outflow = 0.1 cfs @ 12.41 hrs, Volume= 0.029 af, Atten= 82%, Lag= 24.4 min  
 Discarded = 0.1 cfs @ 12.41 hrs, Volume= 0.029 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Peak Elev= 163.84' @ 12.41 hrs Surf.Area= 0.007 ac Storage= 0.008 af

Plug-Flow detention time= 25.6 min calculated for 0.029 af (100% of inflow)  
 Center-of-Mass del. time= 25.6 min ( 758.6 - 730.9 )

Volume #1A	Invert	Avail. Storage	Storage Description
	162.00'	0.008 af	12.00'W x 24.00'L x 3.54" Field A
#2A	162.50'	0.007 af	0.023 af Overall - 0.007 af Embedded = 0.016 af x 40% Voids Cut-in: R-330XL x 6 Inside #1 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap
			0.014 af Total Available Storage

Storage Group A created with Chamber Wizard

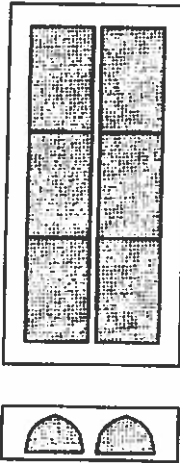
Device	Routing	Invert	Outlet Devices
#1	Discarded	162.00'	0.270 In/hr Exfiltration over Wetted area

Discarded OutFlow Max=0.1 cfs @ 12.41 hrs HW=163.84' (Free Discharge)  
 1=Exfiltration (Exfiltration Controls 0.1 cfs)

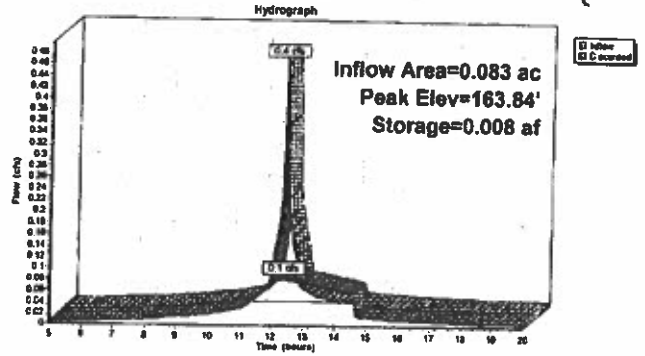


**Pond 3P: Proposed Drywell - Chamber Wizard Field A**

Chamber Model = Cuttec R-330XL  
 Effective Size= 47.8'W x 30.0'H => 7.45 sf x 7.00'L = 52.2 cf  
 Overall Size= 52.0'W x 30.5'H x 8.50'L with 1.60' Overlap  
 52.0' Wide + 6.0' Spacing = 58.0' C-C  
 3 Chambers/Row x 7.00 Long = 21.00' + 18.0' End Stone x 2 = 24.00' Base Length  
 2 Rows x 52.0' Wide + 6.0' Spacing x 1 + 17.0' Side Stone x 2 = 12.00' Base Width  
 6.0' Base + 30.5' Chamber Height + 6.0' Cover = 3.54' Field Height  
 6 Chambers x 52.2 cf = 312.9 cf Chamber Storage  
 1,020.0 cf Field - 312.9 cf Chambers = 707.1 cf Stone x 40.0% Voids = 282.8 cf Stone Storage  
 Stone + Chamber Storage = 595.8 cf = 0.014 af  
 6 Chambers  
 37.6 cy Field  
 26.2 cy Stone



**Pond 3P: Proposed Drywell**



Summary for Subcatchment 18: Area Pa1

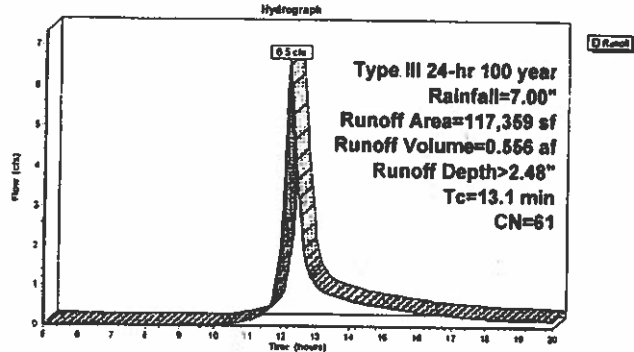
Runoff = 6.5 cfs @ 12.19 hrs. Volume= 0.556 af. Depth> 2.48"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
36,590	98	Roadway/Lot Development
84,489	39	Grass cover, Good, HSG A
2,900	98	Lot 3 Driveway/Walks
6,800	39	Lot 3 Lawn, Good, HSG A
3,800	98	Lot 4 Driveway/Walks
2,700	39	Lot 4 Lawn, Good, HSG A
117,359	61	Weighted Average
74,069		63.11% Pervious Area
43,290		36.89% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.1					Direct Entry, From original analysis

Subcatchment 18: Area Pa1



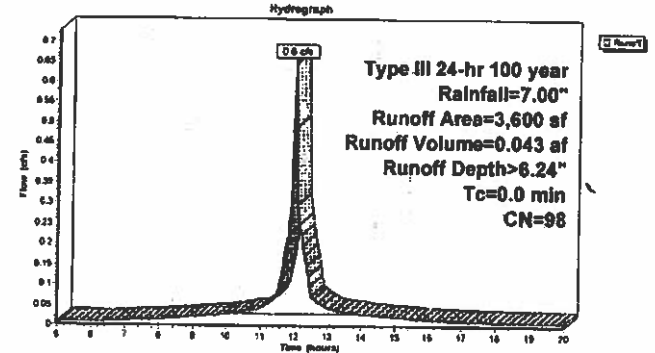
Summary for Subcatchment 28: Roof Area - Lot 3

Runoff = 0.6 cfs @ 12.00 hrs. Volume= 0.043 af. Depth> 6.24"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
3,600	98	Roof Top Area
3,600		100.00% Impervious Area

Subcatchment 28: Roof Area - Lot 3



Summary for Subcatchment 4S: Area Pa2

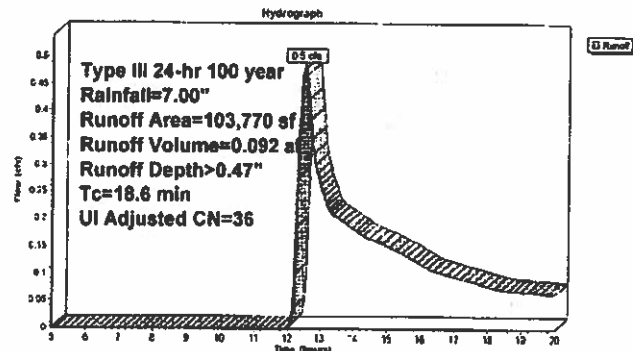
Runoff = 0.5 cfs @ 12.52 hrs. Volume= 0.092 af. Depth> 0.47"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
80,630	30	Woods, Good, HSG A
47,840	39	>75% Grass cover, Good, HSG A
2,100	98	Unconnected pavement, HSG A #22
3,500	98	Unconnected pavement, HSG A
103,770	36	Weighted Average, UH Adjusted CN = 36
98,170		94.60% Pervious Area
5,600		5.40% Impervious Area
5,600		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.6					Direct Entry, From original analysis

Subcatchment 4S: Area Pa2



Summary for Subcatchment 6S: EA - Pre-Existing Conditions (2004)

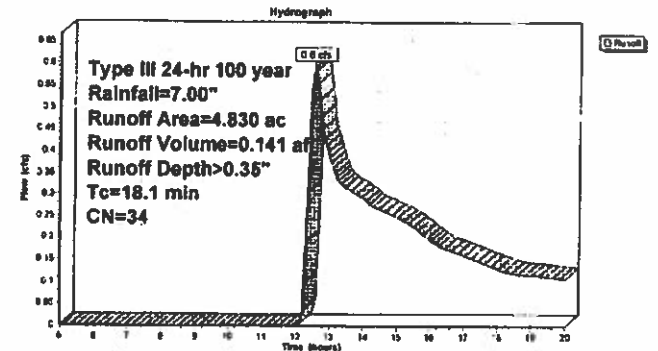
Runoff = 0.6 cfs @ 12.57 hrs. Volume= 0.141 af. Depth> 0.35"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs  
 Type III 24-hr 100 year Rainfall=7.00"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG A
1.300	39	>75% Grass cover, Good, HSG A
3.450	30	Woods, Good, HSG A
4.830	34	Weighted Average
4.750		98.34% Pervious Area
0.080		1.66% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.1					Direct Entry, From Original Analysis

Subcatchment 6S: EA - Pre-Existing Conditions (2004)

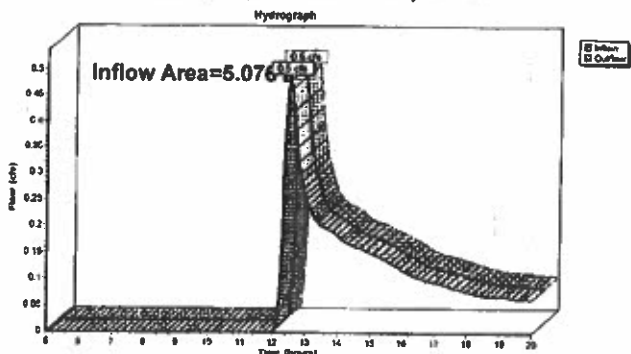


Summary for Reach 7R: Proposed Total Flow Analysis Point A

Inflow Area = 5.076 ac. 22.11% impervious. Inflow Depth > 0.22" for 100 year event  
 Inflow = 0.5 cfs @ 12.52 hrs. Volume= 0.092 af  
 Outflow = 0.5 cfs @ 12.52 hrs. Volume= 0.092 af. Atten= 0%. Lag= 0.0 min

Routing by Stor-Ind+Trans method. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs

Reach 7R: Proposed Total Flow Analysis Point A



Summary for Pond 2P: Infiltration System

Inflow Area = 2.694 ac. 38.89% impervious. Inflow Depth > 2.48" for 100 year event  
 Inflow = 6.5 cfs @ 12.19 hrs. Volume= 0.556 af  
 Outflow = 1.7 cfs @ 12.70 hrs. Volume= 0.580 af. Atten= 74%. Lag= 30.3 min  
 Discarded = 1.7 cfs @ 12.70 hrs. Volume= 0.580 af  
 Primary = 0.0 cfs @ 5.00 hrs. Volume= 0.000 af

Routing by Stor-Ind method. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs / 2  
 Peak Elev= 162.53' @ 12.70 hrs. Surf. Area= 1,817 sf. Storage= 6,946 cf

Plug-Flow detention time= (not calculated) outflow precedes inflow  
 Center-of-Mass det. time= 33.0 min ( 848.5 - 815.6 )

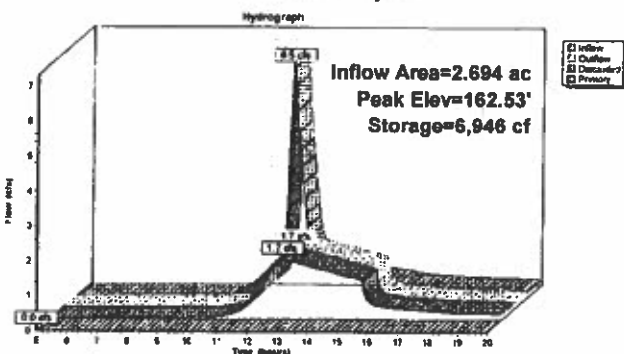
Volume #1	Invert	Avail. Storage	Storage Description		
156.68'		8,034 cf	Custom Stage Data (Conic) Listed below (Recalc)		
Elevation (feet)	Surf. Area (sq-ft)	Voids (%)	Inc. Store (cubic-feet)	Cum. Store (cubic-feet)	Wet Area (sq-ft)
156.68	1,817	0.0	0	0	1,817
156.69	1,817	35.0	6	6	1,618
157.17	1,817	35.0	272	277	1,887
157.18	1,817	77.0	12	290	1,688
163.40	1,817	77.0	7,744	8,034	2,575

Device	Routing	Invert	Outlet Devices
#1	Discarded	156.68'	38,800 in/hr Exfiltration - 1/2 FIELD MEASURED RATE over Wetted area
#2	Primary	166.60'	2.8' long x 2.0' breadth Catch Basin Rim
Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00			
2.50 3.00 3.50			
Coef. (English) 2.64 2.61 2.61 2.60 2.66 2.70 2.77 2.89 2.88			
2.85 3.07 3.20 3.32			

Discarded OutFlow Max=1.7 cfs @ 12.70 hrs HW=162.53' (Free Discharge)  
 1=Exfiltration - 1/2 FIELD MEASURED RATE (Exfiltration Controls 1.7 cfs)

Primary OutFlow Max=0.0 cfs @ 5.00 hrs HW=156.68' (Free Discharge)  
 2=Catch Basin Rim ( Controls 0.0 cfs)

Pond 2P: Infiltration System



Summary for Pond 3P: Proposed Drywell

Inflow Area = 0.083 ac. 100.00% impervious. Inflow Depth > 6.24" for 100 year event  
 Inflow = 0.6 cfs @ 12.00 hrs. Volume= 0.043 af  
 Outflow = 0.1 cfs @ 12.44 hrs. Volume= 0.043 af. Atten= 84%. Lag= 26.3 min  
 Discarded = 0.1 cfs @ 12.44 hrs. Volume= 0.043 af

Routing by Stor-Ind method. Time Span= 5.00-20.00 hrs. dt= 0.05 hrs  
 Peak Elev= 165.33' @ 12.44 hrs. Surf. Area= 0.007 ac. Storage= 0.013 af

Plug-Flow detention time= 41.3 min calculated for 0.043 af (100% of inflow)  
 Center-of-Mass det. time= 41.0 min ( 770.2 - 729.2 )

Volume #1A	Invert	Avail. Storage	Storage Description
162.00'		0.006 af	12.00'W x 24.00'L x 3.84'H Field A
#2A	162.50'	0.007 af	0.023 af Overall - 0.007 af Embedded = 0.018 af x 40.0% Voids
Cultec R-830XL x 6 inside #1			
Effective Size= 47.6"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf			
Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap			
0.014 af Total Available Storage			

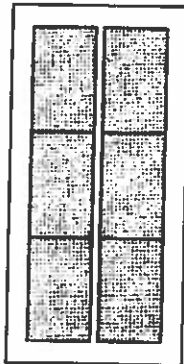
Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	162.00'	8.276 in/hr Exfiltration over Wetted area

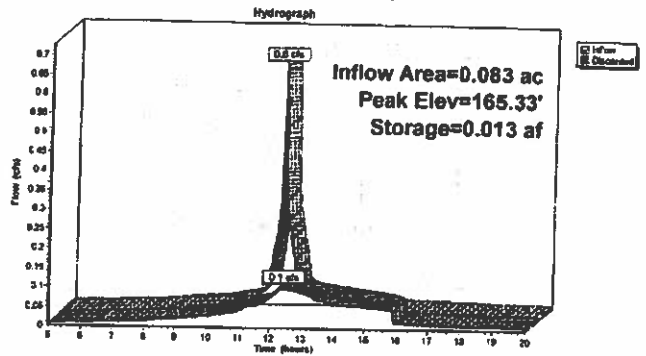
Discarded OutFlow Max=0.1 cfs @ 12.44 hrs HW=165.33' (Free Discharge)  
 1=Exfiltration (Exfiltration Controls 0.1 cfs)

**Pond 3P: Proposed Drywell - Chamber Wizard Field A**

Chamber Model = Cullac R-330XL  
 Effective Size = 47.8"W x 30.0"H => 7.45 af x 7.00'L = 52.2 cf  
 Overall Size = 52.0"W x 30.5"H x 8.60'L with 1.5' Overlap  
 52.0" Wide x 6.0" Spacing = 58.0" C-C  
 3 Chambers/Row x 7.00' Long = 21.00' + 18.0" End Stone x 2 = 24.00' Base Length  
 2 Rows x 52.0" Wide x 6.0" Spacing x 1 + 17.0" Side Stone x 2 = 12.00' Base Width  
 6.0" Base + 30.5" Chamber Height + 6.0" Cover = 3.54' Field Height  
 6 Chambers x 52.2 cf = 312.8 cf Chamber Storage  
 1,020.0 cf Field - 312.8 cf Chambers = 707.1 cf Stone x 40.0% Voids = 282.8 cf Stone Storage  
 Stone + Chamber Storage = 595.8 cf = 0.014 af  
 6 Chambers  
 37.8 cy Field  
 26.2 cy Stone



**Pond 3P: Proposed Drywell**









**TOWN OF WAYLAND**  
41 COCHITUATE ROAD  
WAYLAND, MASSACHUSETTS 01778

**RECEIVED**  
**MAY 21 2021**  
WAYLAND CONSERVATION COMMISSION

**CHAPTER 193 APPLICATION**  
**Stormwater Management and Land Disturbance Bylaw**

**A. General Information**

**1. Project Location**

140 School St. Wayland, MA 01778  
a. Street Address b. City/Town c. Zip code  
47B-74  
d. Parcel/ Lot Number

**2. Applicant:**

Jason + Christina Rodrigo  
a. First Name b. Last Name  
140 School St.  
c. Street Address  
Wayland, MA 01778 617-460-2140  
e. State f. Zip Code d. City g. Work/ Cell Phone #  
cmrodrigo09@gmail.com  
h. Email Address

**3. Property Owner (required if different from applicant):**

\_\_\_\_\_  
a. First Name b. Last Name  
\_\_\_\_\_  
c. Street Address  
\_\_\_\_\_  
e. State f. Zip Code d. City g. Work/ Cell Phone #  
\_\_\_\_\_  
h. Email Address

**4. Representative (if any):**

N/A  
a. First Name b. Last Name

**CHAPTER 193 APPLICATION**  
**Stormwater Management and Land Disturbance Bylaw**

c. Company

c. Street Address

e. State

f. Zip Code

d. City

g. Work/ Cell Phone #

h. Email Address

**5a. Project Type Checklist (check all that applies):**

1.  Creation of new or increasing existing impervious surface of 500 sq. ft. or more.

Impervious Surface: Is any material or structure on or above the ground that prevents water infiltration to the underlying soils. Impervious surface includes without limitation roads, paved parking lots, sidewalks, stone patios, decking, and rooftops.

2.  Alteration and/or land disturbance of at least 5,000 sq. ft. or 10% of the parcel; whichever is less.

Alteration and/or land disturbance as defined in Chapter 193 Bylaw.

**5b. General Project Description:**

see attached drawing  
in-ground pool + patio installation  
proposed pool + patio is low point of our  
property + our 3 abutters = no change in  
water flow patterns.

**B. Additional Information**

By submitting an application for coverage under the Stormwater Management and Land Disturbance Permit, the Applicant agrees to the following:

1. At a minimum, the proposed project complies with the performance standards of the most recent version of the Massachusetts Stormwater Management Handbook including but not limited to:
  - a. Employing environmentally sensitive site design
  - b. Evaluation of Low Impact Development practices
  - c. Incorporation of source controls of contaminants and employing BMPs to minimize stormwater pollution
  - d. Sizing of water quality volume of BMPs are based on 1-inch of runoff
  - e. Methodology for hydrologic analyses (if necessary) is based on TR-55/TR-20 methodology
  - f. Designing redevelopment of existing sites must provide a net improvement to stormwater conditions at the site.
2. The activity shall not increase either the rate or volume of stormwater runoff leaving the site, nor shall it alter stormwater flow to any adjoining properties, public ways, or any wetland resource areas, unless otherwise permitted based on improvements over existing conditions.

Please check all that apply to this project:

**CHAPTER 193 APPLICATION**  
**Stormwater Management and Land Disturbance Bylaw**

- Roof drains emptying into dry wells/recharge basins
- Grassed swales constructed
- Porous pavement installed; 1010 sq. ft. new surface
- Water quality swale
- Rain barrels/cisterns for irrigation
- Other methods (please list/describe): \_\_\_\_\_

3. The Applicant shall provide and maintain Erosion and Sedimentation controls as necessary until the site is permanently stabilized. BMP's selected for erosion controls shall be chosen to minimize site disturbance from erosion control installation. As soon as the site is stabilized, such measures shall be removed.

Please check all that apply to this project: no temporary measures

- Sediment filter fence with either hay bales or straw wattles
- Mulch filled fabric sock
- Construction entrance
- Temporary vegetative cover – mulch, netting
- Permanent vegetative cover – hydro seeding, seeding, sodding
- Slope stabilization
- Retaining Walls
- Slope drains
- Other methods (please list/describe): \_\_\_\_\_

4. The Applicant shall ensure that the site and stormwater management systems are perpetually inspected and maintained to function as designed.

Please check all that apply to this project:

- Visual inspections by contractor
- Visual inspections by homeowner
- Operation and Maintenance Plan
- Maintenance contract for stormwater components
- Other methods (please list/describe): \_\_\_\_\_

5. Other Jurisdiction

- Massachusetts Wetlands Protection Act (310 CMR 10.00) and it's implementing Regulations
- Wayland's Wetlands and Water Resource Protection Bylaw – Chapter 194

**CHAPTER 193 APPLICATION  
Stormwater Management and Land Disturbance Bylaw**

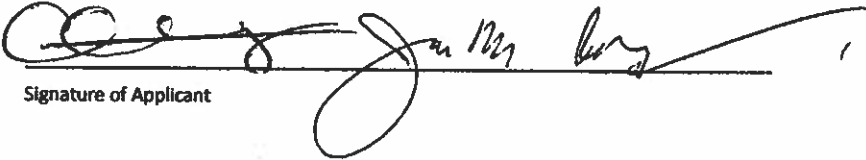
- Subdivision Approval
- Board of Health Permit
- Special Permit or Site Plan Review
- Building Permit

**C. Fees**

Applicants must submit a \$100 application fee.

**D. Signatures and Submittal Requirements**

I certify that I have reviewed the design standards above and the information contained herein, including all attachments, is true, accurate, and complete to the best of my knowledge. Further, I grant the Wayland Conservation Commission and its authorized Agents permission to enter the property to review this application and make inspections before, during and after construction. I have included a check for the application fee of \$100.

  
\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Property Owner (if different)

\_\_\_\_\_  
Date

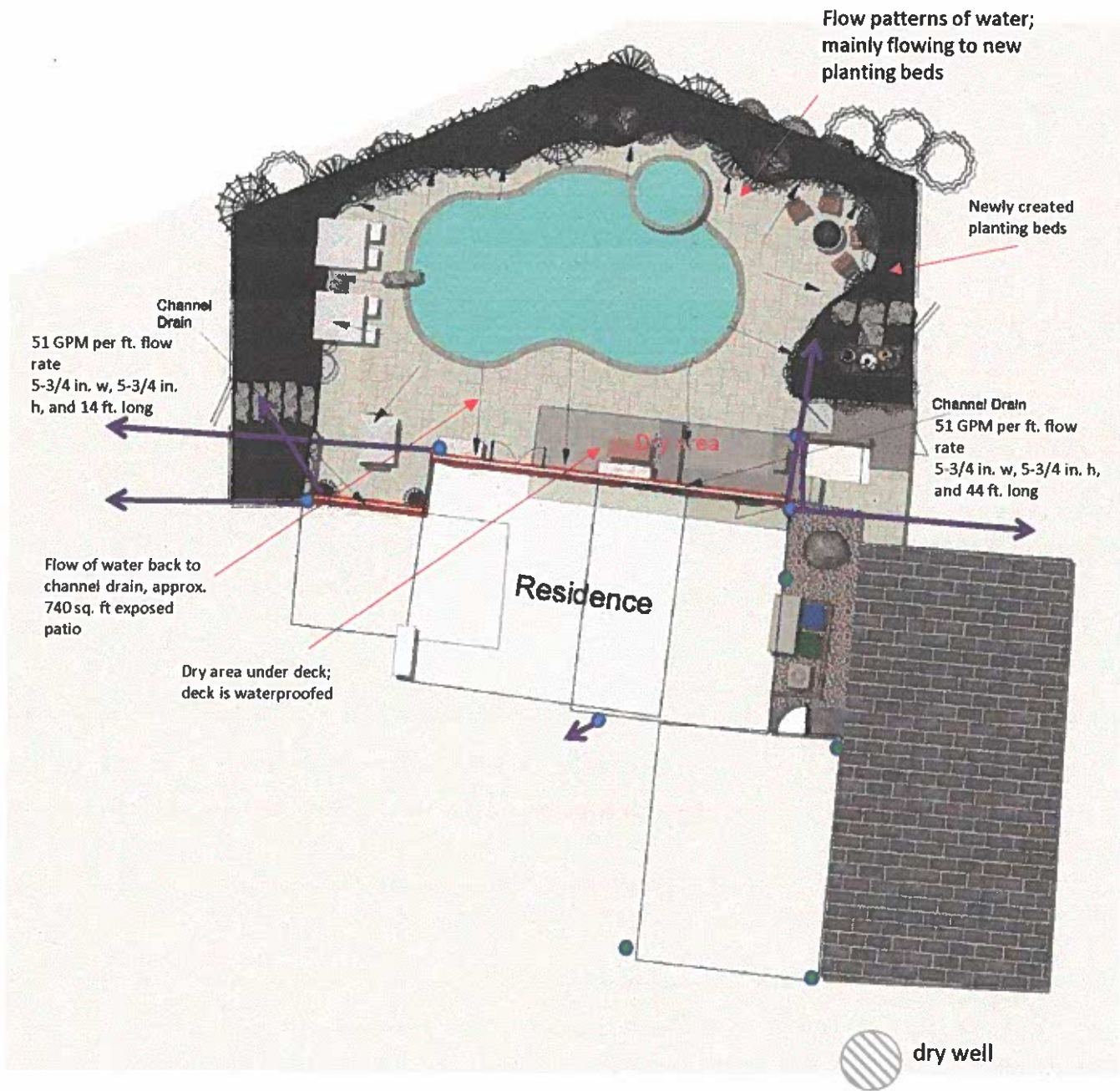
\_\_\_\_\_  
Signature of Representative (if any)

\_\_\_\_\_  
Date

**For Conservation Commission:**

Two copies of the completed Stormwater Management and Land Disturbance Bylaw (Chapter 193), including plans and documents, and the bylaw fee payment, to the Conservation Commission by mail or hand delivery.

140 School St. Wayland – Chapter 193 Application Attachment – May 21, 2021



● = downspout  
(4 on house, 1 on waterproof deck)

● = downspout  
(4 on house, drain to drywell)

→ = corrugated and perforated PVC drain pipe

New permeable patio: 1010 sq. ft.

Granite tiles with EasyJoint permeable joint sand

Pool and coping: 920 sq. ft.

**Total new surface (new permeable patio + pool + coping):  
1930 sq. ft.**

Existing patio to be replaced with new permeable patio (same spec. as above): 896 sq. ft.







**TOWN OF WAYLAND**  
 MASSACHUSETTS  
 01778  
**CONSERVATION COMMISSION**

TOWN BUILDING  
 41 COCHITUATE ROAD  
 TELEPHONE: (508) 358-3669  
 FAX: (508) 358-3046

Wayland Conservation Commission  
 Wetlands and Water Resources Protection Bylaw Permit (Chapter 194)

**REQUEST FOR RETURN OF PERFORMANCE GUARANTEE**

*SIGN AND SUBMIT THIS SHEET AT THE CONSERVATION OFFICE*

WAYLAND CONSERVATION COMMISSION

**FILE:** 322-781 (your DEP or D file number)  
**APPLICANT NAME:** Richard Tse  
**PROPERTY ADDRESS:** 20 Rich Valley Rd

APR 20 2021  
 RECEIVED


The Wetlands and Water Resources Protection Bylaw Permit you have been issued contains a binding set of conditions, which you must complete or you could be subject to monetary penalties which may affect all or part of you performance guarantee for the project. It is likely that your Permit/Order of Conditions requires a Certificate of Compliance to close the file, which should be addressed prior to this performance guarantee request.

Inspection Reports must be complete and submitted to the Conservation Commission during most projects. Please refer to your Permit's "Reporting Requirements" and complete the section below. If not applicable to your project, please select N/A.

**Inspection Reports were prepared and submitted by** \_\_\_\_\_ (P.E. or P.L.S.)  
**on the following dates:** \_\_\_\_\_  
 N/A \_\_\_\_\_

If planting/replacement plantings were a requirement of your Permit, please note the date(s) for the installation of plants and attach any documentation (receipts, photographs, etc.). Plantings must sustain two full growing seasons (a growing season is April- October of a given year) for the full performance guarantee to be addressed. The Commission will consider partial return after one growing season. If not applicable to your project, please select N/A.

**Planting was completed on the following date:** 2013  
**Check here if documentation is attached:** \_\_\_\_\_  
 N/A \_\_\_\_\_

  
 \_\_\_\_\_  
*Applicant Signature*

4/16/21  
 \_\_\_\_\_  
*Date*



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 8A – Request for Certificate of Compliance**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

**322-781**  
 Provided by DEP

**A. Project Information**

**Important:**  
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Richard Tse  
 Name  
20 Rich Valley Rd  
 Mailing Address  
Wayland MA 01778  
 City/Town State Zip Code  
508-358-3307  
 Phone Number

2. This request is in reference to work regulated by a final Order of Conditions issued to:

Richard & Rita TSE  
 Applicant  
08.26.2012 322-781  
 Dated DEP File Number

3. The project site is located at:

20 Rich Valley Rd  
 Street Address  
25 Wayland  
 Assessors Map/Plat Number City/Town  
 Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

Middlesex South  
 Property Owner (if different) County  
59843 386  
 Book Page

Certificate (if registered land)

5. This request is for certification that (check one):

- the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.
- the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

---

---

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---

- the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.

**RECEIVED**

**MAY 12 2012** Page 1 of 2

WAYLAND CONSERVATION COMMISSION



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands  
**WPA Form 8A – Request for Certificate of Compliance**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

Provided by DEP

---

### A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

Yes      If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

No

---

### B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/dep/about/region/findyour.htm>).

Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application

1. Applicant:

Richard Tse richardtse@yahoo.com
Name (PLEASE PRINT) Email Address (if applicable)
20 Rich Valley Rd Wayland MA 01778
Mailing Address City/Town State Zip Code
508-358-3307
Phone Number Fax Number (if applicable)

2. Representative:

Firm/Business Name Contact Name
Mailing Address City/Town State Zip Code
Phone Number Fax Number (if applicable)

3. Property Owner(s)

Richard B Rita TSE richardtse@yamao.com
Property Owner (PLEASE PRINT) Email Address (if applicable)
20 Rich Valley Road Wayland MA 01778
Address City/Town State Zip Code
508-358-3307
Phone Number Fax Number (if applicable)

4. Type of Application

- [ ] Request for a Determination of Applicability (RDA) [ ] Notice of Intent (NOI)
[ ] Abbreviated NOI [ ] Extension of O.O.C.
[ ] Notice of Resource Area Delineation [x] Certificate of Compliance
[ ] After the Fact Amendment (AFA) [ ] After the Fact Filing (AFF)
[ ] Amendment to Order of Conditions

5. Project

20 Rich Valley Rd
Location Address Assessors Map(s) Parcel(s)
Project Description (PLEASE PRINT): Replace a cesspool with Title V Compliant system.

6. Title/Date of Plan(s)

"Proposed Site Plan" Richard B Rita Tse 20 Rich Valley Road
Wayland, Green Hill Engineering, Merrill R. Farrell R.S. 9 May 2012, REV. 7.13.12 (Correct Erosion
Basin & Tree Replacement)

7. Bylaw Application Fee: \$ 50.00

8. Application filed pursuant to MGL Chapter 131, Section 40 [x] Yes [ ] No

9. Signature of Applicant [Signature] Date 5/11/20

Signature of Property Owner [Signature] Date

(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)

RECEIVED

MAY 12 2021



**WPA Form 8A – Request for Certificate of Compliance**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**A. Project Information**

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Jin Lai  
Name

10 Fox Meadow Dr.  
Mailing Address

Westwood MA 02090  
City/Town State Zip Code

617-763-1302  
Phone Number

2. This request is in reference to work regulated by a final Order of Conditions issued to:

STN Realty Trust  
Applicant

December 22, 1997 322-376  
Dated DEP File Number

3. The project site is located at:

21 Oxbow Road Wayland  
Street Address City/Town

4-77B Lot 3A  
Assessors Map/Plat Number Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

Jin Lai  
Property Owner (if different)

S. Middlesex 64937 589  
County Book Page

Certificate (if registered land)

5. This request is for certification that (check one):

- the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.
- the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

1. Excavation of a new 12" deep x 12" wide recharge trench  
 2. Excavate trench to approximately 90' long.  
 3. Fill trench in with 3" of gravel (stone).  
 4. Remove the debri from the replication area (branches/leaves)  
 5. Seed the replication area with new "wetland plant seed" and rake in.

- the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands  
**WPA Form 8A – Request for Certificate of Compliance**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

Provided by DEP

---

**A. Project Information (cont.)**

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

No

Please find attached  
(1) Proposal from Gary Smith  
(2) an invoice (receipt) showing payment already being made to Gary  
(3) multiple photos of work completed by Gary.

---

**B. Submittal Requirements**

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/dep/about/region/findyour.htm>).



# PROPOSAL

---

---

G.T. SMITH JR. INC.  
179 SOUTH ASHBURNHAM RD  
WESTMINSTER MA 01473

5/4/2022  
(978)833-8270  
GTSMITHLC@AOL.COM

Jin Lai & Jing Tang  
2 Sandy Hill Rd.  
Wayland Ma

DESCRIPTION	AMOUNT
1 Excavation of a new 12" deep*12" wide recharge trench.	\$3,500.00
2 Excavate trench to approximately 90' long.	
3 Fill trench in with 3" of gravel (stone), as discussed with the conservation agent.	\$2,500
4 Remove the debris from the replication area (branches/leaves) as discussed with the conservation agent.	\$2,500
5 Seed the replication area with new "wetland plant seed" and rake in.	\$650

TOTAL \$9,150.00

PAYMENT TERMS:  
50% DOWN @ START  
25% @ HALF  
BALANCE AT COMPLETION

MAKE CHECKS PAYABLE TO  
G.T.SMITH JR. INC

SIGN HERE TO ACCEPT QUOTE:

---

AUTHORIZED REP

DATE

THANK YOU,  
GARY SMITH JR

G.T. SMITH JR. INC.

# INVOICE


G.T. SMITH JR. INC.  
179 SOUTH ASHBURNHAM RD  
WESTMINSTER MA 01473

5/6/2021  
(978)833-8270  
GTSMITHLC@AOL.COM

**BILL TO:** Jin Lai & Jing Tang  
2 Sandy Hill Rd  
Wayland MA

DESCRIPTION	AMOUNT
1 Balance on excavating for recharge trench and cleaning replication area.	\$9,150.00

TOTAL \$9,150.00

PAID 

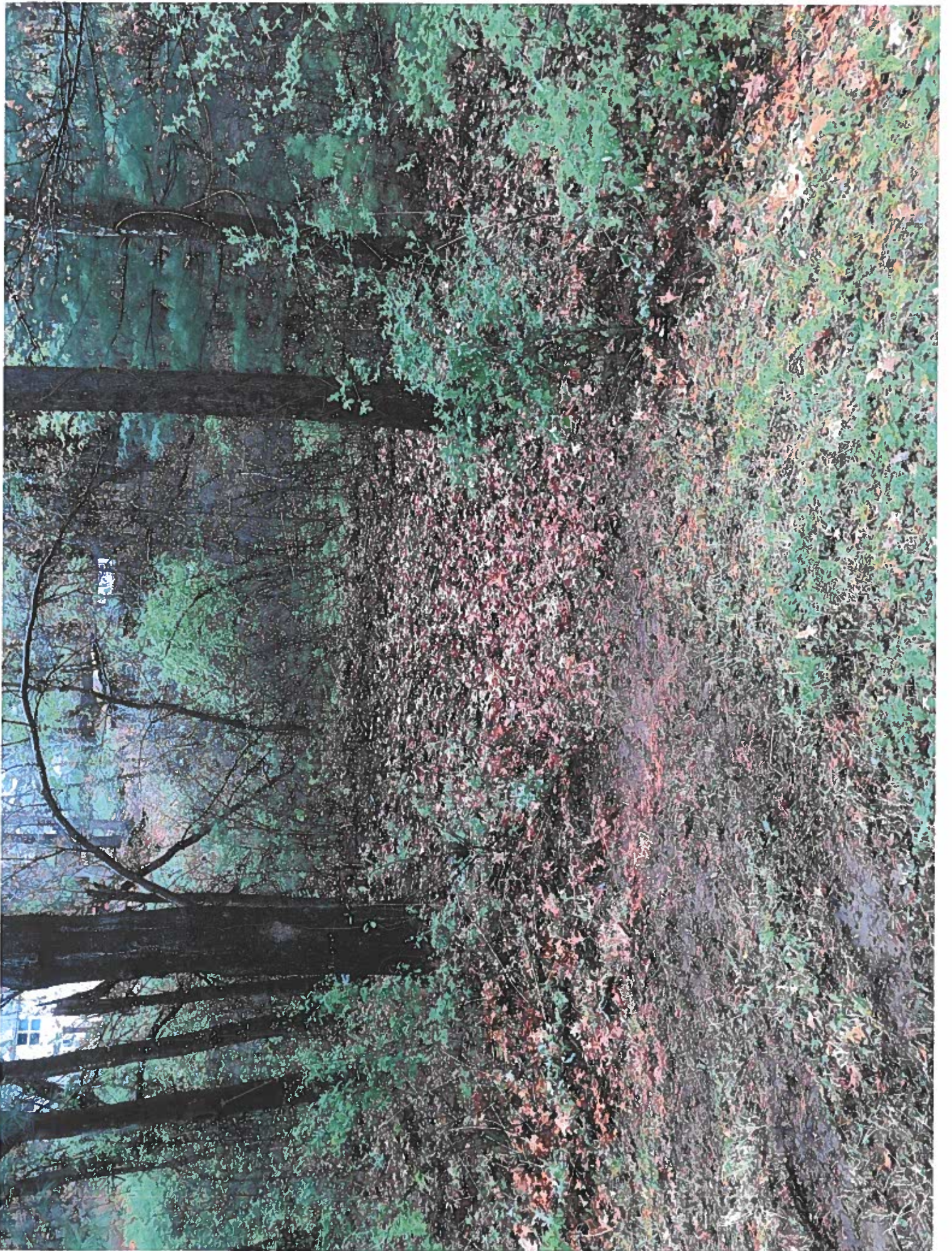
THANK YOU,  
GARY SMITH JR

G.T. SMITH JR. INC.



















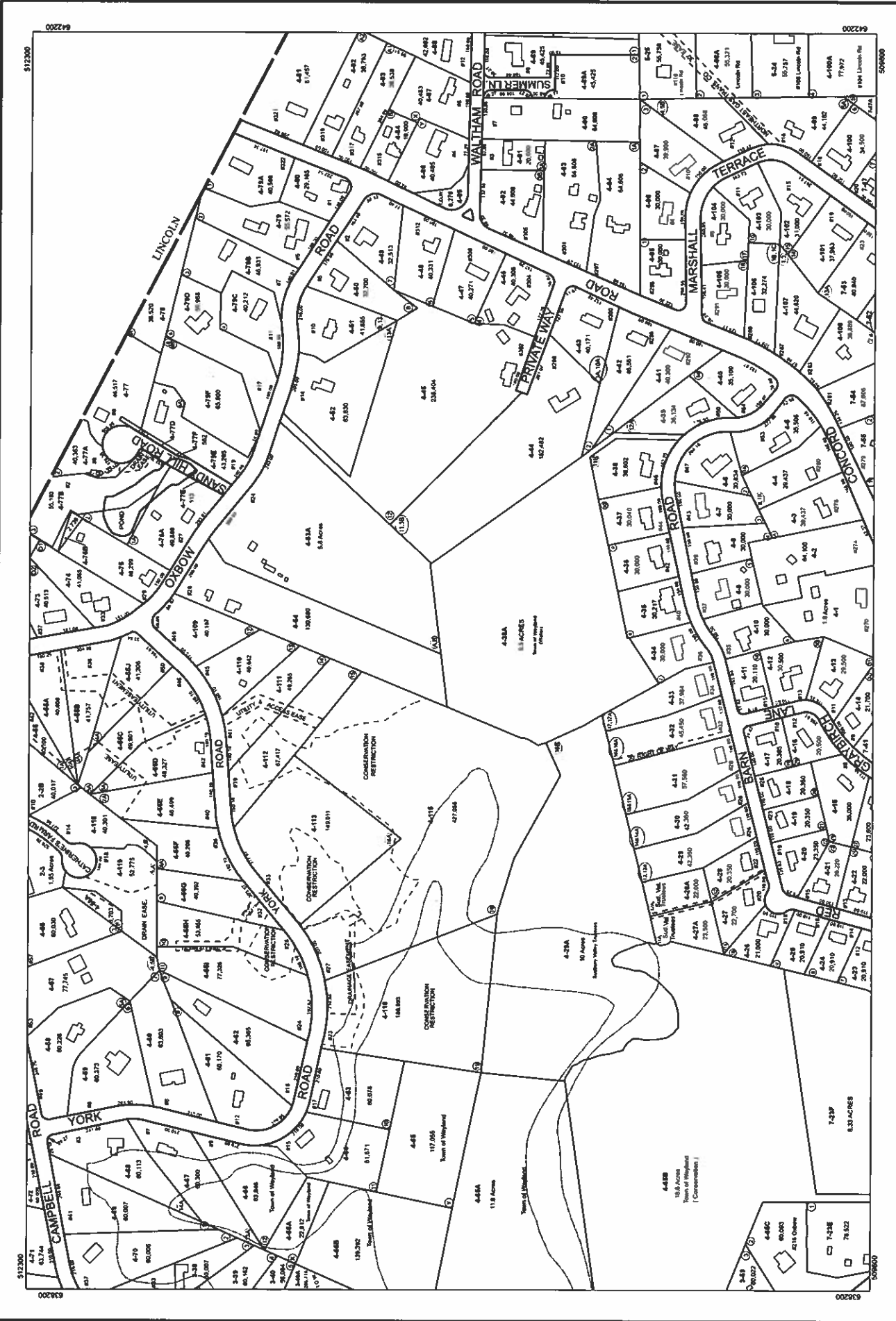










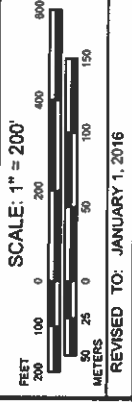


MAP NO. **4**

INDEX DIAGRAM ON

1	2	3	4	5
6	7	8	9	10

PROPERTY MAPS  
**WAYLAND**  
 MASSACHUSETTS



REVISÉ & REPRINTED BY

**CAI Technologies**  
 Precision Mapping Geospatial Solutions  
 11 Pleasant Street, Littleton, MA 03581  
 603.322.1540 • www.cai-tech.com

THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.

THE HORIZONTAL DATUM IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, NAD 83.

1987 FLOOD PLAIN DATA FROM MASSGIS



**Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application**

**1. Applicant:**

Vivian and Norman Marowitz		vivianmx3@gmail.com	
Name (PLEASE PRINT)		Email Address (if applicable)	
41 Knollwood Lane	Wayland	MA	01778
Mailing Address	City/Town	State	Zip Code
978-387-5555			
Phone Number		Fax Number (if applicable)	

**2. Representative:**  
EcoTec, Inc.

EcoTec, Inc.		Arthur Allen	
Firm/Business Name		Contact Name	
102 Grove Street	Worcester	MA	01605
Mailing Address	City/Town	State	Zip Code
508-752-9666	aallen@ecotecinc.com		
Phone Number		Fax Number (if applicable)	

**3. Property Owner(s)**  
Same as Applicant

Same as Applicant			
Property Owner (PLEASE PRINT)		Email Address (if applicable)	
Address	City/Town	State	Zip Code
Phone Number		Fax Number (if applicable)	

**4. Type of Application**

- |   |   |
|---|---|
| <input type="checkbox"/> Request for a Determination of Applicability (RDA) | <input type="checkbox"/> Notice of Intent (NOI)               |
| <input type="checkbox"/> Abbreviated NOI                                    | <input type="checkbox"/> Extension of O.O.C.                  |
| <input type="checkbox"/> Notice of Resource Area Delineation                | <input checked="" type="checkbox"/> Certificate of Compliance |
| <input type="checkbox"/> After the Fact Amendment (AFA)                     | <input type="checkbox"/> After the Fact Filing (AFF)          |
| <input type="checkbox"/> Amendment to Order of Conditions                   |   |

**5. Project**

41 Knollwood Lane	47C	27
Location Address	Assessors Map(s)	Parcel(s)

Project Description (PLEASE PRINT): Waterfront and Buffer Zone improvements have been completed under DEP File No. 322-924.

**6. Title/Date of Plan(s)**

Plan Showing Existing Conditions/April 22, 2021  
As-Built Planting Plan/ September, 2019

**7. Bylaw Application Fee:** \$ 50

**8. Application filed pursuant to MGL Chapter 131, Section 40**  Yes  No

**9. Signature of Applicant** Vivian M. Marowitz Date 5/5/2021  
**Signature of Property Owner** Vivian M. Marowitz Date 5/5/2021

**(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)**

April 30, 2021

Wayland Conservation Commission  
Town of Wayland  
41 Cochituate Road  
Wayland, MA 01778

Re: 41 Knollwood Lane, Wayland  
DEP File Number 322-924

To the Conservation Commission:

On April 28, 2021, I conducted a field review of the above-referenced site, to observe the status of completion of proposed hardscape improvements. Plant verification will be provided by others.

During that visit the site appeared to be fully stabilized, and based on visual observation, the site work appears to have been completed in general conformance with the site plan issued by this office for the work, with the following noted minor exceptions:

- During restoration of the upper deck, it was found that an existing tree had died and was removed. A tree root to a second tree was severed during construction, and a 15' tree stump was left in place.
- A small stone wall was constructed below the upper deck, to retain crushed stone surface finish under the deck
- Flat stones were added for pedestrian safety and access, on the pea stone path from the patio to the stairs to the pond, and on the side yard.
- Steps and railings on the stairway to the pond were adjusted to accommodate grade changes. Stones were placed on the high side and low side to provide surface stability against erosion.
- Crushed stone was placed on the ground surface under the three season room, to deter pests.

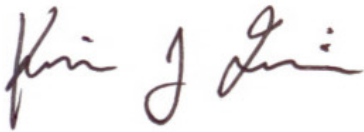
- Crushed stone was placed on the ground surface under the restored deck
- A boat storage rack was relocated to the east side of the lower deck. The rack is not a permanent fixture.

It is my belief that all of the observed deviations are surface stable against erosion.

Please contact this office with any questions you may have.

Respectfully submitted

QUINN ENGINEERING, INC.

A handwritten signature in dark ink, appearing to read "Kevin J. Quinn". The signature is written in a cursive style with a large, stylized initial "K".

Kevin J. Quinn, P.E.

President



**From:** [VMX6](#)  
**To:** [Arthur Allen](#)  
**Subject:** Marowitz 41 Knollwood Ln, Wayland, MA photos 1 of 2  
**Date:** Tuesday, April 27, 2021 4:08:11 PM

---

Hi Art,

Attached you will find the photos for the Certificate of Compliance. Sorry for the delay I'm getting these to you. Please let me know if you have any questions or concerns.

The photo files are too large to send all of them in one email so another email will follow with the other photos.

Regards,

Vivian















--

Vivian Marowitz  
41 Knollwood Ln  
Wayland, MA 01778  
978-387-5555



**From:** [VMX6](#)  
**To:** [Arthur Allen](#)  
**Subject:** Marowitz 41 Knollwood Ln, Wayland, MA photos 2 of 2  
**Date:** Tuesday, April 27, 2021 4:10:40 PM

---

Hi Art,

Attached you will find the remaining photos for the Certificate of Compliance.

Regards,

Vivian











--

Vivian Marowitz  
41 Knollwood Ln  
Wayland, MA 01778  
978-387-5555

**PLAN SHOWING EXISTING CONDITIONS  
 PREPARED FOR  
 VIVIAN MYERS-MAROWITZ  
 41 KNOLLWOOD LANE  
 WAYLAND, MASSACHUSETTS  
 APRIL 22, 2021  
 SCALE: 1 INCH = 20 FEET**

**JARVIS LAND SURVEY, INC  
 29 GRAFTON CIRCLE  
 SHREWSBURY, MA 01545  
 TEL. (508) 842-8087  
 FAX. (508) 842-0661  
 EMAIL: KEVIN@JARVISLANDSURVEY.COM**

\*THE SURVEYOR RETAINS COPYRIGHT TO THE PLAN OF SURVEY, AND RE-USE OF THIS PLAN IS NOT ALLOWED WITHOUT PERMISSION FROM THE SURVEYOR.

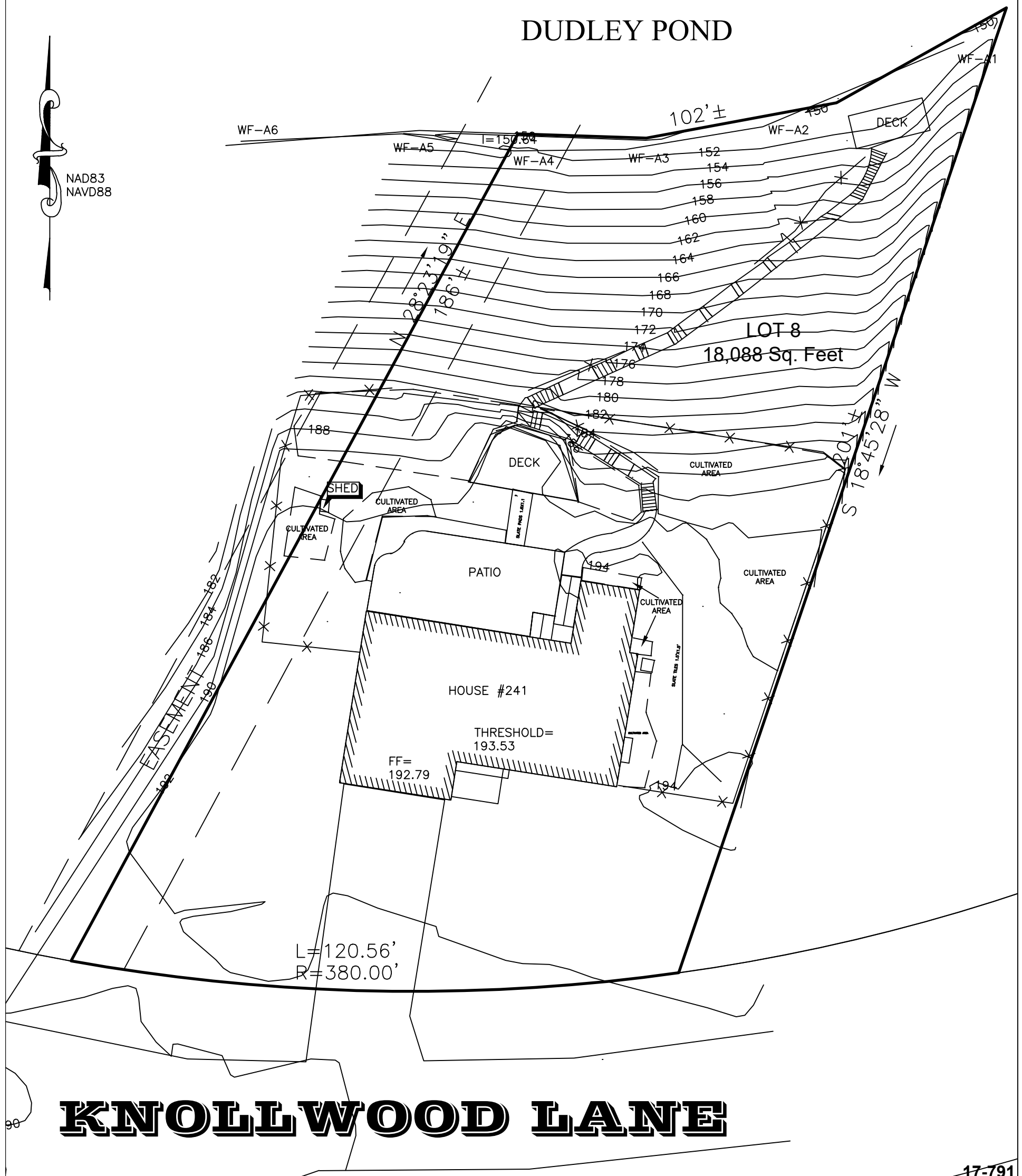
**ASSESSORS MAP 47C  
 LOT 27**

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT DISCLOSE.
2. **THIS PLAN HAS NOT BEEN PREPARED FOR RECORDING PURPOSES.**
3. THE LICENSED MATERIAL CONTAINS VALUABLE PROPRIETARY INFORMATION BELONGING EXCLUSIVELY TO JARVIS LAND SURVEY, INC. THE LICENSED MATERIAL AND THE INFORMATION CONTAINED THEREON ARE COPYRIGHTED INSTRUMENTS OF PROFESSIONAL SERVICES AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PROJECT OTHER THAN THAT FOR WHICH THEY WERE CREATED, WITHOUT THE EXPRESS WRITTEN CONSENT OF JARVIS LAND SURVEY, INC. **YOU AGREE NEVER TO REMOVE ANY NOTICES OF COPYRIGHT, NOR TO REPRODUCE OR MODIFY THE LICENSED MATERIAL.**

**ZONING DATA:**

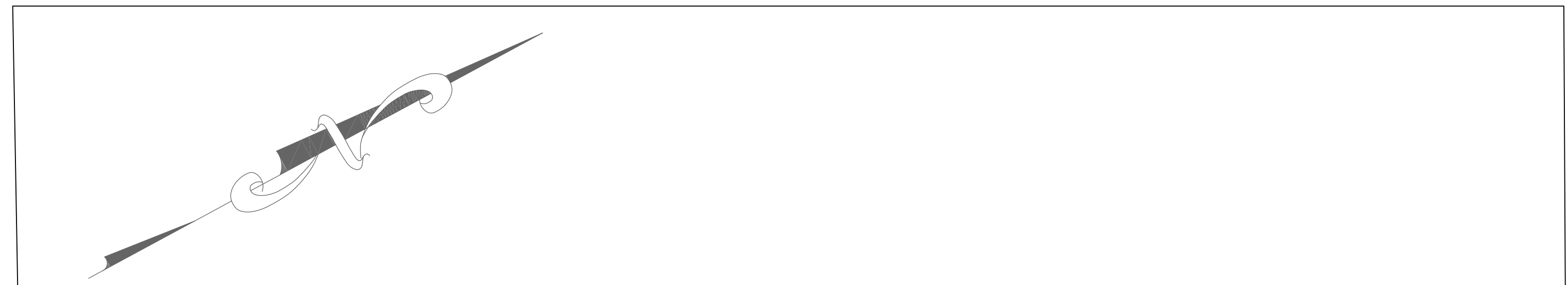
R20  
 LOT AREA = 20,000 S.F.  
 LOT FRONTAGE = 120'  
 FRONT YARD SETBACK = 30'  
 SIDE YARD SETBACK = 15'  
 REAR YARD SETBACK = 30'

**\*NOT FOR  
 REUSE**





SYM	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
<b>TREES</b>					
AB	1	ABIES BALSAMEA	BALSAM FIR	7-8 FT.	BB
AC	2	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	2.5" CAL	BB
<b>SHRUBS</b>					
JH	5	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR JUNIPER	#3 POT	
KL	6	KALMIA LATIFOLIA 'CAROUSEL'	MOUNTAIN LAUREL	3.5-4 FT.	BB
LB	2	LINDERA BENZOIN	SPICEBUSH	2-2.5 FT.	BB
CA	1	CLETHRA ALNIFOLIA 'SIXTEEN CANDLES'	SUMMERSWEET	#10 POT	
IV	1	ILEX VERTICILLATA	COMMON WINTERBERRY	2-2.5 FT.	BB
<b>PERENNIALS AND GROUND COVERS</b>					
AQ	3	AQUILEGIA CANADENSIS	AMERICAN COLUMBINE	#1 POT	
MD	2	MONARDA DIDYMA	BEEBALM	#2 POT	
KF	2	CALAMAGROSTIS 'KARL FOERSTER'	FEATHER REED GRASS	#2 POT	
SN	1	SALVIA NEMOROSA 'MARCUS'	MARCUS SAGE	#2 POT	
AN	3	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	#2 POT	
LS	4	LIATRIS SPICATA	BLAZINGSTAR	#2 POT	
AF	6	ATHYRIUM FILIX-FEMINA	LADY FERN	#3 POT	
CV	103	CHRYSOGONUM VIRGINIANUM	GOLDEN STAR	#1 POT 18" O.C.	



NO.	DESCRIPTION	DATE

REVISIONS



Proj. Mgr: JC  
 Designed: JC  
 Drawn: JC  
 Checked:  
 Scale: AS NOTED  
 Date: SEPT 2019

PLANTING PLAN AS BUILT  
 MAROWITZ RESIDENCE  
 41 KNOLLWOOD LANE, WAYLAND MA

Proj. No.  
 Dwg. No.

L-1





**Massachusetts Department of Environmental Protection**  
**Bureau of Resource Protection - Wetlands**  
**WPA Form 8A – Request for Certificate of Compliance**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

Provided by DEP

**A. Project Information**

**Important:**  
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:  
 Carla and Warren Morss

Name			
33 Bayfield Road			
Mailing Address			
Wayland		MA	01778
City/Town		State	Zip Code
617-240-8099			
Phone Number			

2. This request is in reference to work regulated by a final Order of Conditions issued to:  
 Warren Morss

Applicant		322-592	
November 12, 2004		DEP File Number	
Dated			

3. The project site is located at:

33 Bayfield Road		Wayland, MA 01778	
Street Address		City/Town	
47A		092	
Assessors Map/Plat Number		Parcel/Lot Number	

4. The final Order of Conditions was recorded at the Registry of Deeds for:

Carla and Warren Morss		
Property Owner (if different)		
Middlesex	42637	112
County	Book	Page

Certificate (if registered land)

5. This request is for certification that (check one):

- the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.  
 the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

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- the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands  
**WPA Form 8A – Request for Certificate of Compliance**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

\_\_\_\_\_  
Provided by DEP

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### A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

No

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### B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/dep/about/region/findyour.htm>).

**Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application**

**1. Applicant:**

Name (PLEASE PRINT)	Warren Morss	Email Address (if applicable)	wmorss1@gmail.com
Mailing Address	33 Bayfield Road	City/Town	State Zip Code
Phone Number	617-240-8099	Fax Number (if applicable)	

**2. Representative:**

Firm/Business Name		Contact Name	
Mailing Address		City/Town	State Zip Code
Phone Number		Fax Number (if applicable)	

**3. Property Owner(s)**

Property Owner (PLEASE PRINT)	Carla and Warren Morss	Email Address (if applicable)	wmorss1@gmail.com
Address	33 Bayfield Road	City/Town	State Zip Code
Phone Number		Fax Number (if applicable)	

**4. Type of Application**

- |   |   |
|---|---|
| <input type="checkbox"/> Request for a Determination of Applicability (RDA) | <input type="checkbox"/> Notice of Intent (NOI)               |
| <input type="checkbox"/> Abbreviated NOI                                    | <input type="checkbox"/> Extension of O.O.C.                  |
| <input type="checkbox"/> Notice of Resource Area Delineation                | <input checked="" type="checkbox"/> Certificate of Compliance |
| <input type="checkbox"/> After the Fact Amendment (AFA)                     | <input type="checkbox"/> After the Fact Filing (AFF)          |
| <input type="checkbox"/> Amendment to Order of Conditions                   |   |

**5. Project**

Location Address	33 Bayfield Road	Assessors Map(s)	47A	Parcel(s)	092
------------------	------------------	------------------	-----	-----------	-----

Project Description (PLEASE PRINT): 322-592 Addition to Existing Single-Family Home, Replacement of Failed Septic System, and Tree Removal, 2004

6. Title/Date of Plan(s) Sheet C-1, Morss Residence 33 Bayfield Road, Wayland Septic System Plan, Truman Engineering Services, Inc., and Sheet C-2, Morss Residence 33 Bayfield Road Wayland, MA Septic System Details, Truman Engineering Services, 09/07/2004

7. Bylaw Application Fee: \$50

8. Application filed pursuant to MGL Chapter 131, Section 40  Yes  No

9. Signature of Applicant  Date 05/17/2021

Signature of Property Owner  Date 05/17/2021

(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)

**Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application**

**1. Applicant:**

Name (PLEASE PRINT)	Warren Morss	Email Address (if applicable)	wmorss1@gmail.com
Mailing Address	33 Bayfield Road	City/Town	Wayland, MA 01778
Phone Number	617-240-8099	Fax Number (if applicable)	

**2. Representative:**

Firm/Business Name		Contact Name	
Mailing Address		City/Town	
Phone Number		Fax Number (if applicable)	

**3. Property Owner(s)**

Property Owner (PLEASE PRINT)	Carla and Warren Morss	Email Address (if applicable)	wmorss1@gmail.com
Address	33 Bayfield Road	City/Town	Wayland, MA 01778
Phone Number		Fax Number (if applicable)	

**4. Type of Application**

- |   |   |
|---|---|
| <input type="checkbox"/> Request for a Determination of Applicability (RDA) | <input type="checkbox"/> Notice of Intent (NOI)               |
| <input type="checkbox"/> Abbreviated NOI                                    | <input type="checkbox"/> Extension of O.O.C.                  |
| <input type="checkbox"/> Notice of Resource Area Delineation                | <input checked="" type="checkbox"/> Certificate of Compliance |
| <input type="checkbox"/> After the Fact Amendment (AFA)                     | <input type="checkbox"/> After the Fact Filing (AFF)          |
| <input type="checkbox"/> Amendment to Order of Conditions                   |   |

**5. Project**

Location Address	33 Bayfield Road	Assessors Map(s)	47A	Parcel(s)	092
------------------	------------------	------------------	-----	-----------	-----

Project Description (PLEASE PRINT): D-775. Dock Installation 2011

**6. Title/Date of Plan(s)**

Proposed Pier/Dock 33 Bayfield Road Wayland 04/21/2010  
Appendix C Simplified License Plan

**7. Bylaw Application Fee:**

\$50.

**8. Application filed pursuant to MGL Chapter 131, Section 40**  Yes  No

**9. Signature of Applicant**



Date 05/17/2021

**Signature of Property Owner**



Date 05/17/2021

**(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)**



Wayland Wetlands and Water Resources Bylaw, Chapter 194 Application

1. Applicant:

Name (PLEASE PRINT)	Warren Morss	Email Address (if applicable)	
Mailing Address	33 Bayfield Road	City/Town	State Zip Code
Phone Number	617-240-8099	Fax Number (if applicable)	

2. Representative:

Firm/Business Name	Contact Name		
Mailing Address	City/Town	State	Zip Code
Phone Number	Fax Number (if applicable)		

3. Property Owner(s)

Property Owner (PLEASE PRINT)	Carla and Warren Morss	Email Address (if applicable)	
Address	33 Bayfield Road	City/Town	State Zip Code
Phone Number	Wayland, MA 01778	Fax Number (if applicable)	

4. Type of Application

- Request for a Determination of Applicability (RDA)
- Abbreviated NOI
- Notice of Resource Area Delineation
- After the Fact Amendment (AFA)
- Amendment to Order of Conditions
- Notice of Intent (NOI)
- Extension of O.O.C.
- Certificate of Compliance
- After the Fact Filing (AFF)

5. Project

Location Address	33 Bayfield Road	47A	092
		Assessors Map(s)	Parcel(s)

Project Description (PLEASE PRINT): D-934, Construction Of A Screened Porch 2018

6. Title/Date of Plan(s) Proposed Plot Plan in Wayland, MA , prepared by Precision Land Surveying, Inc. May 23, 2018

7. Bylaw Application Fee: \$50.

8. Application filed pursuant to MGL Chapter 131, Section 40 [X] Yes [ ] No

9. Signature of Applicant [Signature] Date 05/17/2021

Signature of Property Owner [Signature] Date 05/17/2021

(NOTE: This application shall be signed by the property owner as well as the applicant. Signature of the property owner on this application shall be deemed permission granted to the Conservation Commission and their agents to go upon the subject property.)

## Wayland Conservation Commission Meeting Minutes

Wednesday May 5, 2021

Approved:

Location: Commission members participated remotely via Zoom

Present: Sean Fair (Chair), Barbara Howell (Vice Chair), Tom Davidson, Kathy Schreiber, Joanne Barnett, Luke Legere, and Linda Hansen (Conservation Department Director)

Absent: John Sullivan

Minutes: Ryan Brown

**S. Fair opened the meeting at 6:40PM, noting that the meeting was being recorded by WayCam and a quorum was present consisting of Sean Fair, Barbara Howell, Tom Davidson, and Luke Legere. Joanne Barnett arrived at 6:42PM. Kathy Schreiber arrived at 6:43PM**

**125 – 127 Boston Post Road DEP File # 322-970 Continued Public Hearing, Notice of Intent** filed pursuant to Wayland's Wetlands and Water Resource Protection Bylaw (Chapter 194) and the Wetlands Protection Act (310 CMR 10.0), submitted by Robert Lyons for the repair and replacement of an on-site septic system for an existing two family dwelling at 125 – 127 Boston Post Road, Wayland, MA. Property is shown on Assessor's Map 30 Parcel 73.

L. Hansen noted that the plan has been revised to include a stone trench to capture driveway runoff from entering the cold water stream located behind the property. DEP issued the DEP file number since the previous hearing.

B. Howell moved, L. Legere seconded the motion to close the hearing under the Wetlands Protection Act and Chapter 194. S. Fair initiated a roll call vote. All in favor 6-0.

B. Howell moved, L. Legere seconded the motion to issue Order of Conditions under the Wetlands Protection Act and a permit under Chapter 194. S. Fair initiated a roll call vote. All in favor 6-0.

### **Request For Certificate of Compliance: 9 Charles Street DEP File #322-937**

L. Hansen stated that she would like to inspect the site and verify the septic and dry well installation.

V. Colonna stated that the applicant plans on removing four additional trees outside of the 100-foot buffer that are close to the porch.

B. Howell moved, J. Barnett seconded the motion to issue a Partial Certificate of Compliance for 9 Charles Street DEP File# 322-937 under the Wetlands Protection Act and under Chapter 194. S. Fair initiated a roll call vote. All in favor 6-0.

**119 Dudley Pond Road DEP File #322-XXX: Public Hearing Notice of Intent** filed pursuant to Wayland's Wetlands and Water Resource Protection Bylaw (Chapter 194) and the Wetlands Protection Act (310 CMR 10.0), submitted by Joe Bertola for demolition of existing home, construction of a new home, and the replacement of a noncompliant septic system at 119 Dudley Pond Road in Wayland, MA. Property is shown on Assessor's Map 47A, Parcel 74.

L. Hansen noted that the applicant requested a continuance to the May 26<sup>th</sup> Conservation Commission meeting, stating that the abutter notices were not sent out in time for this meeting.

## Wayland Conservation Commission Meeting Minutes

Wednesday May 5, 2021

Approved:

B. Howell moved, J. Barnett seconded the motion to continue the hearing under the Wetlands Protection Act and Chapter 194 to May 26<sup>th</sup> at a time after 6:30PM. S. Fair initiated a roll call vote. All in favor 6-0.

L. Hansen suggested that the Commission visit the property before the next meeting, noting two unpermitted concrete docks on the property.

**3 Wheelock Road, D-972 Public Meeting to consider a Request for Determination** filed pursuant to Wayland's Wetlands and Water Resource Protection Bylaw (Chapter 194) and the Wetlands Protection Act (310 CMR 10.0), submitted by Gina Barnhouse for the installation of a shed at 3 Wheelock Road in Wayland, MA. Property is shown on Assessor's Map 24, Parcel 070.

G. Barnhouse, applicant, present for meeting. L. Hansen worked with G. Barnhouse to identify a suitable location for the shed. Wetlands and riverfront put constraints on the property, the shed location is located on a previously altered area. No concrete slab will be poured for the shed.

B. Howell moved, L. Legere seconded the motion to issue a negative determination under the Wetlands Protection Act and a permit under Chapter 194. S. Fair initiated a roll call vote. All in favor 6-0.

**24 School Street DEP File # 322-965: Continued Public Hearing, Notice of Intent** filed pursuant to the Wetlands Protection Act, submitted by Chris D'Antonio for the construction of twelve new townhouses, driveway and parking areas, subsurface sewage disposal system, stormwater management system, and supporting utilities at 24 School Street in Wayland, MA. Property is shown on Assessor's Map 52, Parcel 189.

Applicant asked for a continuance.

B. Howell moved, J. Barnett seconded the motion to continue the hearing under the Wetlands Protection Act to May 26<sup>th</sup> 2021 at a time after 6:30PM. S. Fair initiated a roll call vote. All in favor 6-0.

### **Request For Certificate of Compliance: 20 Rich Valley Road DEP File #322-781**

Postponed, applicant has not provided all the necessary paperwork.

### **Request For Certificate of Compliance: 10 Covered Bridge D-962**

L. Hansen noted that the several trees were left as snags. J. Barnett asked if there was a way for the snags to be memorialized in the deed, so the next owner of 10 Covered Bridge does not remove the snags. L. Hansen will send the new owner of 10 Covered Bridge a letter, reminding them of the purpose of trees left as snags.

B. Howell moved, L. Legere seconded the motion to issue a Full Certificate of Compliance for 10 Covered Bridge Land D-962 under Chapter 194. S. Fair initiated a roll call vote. All in favor 6-0.

### **Request For Certificate of Compliance: 147 Plain Road DEP File# 322-411**

K. Schreiber, applicant, stated that she would like to have the meadow preserved if possible. L. Hansen stated that she will look into the order of conditions.

## Wayland Conservation Commission Meeting Minutes

Wednesday May 5, 2021

Approved:

K. Schreiber recused herself from voting on this motion.

B. Howell moved to issue a Complete Certificate of Compliance for 147 Plain Road DEP File# 322-411 under the Wetlands Protection Act. S. Fair initiated a roll call vote. 5 in favor, 1 abstained (K. Schreiber).

### **Request For Certificate of Compliance: Lake Cochituate (DCR) DEP File# 322-643**

L. Hansen stated that the applicant would like to continue to the May 26<sup>th</sup> meeting in order to close out on this project and to present a new NOI for invasive aquatic weed management on Lake Cochituate.

### **104 Plain Road Conservation Restriction**

L. Hansen asked the Commission if a peer review of the CR for 104 Plain Road would be necessary. L. Hansen noted that the permitted acts section of the CR is missing, with only the prohibited acts provided. L. Legere requested that the applicant provide a clean copy of the CR document in order for the Commission to clearly review the changes. L. Legere noted his experience in drafting CR documents and would be fine reviewing the CR for 104 Plain Road, provided that the Commission agrees to this action.

### **Review request from Dudley Chateau to continue outdoor dining**

L. Hansen stated that the Dudley Chateau would like to continue offering outdoor dining for at least an additional year. Given the proximity to Dudley Pond, L. Hansen suggested that the Dudley Chateau file their outdoor dining plan with the Commission. L. Hansen will inform the Board of Selectmen of the Commission's decision to require the Dudley Chateau to file for a permit.

### **Status of seasonal employees and possible land management changes**

L. Hansen stated, because of the COVID-19 pandemic, seasonal employees are now eligible to file for unemployment at the end of their seasonal employment. The Town is responsible for paying for half of these claims. The request to the Massachusetts Department of Labor for seasonal employees has been rejected. The Town Administrator suggested hiring contractors to maintain conservation properties in the absence of seasonal employees. L. Hansen stated that with the current lack of seasonal employees, she is suggesting closing some of the more high traffic properties, such as Cow Common during the bobolink nesting season. S. Fair stated his concern about the current situation extending beyond this field season and would like for things to return to normal if not this field season, then certainly next season. L. Hansen stated that the Town's Human Resources Manager will be meeting with the Department of Labor to discuss seasonal hiring. Property closures will be proceeded with educational information explaining the reasons for the actions taken by the Commission.

B. Howell moved, J. Barnett seconded the motion to allow the Conservation Department to close off public access to Cow Common Conservation Area during the bobolink nesting season. S. Fair initiated a roll call vote. All in favor 6-0.

### **Approve Minutes**



## Wayland Conservation Commission Meeting Minutes

Wednesday May 5, 2021

Approved:

B. Howell moved, J. Barnett seconded the motion to approve the minutes from 04.14.2021. S. Fair initiated a roll call vote. All in favor 6-0.

### **Adjournment**

L. Legere moved, J. Barnett seconded the motion to adjourn the meeting at 7:14PM. S. Fair initiated a roll call vote. All in favor 6-0.

*The next meeting of the Wayland Conservation Commission is scheduled for Wednesday May 26th, 2021 at 6:30PM.*