

**REQUEST FOR DETERMINATION  
OF APPLICABILITY**

For Installation of a New Enhanced Treatment  
Septic System

At

14 Tautemo Road  
Nantucket, MA

June 2021

Prepared for

**Charles & Harriet Moores**

By

**BLACKWELL & ASSOCIATES, Inc.**  
Professional Civil Engineers & Land Surveyors  
20 Teasdale Circle  
Nantucket, MA 02554  
508-228-9026



**Property Information**

Property ID 83 13  
 Location 14 TAUTEMO WY  
 Owner MOORES CHARLES IV & HARRIET TRS



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town and County of Nantucket, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 05/18/2021  
 Data updated Jan. 2021

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.





LOCUS - 1 Markers, Length = 0 feet

LOCUS - 041° 15' 24.4" N, 070° 09' 04.4" W

Name: NANTUCKET  
 Date: 6/15/121  
 Scale: 1 inch equals 2000 feet

Location: 041° 15' 33.2" N 070° 09' 06.5" W





# 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:

Charles W. Moores and Harriet K. Moores, Trustees  
Name 1073tonimoores@gmail.com  
E-Mail Address

4 Deer Run  
Mailing Address

Wayland  
City/Town MA  
State 01778  
Zip Code

508-358-7604  
Phone Number Fax Number (if applicable)

2. Representative (if any):

Blackwell & Assoc., Inc.  
Firm

Jeffrey Blackwell  
Contact Name jeff@blackwellsurvey.com  
E-Mail Address

20 Teasdale Circle  
Mailing Address

Nantucket  
City/Town MA  
State 02554  
Zip Code

508-228-9026  
Phone Number Fax Number (if applicable)

## B. Determinations

1. I request the Nantucket 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:

Nantucket  
Name of Municipality

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



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## C. Project Description

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

<u>14 Tautemo Way</u>	<u>Nantucket</u>
Street Address	City/Town
<u>83</u>	<u>13</u>
Assessors Map/Plat Number	Parcel/Lot Number

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

The Moores property is located along Hummock Pond, within the Board of Health Hummock Pond Watershed District. A Bordering Vegetated Wetland was delineated by Brian Madden of LEC Environmental.

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

<u>Site Plan To Accompany A Request For Determination Of Applicability</u>	<u>June 16, 2021</u>
Title	Date
<u> </u>	<u> </u>
Title	Date
<u> </u>	<u> </u>
Title	Date

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

The existing septic tank will be pumped empty and filled with flowable fill concrete. A new enhanced treatment SeptiTech system will be installed. The new leach field will be more than 100' from the Bordering Vegetated Wetland. Disturbed areas will be stabilized with a 6" layer of loam and planted with grass.

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### 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).

All work will take place within the Buffer Zone, more than 50' from the BVW.

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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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### 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:

Charles & Harriet Moores

Name

4 Deer Run

Mailing Address

Wayland

City/Town

MA

State

02554

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.

Jeff Reeco, Agent  
Signature of Applicant

6/16/2021

Date

Jeff Reeco  
Signature of Representative (if any)

6/16/2021

Date

**D.E.P. Bordering Vegetated Wetland**

**Delineation Field Data Forms**

**By:**

**Brian Madden  
L.E.C.**



## MassDEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: Moore's Realty Trust Prepared by: LEC Environmental Project location: 14 Tautemo Way, Nantucket DEP File #: \_\_\_\_\_

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

### Section I.

Vegetation	Observation Plot Number: <b>1</b>		Transect Number:	Date of Delineation: <b>2/4/21</b>
A. Sample Layer & Plant Species (by common/scientific name)	B. Percent Cover (or basal Area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
<u>Ground</u>				
Bayberry ( <i>Myrica pensylvanica</i> )	38.0	100.0	Yes	FAC *
<u>Saplings</u>				
Bayberry	63.0	63.0	Yes	FAC *
Winterberry ( <i>Ilex verticillata</i> )	20.5	20.5	Yes	FACW+ *
Poison ivy ( <i>Toxicodendron radicans</i> )	10.5	10.5	No	
Arrowwood ( <i>Viburnum dentatum</i> )	3.0	10.5	No	
Virginia rose ( <i>Rosa virginiana</i> )	3.0	10.5	No	

\* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

### Vegetation conclusion:

Number of dominant wetland indicator plants: **3**

Number of dominant non-wetland indicator plants: **0**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? **YES** no

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent

## Section II. Indicators of Hydrology

### Hydric Soil Interpretation

#### 1. Soil Survey

Is there a published soil survey for this site? **YES**  
 title/date: **NRCS Web Soil Survey**  
 map number:  
 soil type mapped: **Evesboro sand**  
 hydric soil inclusions: **N/A (Water/saline)**

Are field observations consistent with soil survey? **YES**  
 Remarks:

#### 2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
O	0.5-0"		
A	0-5"	10 YR 2/1	
B	5-12"	10 YR 4/6	
B	12-24"	10 YR 5/8	

Remarks:  
**Plot taken with hand-held auger upgradient of wetland flag 3.**

#### 3. Other:

Conclusion: Is soil hydric? **NO**

BVW boundary defined by a distinct topographic break along shoreline to Hummock Pond.

No Wetland Field Data Form, open water present below BVW boundary.

## 14 Tautemo Way, Nantucket

### Other Indicators of Hydrology: (check all that apply & describe)

- Site Inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment Deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded Data (streams, lake, or tidal gauge; aerial photo; other):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- Other: \_\_\_\_\_

### Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ # of non-wetland indicator plants	X	—
<b>Wetland hydrology present:</b>		
Hydric soil present	—	X
Other indicators of hydrology present	—	X
<b>Sample location is in a BVW</b>	—	X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

CURRENT ZONING CLASSIFICATION:  
Residential 20 (R-20)

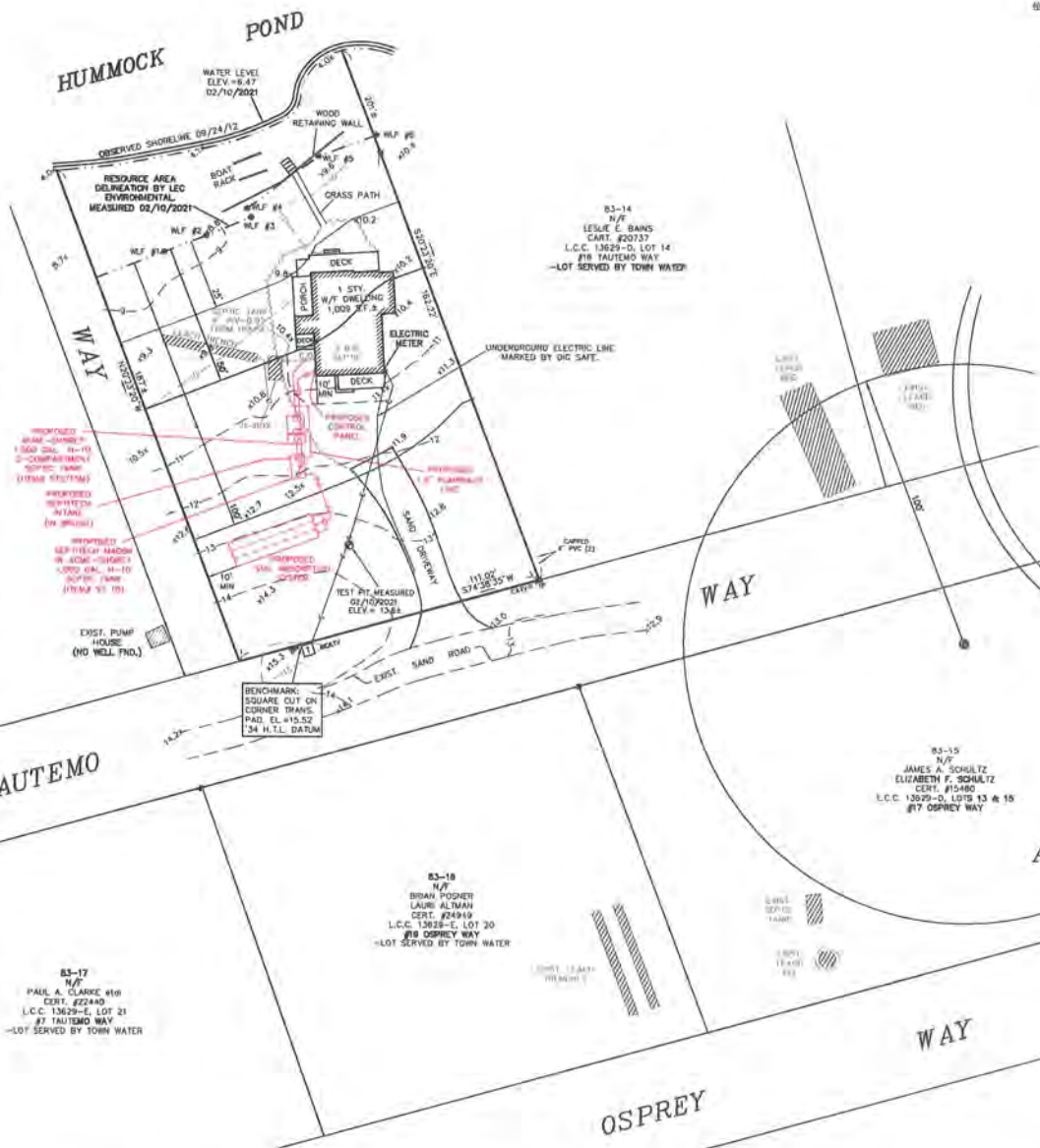
MINIMUM LOT SIZE: 20,000 S.F.  
MINIMUM FRONTAGE: 75 FT.  
FRONT YARD SETBACK: 30 FT.  
REAR/SIDE SETBACK: 10 FT.  
GROUND COVER %: 12.5%

DIRECTION OF  
GROUNDWATER FLOW  
PER H.W.H. MAP #2



L.C.C. 03629-E

83-12  
N/F  
TAUTEMO WAY REALTY TRUST  
CERT. #21530  
L.C.C. 13629-E, LOT 18  
#12 TAUTEMO WAY  
-LOT SERVED BY TOWN WATER



NOTE: SEPTIC SYSTEM AND WELL LOCATIONS  
SHOWN HEREON ARE BASED UPON  
RECORD FILES AT THE NANTUCKET  
HEALTH DEPARTMENT AND A  
FIELD SURVEY.

LOCUS SERVED BY TOWN WATER



**OWNER INFORMATION**

MOORES REALTY TRUST  
CERT. OF TITLE #20520  
L.C.C. 13629-E, LOT 19  
ASSESSOR'S MAP #3, PARCEL 13  
#14 TAUTEMO WAY

**LEGEND**

- DENOTES CONCRETE FOUND WITH DRAINAGE FOUND
- DENOTES EXIST. GRADE CONTROL LAINE
- DENOTES EXIST. GRADE SPOT ELEVATION
- DENOTES EXIST. EDGE OF SHOULDER
- ⊙ DENOTES EXIST. WELL
- DENOTES EXIST. TRANSDUCER
- DENOTES EXIST. TELEPHONE FENCELINE
- DENOTES EXIST. CANY FENCELINE
- DENOTES PROPOSED CLEANOUT AT CHASE DRAIN OVERALL
- DENOTES PROPOSED ELECTRICAL AND ALARM SERVICE
- DENOTES PROPOSED 2" PVC FORCE MAIN

Site Plan To Accompany  
A Request For Determination  
Of Applicability  
in  
Nantucket, Mass.  
Prepared for  
**MOORES REALTY TRUST**

Scale: 1" = 20' JUNE 15, 2021

**BLACKWELL & ASSOCIATES, Inc.**  
Professional Land Surveyors  
20 TEASDALE CIRCLE  
NANTUCKET, MASS. 02554  
(508) 228-8026

GRAPHIC SCALE  
1" = 20'  
1 inch = 20 ft.

LOT AREA = 20,484 S.F. ±