

PIN 0109419

PERMIT NUMBER 5814

### Northampton County Health Department Operation Permit

SPECIFIC SYSTEM INSTALLED EZ Flow (44 sections)

System Type: III Types V and VI systems expire in 5 years. (In Accordance With Table Va)  
Owner must contact health department 6 months prior to expiration for permit renewal.

Scott MacCullough

Owner's Name

McBride

System Installer

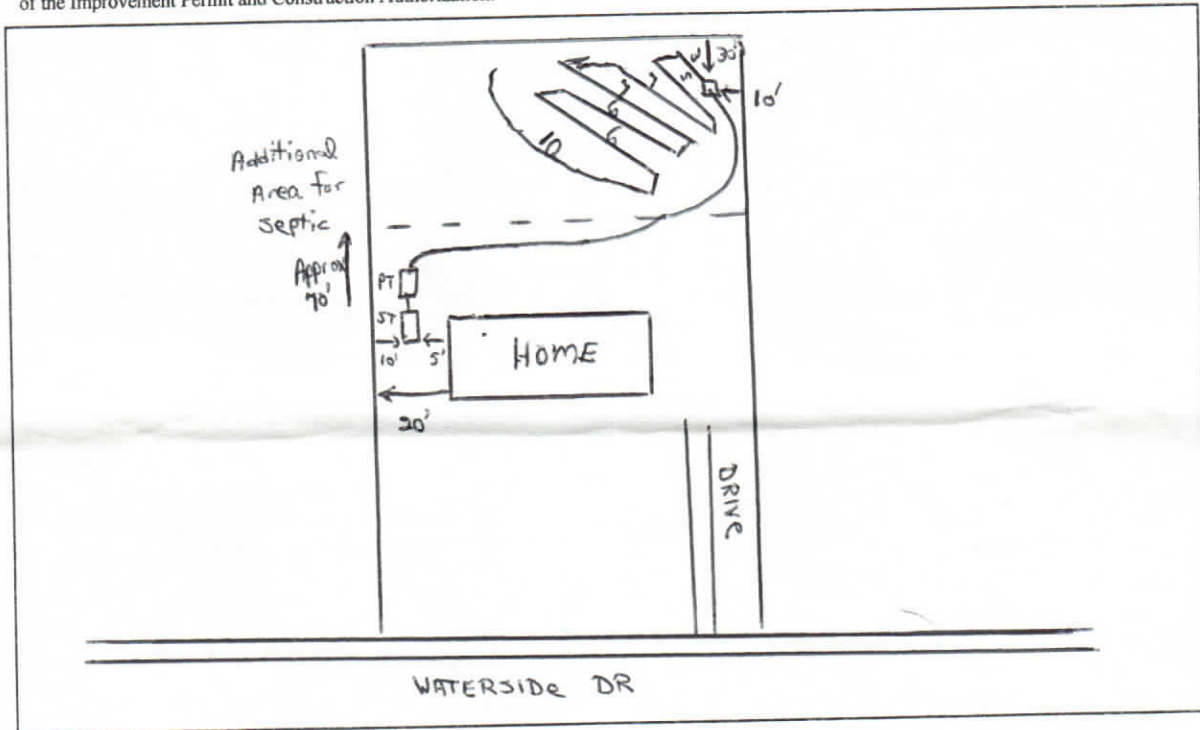
Chris DeBay

Authorized State Agent

4-8-10

Date of Operation Permit Issuance

This system has been installed in compliance with applicable NC General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization.



PERMIT CONDITIONS:

- I. Performance: System shall perform in accordance with Rule .1961.
- II. Monitoring: As required by Rule .1961.
- III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

Other:

Subsurface system operator required? Yes \_\_\_ No

If yes, see attached sheet for additional operation conditions, maintenance and reporting.

IV. Operation:

3 bedroom home ; tanks from Graystone backfilled in topsoil to achieve mound / cover

V. Other:

# NORTHAMPTON COUNTY HEALTH DEPARTMENT

5817

EF. NO. <b>IMPROVEMENT PERMIT</b>	DATE <b>10-30-09</b>	TWP	MAP TAX NO. <b>0109419</b>
EGUESTER		OWNER <b>Mr. Scott McCullough</b> <b>Lot #8 Windward Shores</b> <b>Henrico, Va 27842</b>	

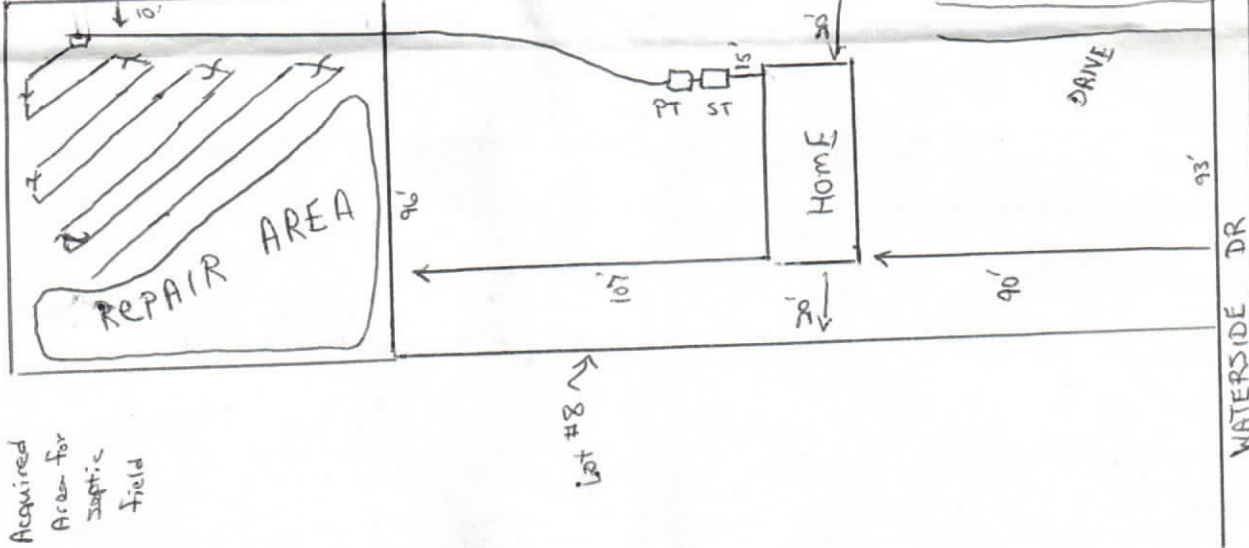
**IMPROVEMENT PERMIT AUTHORIZATION FOR CONSTRUCTION**

LOCATION/DIRECTIONS <b>Across From 207 Waterside Dr</b>	SIGNATURE OF OWNER OR AUTHORIZED AGENT <b>x Scott M. Cullough</b>
LAND SIZE <b>8d</b> <b>225</b>	

EDRMS <u>3</u>	DISPOSAL _____	OTHER _____	TYPE. SYS _____
TANK <u>1000</u>	SZ. CHAMB <u>1000</u>	NITRIFI <u>3'x600'</u>	OPER. REQ _____
TE. LOC _____			

**MARKS:**

- ① Based on soil scientist's report
- ② Install 12" max cover 8" soil
- ③ Will have to be a pump system
- ④ Extra property acquired ~~needed~~ needs to be conveyed with #8 Windward Shores for septic system
- ⑤ Use stepdowns with serial distribution
- ⑥ LTAR = .2



Permit released on 1-14-10 when map showing the addition of the .21 Acres for the septic system

**\*\*PERMIT IS SUBJECT TO COMPLIANCE WITH ZONING REGULATIONS. THIS PERMIT MAY BE SUSPENDED IF DOES NOT COMPLY WITH APPLICABLE ZONING REGULATIONS.**

ISSUED <u>10-30-09</u>	SANITARIAN <u>Chin DeBen</u>
DATE APPROVED _____	SANITARIAN _____

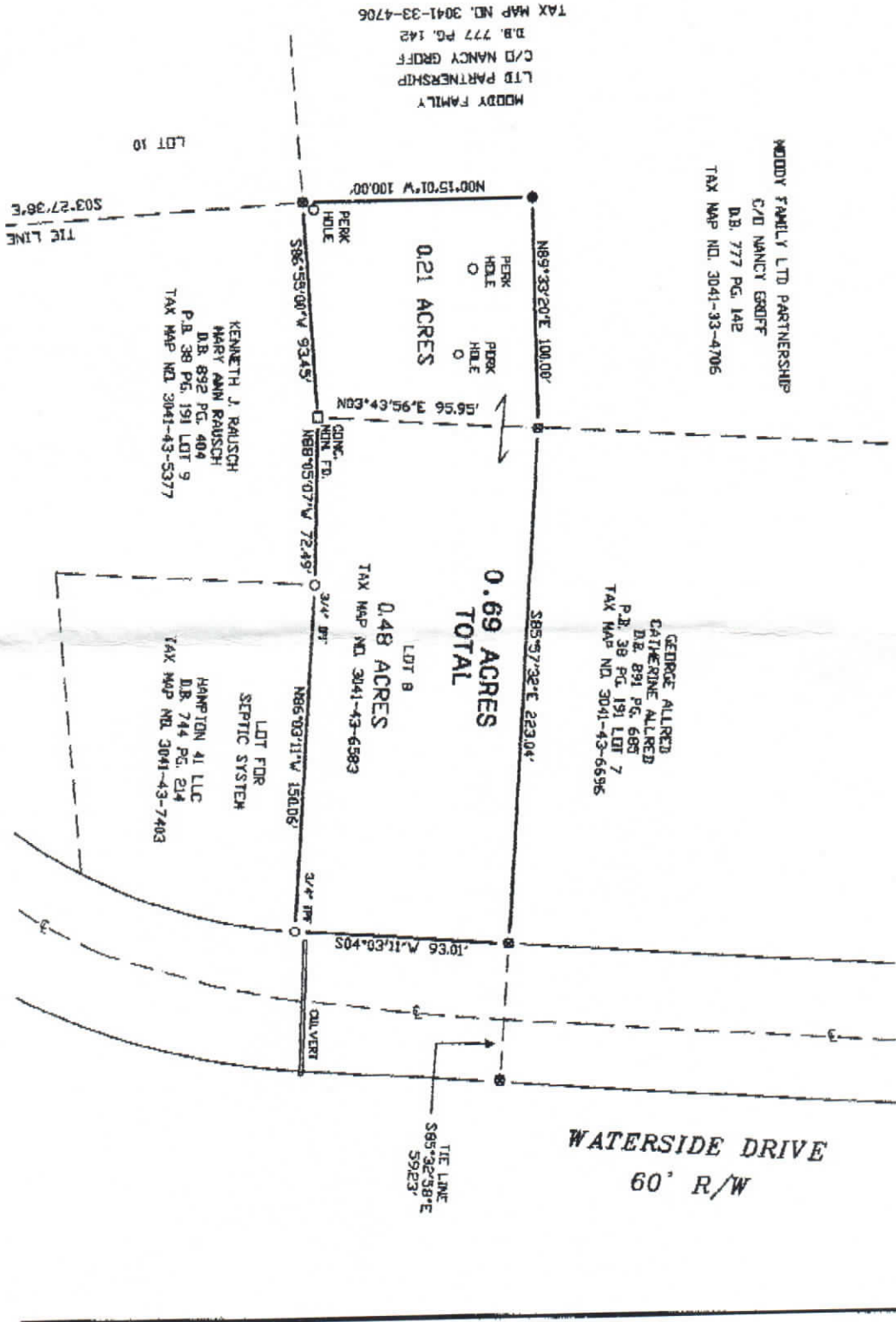
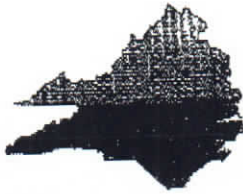


EXHIBIT "A"

LEGAL DESCRIPTION

That certain lot or parcel of land, lying and being situate in Gaston Township, Northampton County, North Carolina, and being more particularly described as follows: BEGINNING at a point marked by a rebar found on the west side of the right of way for Waterside Drive at the southeast corner of Lot 7 and the northeast corner of Lot 8, Section V, Windward Shores Subdivision (refer to Plat Book 38, Page 190 and 191), thence from said point of beginning and along the west side of Waterside Drive, South 04 degrees 03 minutes 11 seconds West 93.01 feet to a point marked by a 3/4" iron pipe found at the southeast corner of said Lot 8; thence turning along the southern boundary of the said Lot 8, North 86 degrees 03 minutes 11 seconds West 150.06 feet to a point marked by a 3/4" iron pipe found; thence continuing North 88 degrees 05 minutes 07 seconds West 72.49 feet to a point marked by a concrete monument found at the southwest corner of said Lot 8; thence continuing South 86 degrees 55 minutes 00 seconds West 93.45 feet to a point marked by a rebar found at the northwest corner of Lot 9 and the northeast corner of Lot 10, Section V, Windward Shores Subdivision; thence turning North 00 degrees 15 minutes 01 seconds West 100.00 feet to a point marked by a rebar set; thence turning North 89 degrees 33 minutes 20 seconds East 100.00 feet to a point marked by a rebar found at the northwest corner of said Lot 8 and the southwest corner of said Lot 7; thence continuing along the northern boundary of the said Lot 8 and the southern boundary of the said Lot 7, South 85 degrees 57 minutes 32 seconds East 223.04 feet to the point of beginning, and being shown and designated as "0.69 ACRES TOTAL" on that certain plat entitled "Plat of Survey For Teresa B. McCullough", done by James T. Bradley, Surveyor, dated November 10, 2009, and recorded in Plat Book \_\_\_\_\_, Page \_\_\_\_\_, Northampton Public Registry. This property is comprised of property acquired by Teresa B. McCullough by the following deeds: (1) deed from M & J Ventures dated September 25, 2007, recorded in Book 904, Page 837, Northampton Public Registry, and (2) deed from Moody Investments, LLC, dated December \_\_\_\_\_, 2009, and recorded in Book \_\_\_\_\_, Page \_\_\_\_\_, Northampton Public Registry.

TBM  
WDM



## MID - ATLANTIC SOIL SCIENTISTS

October 26, 2009

Mr. Scott McCullough  
2401 Eaton Ferry Rd  
Littleton, NC 27850

Subject: Lot 8 and Additional Area  
Windward Shores Subdivision  
Northampton County, NC

Dear Mr. McCullough,

You requested that I perform a soil evaluation and to determine if sufficient area exists for a septic system for a 3 bedroom home on the above mentioned lot. This report provides you with the results of my soil evaluation.

The soils were evaluated in accordance with the State rules for onsite wastewater systems (15A NCAC 18A 1900 Laws and Rules for Sewage Treatment and Disposal Systems). Hand auger borings were advanced to evaluate soil properties such as texture, structure, and consistence, depth to seasonal water table or saprolite or rock.

The attached drawing shows the approximate area of suitable soils in which a gravity flow conventional system can be permitted and installed. Please note that only the area shown as soil 1 can be permitted. The area shown as soil 2 is unsuitable because of expansive clay and saprolite and rock at shallow depths. Soil 1 is shown to be only in the additional area that will be added to existing lot 8. However, the house can be placed in the soil 2 area and the waste pumped to the conventional area (soil 1).

Soil 1 is considered to be provisionally suitable for shallow conventional septic systems in the area shown on the attached drawing. They have clayey textured subsoils that are plastic and sticky, blocky structure, and are at least 24 inches deep to expansive clay or saprolite. They have yellowish red matrix colors in some borings and brownish yellow colors in some borings.

Trenches will be installed on contour at a depth of 12 inches beneath the surface. Soil cover must be brought to the site and cover the entire trench area at least 6 inches deep. These soils will have an estimated loading rate of 0.2 gallons per square foot of trench bottom area per day.

The design flow for a 3 bedroom house is 360 gallons per day. Based on this flow and loading rate of 0.2 gal/sq-ft/day, about 600 linear feet of trench will be required for the initial system. The repair area will double this trench requirement if conventional trench technology is used.

Fred D. Smith • Mobile (252) 908-4369 • Fax (252) 459-6080  
Post Office Box 1175 • Nashville, North Carolina 27856


Conventional trenches are installed on minimum 9-foot centers. They are designed to be 3 feet wide with 1 foot depth of gravel surrounding a 4 inch corrugated pipe. The trenches do not have to be of all equal length. Many systems in NC are installed using 'serial distribution, where various trench lengths are employed with drop down boxes at the ends to distribute the effluent to the next lower trench.

I suggest that the septic contractor clear the site for the drainfield and only remove the small pines and other vegetation that are necessary to install the trenches. Large pines can remain in the septic area. I suggest this to help minimize the amount of soil depth lost by grubbing stumps and pushing over trees. Reduction of the soil depth over saprolite or expansive clays can render the soil to be unsuitable.

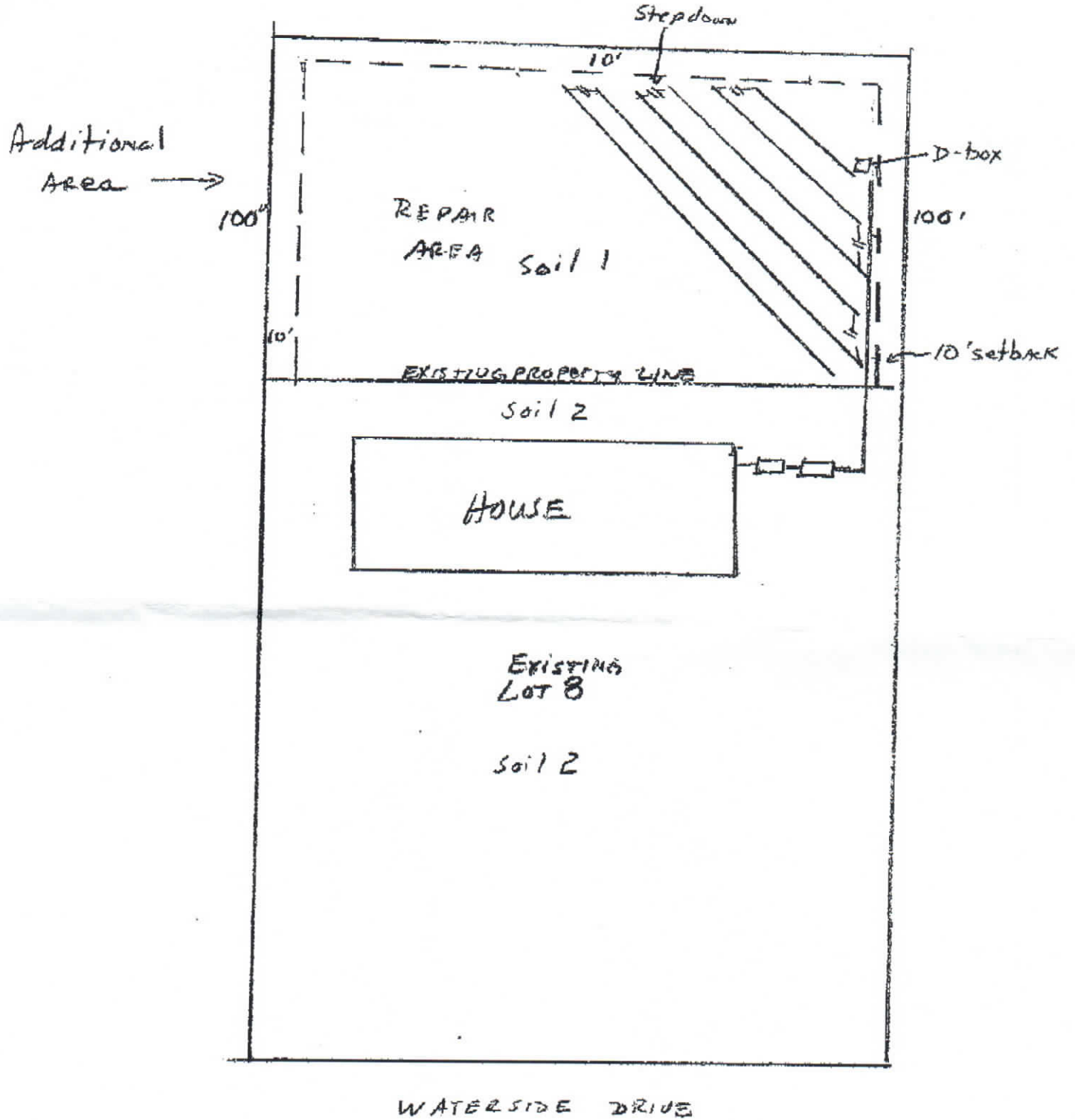
The septic tank and pump tank will be 1000 gallons each. The wastewater will be pumped by one-half horsepower effluent pump through 2 inch PVC pipe to a D box located above the highest trench.

I appreciate the opportunity to work with you on this project. Please contact me if you have questions or need additional information.

Cordially,

  
Fred D. Smith  
Licensed Soil Scientist

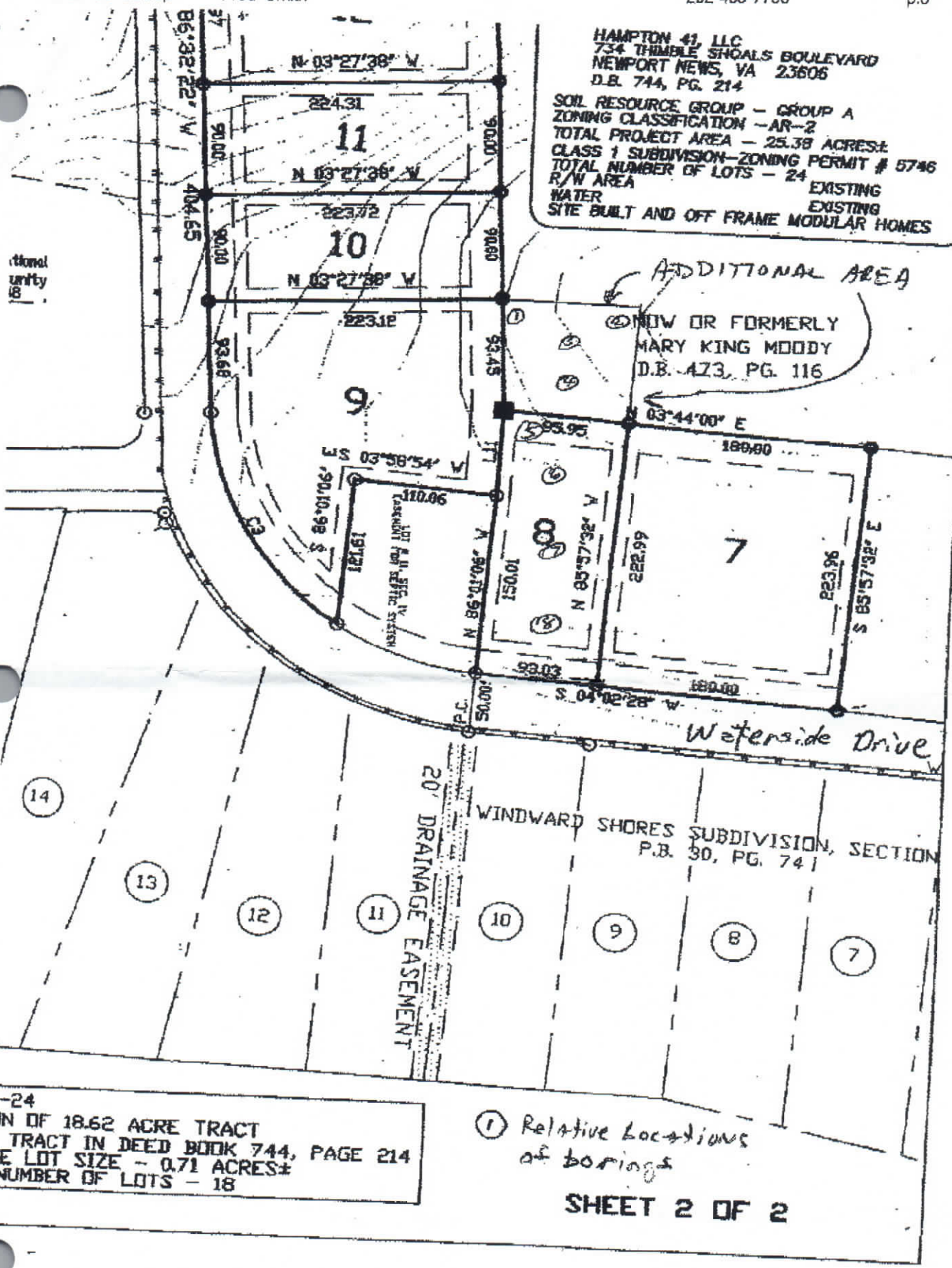




NOT TO  
SCALE

HAMPTON 41, LLC  
 734 FRIMBLE SHOALS BOULEVARD  
 NEWPORT NEWS, VA 23606  
 D.B. 744, PG. 214

SOIL RESOURCE GROUP - GROUP A  
 ZONING CLASSIFICATION - AR-2  
 TOTAL PROJECT AREA - 25.38 ACRES±  
 CLASS 1 SUBDIVISION - ZONING PERMIT # 5746  
 TOTAL NUMBER OF LOTS - 24  
 R/W AREA EXISTING  
 WATER EXISTING  
 SITE BUILT AND OFF FRAME MODULAR HOMES



ADDITIONAL AREA

② NOW OR FORMERLY  
 MARY KING MOODY  
 D.B. 473, PG. 116

ational  
unity  
18

-24  
 IN OF 18.62 ACRE TRACT  
 TRACT IN DEED BOOK 744, PAGE 214  
 E LOT SIZE - 0.71 ACRES±  
 NUMBER OF LOTS - 18

① Relative Locations  
 of borings

SHEET 2 OF 2

### Northampton County Health Department Application for Improvement Permit and/or Authorization to Construct

- Survey plat to scale\* submitted
  - Scaled\* site plan submitted
  - Unscaled site plan submitted
- \* scale of 1" = no more than 60'

Improvement Permit       Authorization to Construct

**IF THE INFORMATION IN THE APPLICATION FOR AN IMPROVEMENTS PERMIT IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENTS PERMIT AND AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID.** The permit is valid for either 60 months or without expiration depending upon documentation submitted. (complete site plan = 60 months; complete plat = without expiration)

#### APPLICANT INFORMATION

Terri B. McCullough 2134 Eaton Ferry Rd. 586-3480  
Applicant      Address      Home & Work Phone

Same      \_\_\_\_\_      \_\_\_\_\_  
Owner      Address      Home & Work Phone

#### PROPERTY INFORMATION

\_\_\_\_\_ date originally decided & recorded \_\_\_\_\_  
Waterside Drive Windward Shores #8  
Street Address      Subdivision Name      Section/Phase/Lot#

Directions to Site: Turn off River Road into Windward Shores subdivision - Take 1<sup>st</sup> right on Waterside Drive. Lot #8 is on right hand side 1/4 mile down just before curve. Scott McCullough Blvd. sign is on lot  
Lot Size 0.479

#### DEVELOPMENT INFORMATION

- New Single Family Residence
- Expansion of Existing System
- Repair to Malfunctioning Sewage Disposal System
- Non-Residential Type of Structure

#### Residential Specifications

Maximum number of bedrooms: 3  
If expansion: Current number of bedrooms: \_\_\_\_\_  
Will there be a basement?  yes  no  
Plumbing fixtures in Basement  yes  no

#### Non-Residential Specifications:

Type of business: \_\_\_\_\_ Total Square footage of Building: \_\_\_\_\_  
Maximum number of employees: \_\_\_\_\_ Maximum number of seats: \_\_\_\_\_

#### Water Supply:

Are there any existing wells, springs, or existing waterlines on this property?  yes  no

- New well     Existing Well     Community Well     Public Water     Spring

If applying for Authorization to Construct: Please Indicate Desired System Type(s):  
(systems can be ranked in order of your preference)

- Accepted     Alternative     Conventional     Innovative     Other     Any

The Applicant shall notify the local health department upon submittal of this application if any of the following apply to the property in question. If the answer to any question is "yes", applicant must attach supporting documentation.

- yes  no Does the site contain any jurisdictional wetlands?
- yes  no Does the site contain any existing wastewater systems?
- yes  no Is any wastewater going to be generated on the site other than domestic sewage?
- yes  no Is the site subject to approval by any other public agency?
- yes  no Are there any easements or right of ways on this property?

I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Terri B. McCullough  
Property owner's or owner's legal representative\*\* signature (required)

9/16/09  
Date

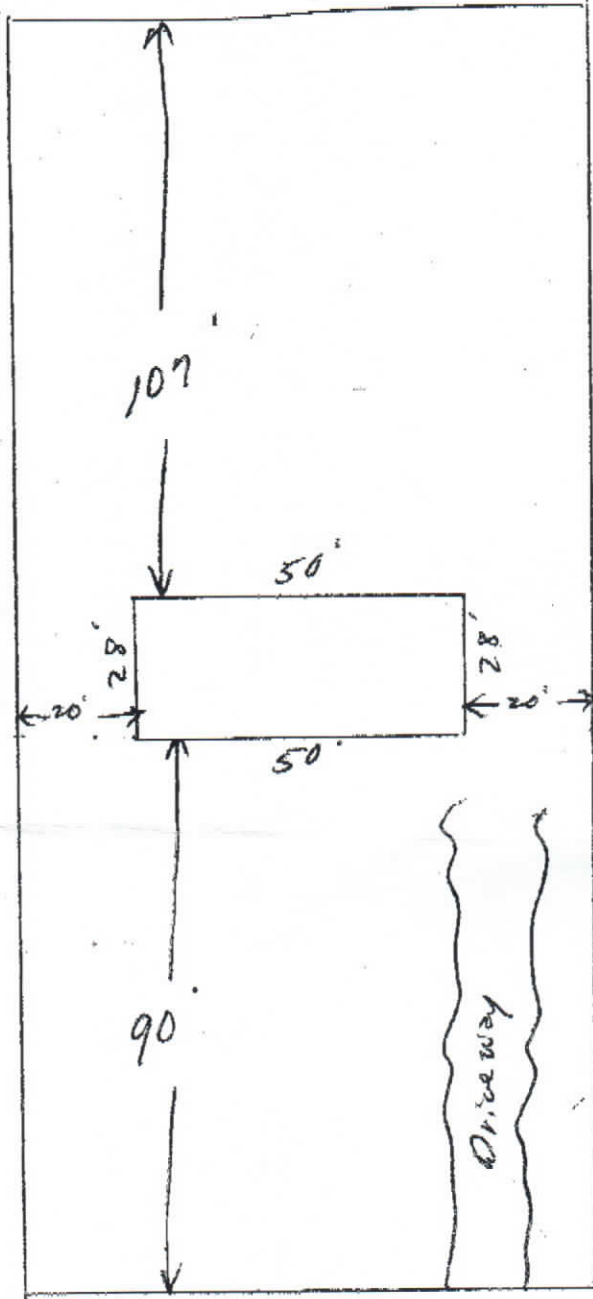
\*\*Must provide documentation to support claim as owner's legal representative.

2 also... of 1.67

93'

Lot # 8 - Waterside Drive  
Windward Shores

Terri B. McCullough



522

522

107'

50'

28'

28'

20'

20'

50'

90'

Driveway

93'

Waterside Drive