

7/13/2008 5:40:19 PM

**Environmental Health
PENDER COUNTY, North Carolina**

P. O. Box 1209
Burgaw, NC 28425

Environmental Health
910-259-1233



SEPTIC SYSTEM / IMPROVEMENT PERMIT

Page # 1

CONSTRUCTION AUTHORIZATION / OPERATION PERMIT

<u>Zoning Determination</u>	<u>Improvement Authorization</u>	Permit# : 070517	Fee : 400.00
SG 2/12/07	JRT 5/15/07	Issued Date : 03012007	Code Violation:
<u>Construction Authorization</u>	<u>Operation Authorization</u>	Issued By : KB98	GEO PIN # : 32910673170000
MELISSA 7/13/08	0/00/00	EH - File # : 102008	
		EHS ASSIGNED JRT	

Permitted Use

Residential

Description of Work

SEPTIC EVALUATION - Proposed SFD - 80' x 80' Includes garage, porches and decks

Applicant: APPLIED RESOURCE MANAGEMENT
P O BOX 882
HAMPSTEAD NC

Work Phone: 270-2919
Home Phone:
Fax :

Relationship of Applicant to Owner :

AGENT

Owner : WASHINGTON ACRES INC
PO BOX 441 2032
HAMPSTEAD NC

Work Phone:
Home Phone:
Fax :

SITE ADDRESS : 2032 WASHINGTON ACRES RD LOT 13
Subdivision : WASHINGTON ACRES
Section/Block : Lot: 13 Deed Book/Page:
Township : TOPSAIL Plat Bk. & Page #:

WATER SUPPLY : Private Well SEWER SERVICE Private Septic

Directions to Site:

Lot 13 - US Hwy 17 North, right on Washington Acres Rd

Requirements

LOT SIZE - >=20,000 FT.
EXISTING WELLS, SPRINGS, OR EXISTING WATER LINES ON PROPERTY - NO
ANY JURISDICTIONAL WETLANDS - YES
IS THE SITE SUBJECT TO APPROVAL BY ANY OTHER PUBLIC AGENCY - YES
STRUCTURE/CONSTRUCTION TYPE - HOUSE
NUMBER OF BEDROOMS - 4
NUMBER OF OCCUPANTS - 8
BASEMENT - NO
GRINDER PUMP FOR LOWER LEVEL PLUMBING - NO
SYSTEM TYPE - V C OFFSITE BED W/ ADVANTEX PRETREATMEN
LTAR (GPD/FT) - 1.0
DAILY DESIGN FLOW (GPD) - 480
WASTEWATER TYPE - DOMESTIC
SEPTIC TANK SIZE (GALLONS) - SEE PLANS FOR ALL TANK SIZES
NITRIFICATION FIELD (SQ. FT) - 288 SQ FT W/ 40% REDUCTION
NUMBER OF LINES - 4
LENGTH OF LINES (FT) - 48'
TRENCH WIDTH (INCHES) - NA
TRENCH DEPTH (INCHES) - 18"
BED SYSTEM SIZE - 12' X 48'
TYPE OF BUSINESS - NA
TOTAL SQ. FOOTAGE OF BLDG. - NA

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LOWER LEVEL PLUMBING - NA
 MAXIMUM NO. EMPLOYEES, MEMBERS, SEATS, ETC. - NA
 MINIMUM SYSTEM REVIEW FREQUENCY - 12 MONTHS
 TYPE OF WATER SUPPLY - PUBLIC
 TYPE OF FACILITY THE PROPOSED SITE IS TO SERVE - 4 BEDROOM HOUSE
 DISTANCE FROM ALL WELLS (FT) *NO CASE LESS THAN 50 FT. - 100'
 OTHER - REPAIR AREA: SAME

See layout or attached plot plan.
 No change in septic system or its location without prior approval from the Pender County Health Department.
 This Permit is subject to revocation if the site plan, plat or intended use of their site change (G.S. 130A-335 (f)).

MINIMUM HORIZONTAL SEPARATION OF SEPTIC SYSTEM (see Section 1950 NCAC).

5 Year Improvement Permit : James Teachey, RS (MRT) Issue Date : 5-15-07
 Improvement Permit, No Expiration Date : _____ Issue Date : _____

Conditions

1) See pages 3-8 for Plot Plan and Additional Permit Conditions and Specifications 2) An Advantex System is requested by Owner. 3) contract with subsurface operator required prior to issuance of operations permit

Notes

Letter on file from Jerry Reeves giving Applied Resource Management permission to obtain permits For Septic Evaluation - will need house information at final zoning and check structure height
 Will need foundation survey form signed at final zoning
 Property will need to be recorded in new owner name by final zoning - will need deed book and page number
 Flood Determination issued by Andrew Collins on 2/9/07 - Flood Zone AE, VE; AE-BFE is 12'; VE-BFE is 14'; Map #3291J; Elevation Certificate required; Benchmark required; Property & Building COBRA Out, CAMA is required. This is the 575 FT CAMA Zone.
 Will need a site plan drawn by a surveyor showing a benchmark within 100' of the proposed structure before final zoning
 Will need two original ELEVATION CERTIFICATE within 21 days of the establishment of the 1st floor - one for FEMA file and one for Building file
 Will need two original ELEVATION CERTIFICATES of the FINISHED CONSTRUCTION before C. O. can be issued - one for Zoning/FEMA file and one for Building file

Construction Authorization : Melissa Teachey, RS Issue Date : 7/13/08

VALID FOR 5 YEARS FROM THE DATE OF ISSUANCE OF IMPROVEMENT PERMIT.

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MELISSA	7/13/08	0/00/00			EH - File #	:	102008	GEO PIN #	:	32810673170000
					EHS ASSIGNED		JRT			

Operation Permit : _____

Issue Date : 0/00/00

Installer :

OPERATION PERMIT IS VALID FOR 12 MONTHS ONLY FROM DATE OF ISSUANCE AND ONLY ONE GENERAL CONSTRUCTION BUILDING PERMIT MAY BE ISSUED UNDER THIS PERMIT.

THIS PERMIT DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE AND SATISFACTORY PERFORMANCE IS NOT ASSURED BY THE PENDER COUNTY HEALTH DEPARTMENT.

THE SITE IS SUBJECT TO APPROVAL BY OTHER PUBLIC AGENCIES. .1973 (b) (1) (c)

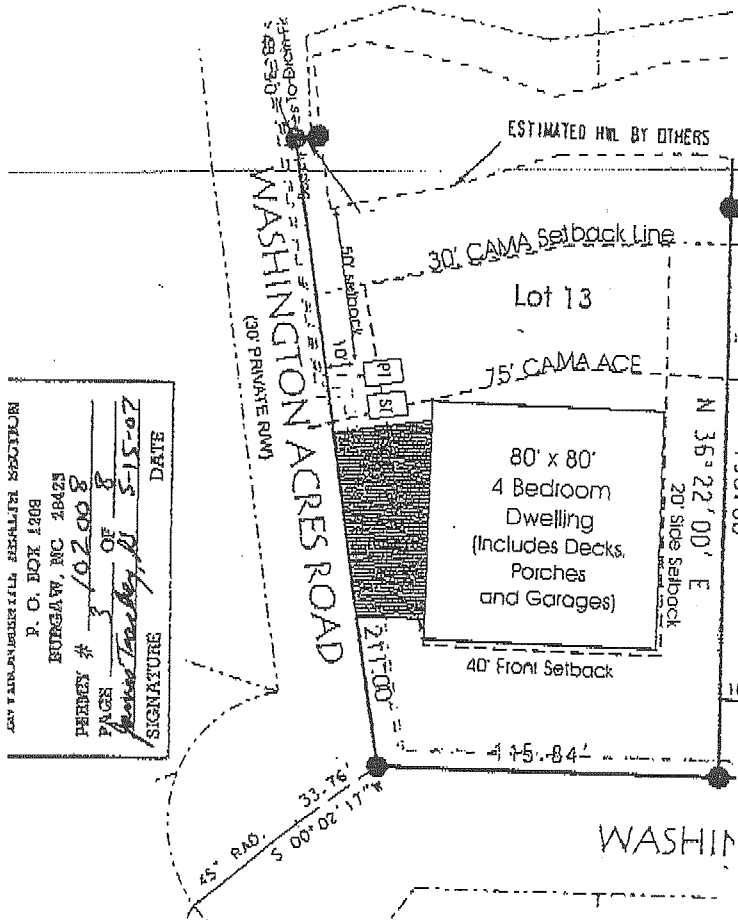
PCHD/EH-3 Rev. 2-98

Pender County Health Department

...Building a healthier tomorrow...

PLOT PLAN

SCALE: 1 inch = 60 feet



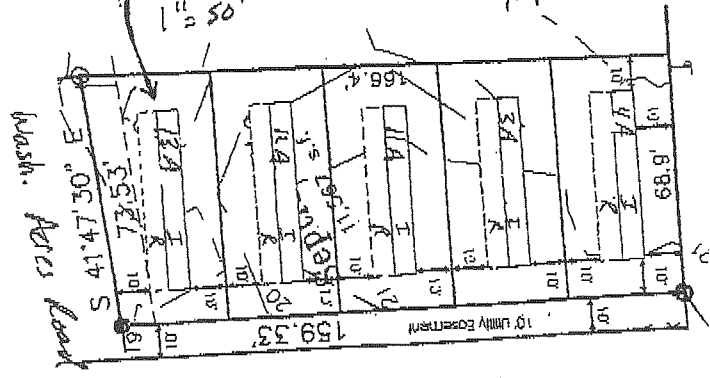
ADV. PLAN REVIEWER'S FULL, PRINTED NAME AND ADDRESS
 P. O. BOX 1208
 BURGAW, NC 28425

PERMIT # 3/02008
 PAGES 8 OF 8
 DATE 5-15-07

SIGNATURE _____

* Off-site
 13-A
 1" = 50'

see site plan dated 4/10/08



ADDITIONAL PERMIT CONDITIONS:

1. Do not park or drive on any part of the septic system or repair area.
2. Do not add or remove soil, or otherwise alter the lot in the proposed septic system location and repair area without prior approval from Pender County Environmental Health. Doing so may result in a revision fee or permit revocation.
3. Do not install system under wet conditions.
4. Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or size in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
5. Adhere to minimum setback requirements as stated in Rule .1950 and .1951 of N.C. Laws and Rules for Sewage Treatment and Disposal Systems (Article 11, G.S. Chapter 130A), unless otherwise indicated in this permit.
6. Watertightness of the tanks and any dosing tanks shall be demonstrated by a 24-hour leakage test conducted at the installation site. A water level change of 1/2 inch or more, within a 24" riser, over 24 hours, or visual observation of leakage shall be cause for failure of the watertightness test. Initial water level shall be to 2" above the riser/adaptor seam. A vacuum test may be substituted instead of water test.
7. The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N. C. Plumbing Code is used to pump raw sewage to the septic tank, a 2nd tank shall be installed prior to the 1st for settling of solids.
8. An AdvanTex Treatment System (TS-II) is requested by the property owner. Install / design the AdvanTex in accordance with the Innovative Wastewater System Approval (# IWWS-2004-3) and the Manufacturer's specifications.
9. Design responsibility: Prior to the issuance of an Authorization to Construct for an Orenco Systems, Inc. AdvanTex Treatment System, a submission prepared by an Orenco Systems, Inc. certified designer or North Carolina Professional Engineer (N.C. P.E. required for all systems exceeding 1000 gpd), and a Licensed Soil Scientist, as applicable, shall be submitted for review and approval by the local health department.
10. The operator requirements of Rule .1961(b) shall be met, including the requirement for a contract to have been executed between the system owner and a private Certified Operator or with a Public Management Entity with a Certified Operator. An operation and maintenance agreement with a North Carolina Certified Subsurface Operator shall be in place. The operator shall be authorized by Orenco Systems, Inc. to operate the AdvanTex Treatment System. The operator must have proper equipment and training to access and program VeriCom Control panels on site. The ORC shall be present during initial system setup, prior to issuance of the Operation Permit. A contract for operation and maintenance with an operator shall remain in effect for as long as the system is to remain in use.
11. Other state approved innovative pre-treatment wastewater systems may be substituted if the system complies with equivalent siting criteria and can be designed within the same usable area (treatment and disposal field/nitrification field) plus the area required for the collection system components.