Pender County Health Department

Environmental Health Division
803 Walker Street, P.O. Box 1209
Burgaw, NC 28425
Phone: 910-259-1233 Fax: 910-259-1404
www.pendercountync.gov

Wastewater System Operation Permit

Parcel Pin: 4204-66-4652

Permit Number: 102383

Property Address: Pinnacle Ridge Lot 2/Scrub Oaks Drive

Facility Type: **Single Family Dwelling**

Owner: D. Ralph Huff

Address: 2919 Breezewood Ave. Ste 400
Fayetteville, NC 28303

System Installer: Edens

System Operator:

REQUIRED INSPECTIONS

ORC Inspection every: **N/A**

PCHD Inspection every: **N/A**

System Classification:

System Type: **IIIbg**

In accordance with NCGS 130A-11 and 15A NCAC 18A Section .1900, This Operation Permit is issued to:

D. Ralph Huff

For the operation of a **480** GPD wastewater treatment and disposal system.

Conditions

1. This permit shall be effective only with respect to the nature and volume of the waste specified. Water softener backwash is not allowed in the system.
2. This permit is transferable; however, any conditions imposed on this permit shall also transfer to the subsequent owner.
3. The system shall perform and be properly maintained and operated at all times in accordance with Rule .1961.
4. The owner, or other contractually responsible party if applicable, is responsible for compliance with 15A NCAC 18A section .1900.
5. In the event of failure of the system to perform satisfactorily (as determined by the PCHD), the owner, or other responsible part if applicable, shall take such corrective actions as required by the Department within the specified period of time.
6. No traffic, vehicles or excavations shall be allowed on the system or the repair area.
7. Appropriate permits shall be obtained from the PCHD prior to any repairs to the system or additions of flow.
8. The owner (and ORC, if applicable) shall notify the PCHD of any malfunction or necessary repairs.
9. The owner is responsible for keeping the plumbing system of the facility in good repair and eliminating leaks, drips, or excess flows as they are found.
10. A useable repair area as designated by the PCHD shall be maintained and reserved for the addition to or replacement of the initial drainfield.
11. Refer to the "as-built" inspection record on file at PCHD for system installation specifications.
12. Permits for Types V and VI systems expire in 5 years. Owner must contact PCHD 6 months prior to expiration for permit renewal.
13. The system shall be maintained and operated at all times in accordance with the Schedule of Operation and Maintenance shown on pg 2 of this permit.
14. Unless specifically allowed for on the Construction Authorization, systems are not designed for garbage disposal use.
15. See page 2 for any additional conditions.

This permit may be suspended or revoked for non-compliance with any permit condition.

ISSUED: 10/23/12

Registered Environmental Health Specialist

EXPIRES:

102383

CA = 4204-66-4652
PIN

WASTEWATER SYSTEM INSTALLATION RECORD

Applicant: D. Ralph Huff Property Description: Pinnacle Ridge lot 2 Hampstead, NC
System Installer: Randal Eden System Type: ULG

STB MANU Fortrel
STB - LL
1020 GAL
DATE 6/4/12
PSI
LEAK TEST
PRETEST #
RISERS: INLET __ OUTLET __

EFFLUENT FILTER
BRAND Poly Lok
MODEL PL 6G
PIPE SEALS OK ✓

PT MANU Fortrel
PT - 314
1000 GAL
DATE 8/13/12
PSI
LEAK TEST
PRETEST #
INLET RISER ✓
OUTLET RISER ✓
GPI =

CONTROL PANEL
BRAND American
MODEL Sab 124-452
3 # FLOATS

SUPPLY LINE
SIZE 2"
✓ OK TO COVER
✓ PRESSURE TEST

PUMP
BRAND Nemma 4
MODEL NS3-C
✓ ALARM OK
✓ PULL ROPE
✓ FLOAT SUPPORT
✓ FLOAT ADJUSTED
✓ ENCLOSURE/CONDUIT
✓ DUCT SEAL/GROUT

PDR INITIAL: 44 " 10:37 TIME
ENDING: 50 " 10:42 TIME
RESULT: 6 " / 5 MINUTE = 20 GPM

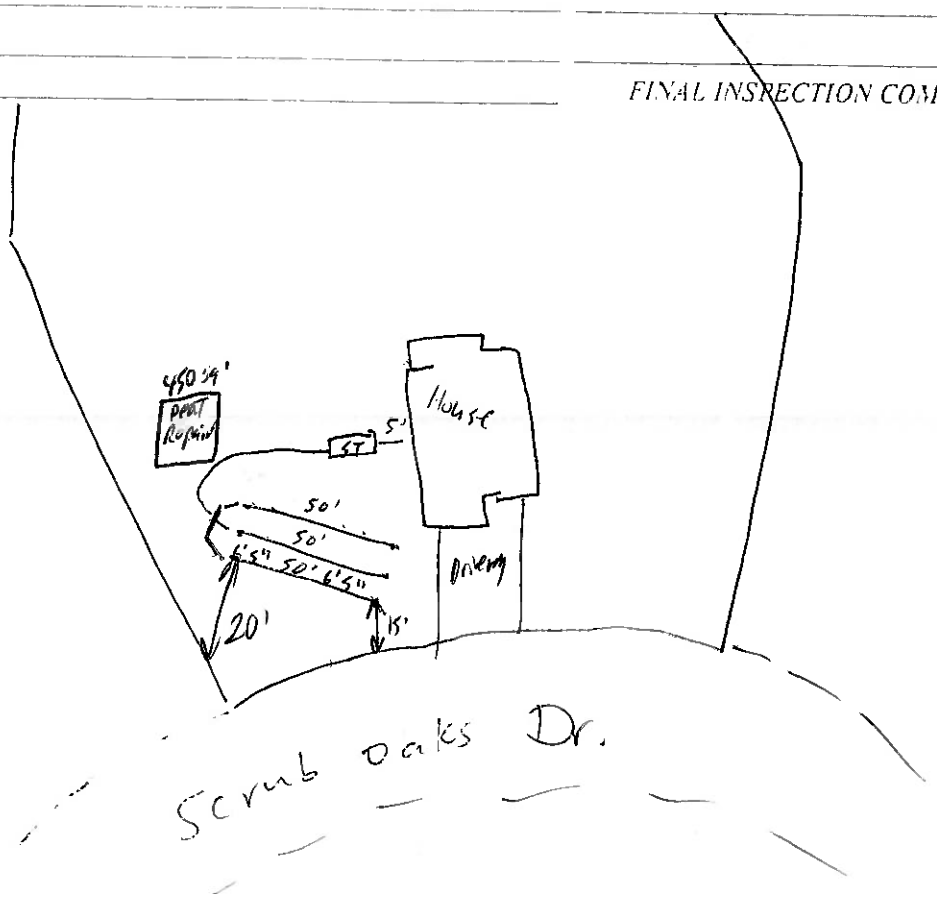
Initial Meter Readings: ETM _____ Events _____ Date _____

SUBSTITUTED SYSTEM TYPE INSTALLED Polystyrene By this signature, the installer certifies that the decision to substitute the accepted system for the system type permitted was made by the *Owner*.

DATE	EHS	NOTES	YET TO DO
10/22	Dm	Septic tank, pump tank	Drainfield, supply line, pump, alarm box, drain
10/23/12	CC	Drainfield, Supply Line, pump, Alarm Box, manifold, Drain Down	down, pressure manifold

FINAL INSPECTION COMPLETED

DIAGRAM



TOPSAIL TOWNSHIP PENDER COUNTY

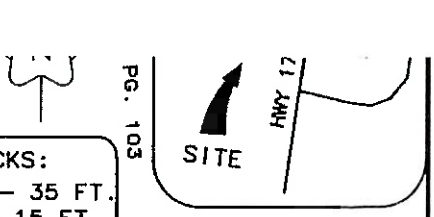
REFERENCE: MAP BOOK 46 PAGE 103

DATE: APRIL 24, 2012

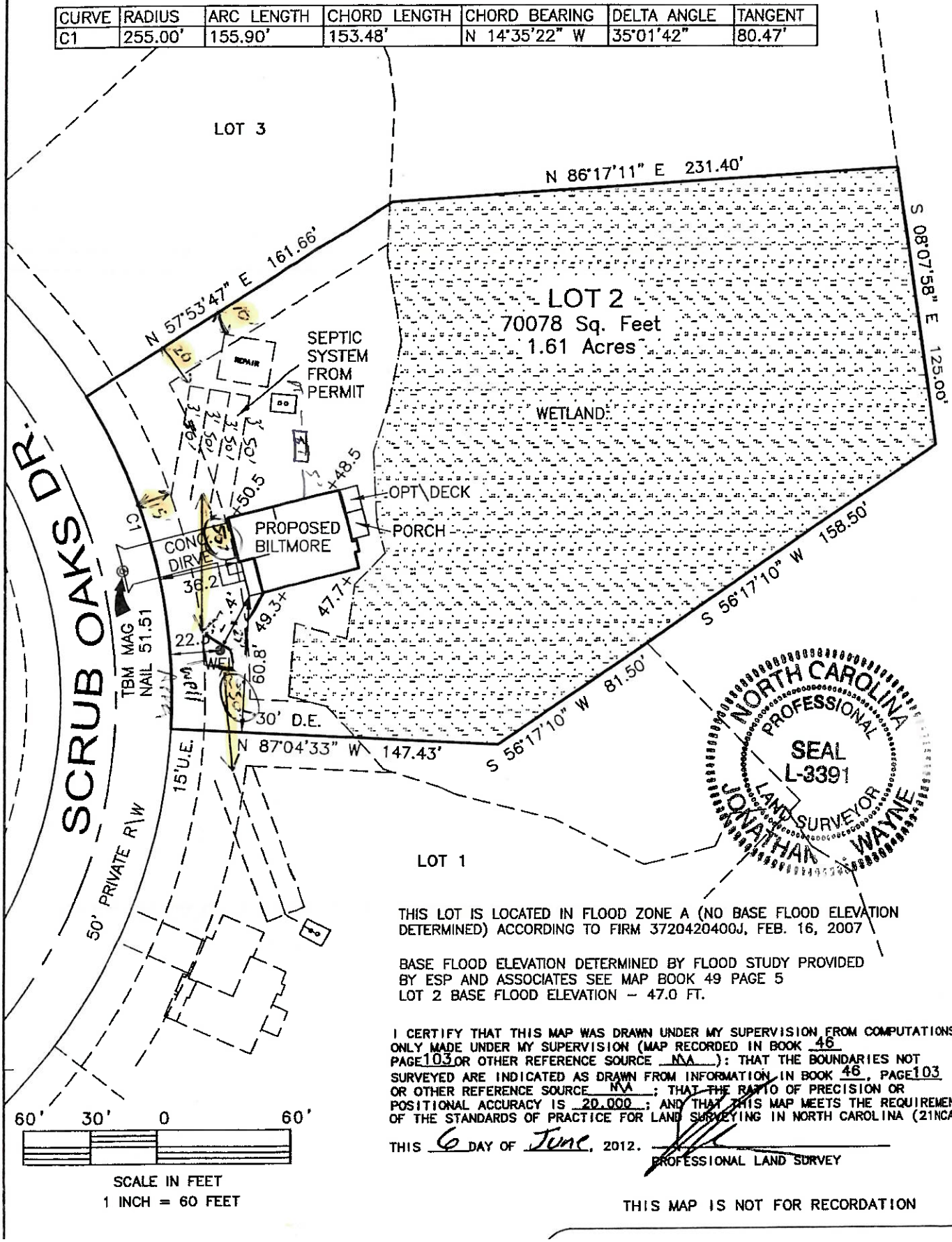
OWNER:
H&H CONSTRUCTORS
2919 BREEZEWOOD AVE., STE. 400
FAYETTEVILLE, NC 28303

BUILT UPON AREA TAKEN FROM COVENANTS BOOK 3406 PAGE288
MAX. = 6,500 S.F.
PROPOSED = 2,953 SF

SETBACKS:
FRONT – 35 FT.
SIDE – 15 FT.
REAR – 30 FT.



CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	255.00'	155.90'	153.48'	N 14°35'22" W	35°01'42"	80.47'



THIS LOT IS LOCATED IN FLOOD ZONE A (NO BASE FLOOD ELEVATION DETERMINED) ACCORDING TO FIRM 3720420400J, FEB. 16, 2007

BASE FLOOD ELEVATION DETERMINED BY FLOOD STUDY PROVIDED BY ESP AND ASSOCIATES SEE MAP BOOK 49 PAGE 5
LOT 2 BASE FLOOD ELEVATION – 47.0 FT.

I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM COMPUTATIONS ONLY MADE UNDER MY SUPERVISION (MAP RECORDED IN BOOK 46 PAGE 103 OR OTHER REFERENCE SOURCE N\A): THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DRAWN FROM INFORMATION IN BOOK 46, PAGE 103 OR OTHER REFERENCE SOURCE N\A ; THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY IS 20,000 ; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21NCAC

THIS 6 DAY OF June, 2012.

PROFESSIONAL LAND SURVEY

60' 30' 0 60'

SCALE IN FEET
1 INCH = 60 FEET

THIS MAP IS NOT FOR RECORDATION

PENDER COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION
803 Walker Street, P.O. Box 1209
Burgaw, NC 28425
Phone 910-259-1233 FAX 910-259-1404
www.pendercountync.gov

WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION

Parcel PIN: **42046646520000**
Application Date: **06/06/12**

Permit #: **102383**
Associated IP #: **102383**

Applicant: **H+H Constructors, LLC**
Address: **825 Gum Branch Rd. Ste 119**
Fayetteville, NC 28305
Phone: **(910) 219-1485**

Owner: **D. Ralph Huff**
Address: **2919 Breezewood Ave. Ste 400**
Fayetteville, NC 28303
Phone: **(910) 486-4868**

Property Address: **Scrub Oaks Drive/ Pinnacle Ridge Lot 2**
Property Description: **Scrub Oaks Drive/ Pinnacle Ridge Lot 2**
Permit Type: **Residential New**

Lot Size (Acres):
Facility Type: **Single Family Dwelling**
Water Supply: **Private Well**

	INITIAL SYSTEM	REPAIR SYSTEM
Design Flow: **480gpd**	System Type: **Pump**	System Type: **Peat System**
No. of Bedrooms: **4**	System Class: **IIIb**	System Class: **Va**
Septic Tank: **1000gal (min)**	Nitrification: **200 feet**	Nitrification: **450 square feet**
Pump Tank: **1000gal (min)**	**Max Trench Depth:** **12 inches**	**Max Trench Depth:** **18 inches**
	Horiz Trench Separation: **9 feet**	Horiz Trench Separation: **9 feet**

Conditions/Comments:

1 – NOT DESIGNED FOR GARBAGE DISPOSAL.

2- An imported soil cap is required over the drainfield area. The soil imported must be approved by the PCHD prior to placement. The soil shall be maintained at a thickness of 6" after settling and must extend at least 5 feet beyond the drainfield in all directions. The soil cap must be seeded prior to the system approval.

3- PERMIT REVISED (10/12/12) A pump is required. Stub out of plumbing is too low to maintain the required 12 inch trench depth.

REFER TO THE ATTACHED SITE PLAN SHOWING THE SYSTEM AND FACILITY LOCATIONS AND OTHER SYSTEM SPECIFICATIONS. THIS AUTHORIZATION SHALL BECOME INVALID AND MAY BE REVOKED IF THE INFORMATION SUBMITTED ON THE APPLICATION OR SITE PLAN IS INCORRECT, FALISIFIED, OR CHANGES OR IF THE SITE IS ALTERED OR IF THE SYSTEM INSTALLATION IS NOT COMPLETED BEFORE THE EXPIRATION DATE. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH:
-NORTH CAROLINA ADMINISTRATIVE CODE TITLE 15A .1900,
-APPLICABLE SYSTEM APPROVALS,
-PENDER COUNTY HEALTH DEPARTMENT POLICIES.

ISSUED: 06/22/12

Clay Cranmer

Registered Environmental Health Specialist

EXPIRES: 06/22/17

Environmental Health
PENDER COUNTY, North Carolina

P. O. Box 1209
Burgaw, NC 28425

Environmental Health
910-259-1233

IMPROVEMENT PERMIT SITE

No Zoning or Building Permit is to be issued with this permit.
See Article 11 NC General Statutes, Chapter 130A-336 through 130A-338

Permit# : 073431
Issued Date : 10082007
Issued By : AB31
EH - File # : 102383
Fee : 500.00
Code Violation:
GEO PIN # : 42046646520000

Zoning Determination	Construction Authorization	EHS ASSIGNED
SG 10/03/07	0/00/00	CC

Permitted Use / Desciption of Work
RESIDENTIAL

Description of Work

SEPTIC EVALUATION:For 50 X 50 Footprint will Need House Information At Final Zoning~Foundation Survey Form~Height Check ~ Etc.

Applicant: PINNACLE PROPERTIES OF HAMPSTEAD LLC
P O BOX 87
HAMPSTEAD NC
Work Phone: 270 4444
Home Phone:
Fax :

Relationship of Applicant to Owner :
DEVELOPER

Owner : PINNACLE PROPERTY OF HAMPSTEAD
W JUAN LINN 106
VICTORIA TX
Work Phone:
Home Phone:
Fax :

SITE ADDRESS : 106 PINNACLE PARKWAY (LOT2)
Subdivision : PINNACLE (THE)
Section /Block : Lot: 2
Township : TOPSAIL
Deed Book/Page:
Plat Bk. & Page #:

WATER SUPPLY : Private Well SEWER SERVICE : Private Septic

Directions to Site:
HWY 17 N TO HAMPSTEAD, TAKE LEFT ONTO PINNACLE PARKWAY, TAKE RIGHT LOT 2 ON THE RIGHT

Requirements
LOT SIZE - SEE MAP
EXISTING WELLS, SPRINGS, OR EXISTING WATER LINES ON PROPERTY - N
ANY JURISDICTIONAL WETLANDS - N
IS THE SITE SUBJECT TO APPROVAL BY ANY OTHER PUBLIC AGENCY - N
STRUCTURE/CONSTRUCTION TYPE - HOUSE
NUMBER OF BEDROOMS - 4
NUMBER OF OCCUPANTS - 8
BASEMENT - N
GRINDER PUMP FOR LOWER LEVEL PLUMBING - N
SYSTEM TYPE - II-C
LTAR (GPD/FT) - .8
DAILY DESIGN FLOW (GPD) - 480
WASTEWATER TYPE - DOMESTIC
SEPTIC TANK SIZE (GALLONS) - 1,000
NITRIFICATION FIELD (SQ. FT) - 600
NUMBER OF LINES - 4
LENGTH OF LINES (FT) - 50
TRENCH WIDTH (INCHES) - 36
TRENCH DEPTH (INCHES) - 12" + 6" SOIL COVER OVER SYSTEM AREA
TYPE OF WATER SUPPLY - PRIVATE
TYPE OF FACILITY THE PROPOSED SITE IS TO SERVE - 4 BR. DWELLING
DISTANCE FROM ALL WELLS (FT) *NO CASE LESS THAN 50 FT. - 100

Environmental Health
PENDER COUNTY, North Carolina

P. O. Box 1209
Burgaw, NC 28425

Environmental Health
910-259-1233

IMPROVEMENT PERMIT SITE

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See Article 11 NC General Statutes, Chapter 130A-336 through 130A-338

Permit# : 073431
Issued Date : 10082007
Issued By : AB31
EH - File # : 102383
Fee : 500.00
Code Violation:
GEO PIN # : 42046646520000

Zoning Determination		Construction Authorization	
SG	10/03/07	0/00/00	EHS ASSIGNED CC

No Zoning or Building Permit is to be issued with this permit.
See Article 11 NC General Statutes, Chapter 130A-336 through 130-A-338
This permit is subject to revocation if site plans or intended use changes.

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) (l) (c).

Conditions

Submit finalized survey map that includes drainage plans.

Notes

PROPERTY TO RECORDED IN NEW OWNER NAME BY FINAL ZONING
WILL NEED CONSTRUCTION AUTHORIZATION APPROVAL FROM ENVIR. HEALTH BEFORE FINAL ZONING
THIS PERMIT IS FOR SEPTIC EVALUATION AT THIS TIME WILL NEED HOUSE INFORMATION, FOUNDATION SURVEY FORM, CHECK BUILDING HEIGHT, ETC AT FINAL ZONING
THE TOP OF THE FIRST FLOOR, ALL ELECTRICAL AND MECHANICAL MUST BE TWO FEET ABOVE THE HIGHEST ADJACENT GRADE
WILL NEED NEED 2 ORIGINAL ELEVATION CERTIFICATES WITHIN 21 DAYS OF THE ESTABLISHMENT OF THE FIRST FLOOR - ONE FOR FEMA FILE & ONE FOR BUILDING FILE
WILL NEED 2 ORIGINAL ELEVATION CERTIFICATES OF THE FINISHED CONSTRUCTION BEFORE BUILDING FINAL AND BEFORE CERTIFICATE OF OCCUPANCY CAN BE ISSUED
WILL NEED THE WELL PERMIT BEFORE FINAL ZONING
PLAT TO BE RECORDED BEFORE FINAL ZONING
HYDROSTATIC OPENINGS/VENTS ARE REQUIRED IF THE BOTTOM OF RESIDENCE IS TO ENCLOSED

Improvement Permit: _____ Issue Date : 11-09-07

5 Year Improvement Permit : _____ Issue Date : _____

Improvement Permit, No Expiration Date : _____ Issue Date : _____

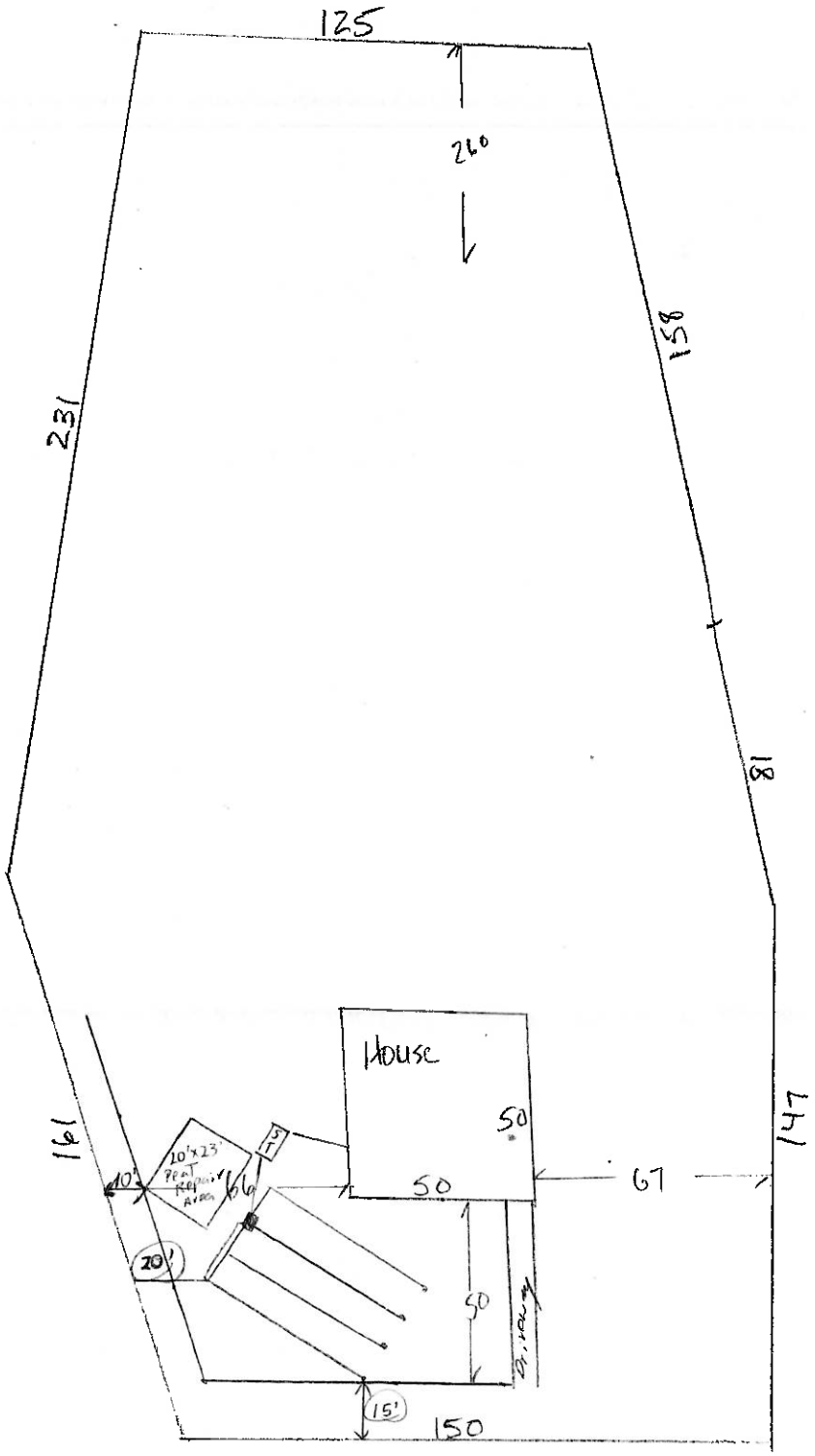
ATTACHMENT
SITE DRAWING OF PROPERTY

.LE 50' = 1" LOCATION: Pinnacle Ridge LOT 2

RAWN BY: _____

DATE: _____

Site Plan
Prepared by: [signature]
10-30-07
Approved by: [signature]
Permit 73431



COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH SECTION
P.O. BOX 1209
BURGAW, NC 28425

PERMIT # 10 2 3 8 3
PAGE 3 OF 4
SIGNATURE [signature] DATE 11-09-07

System Design: II-C
4 Bedrooms
480 GPD
.8 LTAR
600 Square Ft.
200 Linear Ft.
4 Lines @ 50 feet
12" Trench Depth + 6" Soil cover over system area.
3' Trench Width w/ Lines 9' on center.

*IF GRAVITY FLOW CANNOT BE MAINTAINED, A PUMP SYSTEM WILL BE REQUIRED.

PENDER COUNTY HEALTH DEPARTMENT
P. O. BOX 1209, BURGAW, NC 28425
PHONE 910/259-1233 BURGAW PHONE 910/270-5000 HAMPSTEAD

WELL PERMIT

(EXPIRES IN 5 YEARS)

Owner/Agent: H & H HOMES Date: _____ E.H. Permit # **H-0404**

Mailing Address: 825 GUM BRANCH RD, STE 119 Ph.# 910-219-1485 Zoning Permit # _____
JACKSONVILLE, NC 28443

Directions to Property: HWY 17 N TO LEFT ON PINNACLE PARKWAY. Left on Scrub Oaks, Lot is on the Right.

Subdivision PINNACLE RIDGE Lot # 2 Blk/Section _____

Residence [X] Duplex [ ] Commercial/ Industrial [ ] No. Employees: _____

Public Sewer [ ] On-Site Wastewater System [ ]

WELL SETBACKS (Unless specified): Utilize the State of North Carolina 2C Well Rules and Laws.
25 ft. from foundations & decks 50 ft. from surface water bodies
100 ft. from septic system (s) 50 ft. from sanitary sewer 50 ft. from all other sources of pollution

No change in location or specifications without prior Health Department approval.

Well Permit By: _____ Date 06-12-12
Well Construction/Location Approved By: Pamela Overton Date 7-25-12
Well Grouting By: Pamela C. Overton Date 7-25-12
Well Head Protection By: Pamela C. Overton Date 11-13-12
Well Log Received: NO Date 8-13-12

Pamela Overton — Certificate of Completion
ARM — Installer
11-13-12 — Date

***NOTE: Building Inspections – Hold Electrical Final until Certificate of Completion is approved and signed by Environmental Health.

***NOTE: It is the responsibility of the well owner to provide access and power to the well in order for this Department to take a water sample. This Department recommends that the water is not used until a negative sample is obtained.

NEGATIVE ANALYSIS FOR COLIFORM DATE: 12/6/12 LAB NO. 34165
ENV. Chem.

PCHD/EHS – 115
Revised 9/1/09