



Onslow County Health Department  
612 College Street  
Jacksonville, North Carolina 28540  
Phone: (910) 938-5851 Fax: (910) 989-2341

## OPERATIONS PERMIT

(GS 130A-337)

Permit No: **EOP2011-02712**  
Category: Operations Permit New

**Owner:** BRAVO PROJECTS LLC  
**Address** 147 FOGGY RIVER WAY JACKSONVILLE, NC 28540  
**Parcel:** 63C-91                      **SR #:**  
**Subdivision:** THE BLUFFS ON NEW RIVER  
**Lot:** 52  
**Section:** 4                      **Block:**                      **Phase:**  
**Location:** TAKE GUM BRANCH RD TOWARD  
RICHLANDS APPROX. 1.5 MILES PAST  
RAMSEY RD ON LEFT ACROSS FROM  
TIMOTHY RD

FINAL PLOT/REMARKS
<b>System Type:</b> III
<b>System Classification:</b> g. Other non-conventional trench system
<b>Manufacturer:</b> Ezflow EZ 1203H
<b>Model #:</b> EZ1203H
<b>System Info:</b> permit written for conventional system, changed to 25% reduction system - 4(60') poly lines

**Facility/Daily design flow:** 4 BR/<480 GPD

**Water Supply:** Public

**THIS DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE.**

Installed By: DEBBIE ARNOLD  
Business Name: ARNOLDS LANDSCAPING

Signed By: Erin Moyer, *Erin M. Moyer* Date: 05/26/2011



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**CONSTRUCTION AUTHORIZATION**  
 (GS 130A-336)

Permit No: **ECA2011-00209**

Category: **New**

THIS AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION SHALL  
 BE VALID FOR A PERIOD EQUAL TO THE PERIOD OF VALIDITY OF THE  
 IMPROVEMENT PERMIT. NOT TO EXCEED 5 YEARS.

**Owner:** MORTON INVESTMENTS LLC

**Address:** GUM BRANCH RD JACKSONVILLE, NC 28540

**Subdivision:** THE BLUFFS ON NEW RIVER

**Lot:** 52

**SR #:**

**Section**

**Block:**

**Phase:** 4

**Location:** TAKE GUM BRANCH RD TOWARD RICHLANDS APPROX. 1.5 MILES PAST RAMSEY RD ON  
 LEFT ACROSS FROM TIMOTHY RD

**System Type/Description:** II Conventional

**System Classification:** a. Conventional septic system (single family or 480 GPD or less)

**Facility/Daily design flow:** 4 BR/<480 GPD

**System Info:** conventional system - 5(64") lines

**LTAR:** .5 gpd/sq. ft.

**Water Supply:** Public

**Septic Tank Size:** 1000 gallons

**Grease Trap Size:** gallons

**Pump Tank Size:** gallons

**Nitrification Area:** 960 sq. ft.

**Nitrification Area:** 320 lin. ft.

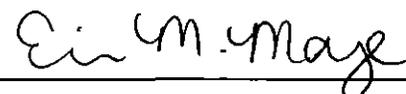
**No of Lines:** 5

**Line Length:** 64'

**Line Width:** 3'

**Trench Bottom Depth:** 18"

(SEE ATTACHED PAGES 1 - 1 of 1 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Erin Moye, 

Date:

03/17/2011

**NOTE: Permit is subject to revocation if site plans or intended use change.**



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**IMPROVEMENT PERMIT**  
 (GS 130A-336)

Permit No: **EIP2010-00480**  
 Category: Individual Dwelling

Expiration: ~~12/20/2010~~ 12/31/2015 *gmt*

**Owner:** MORTON INVESTMENTS LLC

**Address:** ~~5271~~ GUM BRANCH RD JACKSONVILLE, NC 28540

**Subdivision:** THE BLUFFS ON NEW RIVER

**Lot:** 52

**Section**

**Block:**

**Phase:**

**Location:** TAKE GUM BRANCH RD TOWARD RICHLANDS APPROX. 1.5 MILES PAST RAMSEY RD ON LEFT ACROSS FROM TIMOTHY RD

**SR #:**

**System Type/Description:** II Conventional

**System Classification:** a. Conventional septic system (single family or 480 GPD or less)

**System Info:** conventional system - 5(64") lines

**Facility/Daily design flow:** 4 BR/<480 GPD

**LTAR:** .5 gpd/sq. ft.

**Water Supply:** Public

(SEE ATTACHED PAGES 1 - 1 of 1 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Erin Moye *Erin M. Moye* Date: 12/20/2010

**NOTE: Permit is subject to revocation if site plans or intended use change.**

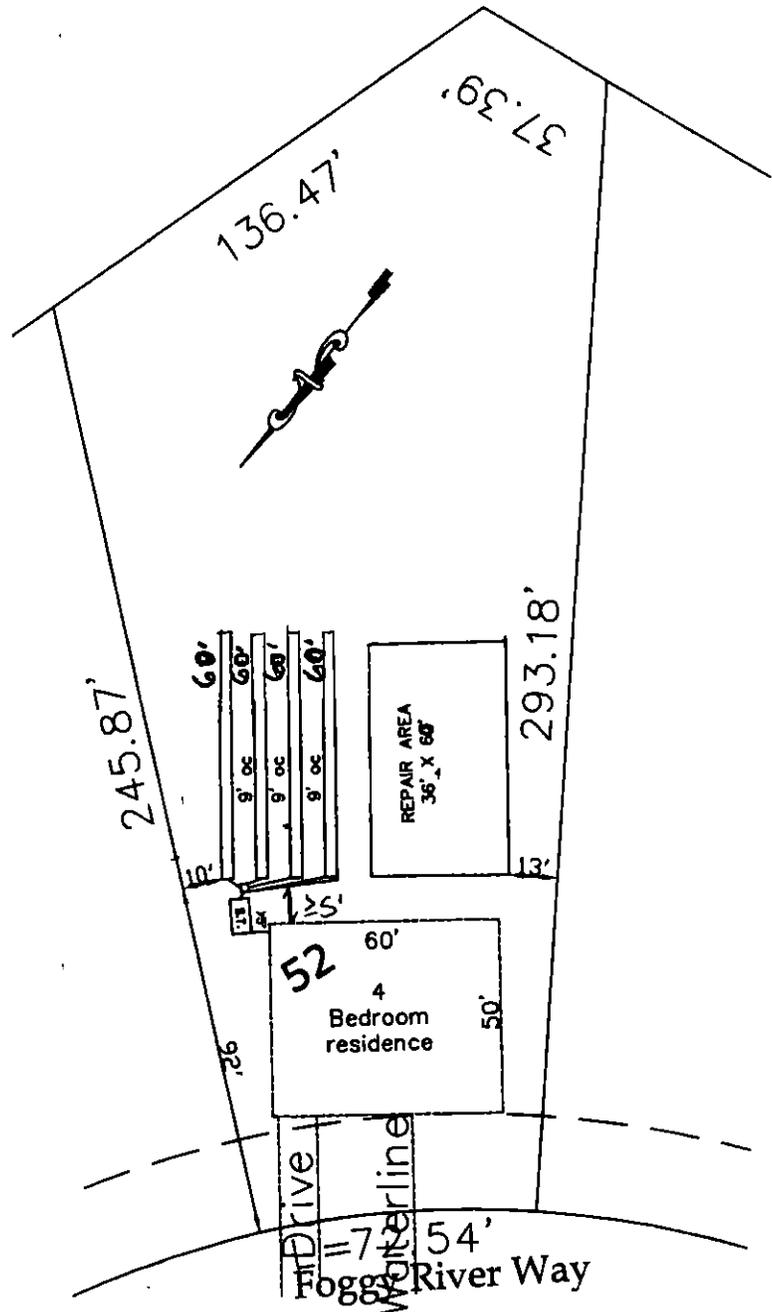
OWNER: The Bluffs on New River  
 ADDRESS: Lot 52  
 LOCATION: off Gumbranch Rd.

ECR 2011-02712  
 ECA 2011-00209

Addendum to Permit # EIP2010-00480  
 Page 1 of 1

**PLOT PLAN**

SCALE: 1 inch = 50 feet



1. Do not park or drive on any part of the septic system or repair area.
2. Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover / backfilling.
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 NC Laws and Rules for Sewage Treatment, and Disposal Systems (Article 11, G.S. Chapter 130A), unless otherwise indicated in this permit.
6. All pump tanks shall be tested for water tightness. In addition, septic tanks may be subject to a water tightness 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, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
8. An accepted wastewater system may also be installed in accordance with the Accepted Wastewater System Approval (AWWS-05-01 or AWWS-05-02). Maximum LTAR of 1.0 gpd / ft<sup>2</sup>.
9. Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
10. A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR TO** the issuance of the Construction Authorization.
11. An **APPROVED** stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR** to issuance of a Construction Authorization.
12. **FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY** - This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.

**SYSTEM DESIGN**

# BEDROOMS/ GPD: 4 BR / ≤ 480 gpd  
 SYSTEM TYPE: Conventional  
 % REDUCTION: none  
 LTAR: 0.5  
 SQ. FT. 960 LINEAR FEET 320  
 # OF LINES: 5  
 LENGTH EACH LINE: 64'  
 TRENCH BOTTOM: 18"  
 TRENCH WIDTH: 3 FEET W/ LINES  
9 FEET ON CENTER  
 REPAIR AREA: 36' X 60' - 0.5 LTAR  
25% reduction  
4-60' lines; 18" TB

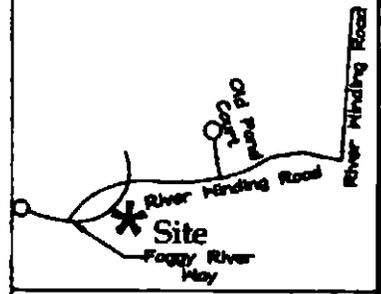
12-20-10

**Legend:**

- Ac. - Acreage
- CH - Chord
- D.B. - Dead Book
- L - Arc Length
- M.B. - Map Book
- MBL - Minimum Building Line
- Pg. - Page
- R - Radius
- R/W - Right-of-way
- s.t. - Septic Tank
- w.s. - Water Service

BL-11-457

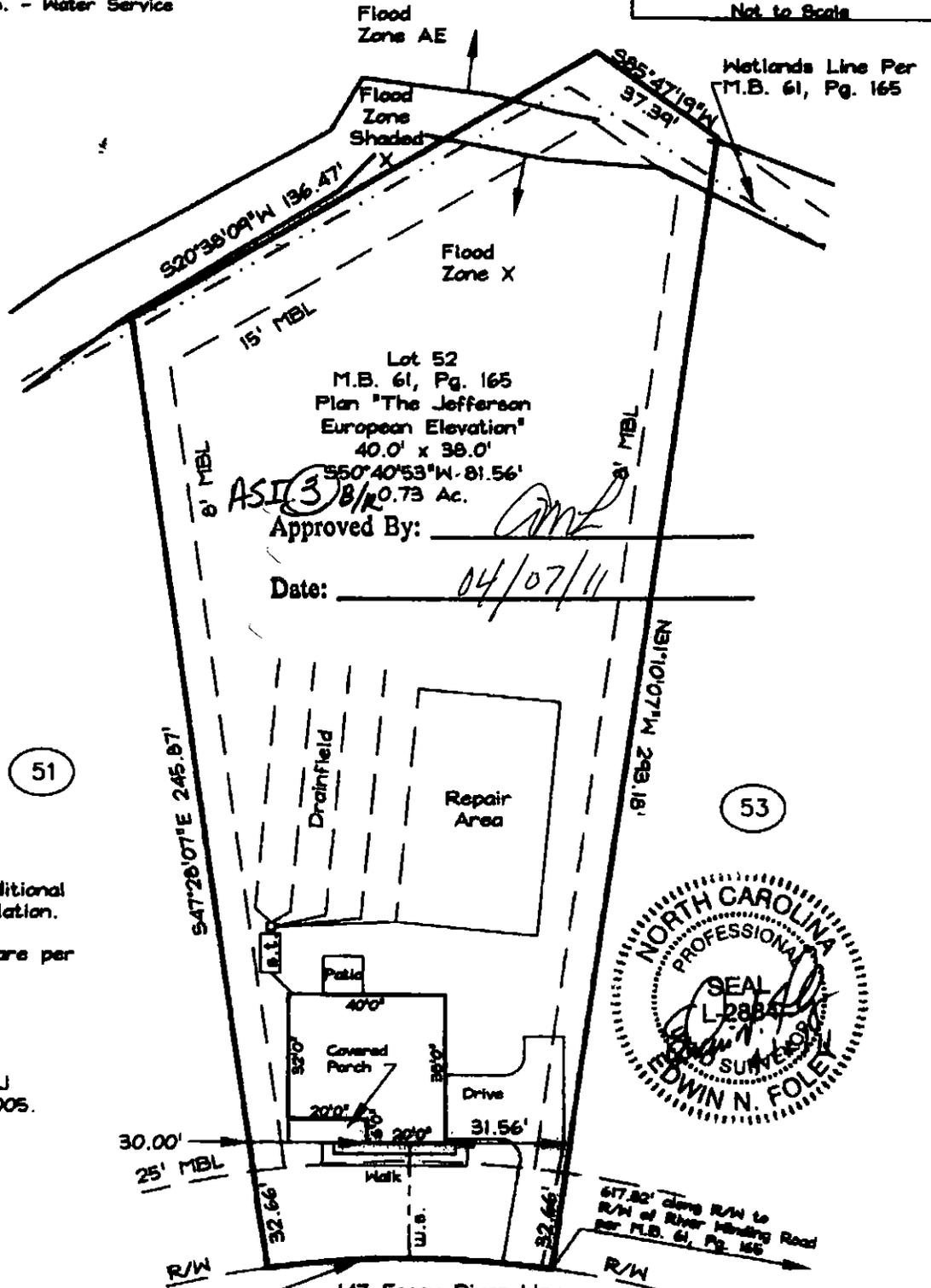
Morton Investments, LLC  
D.B. 3289, Pg.411



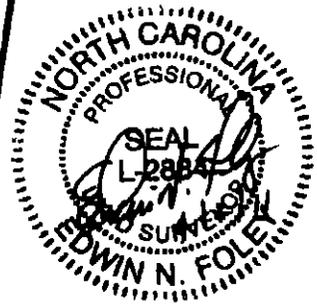
Vicinity Sketch

Not to Scale

House Staking Data  
40.0' x 38.0'  
0' O/S Left-10.00'  
0' O/S Right-31.56'  
Diagonal-85.17'



North Per  
M.B. 61, Pg. 165



See septic permit for additional information and for installation.

House Dimensions shown are per foundation plan provided by owner.

Dwelling will be in Flood Zone X per FIRM CPN #370340 4359J Effective November 3, 2005.

NO RECORD SEARCH DONE BY OR FURNISHED TO SURVEYOR IN REGARD TO ZONING, SETBACKS.

R=255.00'  
L=72.54'

147 Foggy River Way  
Foggy River Way  
EN D 1A7

## SEPTIC TANK INSPECTION CHECKLIST (Type II-IV)

Name: Bluffs

Location: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_ Lot 52

Date of Construction Authorization 3-17-11 (If after January 1, 1999, Septic Tank with filter required)

SEPTIC TANK	INITIAL DATE	NITRIFICATION LINES	INITIAL DATE
Manufacture Date <u>4-2-11</u>	<u>EM</u>	Trench Type: <u>poly</u>	<u>EM</u>
State ID Number <u>STB 134</u>	<u>5-25-11</u>	Trench Width: <u>3'</u>	<u>5-25-11</u>
Capacity <u>PAGE 1350</u>		Trench Length: <u>60' x 4'</u>	
Tee/Approved Filter		Trench Bottom Depth	
Baffle		Trench Grade	
Sealant		Rock Depth & Quality (3, 4, 5, 57, 6)	<u>NA</u>
Tank Penetration Seal		Aggregate Cover	
Riser if Applicable	<u>NA</u>	Warranty (if applicable)	
<b>PUMP TANK</b>		Dams/Stepdowns/Drop box, etc.	
Manufacture Date		Pressure Lateral:	
State ID Number		Hole Spacing:	
Capacity		Hole Size:	
Waterproof/Sealant		Turn-ups/Protectors	
Riser		<b>DISTRIBUTION SYSTEM</b>	
Water tightness Test (Note Reading Below)		Distribution Method: <u>D-BOX</u>	<u>EM</u> <u>5-25-11</u>
<b>PUMP</b>		Serial Dist.	<u>NA</u>
Check Valve/Gate valve		Pressure Manifold	
Anti-siphon Hole (Size )		Pipe (Material and Grade)	
Float Switches		Valves	
Electrical Components		<b>SUPPLY LINE</b>	
Rate (gpm)		Location	
Pump Manufacturer:		Pipe (Material)	
Pump Model Number:		Pipe Size	
Pump Removal Method		Hydrostatic Leak Test:	
<b>GREASE TRAP</b>		<b>LANDSCAPING</b>	
Manufacture Date		Surface Drain	
State ID Number		Subsurface Drain	
Capacity		Depth of Cover: Tank: <u>1'-2"</u> Drainfield: <u>26"</u>	<u>EM</u> <u>5-26-11</u>
Tee/Approved Filter		Finish Grade/Stabilize (if applicable)	
		Permanent Markers	
		<b>OTHER</b>	
		System Setbacks	<u>EM</u> <u>5-25-11</u>
		Legal Documents	<u>NA</u>
		Mound Approved (Texture, Interface, Location, Length, Depth, Width)	
Contractor: <u>Arndds</u>			

Revised 6-20-07

COMMENTS: