

# HAL OWEN & ASSOCIATES NC.

## SOIL & ENVIRONMENTAL SCIENTISTS

P. O. Box 400, 266 Old Coats Road  
Lillington, NC 27546  
Phone (910) 893-8743 / Fax (910) 893-3594  
E-mail: halowen@intrstar.net

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18 June, 2001

Mr. Bobby Byrd  
8654 US 421S  
Erwin, NC 28339

Reference: Lot 7, Myrtle Wood  
Septic System Design

Dear Mr. Byrd,

A septic system design was prepared for the above referenced lot on June 15, 2001. The purpose of this investigation was to design an adequate septic system for lot 7 that would support a typical three-bedroom home. A gravity-driven conventional septic system was designed for the initial and repair system. The attached septic system design and supporting information has been sent to the Harnett County Health Department for the review and permitting process. This report represents my professional opinion as a Soil Scientist In Training II but does not guarantee or represent permit approval for any lot by the local Health Department.

The septic system has been demonstrated with various colored pin flags that are located on the lot. **It is recommended you take extra care when construction occurs on the lot. It is important that you do not disturb the septic system area. It may be necessary to place a protective fence or staked line around the system to eliminate any potential damage to the soil or the layout of the system.**

I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Laura J. Fortner

# Lot 7, Myrtle Wood

## On-Site Wastewater Design Specifications

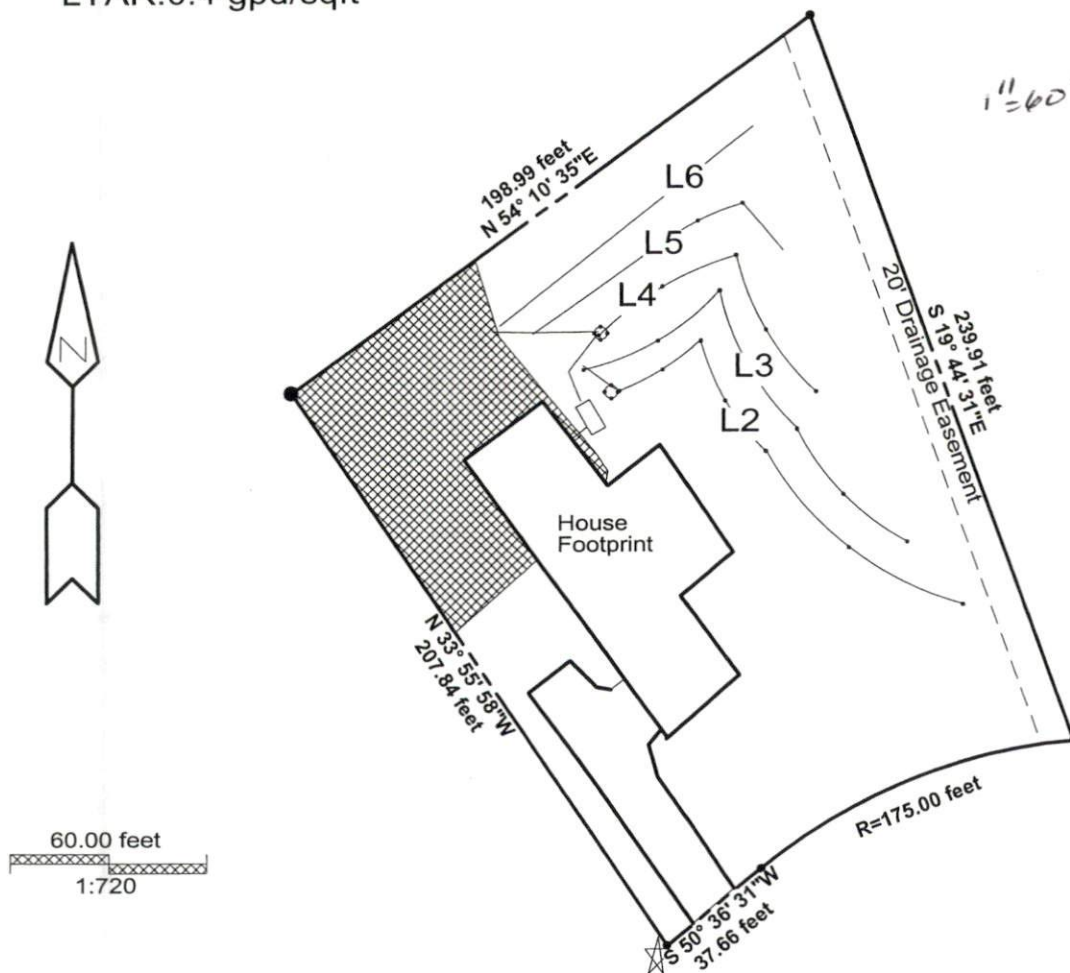
House Footprint: 50' x 110' (Foundation Drain Possible)  
 Bedrooms: 3 w/ gravity driven conventional initial & repair

prepared By:  
 Hal Owen & Associates, Inc.  
 Soil & Environmental Scientists  
 P.O. Box 400, 266 Old Coats Rd.  
 Lillington, NC 27546-0400  
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Initial System: 2 x 150' gravity driven conv.  
 on contour at: 18-24 inches  
 LTAR: 0.4 gpd/sqft  
 Repair System: 3 x 100' gravity driven conv.  
 on contour at: 18 inches  
 LTAR: 0.4 gpd/sqft

### LEGEND

☆	EIP	□	Septic Tank
⊥	Step-down	■	Pump Tank
⊙	Proposed Well	○	D-Box
⊗	Existing Well	⊠	Pressure Manifold



Lines flagged at site on 9-ft centers.

Initial/Repair	Line #	Color	Drainline Length(ft)	Measured Field Line Length (ft)	Relative Elevation (ft)
N/A	1	W	0	140	97.94
Initial	2	R	150	150	97.12
Initial	3	Y	150	150	96.67
Repair	4	B	100	145	96.09
Repair	5	R	100	135	95.22
Repair	6	W	100	120	94.18
<b>Total:</b>			<b>600</b>	<b>840</b>	<b>EIP=0</b>

\*\* The unsuitable soils have been transferred from a hand drawn map and are approximate.

# Hal Owen & Associates, Inc.

266 Old Coats Road  
 P.O. Box 400  
 Lillington, NC 27546  
 (910) 893-8743

## Invoice

Bill To
Bobby Byrd 8654 US 421 S. Erwin, NC 28339

Date	Invoice #
6/19/2001	731
Project	
Lot 7, Myrtlewood	

Date	Item	Description	Qty	Rate	Amount
6/6/2001	SL SS	Senior Licensed Soil Scientist	2.5	70.00	175.00
6/6/2001	FA 1	Field Assistant I	2.5	20.00	50.00
6/15/2001	SL SS	Senior Licensed Soil Scientist	1	70.00	70.00
6/15/2001	SSIT 2	Soil Scientist-In-Training II	1.75	50.00	87.50
6/18/2001	SSIT 2	Soil Scientist-In-Training II	0.75	50.00	37.50
				<b>Total</b>	\$420.00

Payment in full is due within thirty (30) days of the date of this invoice. A service charge of 1.5% per month will be added to any outstanding balance after thirty days. You may avoid additional charges by forwarding payment in full at your earliest opportunity.

<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$420.00

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18 June, 2001

Harnett County Environmental Health  
P.O. Box 9  
Lillington, NC 27546

Reference: Lot 7, Myrtle Wood  
Septic System Design

Dear Environmental Health Specialist,

A septic system design was prepared for the above referenced lot on June 15, 2001. The site is located on the East Side of U.S. 421 on Green Forest Circle, Grove Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of this lot to support a subsurface sewage waste disposal system and 100 % repair area for a typical three-bedroom home. A gravity-driven conventional septic system is the proposed design for the initial and repair system utilizing a 0.4 gpd/sqft long-term acceptance rate.

Attached is the septic system layout and supporting information for this lot. I trust that this report provides all the information that you require at this time. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Laura J. Fortner  
Soil Scientist in Training II