# Lot 8 Wynn Ridge

#### **Initial System:**

NEEDED

3 Bedroom House (Foundation Drain Ressible)

Gravity driven conventional (2 x 160 ft)
On contour at 18 inches

LTAR: 0.75 gpd/sqft

#### Repair System:

3 Bedroom House (Foundation Drain Possible)
Pump to ultra shallow innovative drainlines (300ft)
On contour at 12 inches
LTAR: 0.3 gpd/sqft

Lines flagged at site on 9-ft centers.

Initial/ Repair	Line#	Line Color	Drainline Length(ft)	Measured Field Line Length(ft)	Relative Elevation(ft)
Initial	1	В	50	50	96.13
Initial	2	Υ	30	35	95.62
Initial	3	W	33	33	94.98
Initial	4	В	27	29	94.08
Initial	5	Υ	20	21	93.34
N/A	6	W	0	43	99.64
Repair	7	R	100	100	98.92
Repair	8	W	90	90	98.17
Repair	9	В	60	65	97.21
Repair	10	Y	60	60	96.2
		Total:	470	526	☆ EIP = 100.00

FOR REFRENCE OFF LINE LAYOUT

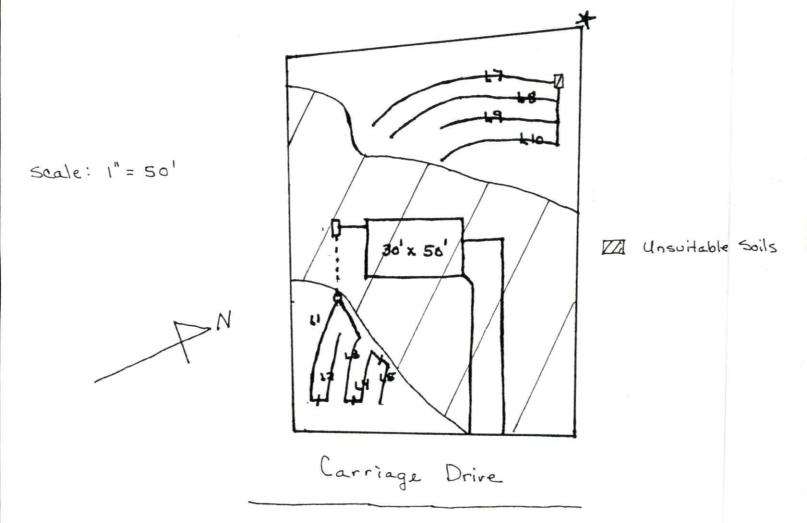
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Lot 8, Wynn Rid

Prepared By:

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Property of the Proper

# FOR REFRENCE OF LINE LAYOUT ONLY!



#### Map Legend

TT -	EIP		Septic Tank
_	Step-Down		Pump Tank
$\overline{\mathcal{W}}$	Proposed Well		D-Box
$\otimes$	Existing Well	ZZ	Manifold

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Lot 8, Wynn Rider

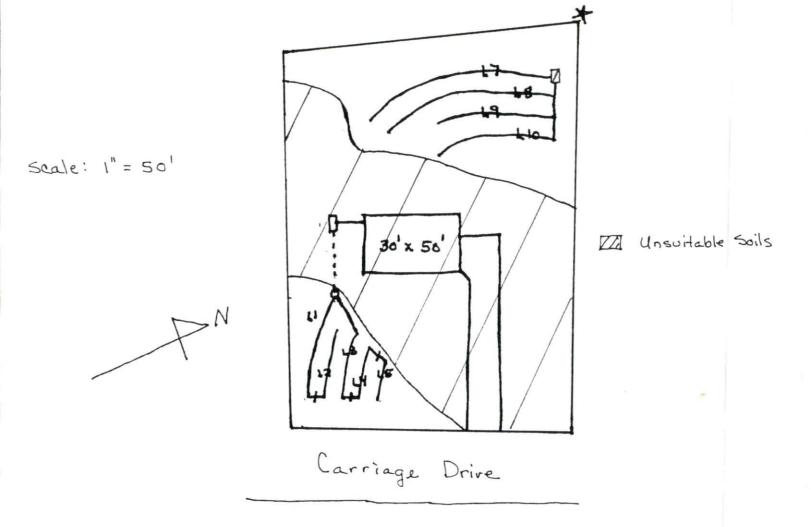
Prepared By:

"al Owen & Associates, Inc.

iil & Environmental Scientists

r.O. Box 400, Lillington, NC 27546

Ph (910)893-8743 Fax (910)893-3594



Map Legend

EIP Septic Tank

Step-Down Pump Tank

Proposed Well D-Box

Existing Well Manifold

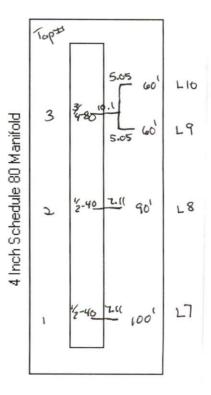
Lot 8, Wynn Ridge Repair System

## Prosure Manifold Design Crito...3

_ine	Initial / Repair	Drainline Length(ft)	Tap Size/ Schedule	gpm/tap	gpm/ft	gpd/ft	LTAR (gpd/sqft)
7	Repair	100	1/2-40	7.11	0.0711	1.0525	0.351
8	Repair	90	1/2-40	7.110	0.0790	1.1694	0.38980
9	Repair	60	3/4-80	0.1-5.050	0.0842	1.2459	0.415
10	Repair	60		5.050	0.0842	1.2459	0.415
			+				
			-				

Pressure Head (ft)=	2.0	
Daily Flow	360	
Total Flow (gpm)=	24.32	
Target LTAR (gpd/sqft)=	0.4	
LTAR + 5%	0.420	
Daily PRT(min)=	14.80	
Dose Vol(gal)=	151.82	@ 75%
Dose PRT(min)=	6.24	

\* Tap 3 has a Flow divider



Hal Owen Associates, Inc. Soil Environmental Scientists P.O. Box 400, 266 Old Coats Road Lillington, NC 27546 Phone (910) 893-8743

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

6 June, 2001

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

Reference: Lot 8, Wynn Ridge Septic System Design

Dear Mr. McSwain,

A septic system design was prepared for the above referenced lot on June 4, 2001. The site is located on the west side of Carriage Drive off the North side of Old Stage Rd. (S.R. 1006), Harnett County, North Carolina. Our purpose was to redesign the previously proposed septic system upon your request due to site limitations as discussed at the site meeting with Hal Owen. The lot was demonstrated to be able to adequately support a subsurface sewage waste disposal system and 100 % repair area for a typical three-bedroom home. A foundation drain will be possible if so desired. The initial system proposed is a gravity driven conventional system. The repair will require a pump to a pressure manifold innovative septic system.

Attached are the septic system layouts 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