

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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22 May, 2003

Mr. Joe West  
Harnett County Environmental Health  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546

Reference: Lot H10, Carolina Seasons, Section IV  
Septic System Layout and Design

Dear Mr. West,


A site investigation was conducted on 20 January 2003 for the above referenced property, located in Johnsonville Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of Lot H10 to support a subsurface sewage waste disposal system and 100 % repair area for a typical three-bedroom home. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal, 15A NCAC 18A .1900."

Lot H10 contains adequate amounts of provisionally suitable to support a conventional initial septic system, but the repair area must be located in a septic easement on the back of Lot H12. The initial system is proposed as a pump to a distribution box (or two) that will serial distribute to 400 feet of conventional drainline. The repair area is proposed as a pump to a distribution box that will serial distribute to 240 feet of conventional drainline.

A site investigation was conducted on the remainder of Lot H12, and it appears that the soils are adequate to support a pump conventional septic system and repair area for a three-bedroom residence.

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,

  
Hal Owen  
Licensed Soil Scientist



CC: Van Groce

## SEPTIC SYSTEM LAYOUT DESIGN

Applicant: Mr. Van Groce, The Groce Companies Phone #: \_\_\_\_\_  
 mailing address: PO Box 2825, Sanford, NC 27331-2825

Site Address: Lot H10, Carolina Seasons, Section IV

# Bedrooms: 3 Daily Flow: 360 gallons

Lines flagged at site on 9 ft centers.

Initial / Repair	Line #	Line color	Measured Field Line Length(ft)
Initial	1	W	15
Initial	2	B	27
Initial	3	R	39
Initial	4	W	42
Initial	5	B	46
Initial	6	R	28
Initial	7	W	29
Initial	8	B	24
Initial	9	R	26
Initial	10	W	26
Initial	11	R	25
Initial	12	W	26
Initial	13	R	25
Initial	14	W	28
<b>Total:</b>			<b>406</b>
Repair	15	B	45
Repair	16	R	50
Repair	17	W	70
Repair	18	B	77
<b>Total:</b>			<b>242</b>

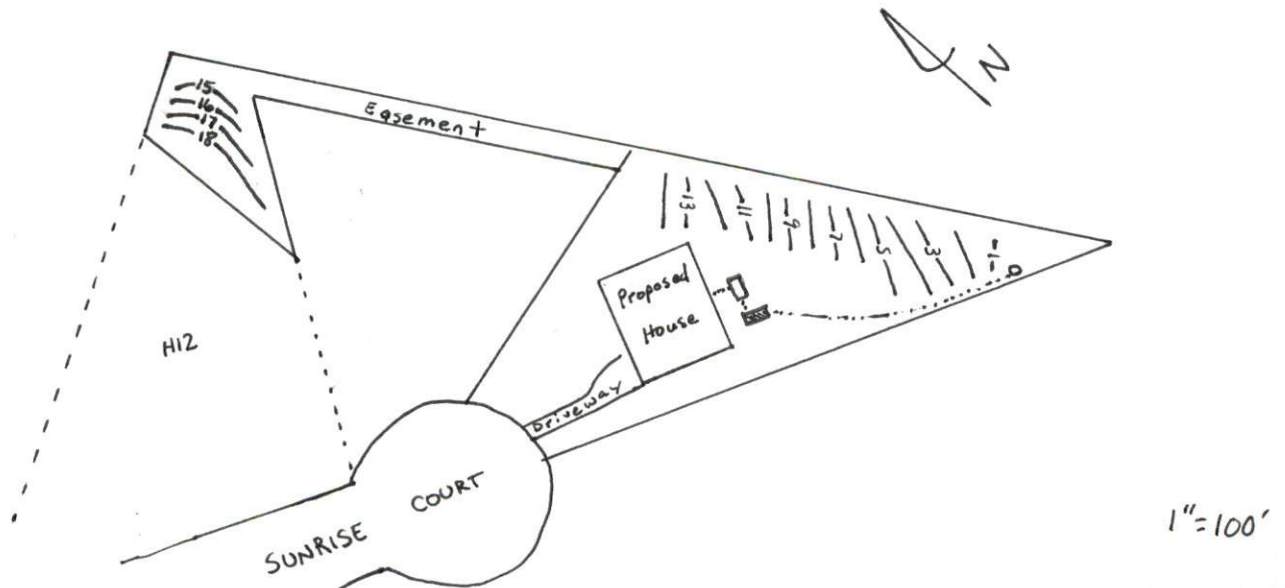
### PROPOSED SYSTEM:

#### Initial System

Pump to D-Box, serial distribute  
 400ft of conventional drainline,  
 On contour at 18 to 24 inch depth  
 LTAR 0.3 gal/day/sqft

#### Repair System

Pump to D-Box, serial distribute  
 240ft of conventional drainline  
 On contour at 18 to 24 inch depth  
 LTAR 0.5 gal/day/sqft



## SEPTIC SYSTEM LAYOUT DESIGN

Applicant: Mr. Van Groce, The Groce Companies Phone #: \_\_\_\_\_  
 mailing address: PO Box 2825, Sanford, NC 27331-2825

Site Address: Lot H12, Carolina Seasons, Section IV

# Bedrooms: 3 Daily Flow: 360 gallons

Lines flagged at site on 9 ft centers.

Initial / Repair	Line #	Line color	Measured Field Line Length(ft)
Initial	1	R	142
Initial	2	W	132
Repair	3	B	131
Repair	4	R	125
	5	W	117
	6	B	95
<b>Total:</b>			<b>742</b>

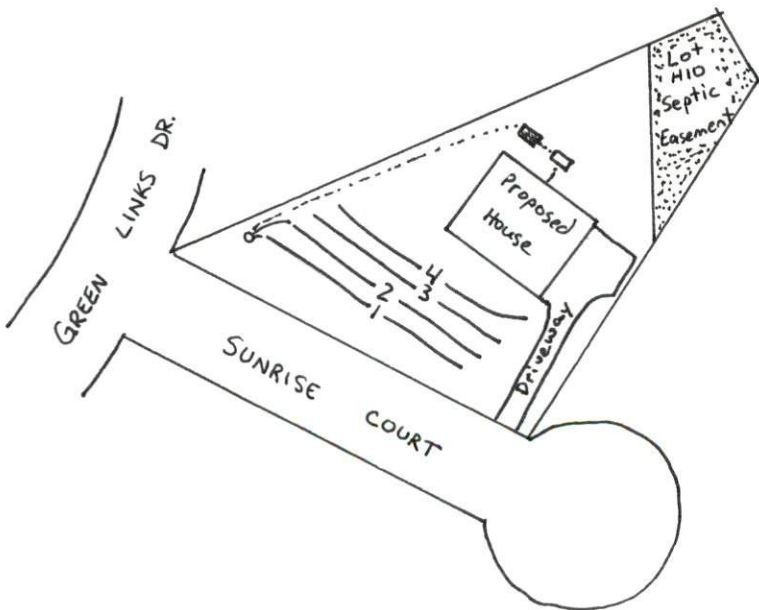
### PROPOSED SYSTEM:

#### Initial System

Pump to D-Box to  
 2 x 120ft of conventional drainline,  
 On contour at 18 to 24 inch depth  
 LTAR 0.5 gal/day/sqft

#### Repair System

Pump to D-Box to  
 2 X 120ft of conventional drainline  
 On contour at 18 to 24 inch depth  
 LTAR 0.5 gal/day/sqft





P.O. Box 2825, 1504 S. Horner Blvd., Sanford, NC 27331-2825

Phone 919-775-1497

www.grocecompanies.com

Joe West,  
Harnett Co Dept Environmental Health

Please Cancel Permit 5390

as we are placing an easement  
on Lot 12 -

Hal Owens will be in contact  
with you regarding the permit  
for Lot 10 - We will re apply  
for H 12 if & when we need it.

Van Groce

Van R. Groce, Sr. - President  
Van R. Groce, Jr. - Construction  
Diane Rives - Construction

Ext. 18  
Ext. 16  
Ext. 17

Sandra Trogdon - Accounting  
Margaret McNeill - Property Mgmt.  
Fax

Ext. 11  
Ext. 13  
(919) 774-7777

NOTE: A FIELD SURVEY WAS NOT PERFORMED  
BOUNDARY INFORMATION TAKEN FROM PLAT OF  
CAROLINA SEASONS SECTION V LOCATED IN  
PLAT CABINET F, SLIDE 360-D.

NEW EASEMENT MAP FOR:

**LOT H 10 CAROLINA SEASONS  
SECTION IV**

PLAT CABINET F, SLIDE 360-D  
JOHNSONVILLE TOWNSHIP  
HARNETT COUNTY, NC  
DATE 2-25-03

OWNERSHIP:  
LOT H 12 CAROLINA SEASONS INC. 916/287  
LOT H 11 BELLA ANDERSON 1143/801  
LOT H 10 CAROLINA SEASONS INC. 916/287



*Michael A. Deal*

