

BRUNSWICK COUNTY HEALTH DEPARTMENT  
P.O. BOX 9 BOLIVIA, N.C. 28422 (910) 253-2250

IMPROVEMENT PERMIT

PERMIT IS SUBJECT TO REVOCATION IF SITE PLANS OR THE INTENDED USE CHANGE

An Authorization for Wastewater Construction must be attached to the Improvement Permit before any other permit can be issued and before a wastewater system can be installed.

Supporting documents such as the completed application form, site evaluation form, fill plan, etc. are considered a part of this Improvement Permit.

Owner/Authorized Agent : SEASCAPE @ HOLDEN PLANTATION Tax Parcel : 05 233HA053

Lot: 53 Block: \_\_\_\_\_ Section: 1A Subdivision : SEASCAPE @ HOLDEN PLANTATION

Residential : XX Water Supply: XX Public \_\_\_\_\_ Private (well) \_\_\_\_\_

No. of units : 1 No. of bedrooms : 3 No. of occupants : 6 MAXIMUM

Commercial : N/A Number of employees : N/A

Type of business: \_\_\_\_\_

Septic tank volume: 900 LTAR: 0.80 gpd/sq. ft. Drainfield sq. feet: 450

No. of Lines: 4 Length ea.: 38' Trench width: 36 Bed : N/A

Trench/ Bed bottom depth no deeper than: 18 inches Pump tank volume: N/A  
(if applicable)

Conditions as marked below must be met. Any site modification conditions must be completed and approved prior to issuance of an Authorization for Wastewater Construction and the installation of the wastewater system.

- Keep 100 feet from all water supplies (minimum of 50 feet must be maintained).
- Keep 10 feet from all water lines .
- Keep 10 feet from any property lines (no less than 5 feet for lots recorded prior to 7/1/77)
- Do not drive over, park, pave, or build any structure over the area for the septic tank system and the repair area if applicable.
- Do not install the septic system during wet conditions.
- Maintain Gravity Flow for septic system.
- If Septic System Uses Rock Aggregate/Approved Filter Fabric Covering Required  
Drainage Maintenance Required.
- Suitable Fill material must be installed exactly per the Health Department approved fill plan. *Fill check must be completed by the Health Dept. prior to issue of Authorization for Wastewater Construction.*
- \_\_\_\_\_ Approved for use of Alternative/Innovative Wastewater System (Specify) \_\_\_\_\_
- \_\_\_\_\_ Submit Wastewater plans to the Health Department for review/approval
- Septic Tank System must be installed per the Construction Authorization Permit.

IMPROVEMENT PERMIT DATE: 9/13/00 EXPIRATION DATE: VALID WITHOUT EXPIRATION

Permit Not Valid Unless Signed by Authorized Agent: [Signature]  
Signature

Actions of Brunswick County Health Department representatives engaged in the evaluation and determination of measures required to effect compliance with the applicable laws and rules shall in no way be taken as a warranty that sewage treatment and disposal systems approved and permitted will function in a satisfactory manner for any given period of time. Permit is subject to revocation if the site plan or plat whichever is applicable, or the intended use changes.

The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances which may be imposed by other government agencies (local, state, and federal) which have jurisdiction.

**Septic Tanks Shall  
Have An Approved  
Effluent Filter &  
Access Devices.**

BRUNSWICK COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH DIVISION  
PO BOX 9, BOLIVIA, NC 28422

FILL PLAN FOR WASTEWATER SYSTEM

Fill

In some cases your property can be modified in order to install a conventional or modified conventional septic tank system. A commonly accepted Site Modification is the use of fill.

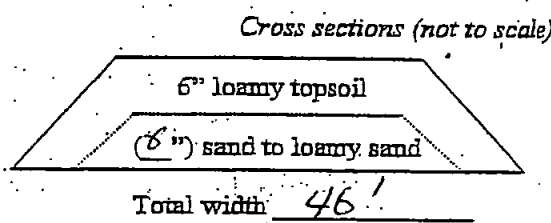
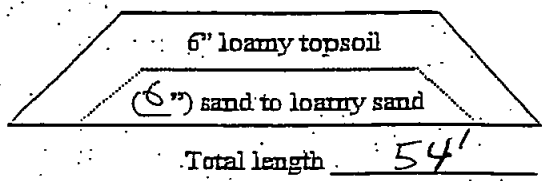
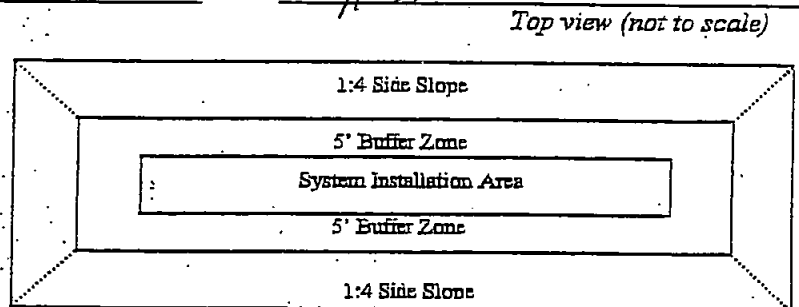
Fill is a specific amount of soil (sand to sandy loam) placed in an area designated for the septic system to overcome limitations of the soil and site due to shallow soils, shallow seasonal high water tables, restrictive soil horizons and other soil characteristics. Fill can be placed on a site to raise the area for the nitrification drain lines so the suitable shallow soils can be utilized. The area and depth of the fill will vary due to the limiting soil condition.

The following fill plan is for your proposed site and may be subjected to revision if the information changes on your Improvement Permit.

Fill Plan for John P. Williams  
Seasurge at Holden Plantation Lot 53 Sec 1A

Fill Proposal by James A Davis R.S. Date 9/13/00

Design Flow/day 360  
Application rate 0.80  
Total depth of fill 12"  
Total area of fill 46' x 54'  
1. System and Buffer zone 40' x 48'  
2. Length of Side slope 6'



Fill Procedure:

1. Prior to installation of fill, remove vegetation and root mat and disk fill area
2. After the addition of 4" to 6" of sand or loamy sand fill, disk fill site again to provide a mix of fill and natural soil to a depth of 6" below the natural ground surface.
3. Add enough additional sand or loamy sand fill to achieve a depth of ( ) in system installation and buffer zone area. This area including side slopes shall be covered with an additional 6" of sandy loam to loamy topsoil to establish vegetative ground cover. Total depth of fill is ( ).
4. Construct a 1:4 side slope as shown from the top edge of the fill tapered down to the natural ground surface.
5. Achieve level grade along long axis of fill.
6. The fill system shall be shaped to shed surface water.
7. Call for re-inspection by Health Department.
8. After installation of the sewage system, the fill area shall be reshaped to shed surface water and seeded with grass to establish vegetative ground cover.

Notes: Home site may need to be modified to insure gravity flow to system. Any setbacks required are measured from the outer edge of the fill.

EHS Signature \_\_\_\_\_ Date \_\_\_\_\_

This signature affirms that the fill as described above has been checked and approved by the above Environmental Health Specialist.

\*\*\*\*\* SEE FILL PLAN SKETCH \*\*\*\*\*  
FILL PAD MUST BE INSTALLED IN AREA DESIGNATED BY HEALTH DEPT

Fill Plan By: James Davis  
 Date: 9/13/00

File No. 00/54474

**Brunswick County Health Department**  
 Fill Plan Sketch (Not to Scale)

Fill pad must be located in specific area indicated. Variations may result in the revocation of the Improvement Permit.

\*\*\*~~Not to Scale!!!~~\*\*\*

1" = 40'

**SYSTEM REQUIREMENTS:**

System Type: fill c  
 Number of Bedrooms: 3  
 Type of Business: n/a  
 Number of Employees: n/a (6000 sq ft maximum)  
 Septic Tank Size: 900  
 LTAR: 0.80 Sq. Ft. 450'  
 No. Lines: 4 Length Ea. 38'  
 Line Width: 36" Line Center: 9'  
 Line Depth: 18" with Fill Pad  
 Fill Depth: 12"  
 Fill Area: 46' x 54'

**CONDITIONS!!!**

- 1) Read fill plan very carefully!
- 2) Properly prepare approved septic location for required fill to be added.
- 3) Landscaping of site by addition of fill only!
- 4) Place fill on site in EXACT location shown. LEVEL surface of fill over system area and buffer zone. Slope as required. Call for a FILL CHECK when ready.
- 5) Raise plumbing of structure to allow sufficient gravity flow to septic system in fill.
- 6) No driving over any part of the septic system or repair area!!!
- 7) No decks, porches, sheds, patios, pools, etc. over any part of septic system or repair area.
- 8) Keep all setbacks as shown!!!
- 9) \_\_\_\_\_
- 10) \_\_\_\_\_
- 11) \_\_\_\_\_

