

# Southeastern Soil & Environmental Associates, Inc.

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March 29, 2016

Mr. Chester Beard  
PO Box 841  
Lillington, NC 27546

Re: Soil/site evaluation for subsurface waste disposal repair system, 2816 Hwy. 210  
South, Harnett County, North Carolina

Dear Mr. Beard,

A soil/site evaluation has been conducted on the aforementioned property at your request. The purpose of the investigation was to evaluate the existing system and determine if soils on the adjoining property (off site) were acceptable for a repair subsurface waste disposal system to serve the existing single family residence (3 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".

The existing system recently failed after sitting idle for a period of time. Upon startup, a pumped dose exceeding the design flow was discharged which caused effluent from a drainline to surface (near end).

I recommend the following for the existing system:

- 1) Check the existing tanks for leaks. Seal any potential areas of groundwater infiltration.
- 2) If the drainline continues to fail, install a French Drain on the right side property line (above the system). This drain will need to be at least 48" deep.

The purchase of a small portion of the adjoining property (approximately 70' x 100') will provide a longer term solution. These soils have provisionally suitable properties exceeding 36 inches. The site essentially lies on a linear slope (2 - 6%) landscape. Soil

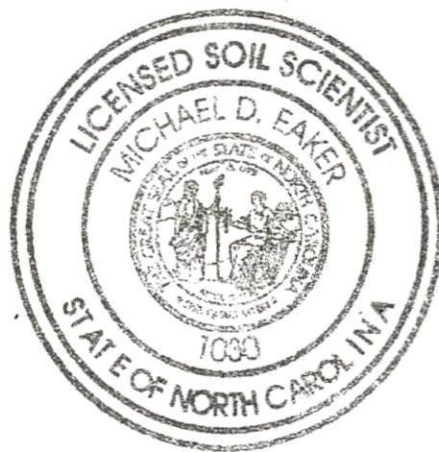
borings conducted in this area consisted of 24 or more inches of loamy sand underlain by sandy clay loam extending to 40 or more inches. Soil wetness and/or parent material (greater than 50%) was typically observed greater than 36 inches below the soil surface. All other soil characteristics were either suitable or provisionally suitable to at least 36 inches.

This report only represents my professional opinion as a licensed soil scientist. Permits will only be granted if health department personnel concur with the findings of this report.

Sincerely,



Mike Eaker  
NC Licensed Soil Scientist





POB 341 CUE



## Harnett County Soils Overlay Results

☐ Zoom in   ☐ Zoom out   ☒ Pan

Map Scale = One Inch = 60'

**Owner Information:**

PID	100548 0001 17
NAME	CHRISTIANA TI
ADDRESS	No Data
CITY/ST	HOUSTON, TX
ACRES	0.9688973

Type profile

0-26+61

0-2736"

Top of exst lin  
1/2" = 30"Download Results: [So](#)installed to  
deep

ID	Soil Name	Hydric	Description
1	Sta		State fine sandy loam, 0 to 3 percent slopes

- ① Check Tanks for leaks
  - ② cover & try existing system
  - ③ Install FLD if failing
  - ④ purchase 60' x 60' from adjoining property
- 2816 Hwy 210 S