

HTE 05-5-11144

# IMPROVEMENT PERMIT

21711

Be it ordained by the Harnett County Board of Health as follows: Section III, Item B. "No Person shall begin construction of any building at which a septic tank system is to be used for disposal of sewage without first obtaining a written permit from the Harnett County Health Department."

Name: (owner) Michael A Carrar

- New Installation
- Septic Tank
- Repairs
- Nitrification Line

Property Location: SR# 1121 Rwy Rd.

Subdivision Michael Carrar

Lot # 1

Tax ID # \_\_\_\_\_

Quadrant # \_\_\_\_\_

Number of Bedrooms Proposed: 100 gpd

Lot Size: 0.3 Ac

Basement with Plumbing:  Garage:

Water Supply:  Well  Public  Community

Distance From Well: 50 m ft.

**Following is the minimum specifications for sewage disposal system on above captioned property. Subject to final approval.**

Type of system:  Conventional  Other \_\_\_\_\_

Size of tank: Septic Tank: 1000 gallons Pump Tank: \_\_\_\_\_ gallons

Subsurface Drainage Field No. of ditches 2 exact length of each ditch 50 ft. width of ditches 3 ft. depth of ditches 18-28 in.

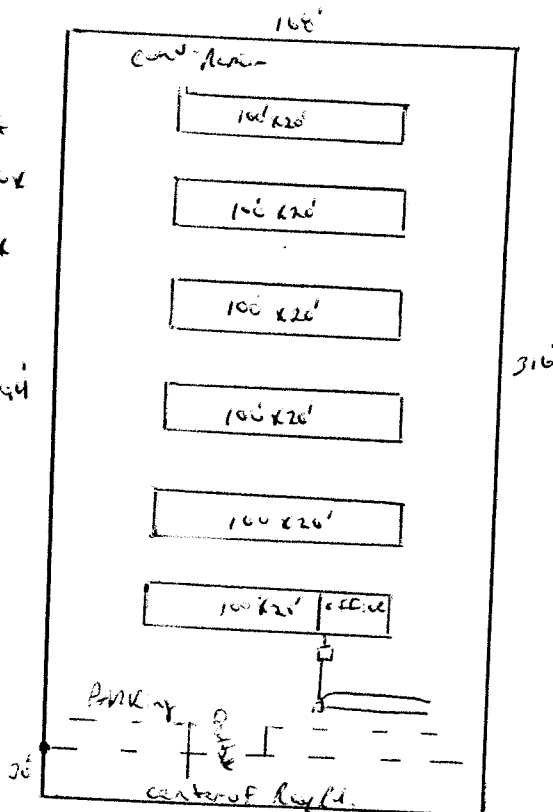
French Drain Required: \_\_\_\_\_ Linear feet

Date: 3/11/2005

Signed: Bryan McSwain R.S.  
Environmental Health Specialist

**This permit is subject to revocation if site plans or intended use change.**

- \* Maintain all setbacks
- \* Stub Plumbing out shallow
- \* Set tank shallow so that fall can be achieved to "D" Box
- \* Pipe From tank to "D" Box must be sleeved with iron ductile pipe
- \* Contractor to meet on site prior to installing system



HARNETT COUNTY DEPARTMENT OF PUBLIC HEALTH  
AUTHORIZATION TO CONSTRUCT

Authorization is hereby given to construct a wastewater system to the specifications described by Harnett County Department of Public Health, Improvement Permit # 21711. This authorization shall be valid for a period not to exceed five (5) years from the date of issuance. *This authorization will be invalid if ownership, site plans, or intended use change.*

Michael A. Cawnar Name 497-2078 Telephone #

4721 Ray Rd. Spring Lake NC. 27390 Address

1121 Property Location SR# Ray Road Name

Michael Cawnar Subdivision 1 Lot # 100 ypd # Bedrooms Proposed 6.5 AC Lot Size

**TYPE OF SYSTEM**

New Installation  Repair  Septic Tank  Nitrification Lines

Conventional  Other \_\_\_\_\_

Basement  With Plumbing  Without Plumbing

Water Supply:  Well  Public Water Supply Minimum Well Setback: 50 Ft.

Septic Tank 1000 gal Pump Chamber \_\_\_\_\_ gal

**NITRIFICATION FIELD SPECIFICATIONS**

Number of fields 1 # of lines per field 2 Length of lines 50 Ft.

Width of ditches 3 ft. Depth of ditches 18-24 inches

French Drain: Linear feet required \_\_\_\_\_ Depth of gravel \_\_\_\_\_

No wastewater system shall be covered or placed into use by any person until an inspection by the Harnett County Health Department has determined that the system has been installed according to the conditions of the Improvement Permit and that a valid Operations Permit has been issued.

Bryan McLean R.S.  
Signature of Authorized Agent for Harnett County

3/11/2005  
Date

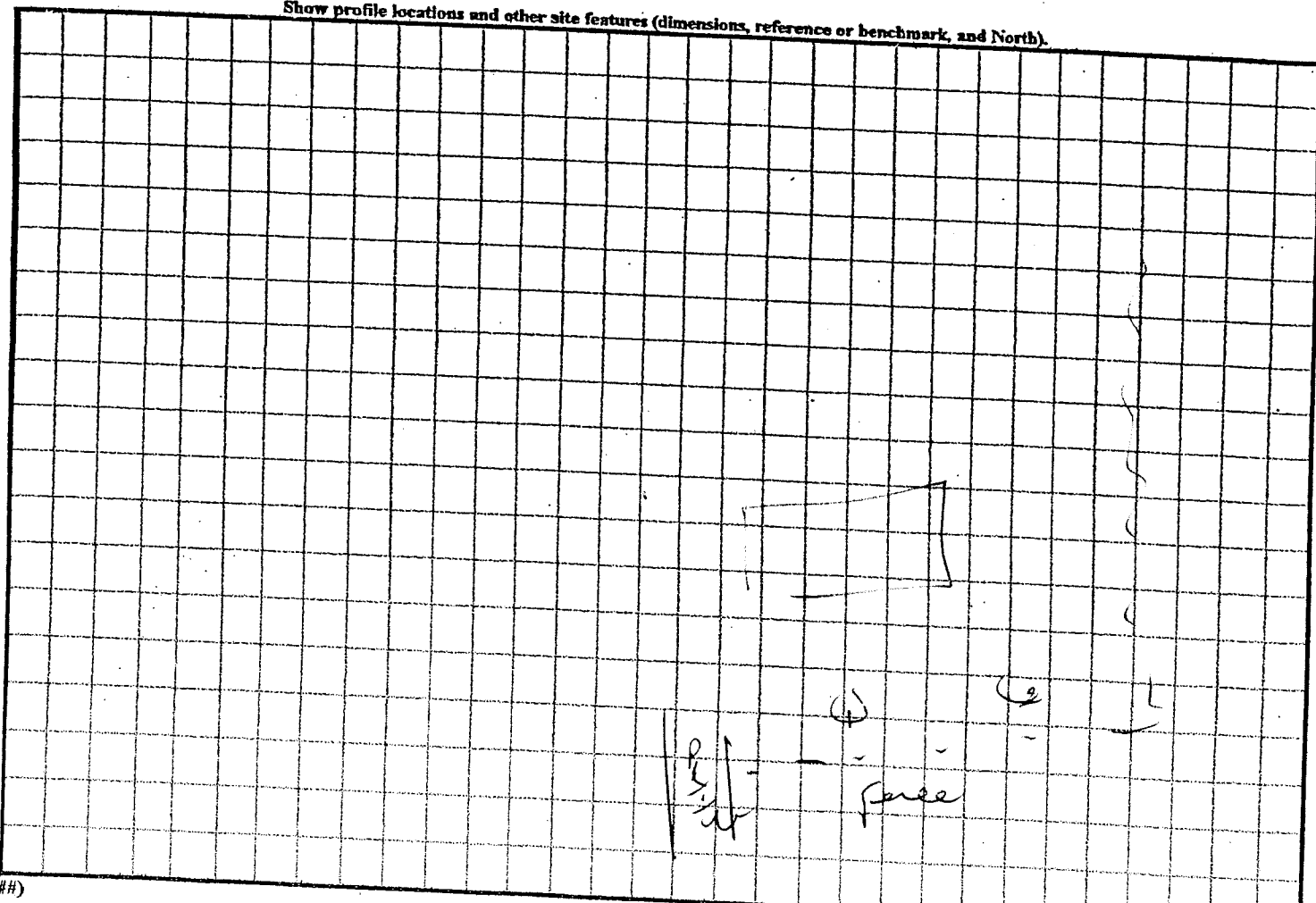
COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	NS-NON-STICKY SS-SLIGHTLY STICK S-STICKY VS-VERY STICKY NP-NON-PLASTIC SP-SLIGHTLY STICK P-PLASTIC VP-VERY PLASTIC
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6		
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE	III	SI-SILT-	0.6 - 0.3		
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1		
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			

- STRUCTURE  
 SG-SINGLE GRAIN  
 M-MASSIVE  
 CR-CRUMB  
 GR-GRANULAR  
 SBK-SUBANGULAR BLOCKY  
 ABK-ANGULAR BLOCKY  
 PL-PLATY  
 PR-PRISMATIC

- MINERALOGY  
 SLIGHTLY EXPANSIVE  
 EXPANSIVE

Show profile locations and other site features (dimensions, reference or benchmark, and North).



Property ID:  
 Lot #:  
 File #:  
 Code:

### SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner:

Applicant:

Address:

Date Evaluated:

Proposed Facility:

Design Flow (.1949):

Property Size:

Location of Site:

Property Recorded:

Water Supply:

- Public     Individual     Well

Spring

Other

Evaluation Method:

- Auger Boring     Pit

Cut

Type of Wastewater:

- Sewage     Industrial Process

Mixed

1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Class & LTAR
		1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
U 570	0-28	G/LS	VH NS NP					PS.4
	28-42	SBR/SCI	F. S SP					
	0-28	G/LS	VH NS NP					PS.3
	28-40	SBR SCI	F. S SP	2.5 YL 7/28				
	0-22	G/LS	VH NS NP					PS.3
	22-28	SBR/SCI	F. S SP	2.5 YL 7/28				
	0-21	G/LS	VH NS NP					PS.4
	21-42	SBR/SCI	F. S SP					

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	CONV	LC
Site LTAR	3	3

Other Factors (.1946): \_\_\_\_\_  
 Site Classification (.1948): PS  
 Evaluated By: BMBGB  
 Others Present: