

## SOIL EVALUATION REPORT

Date: 5/18/02

Developer: Mr. Larry K. Allen

Location: Murchisontown Rd. Harnett County

Project: Major subdivision of the Morley Farm

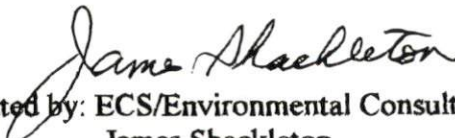
### SOIL EVALUATION

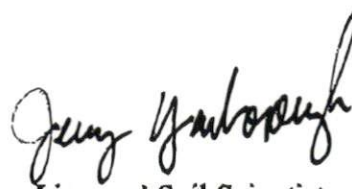
Developer Mr. Larry K. Allen proposes to subdivide a section of the Marley Farm into nine lots. Site evaluations were conducted on lot numbers 7,8,9,10,11,12,13,14, and 15 for the purpose of determining the soil suitability for subsurface sewage disposal. The proposed lots are located off Murchisontown Road and will be served by Harnett County Public Water.

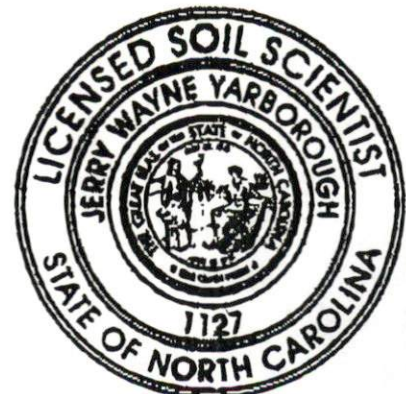
An area of suitable to provisionally suitable soil was located on each lot that should support the installation and repair of a conventional to an "At-Grade" fill septic system for a three-bedroom home. Soil depths ranged from 24" to 36" of sandy loam to sandy clay loam. The LTAR should range between .5g/ft<sup>2</sup> to .7g/ft<sup>2</sup>.

Soil profiles have been identified on site by pink and blue ribbons with soil depths recorded on them. The developer has been issued a plat indicating the general areas of potentially useable soil.

These determinations were made in accordance with 15A NCAC .1900 Laws and Rules for Sewage Treatment and Disposal. Due to variations in citing specific uses, and potential for changes in regulations or soil conditions, issuance of an Improvement Permit by the Harnett County Health Department is not guaranteed.

  
Report submitted by: ECS/Environmental Consulting Service  
James Shackleton

  
Licensed Soil Scientist  
Jerry Yarborough



Date: 12/03/02

Developer: Mr. Larry Allen

Project: Lot 16 Morley Farm Subdivision  
Harnett County

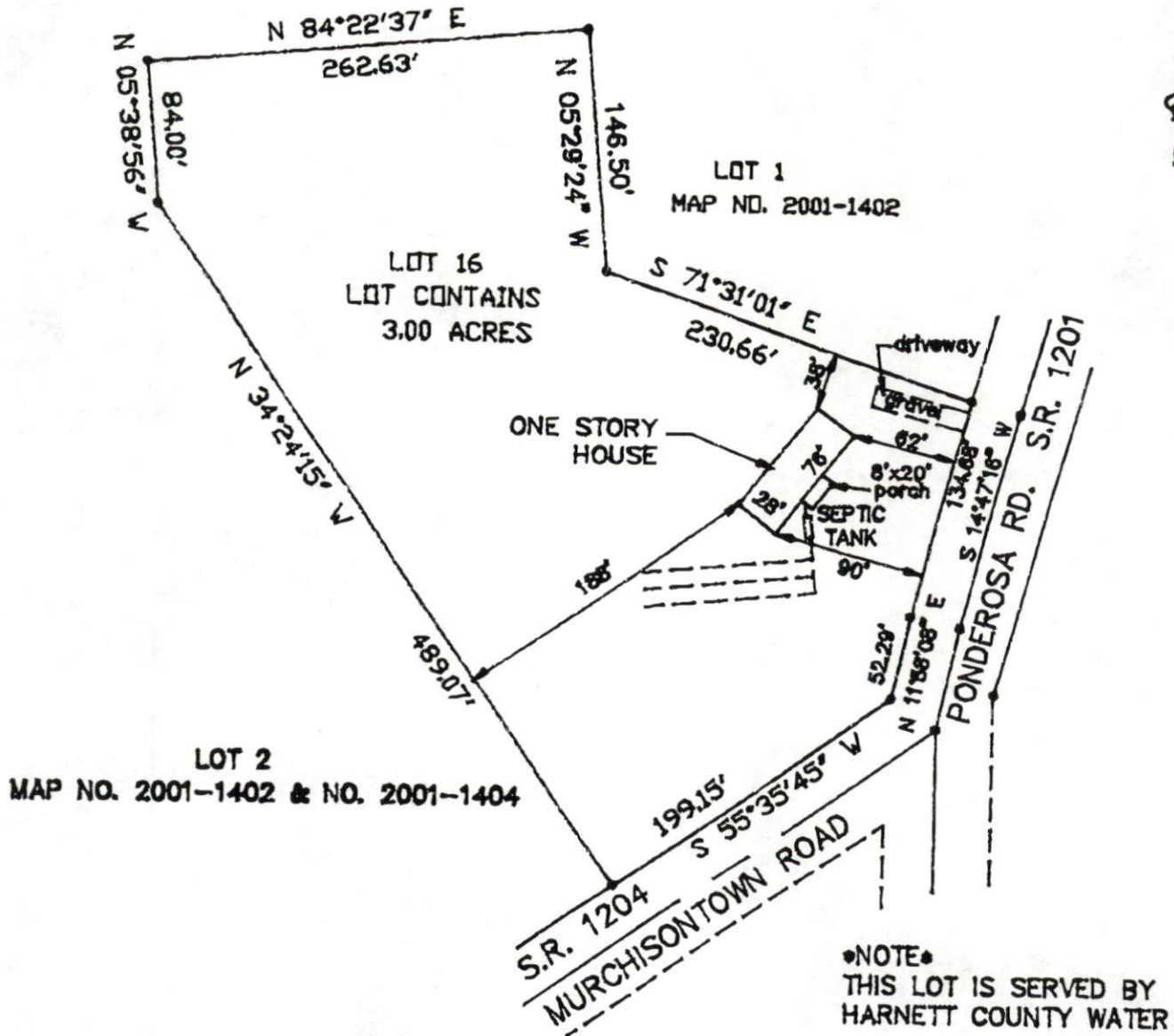
Sewage disposal system design for a three- bedroom modular home.

A small area approximately 70' X 50' of provisionally suitable soil was located along the front of the lot adjacent to Ponderosa Rd. Soil depths ranged from 30'' to 36'' of sandy loam to sandy clay loam soil. This area should support the initial sewage disposal system for a three bed- room house. A shallow placed chamber tech graveless system with maximum trench depth of 18'' is recommended for this site. With a flow rate of 360g/d and an LTAR of .5 g/ft<sup>2</sup> four lines of seven panels each should fit within this area. An interceptor drain may be needed on the up-slope side of the lot to control lateral water movement All ditches along the road and along the bottom side of lot should be cleaned out and properly maintained to control drainage conditions.

An area of provisionally suitable soil was located on the backside of the lot that should contain sufficient area for the installation and repair of a shallow placed conventional septic system for a three bedroom home. Soil depths ranged from 30'' to 36'' of sandy loam to sandy clay loam soil. A pump system would be needed to utilize this area at the present home location.

Report submitted by: *James Shackleton*  
James Shackleton  
ECS/Environmental Consulting Services

SCALE 1" = 100'



•NOTE•  
 THIS LOT IS SERVED BY  
 HARNETT COUNTY WATER

**SITE PLAN FOR:  
 LOT 16 , MORLEY FARM SUBDIVISION  
 JOHNSONVILLE TWP. - HARNETT CO. - N.C.**

MAP PREPARED BY:  
 LARRY K. ALLEN, P.L.S. 2454  
 4469 PONDEROSA ROAD  
 SANFORD, N.C. 27332 (919)721-0312

OCTOBER 29TH, 2002



**HOMES BY VANDERBILT**  
 3300 Jefferson Davis Highway  
 Sanford, NC 27330  
 (919) 774-6319

### FAX COVER SHEET

DATE: 4/21/03

TIME: \_\_\_\_\_

TO: JOE WEST

FAX NO: 893-9371

COMPANY: HARNETT CO.

FROM: LARRY ALLEN

PHONE NO.: 919-774-6319 OR 800-537-2448

FAX NO.: SALES OFFICE: 919-775-7612

ADMINISTRATION OFFICE: 919-775-3405

NUMBER OF PAGES SENT (Including Cover Sheet): 3

DESCRIPTION: RE: OLIVIA LOT

JOE,

THIS IS THE LAYOUT THAT JAMES  
GAVE ME IN DECEMBER. WHEN  
HE CAME BACK OUT LAST MONTH  
HE SAID WE COULD GET BY WITH  
A SIDEWINDER PANEL INFILTRATION  
SYSTEM WITH 4 - 43' LINES. WE  
LAI D IT OUT & PAINTED IT ON SITE.  
IF I CAN BE OF ANY ASSISTANCE  
OR IF YOU NEED ADDITIONAL INFO  
PLEASE LET ME KNOW. I REALLY NEED  
TO PROCEED WITH THIS HOUSE.  
THANK YOU FOR YOUR PATIENCE &  
ASSISTANCE ON THIS PROJECT.

LARRY ALLEN