

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

Owner: 07-500 17921

Applicant:

Address:

Date Evaluated: 7-10-07

Proposed Facility: SFA

Design Flow (.1949): 26

Property Size: 49 m

Location of Site: 1270

Property Recorded:

- Water Supply:  Public     Individual     Well     Spring     Other
- Evaluation Method:  Auger Boring     Pit     Cut
- Type of Wastewater:  Sewage     Industrial Process     Mixed

P R O F I L E #	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.)	1944 Saprot Class	1945 Root Horiz	
S 57		10-14	GA JL	VFA R					D  S     J    J  S
		14-24	SJK SCL	FR R					
		24-32	SJK JL	FL S					
		0-24	GA JL	VFA R					
		24-32	SJK SCL	FR R					
		0-20	GA JL	VFA R					
		20-30	SJK SCL	FR 12					
		0-18	GA JL	VFA R					
		18-30	SJK SCL	FR R					
		0-20	SJK SCL	FL S					
		0-24	GA JL	VFA S					
		24-32	SJK SCL	FR R					
		30-38	SJK SCL	FL S					
		0-24	GA JL	VFA R					
		24-32	SJK SCL	FR R					

Description	Initial System	Repair System
Available Space (.1945)	—	✓
System Type(s)	259	LAR
Site LTAR	(300) .2	(480) .15

Other Factors (.1946): \_\_\_\_\_

Site Classification (.1948): P1

Evaluated By: GW

Others Present: PL

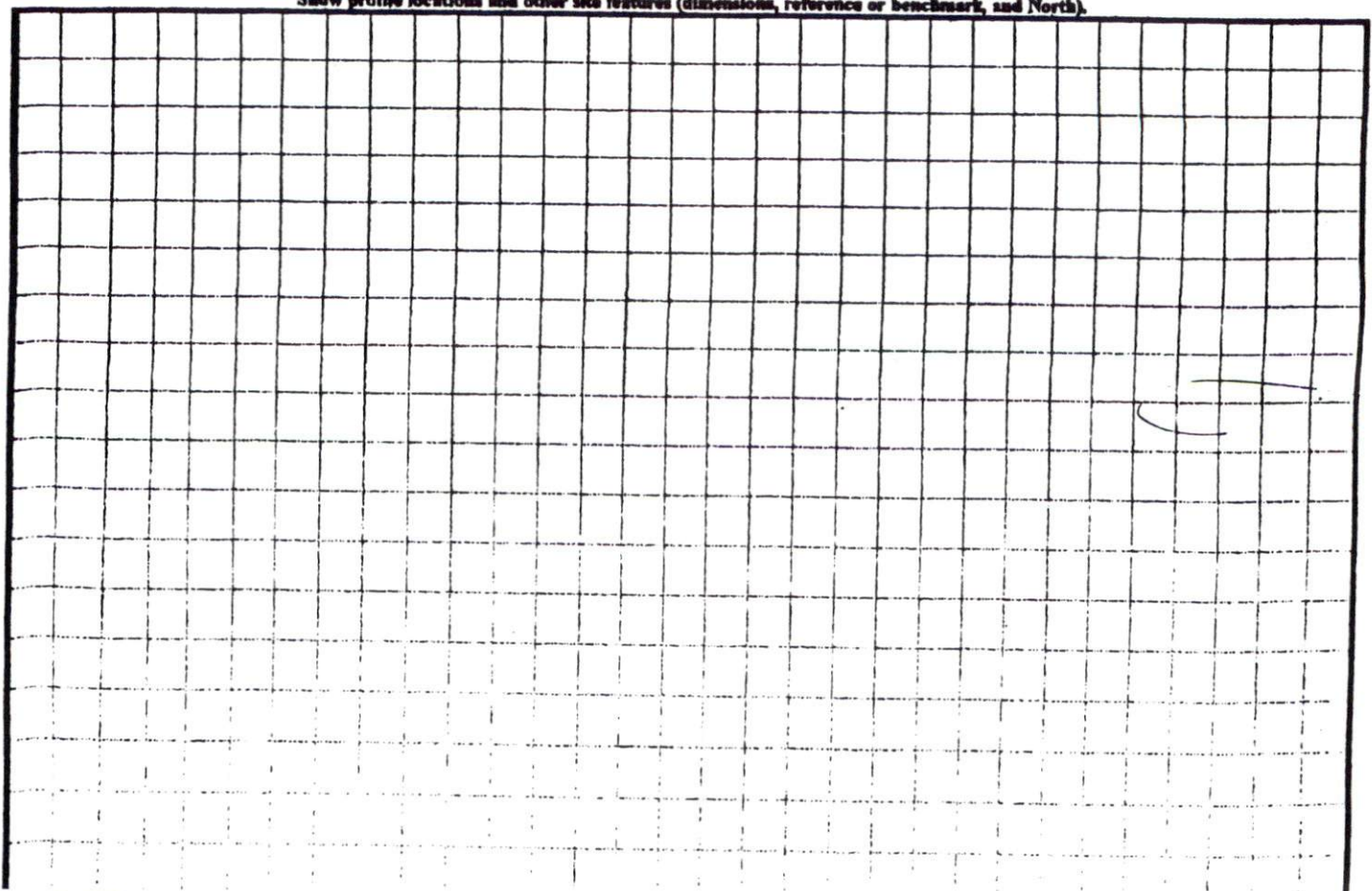
COMMENTS: \_\_\_\_\_  
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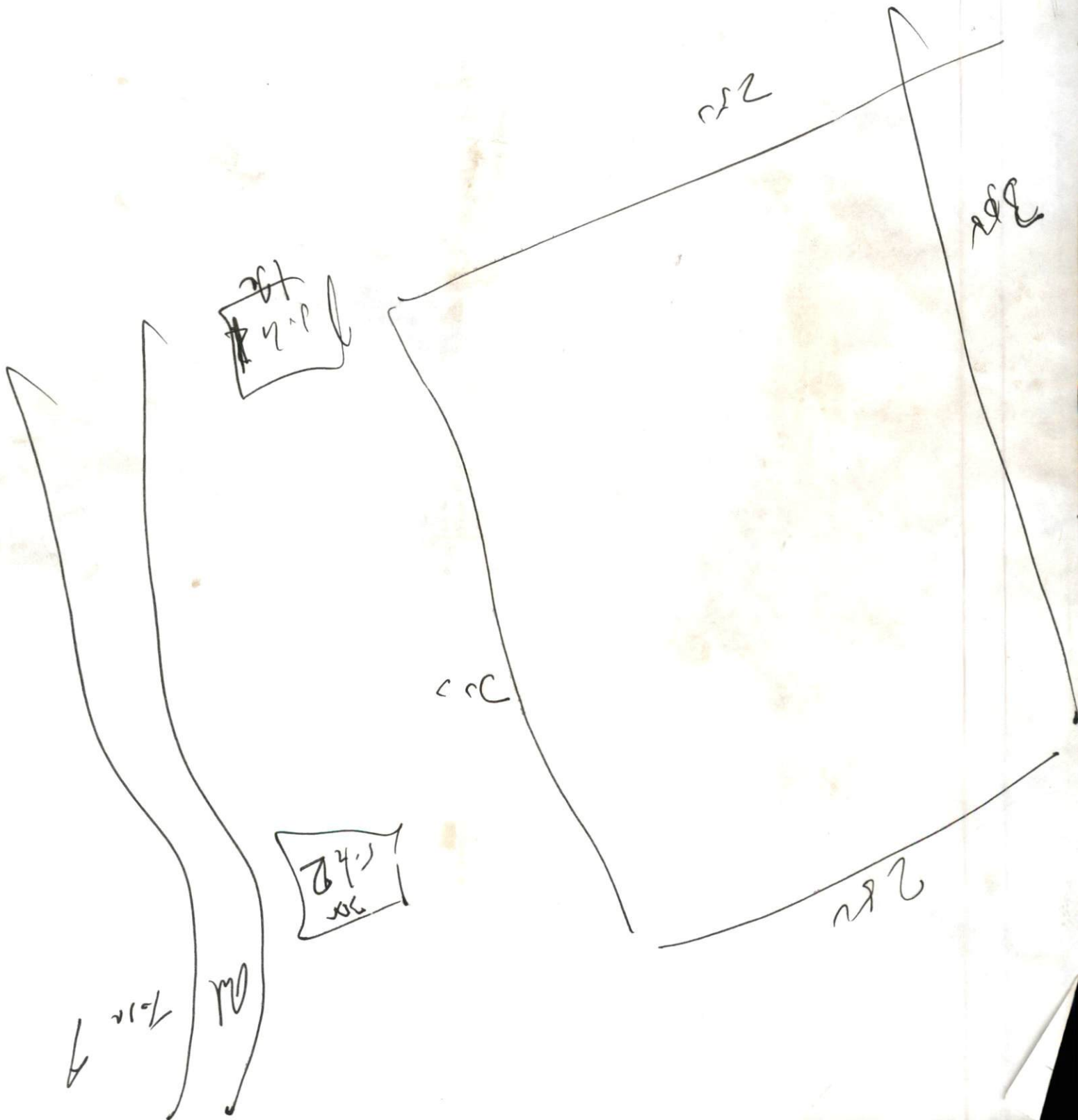
<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE		L-LOAM		FI-FIRM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





thence from said beginning corner with the East line of Tract #1 of the D. G. Harrington Estate South 10° West 1467 feet to a set iron stake with sweetgum pointers in the Annie Byrd Stevens line; thence with the Stevens line South 89° 45' East 1725.2 feet to the old Harrington line (now Blanche Johnson); thence North 5° 45' East along a found marked line with Blanche Johnson and continuing with W. D. Harrington Estate lands 1134.6 feet to a corner marked by found lightwood stake, found axle and found oak pointers; thence with Womack Estate lands North 77° West 1629 feet to the BEGINNING corner, containing 50 acres, more or less.

The foregoing 50 acre tract of land is a portion of lands conveyed to D. G. Harrington by Deeds recorded in Book 187, Page 598, Harnett County Registry and Lot #7 in Div. Book 202, Pages 523-526, Harnett County Registry.

For further reference, see Will of D. G. Harrington probated on the 30<sup>th</sup> day of June, 1971 devising all his land to Sion G. Harrington and Doyle O. Harrington.

EASEMENT: The foregoing Tract #3 has an easement across Tract #1 of the D. G. Harrington Estate to SR #1230 which easement is more particularly set out in Easement recorded in Book 593, Page 181, Harnett County Registry, said easement running with this tract of land is more particularly described as follows:

Being an easement between SR #1230, across Tract #1 of the D. G. Harrington Estate (Sion G. Harrington's share) to Tract #3 of said estate (Doyle Harrington's share) and more particularly described by the following call along the southern margin of said easement and being an easement 30 feet in width and bounded on the South by the southern boundary of Tract #1 and the southern boundary line being more particularly described as follows:

BEGINNING at a corner with Annie Byrd Stevens, also a corner with Tract #1 of D. G. Harrington Estate and runs South 89° 45' East with Tract #1 and said Stevens land 1442.4 feet to a set iron stake with sweetgum pointers, a corner with Tract #3 of the D. G. Harrington Estate, Tract #1 of the D. G. Harrington Estate and in the line of the Annie Byrd Stevens tract, said easement being 30 feet in width and bounded on the South by the foregoing call and extending in length from said SR #1230 across Tract #1 of the D. G. Harrington Estate to the western boundary of Tract #3 of the D. G. Harrington Estate. Being all that certain tract or parcel of land containing 0.14 of an acre, more or less, shown on that certain map recorded as Map #2007-220, Harnett County Registry, reference to which is incorporated herein and made a part hereof.

The property hereinabove described was acquired by Grantors by instrument recorded in Book 593, Page 183.

A map showing the above described property is recorded as N/A.

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.

Title to the property hereinabove described is subject to the following exceptions:

# Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321  
Fayetteville, NC 28311  
Phone/Fax (910) 822-4540  
Email meaker3851@aol.com

May 30, 2007

Mr. James D. Sutherland  
PO Box 3106  
Sanford, N.C. 27331

Re: Soil/site evaluation for subsurface waste disposal, portion of 49.85 acre tract,  
Harrington Road, Harnett County, North Carolina

Dear Mr. Sutherland,

A soil/site evaluation has been conducted on a portion of the aforementioned property. The purpose of the investigation was to determine if soils were acceptable for 3 subsurface waste disposal systems to serve 2 proposed single family residences (up to 3 bedrooms each) and a water closet for a swimming pool area. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

At least one site was located on the tract (to serve these 3 systems) containing soils that have provisionally suitable properties exceeding 30 inches. The site essentially lies on a ridge and linear slope (0 - 4%) landscape. Soil borings conducted in most of this area consisted of 6 or more inches of loamy sand underlain by sandy loam and/or sandy clay loam extending to 30 or more inches. Soil wetness and/or saprolite was typically observed greater than 30 inches below the soil surface. All other soil characteristics were either suitable or provisionally suitable to at least 30 inches.

Based on soil borings and site conditions, the site would be designated provisionally suitable for up to 3 subsurface waste disposal systems (may require the use of off-site easements, pumps, innovative drain line, LPP, pretreatment, fill, etc.). The site contains enough provisionally suitable area, as required, to allow for subsurface repairs. A map showing the approximate location of the site accompanies this report (blue flags in the field are a more accurate representation of the site location).

This report, of course, does not guarantee, constitute or imply that a permit will be issued by the Harnett County Health Department. Because differences of professional opinion can occur, a prospective buyer should obtain an improvement permit from the Harnett County Health Department (for their intended use) prior to making any financial commitments or obligations. This is the only "guarantee" of a site's suitability.

This report 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

