

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

Owner:                      Applicant:

Address:                      Date Evaluated: 5-17-12-11

Proposed Facility: SFD                      Design Flow (.1949): 760

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

Property Size:

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.)	.1936 Sapro Class	.1944 Restr Horiz.	
1	L-27%	0-8	SL	fm G.C.N.S.P.					
		8-36	SC-clay	fm G.C.N.S.P.	26-28	7.5% 42			.35
2	L-28%	0-5	SL	fm G.C.N.S.P.					
		5-32	SC-clay	fm G.C.N.S.P.	26"	7.5% 42			.35
3	L-3%	0-8	SL	fm G.C.N.S.P.					
		8-40	SC-cl	fm G.C.N.S.P.	36	7.5% 42			.3
4	L-3%	0-5	SL	fm G.C.N.S.P.					
		5-32	SC-clay	fm G.C.N.S.P.	28"	7.5% 42			.25
5	L-3%	0-5	SL	fm G.C.N.S.P.					
		5-4	Glycol	fm G.C.N.S.P.					.2-2.1
6	L-3%	0-5	SL	fm G.C.N.S.P.					
		5-4	Glycol	fm G.C.N.S.P.					
7	L-3%	0-8	SL	fm G.C.N.S.P.					
		8-40	SC-clay	fm G.C.N.S.P.	36"	7.5% 42			.3

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): Evaluated By:  Others Present:
Available Space (.1943)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
System Type(s)	25%	25%	
Site LTAR	.3	.3 → .25	

Neal C. Floyd & Associates, Inc.

Lambert Surveying, Inc.  
509 N. Lincoln Street  
Benson, NC 27504

2/24/2011

RE: Windy Bryant Property  
1.21 ac SR1720

Dear Ms. Bryant,

I have conducted a site and soil evaluation of the 1.200. lot on SR1720 to determine its onsite suitability. The site/lot is provisionally suitable for a 3 bedroom conventional system and 100% repair. An enclosed soils map details the useable areas as defined by Laws and Rules for Sewage Treatment and Disposal Systems 15A-NCAC 18A.1900. The soil is characterized as having a 10 to 18 inch sandy loam (Ap) surface underlain by a sandy clay loam Bt. The Bt has a weak, fine to medium, subangular blocky structure to a depth of 30 to 36 inches. Area 1 has  $\geq 30$  inch depth to redox or the SHWT while Area 2 has  $\geq 24$  inch depth to SHWT. The overall LTAR for the site is 0.55 gal/ft<sup>2</sup>.

Based on the soil location and subsequent proper site plan an effluent pump (pumped conventional) may be required. Area 2 may require a 6" cap ("at grade conventional") system. Enclosed is a proposed site plan that maximizes the soil resources on the lot and provides the best option for approval of a pumped conventional system for a 3 bedroom (3 bedroom) system.

If you have any questions please contact me.

Sincerely,  
Neal Floyd  
Neal Floyd

6621 Arbor Grande Way / Raleigh, North Carolina 27612 / 919 433 6745



