DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: Pete Woods APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 8-5-05
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: .334 ac
LOCATION OF SITE: Fernhaven PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	sideslope 20%	0-26	1-2 sbk scl						.3+
		26-36	cl +sap						
		36-48	1sbk sap l/s						
			or cl+sap because has some structure						
2		0-33	1 sbk l	VCr					
		33-48	1 gr s/ sap?						
3		0-15	1 sbk cl	fr ss/sps					
		15-35	1sbk s/sap?						
		35-48	1sbk loamsap?						
4		0-19	1 sbk l	vfr					
		19-36	l +sap						
		36-	micaceous sap						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Judy Melville
OTHER(S) PRESENT: _____

COMMENTS: large quantities of mica in soil
Need pits to evaluate saprolite for panel block

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Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Pete Woods
ADDRESS: Fernhaven
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: Perth Rd N TL Fern Hill TR Fernhaven on left in cul-de-sac
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE _____
DATE EVALUATED: 11-7-05
PROPERTY SIZE: _____
PROPERTY RECORDED: _____
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	20% linear Depths uphill side of slope	0-13	1/2 sbk cl	ss/sp se	mica but feels like loam	52+			PS .4
		13-30	1 sbk cl+sap						
		30-52	1/sl sap	ns/np					
			may be sl because of						
			high	mica content					
2	20% linear top proposed trench line Depths uphill side of slope	0-18	1/2 sbk cl	fr ss/sp se		52+			PS .4
		18-33	1/cl+sap						
		33-52	1/sl sap						
			Inclusions	of cl + coarse sl sap					
				at 38"					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	yes	yes
System Type(s)	LP panel	LP panel
Site LTAR	.4	.4

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Judy Melville
OTHER(S) PRESENT: Wayne Clontz

COMMENTS: _____

If well on property, septic can only be on one side of house.

system

- Drain Lines 10' from house 5' from PL
- Supply lines 8' from house
- Tanks 5' from house

391.9 panels

- abandon existing drainfield
- cvb 5' from deck

FIRM INFORMATION:
COMM. PANEL #: 370313-150C
EFFECT. DATE: 6-22-98
FFE: 778.32
ZONE: "X"

FERN HAVEN LANE 60' R/W

R/W

CHORD: N 64°45' 19" E 42.94'

#3 REBAR

R=50.00'

A=44.39'

S 83°20' 00" E 111.92'

24.85'

New Drive

12.8'

New Drive dearpark

CONCRETE DRIVE

DECK

1 STORY FRAME W/ BASEMENT FFE: 778.32'

cvb

8'

DECK

ABOVE GRD. PATIO BELOW

Bedroom

Basement Area

New well 25' from building foundation

PRIVACY FENCE ENCROACHES 1.42'.

BLDG Remove

ROCK PATIO

NEW #4 REBAR

1" PIPE

S 81°22' 59" E 119.55'

TIE TO 1/2" PIPE

HAROLD A. SMITH
367/501

TL: N 02°25' 00" E 71.70'

56.70'

1@39

54.51'

34'

34'

34'

30'

40.70'

S 06°38' 00" W 115.59'

NOTE: .08 AC TRACT IS NOT COVERED IN DEED BOOK 684, PAGE 759

0.339 AC. +/-

1/2" PIPE

DEED LINE
N 74°50' 00" W 144.72'

50' setback

N 02°25' 00" E 38.39'

0.08 AC. EXISTING 760' CONTOUR

AREA BETWEEN DEED LINE AND

N 83°05' 51" W 41.63'

S 75°09' 21" W 21.11'

N 75°00' 22" W 79.87'

S 06°38' 00" W 20.89'

NEW #4 REBAR

LAKE NORMAN

APPROX. 760' CONTOUR

R.A. LOWERY III
815/531

PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS OF WAY OR EASEMENTS NOT OBSERVED.

30 0 30 60 90
GRAPHIC SCALE - FEET

DEDMON SURVEYS

DB:684/759 NORTH

DEDMON N E S W SURVEYS

PHYSICAL SURVEY FOR

JAMES W. WOODS III & PATRICIA K. WOODS

159 FERN HAVEN LN.
MOORESVILLE, N.C. 28117

JUNE 28, 2002	DB: 684	PG: 759
SCALE: 1" = 30'	DB:	PG:
	PB:	PG:

DAVIDSON TOWNSHIP
IREDELL COUNTY, NORTH CAROLINA

RONNIE DEDMON SURVEYORS - P.A.

RONNIE DEDMON, PLS #1222
CHUCK POOVEY, PLS #3762
ROBERT DEDMON, PLS #3899
PHILLIP HARRIS, PLS #4164
4837 NC HIGHWAY #16 NORTH
P.O. BOX 494 - DENVER, N.C. 28037
PHONE: (704)-483-4908
FAX: (704)-483-2170

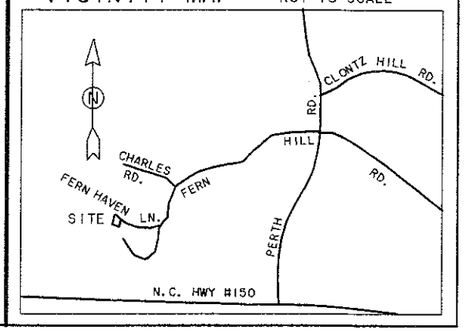
NORTH CAROLINA PROFESSIONAL SEAL L-3899 LAND SURVEYOR ROBERT J. DEDMON

"I CERTIFY THIS PLAT WAS DRAWN FROM AN ACTUAL SURVEY AND IS CORRECT AND TRUE TO THE BEST OF MY KNOWLEDGE."

Robert J. Dedmon 3899
PROFESSIONAL LAND SURVEYOR LICENSE NO.

SURV. BY: SF	DRAWN BY: SF	JOB: H3CULL

VICINITY MAP NOT TO SCALE



M-8040