Division of Environmental Health
On-site Wastewater Section

Property ID:
Lot #:
File #
Code:

SOIL/SITE EV ATION
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

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY (.1941): .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS: .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr. Horiz	Profile Class & LTAR
1	L 3%	0-30	LS	Gr Gr NSNP					
		30-48	SCL	SLFR 1 SBL SS,P	42" 7.5YR 4/2	48	–	–	.4
2	L 3%	0-30	LS	Gr Gr NSNP					
		30-48	SCL	SLFR 1 SBL SS,P	42 7.5YR 4/	48	–	–	.4

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	modified 25%	mod 25%
Site LTAR	.4	.4

Other Factors (.1946):

Site Classification (.1948):

Evaluated By: [signature]

Others Present:

COMMENTS:

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		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			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		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

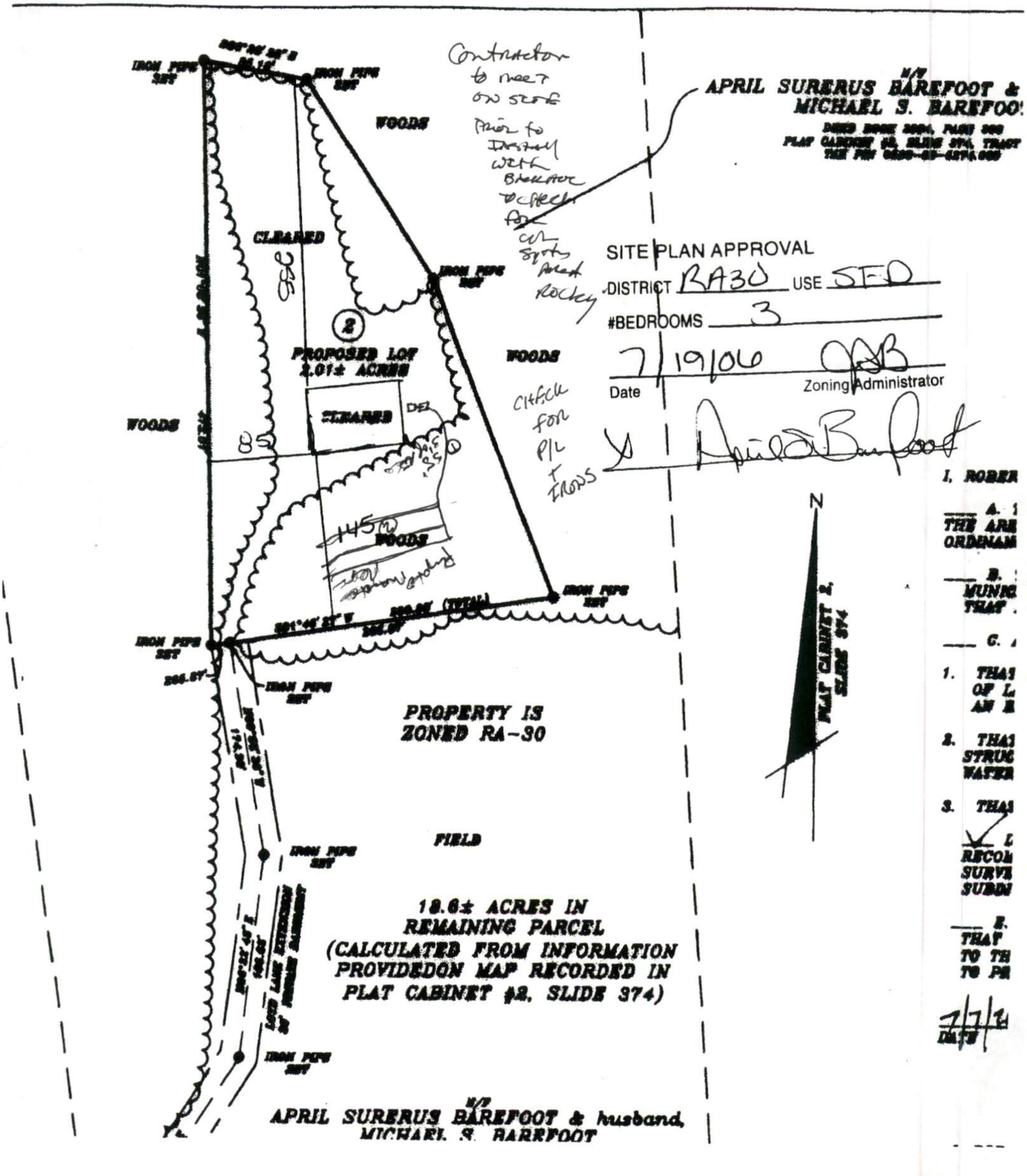
MINERALOGY
SLIGHTLY EXPANSIVE

EXPANSIVE

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

3×7.11= 21.33+2= 23.33 ~ 23gpm

TDH = PH+FH+EH
PH=2
EH= 3'+6'=9'
FH= .55× 1.27= .6985×1.2= .8' ~1'
TDH= 12'



APRIL SURERUS BAREFOOT & MICHAEL S. BAREFOO
N/F
IRON PIPE SET
WOODS
CLEARED
PROPOSED LOT 2.01± ACRES
2
CLEARED
WOODS
FIELD
PROPERTY IS ZONED RA-30
18.6± ACRES IN REMAINING PARCEL (CALCULATED FROM INFORMATION PROVIDEDON MAP RECORDED IN PLAT CABINET #2, SLIDE 374)
PLAT CABINET 2, SLIDE 374
N
APRIL SURERUS BAREFOOT & husband, MICHAEL S. BAREFOOT
SITE PLAN APPROVAL
DISTRICT RA30 USE SFD
#BEDROOMS 3
7/19/06
Date
Zoning Administrator
Contractor to meet on site prior to install with backhoe to check for ... spots area rocky
check for P/L + irons

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, 266 Old Coats Road
Lillington, NC 27546-0400
Phone (910) 893-8743 / Fax (910) 893-3594
E-mail: halowen@earthlink.net

14 June, 2006

Mr. Robbie Johnson
RLJ & Associates, Inc.
1185 Aquilla Road
Benson, NC 27504

Reference: Soil Investigation
April Barefoot & Michael Barefoot Property – 2.01 Acres

Dear Mr. Johnson,

A site investigation has been conducted for the above referenced property, located on an easement road (Loyd Lane) on the northern side of Brickmill Road (SR 2005), Grove Township, Harnett County, North Carolina. The purpose of the investigation was to determine the property's ability to support a subsurface sewage waste disposal system and 100% repair area for a typical three-bedroom home. All ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". It is our understanding that individual septic systems and public water supplies will be utilized at this site.

A portion of this lot was investigated and found to contain ample amounts of provisionally suitable soils for subsurface sewage waste disposal needs of a three-bedroom home. These provisionally suitable soils were typically observed in the front of the lot and determined to be a mixture of friable sandy loams and friable sandy clay loams to greater than 36 inches and appear adequate to support long term acceptance rates of 0.4 to 0.6 gal/day/sqft. It appears that the soils on this lot are adequate to support a conventional septic system and repair area for at least one residence.

This soil investigation report and map, when provided to the Harnett County Health Department, should allow them to sign the maps for recordation. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

LICENSED SOIL SCIENTIST
HAL OWEN
1102
STATE OF NORTH CAROLINA

Sincerely,

Hal Owen
Licensed Soil Scientist