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

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

Lot 56

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ 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	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 10%	0-6	w, gr SL	Fr	NA	48"	sandy	none	P.S. 0.3
		6-35	m, sbk, cl	Fr					
		35-48	m, sbk, cl ESSP	Fr					
2	TS 14% +2%	0-11	w, sbk scl	Fr	NA	48"	sandy	none	P.S. 0.3
		11-48	m, sbk cl ESSP	Fr					
3	14% full of water					34"	scl	34"	P.S. 0.25
4	L 14% +2%	0-12	w, gr, sl	Fr	NA	48"	sandy	none	P.S. 0.3
		12-32	m, sbk, scl	Fr					
		32-48	m, sbk, scl ESSP						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	P.S.	P.S.
System Type(s)	II	II
Site LTAR	0.25	0.25

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

COMMENTS: _____

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15	**MOIST**	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

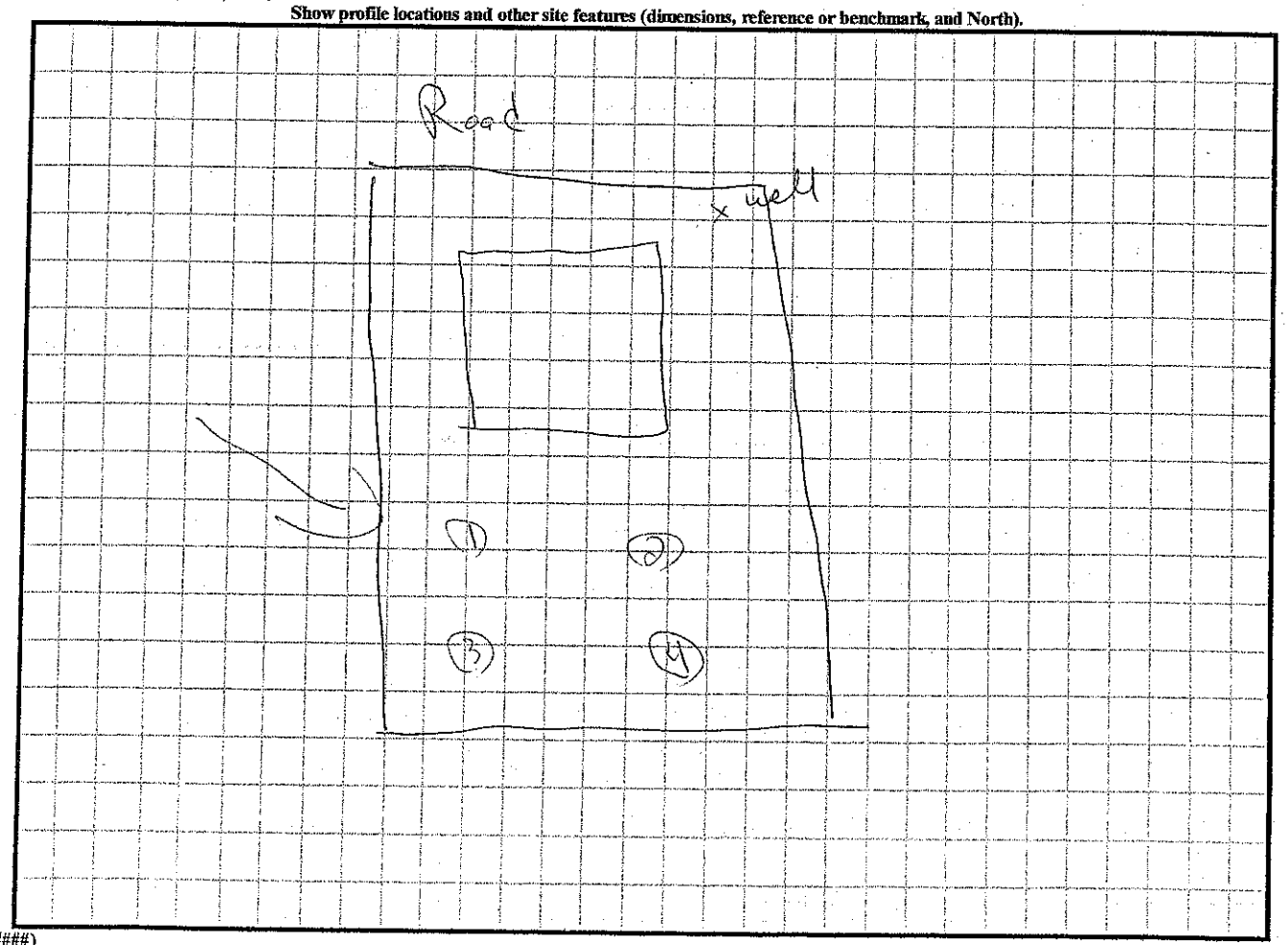
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



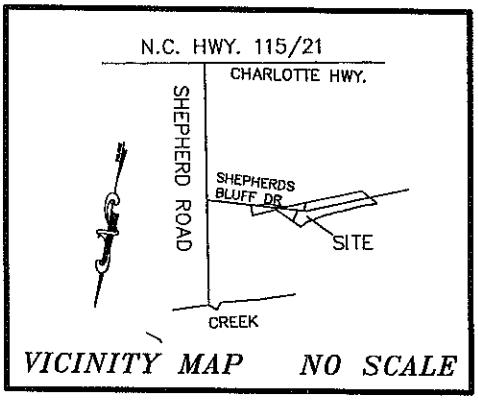
DENR (######)
Review (#####)

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"Since 1971"
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Construction Staking * Subdivision Design * Topographical
111-B Raceway Drive * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 1639, page 1874, and/or plat book 50, page 18, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 4TH, day of NOVEMBER, A.D. 20 08.

WILLIAM M. ALLEN, P.L.S.

NORTH CAROLINA PROFESSIONAL SEAL L3499 LAND SURVEYOR WILLIAM M. ALLEN



VICINITY MAP NO SCALE

* ALL SEPTIC LINES ARE 9' ON CENTER OR LARGER

LOT 38

LOT 39

S74°36'09"E
100.00

673.4 LF

O= 34 LF ELEV 811.7
R= 67.7 LF ELEV 812.8
R= 93 LF ELEV 815.3
P= 94.2 LF ELEV 816.5
O= 99.4 LF ELEV 818.9
R= 102.5 ELEV 818.9
R= 82.5 LF ELEV 820.6
P= 63.1 LF ELEV 822.4
O= 37 LF ELEV 824.6

10.0

S15°23'51"W
200.00

S15°23'51"W
200.00

10.0

10.0

LOT 57

LOT 55

60.00
BLDG ELEV 817.34
BLDG ELEV 824.86
PROPOSED HOUSE BOX
50.00
BLDG ELEV 820.74
BLDG ELEV 826.60

100.0 RADIUS TO WELL

20.0

20.0

35' SETBACK

TOP OF PIPE ELEVATION 825.85

40.0

LOT 56
0.46 AC.

DRIVE

R/W

S74°36'09"E
100.00

SHEPHERD'S BLUFF DRIVE
50' PUBLIC R/W

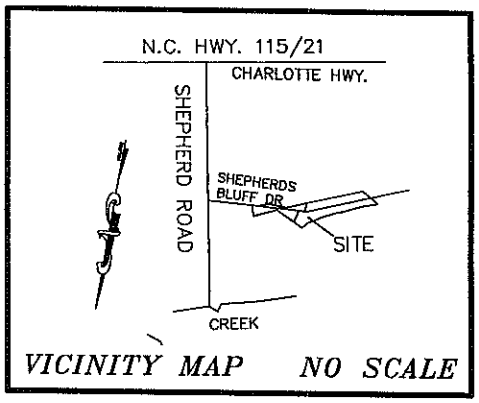
R/W

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