DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM 3774-64-0937

OWNER: JENNIFER HAMLIN
ADDRESS: 9512 CHAROLAIS LANE, CHARLOTTE NC 28213
PROPOSED FACILITY: 4 BR HOUSE PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: RIVERWALK I LOT 6
WATER SUPPLY: • Private • Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring • Pit • Cut

APPLICATION DATE 8-9-07
DATE EVALUATED: 8-9-07
PROPERTY SIZE: 1.0506 ACRES
PROPERTY RECORDED:
TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	SLIGHT N 10%	0-18	SBK C	FR SSSP					PS 0.3
		18-26	SBK GRAVELLY SC	FR SSSP					
		26-50	WSBK CL	FR SSSP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	IV
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): NONE.
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HEDRICK
OTHER(S) PRESENT: TIM ABEE, MADISON CAVINESS, ETAL

COMMENTS: HOUSE LOCATION NOT IN COMPLIANCE W/ ORIGNAL PERMIT.
PIT EVALUATION CONDUCTED TO INSURE NO SAPROLITE W/IN 50' RADIUS OF WELL

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very 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.

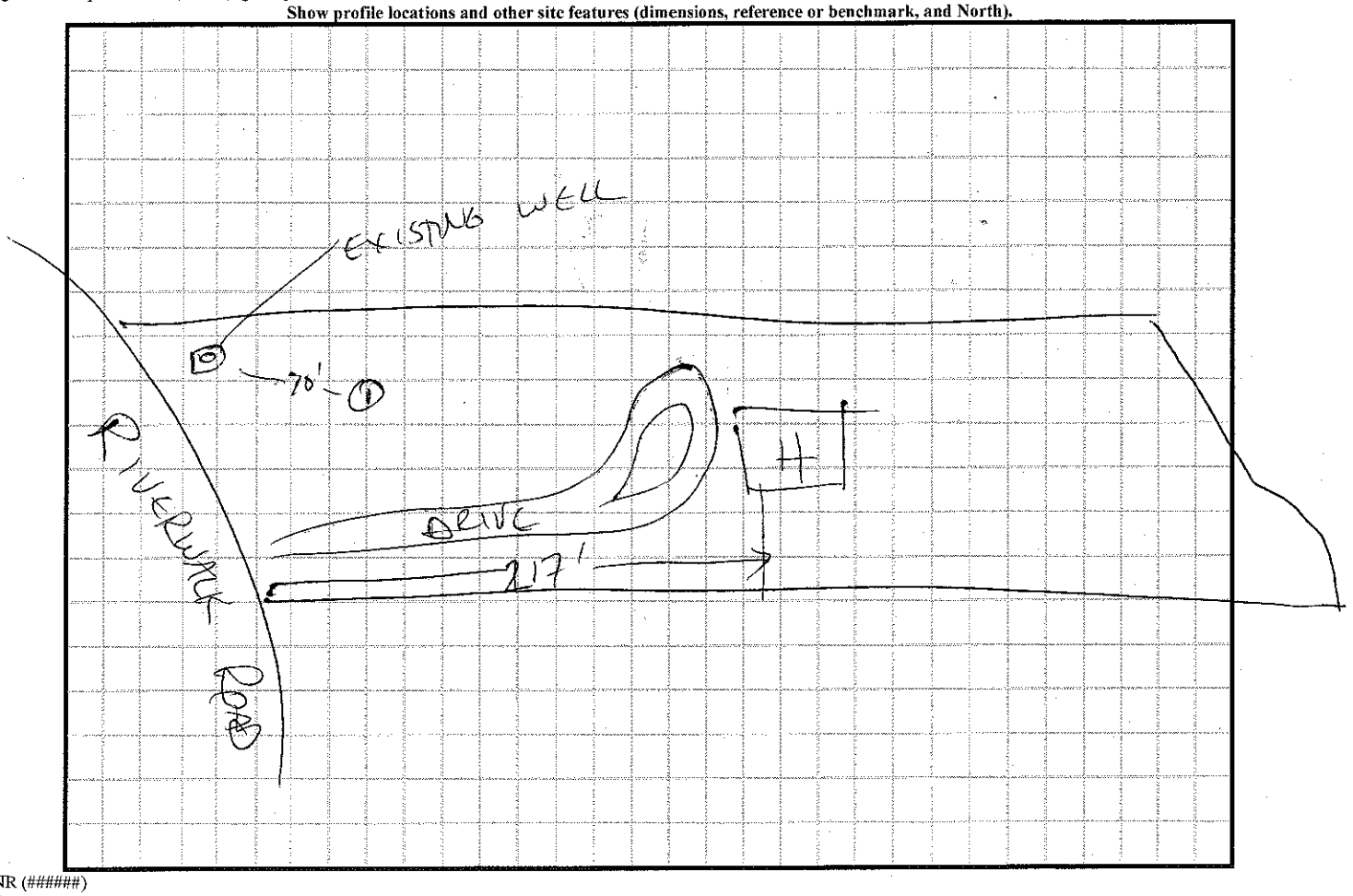
NOTES

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 (#####)

DEPARTMENT OF ENVIRONMENT,
HEALTH & NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

DRAFT

PROPERTY I.D.#: 8R-A-1 (PART OF)
DATE:
COUNTY: IREDELL

SOIL SITE EVALUATION FOR
ON-SITE WASTEWATER SYSTEM

APPLICANT: KEJ MARKETING
OWNER__ AGENT: ✓ PHONE: (704) 847-6006
ADDRESS: PO BOX 1627
MATTHEWS, NC 28106
APPLICATION DATE: 11/ DATE EVALUATED
PROPOSED FACILITY: 4BR House w/ BASEMENT
PROPERTY SIZE: 1.0506 ACRE
LOCATION OF SITE: RIVERWALK SECTION I LOT #6
WATER SUPPLY: On-site Well ✓ Comm. Well__ Public__ Other__ EVAL. METHOD: Auger Boring ✓ Pit ✓ Cut__

PROFILE #	.1940 LANDSCP POS./ SLOPE(%)	HORIZON DEPTH (IN.)	.1941 (a)(1) TEXTURE	.1941 (a)(2) STRUCTURE	.1941 (a)(3) MINERALOGY	MATRIX COLOR	MOTTLE COLOR	OTHER PROFILE FACTORS
1	L	0-30	C	SBK	1:1/FI/SP			.1942 Wetness Cond. S
	24%	30-36	C	WSBK	1:1/FI/SP			.1943 Depth/.1956 Sapr. PS
		36-48	SANDY	SAPROLITE				.1944 Restrictive Hori. S
								.1948 Profile Class. PS
								Profile LTAR 0.30 GPD/FT²
2	L	0-28	C	SBK	1:1/FI/SP			.1942 Wetness Cond. S
	20%	28-38	SC	WSBK	1:1/FI/SP			.1943 Depth/.1956 Sapr. PS
		38-48	SANDY	SAPROLITE				.1944 Restrictive Hori. S
								.1948 Profile Class. PS
								Profile LTAR 0.3
3								.1942 Wetness Cond. -
								.1943 Depth/.1956 Sapr. -
								.1944 Restrictive Hori. -
								.1948 Profile Class. -
								Profile LTAR -
4								.1942 Wetness Cond. -
								.1943 Depth/.1956 Sapr. -
								.1944 Restrictive Hori. -
								.1948 Profile Class. -
								Profile LTAR -

AVAILABLE SPACE (.1945) S OTHER FACTORS (.1946) PS SITE CLASSIFICATION (.1948) ~~0.3~~ PS

SYSTEM TYPE CONVENTIONAL, PUMPED LONG-TERM ACCEPTANCE RATE(S) 0.3 GPD/FT²

EVALUATED BY: STEVE HEDRICK OTHER(S) PRESENT: TIM WHITAKER / (704) 866-9540
RANDY ALLEN

COMMENTS: