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

PAGE 1

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

SOIL SHEETS FOR LOTS 10, 14, 15

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: EXPRESS STONE HOMES
ADDRESS: 1012 CHARLOTTE HWY FAIRVIEW, NC 28730
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____
LOCATION OF SITE: BUFFALO ACRES

APPLICATION DATE 11-9-04
DATE EVALUATED: 12-4-04
PROPERTY SIZE: _____
PROPERTY RECORDED: _____

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☑ Other COMMUNITY
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	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	40% L	0-8"	scl wk cr	fr ss sp sl sticky	0-10" FILL	? LAYERED			US
		8-30	cl yellow/grey stains from 2 at 30"						
		30-50	(coma)	sticky lm cl clay fi sp sl					
2	40% L	SAME AS HOLE 1							US
3	40% L	0-6	scl wk gr	fr ss sp sl					PS .3
		6-55	cl mod sbk	fi s p sl sp					
			mica flakes						
4		0-6	scl wk gr	fr ss sp sl sp					PS .35
		6-24	cl mod sbk	fi s p sl sp					
		24-60"	scl wk gr	fr ss sp sl sp					
HOLES 5 + 6		SEE BACK *							

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): 10 PS / 14 PS / 15 PS
EVALUATED BY: EXP. HOMES / CRAIG THOMPSON
OTHER(S) PRESENT: L. CODY

COMMENTS:

LOT 10 .3
E) LOW SOIL PD (R) LP SOIL PD .3

LOT 14 .3 .25
(E) PUMP SOIL PD (R) LP SOIL PD

LOT 15 .3 .3
(E) PUMP SOIL PD (R) LP SOIL

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/ft²

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

PS .25

(5) 0-6" scl wk gr fr ns np mvcp
6-24" c mod sbk fi s p stcp yl(ow)/brown mottles mixed with relic scp inclusions c
24-60" sc wk gr fi ss sp stcp scp inclusions c .25 PS = REPAIR
THIS PIT DUG ON REPAIR LINE AT EWD

PS 3

(6) 0-6 scl wk gr fr ns np mvcp
6-48" c mod sbk fi s p stcp
48-60" sc / scp inclusions >50% fr ss sp stcp PS .3

LOT 10

PS .3

(7) 0-6 scl wk gr fr ns np mvcp
6-24 c mod sbk fi s p stcp
24-60" sc/scp mix fr ss sp stcp
scp >50%
well for neighbors >100'

PS .3

(8) 0-6 scl wk gr fr ns np mvcp
6-48' c mod sbk fi s p stcp micaflakes

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

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PAGE 2

Sheet ___ of ___
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SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: _____
LOCATION OF SITE: LOTS 10/14/15 OFF SITES/ETC... 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	6% L	0-12" 12-60"	scl/sl POCKETS ALLUVIAL DEPOSITS yellow c med sbk	fis psclp	grey color - chroma 2 mixed chroma 2e 18" H2O Infiltration Into Pit				US
2	8% L	0-24" 24-48"	cl/scl mix yellow/grey mix c med sbk	chroma 2 fss sp sclp fis p sclp H2O infiltration into pit	chroma 2	> 50%	of profile		US
3	40% L	0-18" 18"-48"	scl fill c med sbk chroma 2 & red clay tige	fis p sclp	chroma 2 stripes	18"+ look	> mixed		US
4					OFF SITE NEXT OPTION				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
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SITE CLASSIFICATION (.1948): _____
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OTHER(S) PRESENT: _____

COMMENTS: _____

LEGEND

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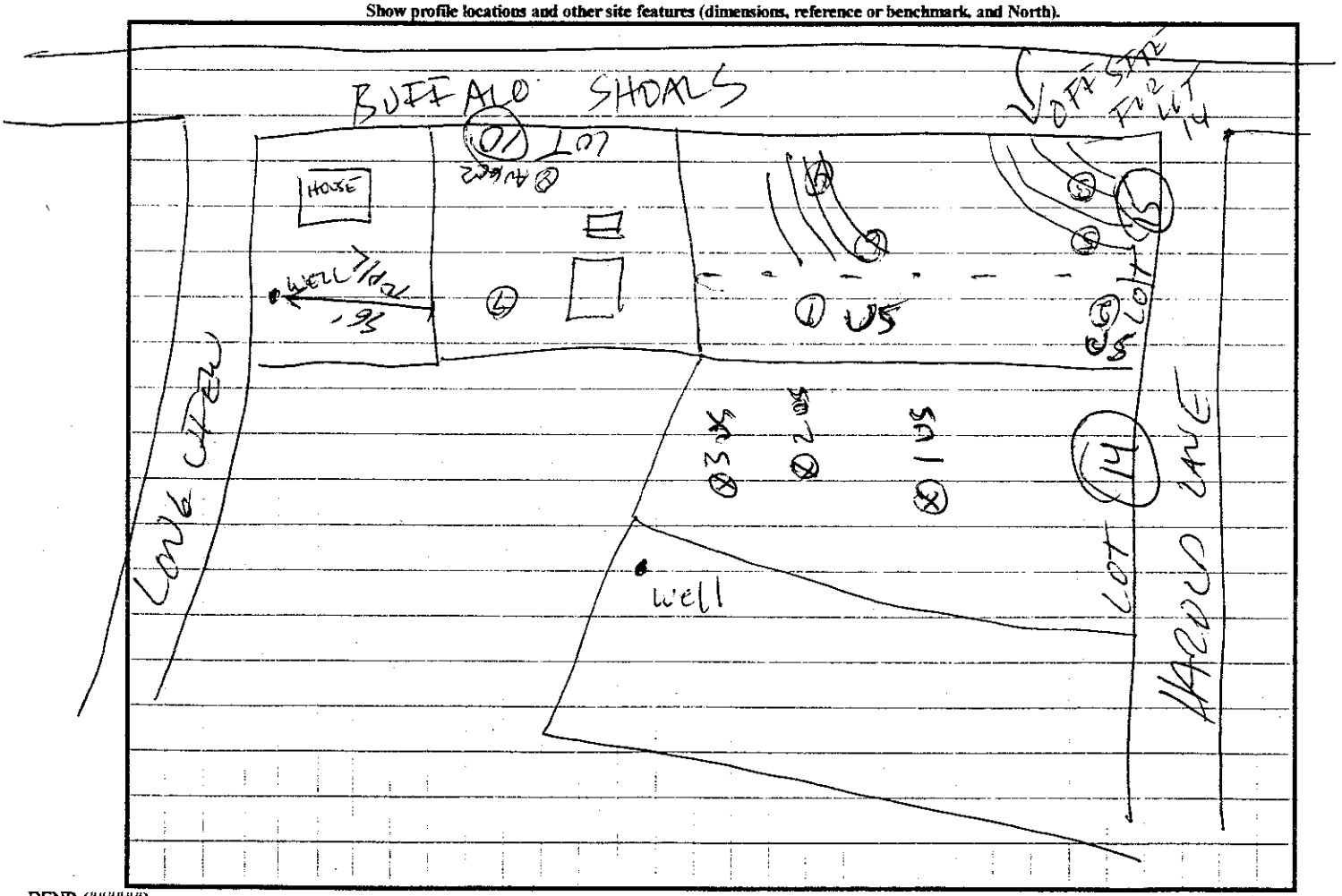
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DENR (######)
Review (#####)

SYSTEMS SHUT IN + PLUGGED. THEN PITS WERE PUB