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 STON HOMES
ADDRESS: 1042 CHARLOTTE Hwy FAIRMAN, NC 28136
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____
LOCATION OF SITE: BUFFALO ACRES

APPLICATION DATE 11-9-04
DATE EVALUATED: 12-9-04
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
LOT 15 1	4% L	0-8"	scl wk gr	fss sp sep	0-30"	FILL ? LAYERED			US
		8-20	cl yellow/grey stks	chroma 2 at 30"					
		20-50	chroma 2	stks hard clay fi sp sep					
LOT 15 2	4% L	SAME AS HOLE 1							US
LOT 15 3	4% L	0-6	scl wk gr	fr sp sep					PS .3
		6-55	cmscl sbk	fi sp sep					
			mica flakes						
LOT 15 4		0-6	scl wk gr	fr sp sep					PS .35
		6-24	cmscl sbk	fi sp sep					
		24-60"	scl wk gr	fss sp sep					
HOLES 5		6 TO 7	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: LLOYD

COMMENTS:
LOT 10 .3
① 60% 50% RED Ⓔ LP 50% RED .3 / LOT 14 .3 ① PUMP 50% RED Ⓔ LP 50% RED .25 / LOT 15 .3 ① PUMP 50% RED Ⓔ LP 50% RED .3

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).

PS .25

(5) 0-6" sl wk gr fr ns np rep
6-24" c med sbk fi s p sep yellow/brown mottles mixed with relic sap inclusions c
24-60" sl wk gr fi ss sp sep
sap inclusions .25 PS
THIS PIT DUG ON REPATZ LINE AT END

PS .3

(6) 0-6 sl wk gr fr ns np rep
6-48" c med sbk fi s p sep
48-60" sl / sap inclusions >50% fr ss sp sep PS .3

LOT 10

PS .3

(7) 0-6 sl wk gr fr ns np rep
6-24 c med sbk fi s p sep
24-60" sc/sap mix fr ss sp sep
sap >50%
well for neighbors >100'

PS .3

(8) 0-6 sl wk gr fr ns np rep
6-48' c med sbk fi s p sep mica flakes

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

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1 LOT 14	6% L	0-12" 12-60"	SCL/SL POCKETS ALLUVIAL DEPOSITS yellow c med sbk fis pscp		grey color- chroma 2 @ 18" H2O IN Filtration Into Pit		chroma 2	mixed	US
2 LOT 14	8% L	0-24" 24-48"	cl/scl mix yellow/grey mix c med sbk H2O infiltration into pit	chroma 2 fss sp slp fis p slp	chroma 2	> 50%	of profile		US
3 LOT 17	40% L	0-18" 18"-48"	scl fill c med sbk chroma 2 & red clay stripes	fis pcksp	chroma 2 OFF SITE NEXT	18" & look	> mixed		US
4					OPTION				

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EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

LEGEND

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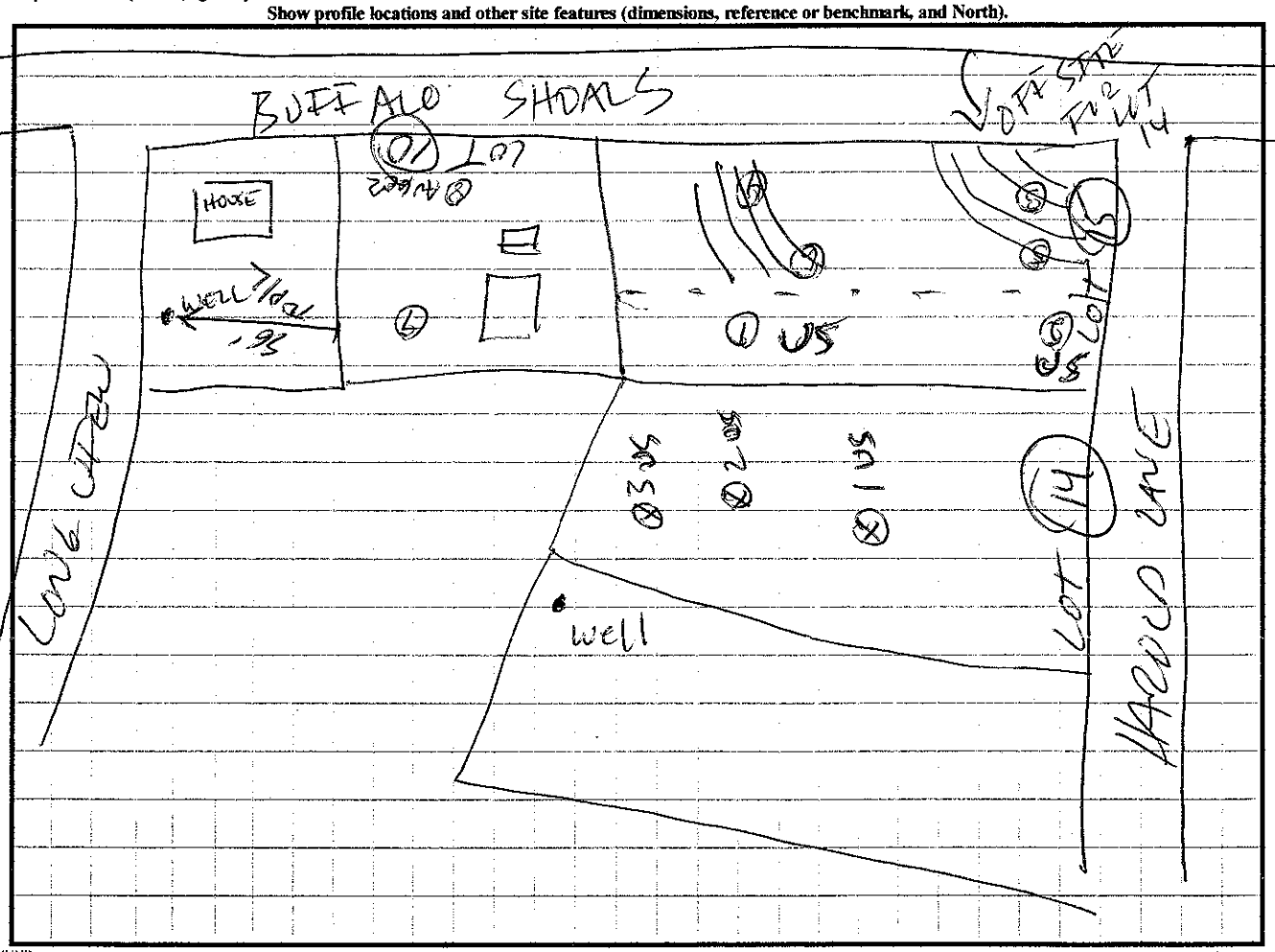
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DENR (######)
Review (#####)

SYSTEMS SHOT IN + PLOTTED. THEN PITS WERE DUG