DENR/DEH

ON-SITE WASTEWATER SECTION

RSH

Sheet 1 of 1
PROPERTY ID #: 4718265340
COUNTY: 158116

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Nelson Dellinger Bldg
ADDRESS: 170 Pisgah Church Rd Statesville NC 28625
PROPOSED FACILITY: 3br house
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 113 Harbin Lane
WATER SUPPLY: • X Private • Public • Well • Spring • Other
EVALUATION METHOD: • X Auger Boring • Pit • Cut
APPLICATION DATE 8/31/05
DATE EVALUATED: 9-15/16/17
PROPERTY SIZE: .46
PROPERTY RECORDED: YES
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	8% L	0-8"	scl wk gr	fr sp non p	bkk mottles stains 5Y7/6 @ 36-40" 5Y 6/6 @ 36-40"	.748"	N/A 20-36"	N/A	PS .25
		8-38"	c med sbk	fr sp sl p					
		38-48"	c med sbk	fr sp sl p					
2	8% L	0-8"	scl wk gr	fr sp non p	N/A sap inclusions < 50%	>48"	N/A	N/A	PS .35
		8-38"	scl med sbk	fr ss sp sl p					
		38-48"	c med sbk	fr ss sp sl p					
3	8% L	0-8"	scl wk gr	fr sp non p	N/A sap inclusions < 50%	N/A	N/A	N/A	PS .3
		8-45"	c med sbk	fr sp sl p					
		45-48"	c med sbk	fr ss sp sl p					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	NO MAX FEASIBLE
System Type(s)	GRW 50%	PRE 1983
Site LTAR	.25	

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
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)	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.

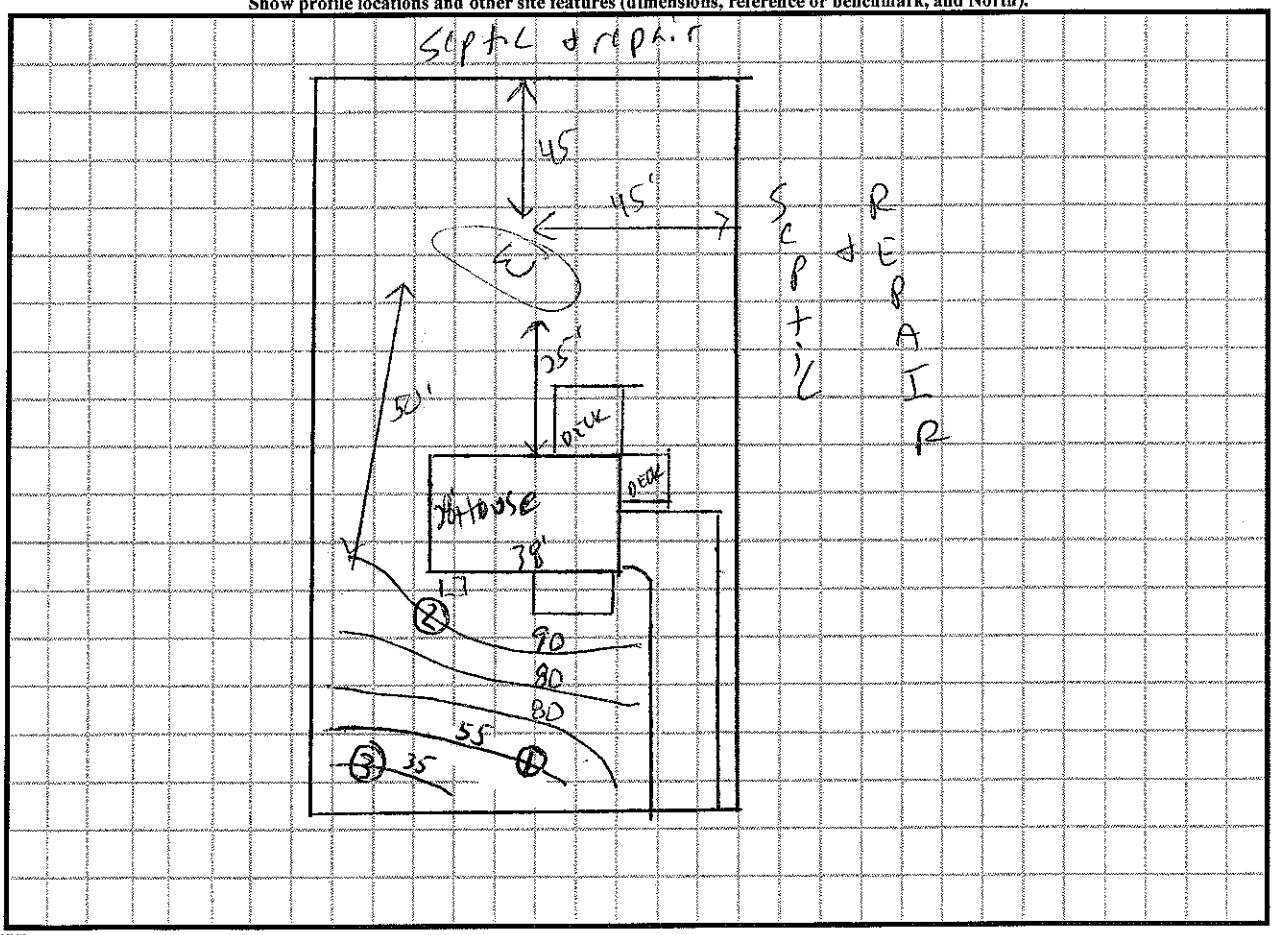
NOTES

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).



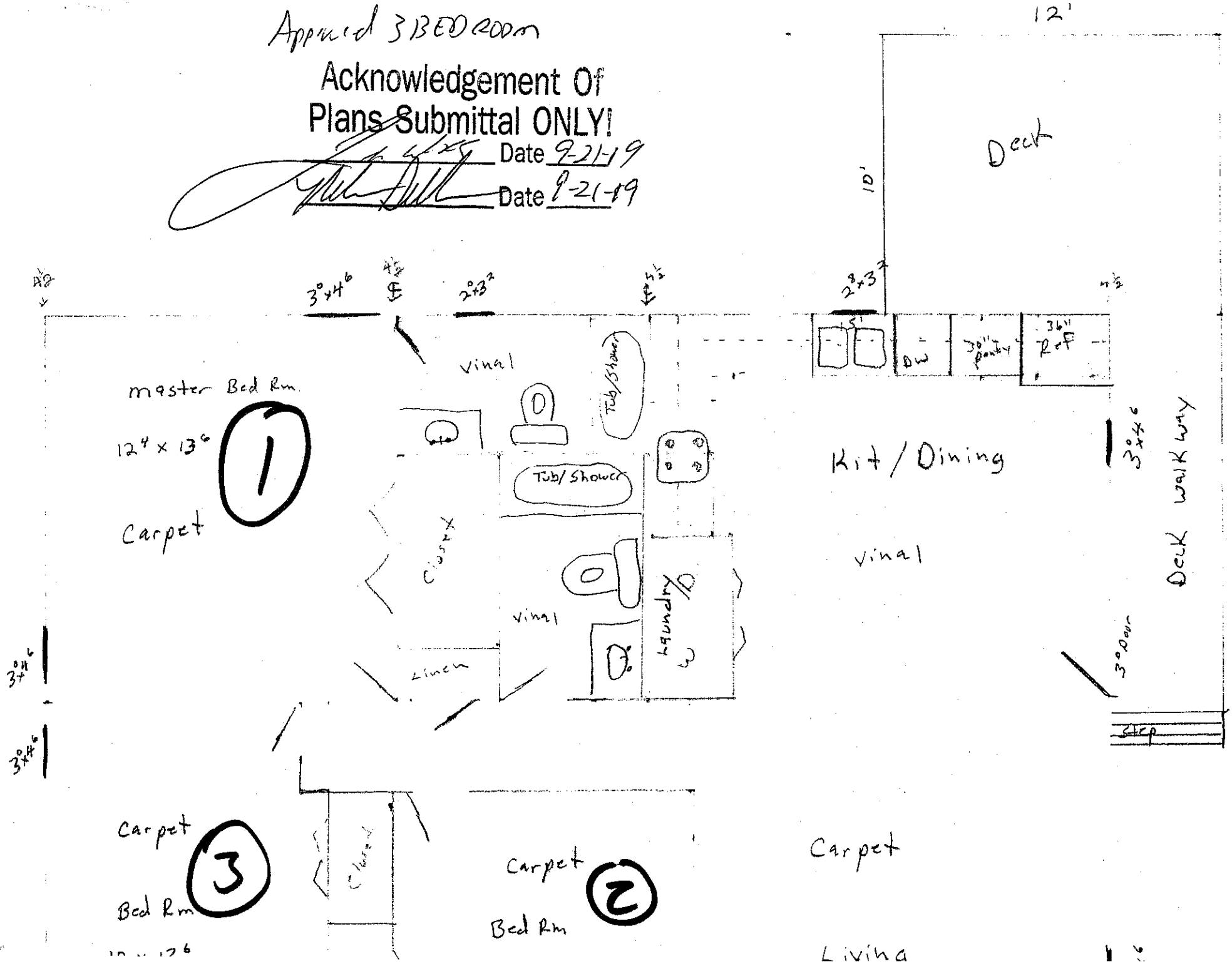
DENR (######)
Review (#####)

Approved 3 BEDROOM

Acknowledgement Of
Plans Submittal ONLY!

Date 9-21-19

Date 9-21-19



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

PROPER
COU

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Trinity Fire Dept. - Substation
ADDRESS:
PROPOSED FACILITY: Fire Dept.
LOCATION OF SITE: Pisgah Ch. Rd. from US 64 W on Cornelius Dishman Lane

APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 2 Ac. more/less
PROPERTY RECORDED:
PROPOSED DESIGN FLOW (.1949):

WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

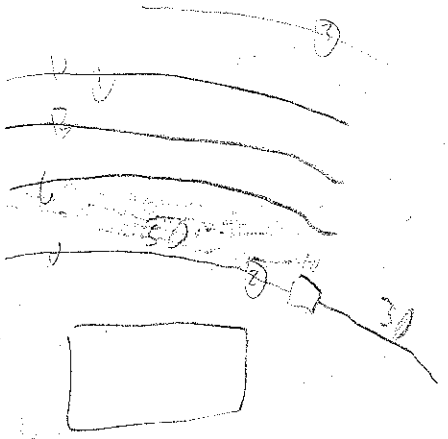
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 5%	0-11	wsbk scl	vfr ssp/p	7-18	7-18	-	-	PS 0.3
		11-18+	sbk C	fi ssp/p					
2	L 7%	0-12	wsbk scl	vfr ssp/p	7-18	7-18	-	-	PS 0.3
		12-18+	sbk C	fr-fi ssp/p					
3	L 7%	0-11	wsbk scl	vfr ssp/p	7-18	7-18	-	-	PS 0.3
		11-35	sbk C	fi ssp/p					
		35-118+	wsbk c ssp/p	fr ssp/p					
4									

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

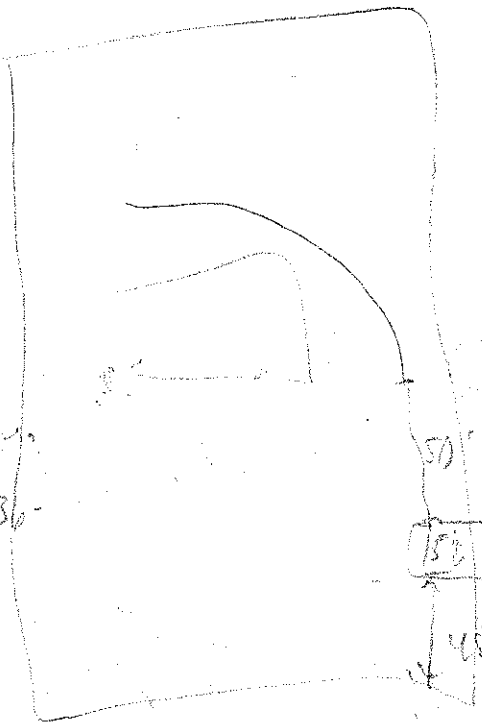
OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:

W 25
B 40
W 20
B5



W	90	85
G	80	75
B	80	75
W	55	60
L	35	35
	340	320



① 0-3 cc
3-3½ C and 5K
3½-4½ C and 6½K
4½-5½ BK and 7½K @ 3½-
5½ and up

② 0-3 cc Legs
3-3½ C and 5K
3½-4½ C and 6½K
4½-5½ BK and 7½K @ 3½-
5½ and up

③ 0-3 cc Legs
3-3½ C and 5K
3½-4½ C and 6½K
4½-5½ BK and 7½K @ 3½-
5½ and up