DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet ___ of ___
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Morgan + Shelagh Duncan — APPLICATION DATE 7-7-2016
ADDRESS: — DATE EVALUATED: 8-22-16
PROPOSED FACILITY: 2BR House — PROPOSED DESIGN FLOW (.1949): 240 GPD — PROPERTY SIZE: 1.69 acres
LOCATION OF SITE: 140 White Rock Farm Lane Statesville — PROPERTY RECORDED: No
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	HS 22% Mid position + 9% at Tank Armored	0-8	Br. Clay Loam w. SBK w/ Rock gravels	SI. Firm, SS, Sp, Sap	—	57"	—	—	0.275 PS
		8-35	Br. Clay m/ SBK/ABK	SI. Firm, SS, Sp, Sap					
		35-57	Br. Clay w. SBK (Saprolite)	SI. Firm SS, Sp, Sap					
2	HS See above Primary	0-8	Br. Clay Loam w. SBK w/ Rock gravels	SI. Firm, SS, Sp, Sap	—	65	—	—	0.30 PS
		8-43	R. clay w. SBK (see below)	SI Firm, SS, Sp, Sap					
		43-65	R. Clay Loam w. SBK w/ mixed cobbles 30"-46" + Saprolite	SI. Friable, SS, Sp, Sap					
3	LS 5% Repair	0-7"	Br. Clay Loam w. SBK w/ Gravels	SI Firm, SS, Sp, Sap	—	70"	—	—	0.30 PS
		7-34"	R. Clay w. SBK w/ gravels	SI. Firm, SS, Sp, Sap					
		34-70"	R Clay Loam w. SBK w/ Saprolite	Friable, SI, Sp, Sap					
4	HS 5% Repair	0-11"	Br. Clay Loam w. SBK w/ Gravels	SI. Friable, SS, Sp, Sap	—	56	—	—	0.30 PS
		11-34"	R. Clay w. SBK	SI. Firm, SS, Sp, Sap					
		34-58"	R. Clay Loam w. SBK w/ yellow Saprolite	SI. Friable, LS, Sp, Sap					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	230	300+
System Type(s)	25% reduction	25% reduction
Site LTAR	0.275	0.30

OTHER FACTORS (.1946): Stump/Brush Pit requires filling
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT:
* owner voluntarily provided backhoe @ time of evaluation

COMMENTS:

5	0-11	CL v.weak 50K	SL Friable, SS, SP, SSP
	11-42	Clay w/50K	SL, Firm, SS, SP, SSP
	42-77	Clay Loam w/50K	SL Friable, SS, SP, SSP
		Qtz cobbles @ 46"-54"	

0.3 PS

4/
Front Yard Burial P.F between Pipestem PL

L_1 (B) = 82'

L_2 (O) = 26'

L_3 (W) = 92'

L_4 (B) = 30'



