SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet 1 of 2

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Water Tree Lot 43

PROPERTY ID #: 4615898531
DATE OF EVALUATION: 10-26-15
COUNTY: Iredell

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
LSS P 1	LSS 10%	0-6	2.5YR 3/6 C MFABK	FI S P SE P	Com 2.5Y 7/8, 6/8 Com 3/8 cc				LTV
		6-12	2.5YR 3/6 C MFABK	FI S P SE P					
		12-49	10YR 5/8 C SABK	FI S P SE P	Com 2.5Y 8/2 "M", com DR, com 2.5Y 8/1				
		49-67	2.5YR 5/8 CL WPABK	FI SS SP SE P	Com 2.5Y 8/1				
P 2	LSS 15%	0-24	2.5YR 3/6 C WPSBK	FI S P SE P	Few 2.5Y 8/1 @ 19" completed				LTV
		24-59	2.5YR 3/6 C WPABK	FI S P SE P	Com 2.5Y 8/1 Com YB				
P 3	LSS 10%	0-6	DR C WPABK	FI S P SE P	completed Few YB around Roots	64"	—	—	PS .225 .2
		6-64	DR C WPABK	FI S P SE P					
P 4	LSS 8%	0-12	FILL		C Few YB Short 32" Few rem Few las Few 2.5Y 7/2 >53" Root channel around one				PS .225 .2
		12-15	B SCL GR	FI SS SP SE P					
		15-64	DR C WPABK	FI S P SE P					
P 5	LSS 8%	0-5	R C WPABK	FI SP SE P	Few part.				PS .225
		5-50	DR C WPABK	FI S P SE P					

COMMENTS: Owner: Ray Short

Second Opinion requested by Kathline Saunders. It was also determined that 2.8' was graded off of initial permitted system area.

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4615898531
DATE OF EVALUATION: 10-26-15
COUNTY: Iredell

Water Tree Lot 43

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P6	LSS 20%	0-41	Fill						.3 40
		41-51	RC MFABk	Fr SP SE-P					
		51-62	YR CL WPSBk	Fr SS SP SE-P					
		62-71	RY CL WPSBk	Fr SS SP SE-P					
P7	LSS 20%	0-5	Fill						PS .3
		5-22	RC MFABk	Fr SS SP SE-P					
		22-34	RCL WPABk/SBk	Fr SS SP SE-P					
		34-61	YR CL WPSBk	Fr SS SP SE-P	few sap	6 +/-	-	-	
P8	LSS 20%	0-50	Fill						
		50-63	RC WPABk	Fr SS SP SE-P					
P9	LSS 20%	0-30	Fill						
		30-35	RC compacted						
		35-60	RC MFABk	Fr SP SE-P	com YB				
		60-71	RC WPSBk	Fr SP SE-P	few YB				

COMMENTS: _____

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

Sheet 1 of 2
PROPERTY ID #: 6615 29 8531
COUNTY: Iredell

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

OWNER: Lake Lukury Homes — APPLICATION DATE 7/16/16
ADDRESS: 7271 Long Island Rd Catawba — DATE EVALUATED: 10/2015
PROPOSED FACILITY: 3 SFR — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 0.74
LOCATION OF SITE: White Tree Landing 43 — PROPERTY RECORDED: POST 81
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	L	0-12	mo SBK C	Fi ss/sp	R				0.3
		12-32	WK SBK CL	Fi ss/sp	R yel; CSap				
		32-53	WK SBK CL	Fi SS/sp	yel R c/m Sap				
						53+	N/A	N/A	
2	L	0-20	mo SBK C	FR SS/sp	R				0.3
		20-29	WK SBK CL		yel R; CSap				
		29-46	ma L Sap		yel; F CL inc				
		46-162	ma L Sap	↓	yel				
						29"	PS	N/A	
A	L	6-0	Fill						0.2 to 43"
		0-7	mo GR SL	FR ns/np	Br	55+	N/A	N/A	
		7-43	WK SBK C	Fi s/p	R				
		43-55	WK SBK C	2 chroma	in Root Channel (< 2% of pit)				
B	L	0-60	WK SBK C	Fi s/p	R; FSap	60+	N/A	N/A	0.2

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	LP PPBPS
Site LTAR	0.3	0.2

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KMS
OTHER(S) PRESENT: EL H

COMMENTS:

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

Sheet 2 of 2
PROPERTY ID #: 4615 89 8531
COUNTY: I

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

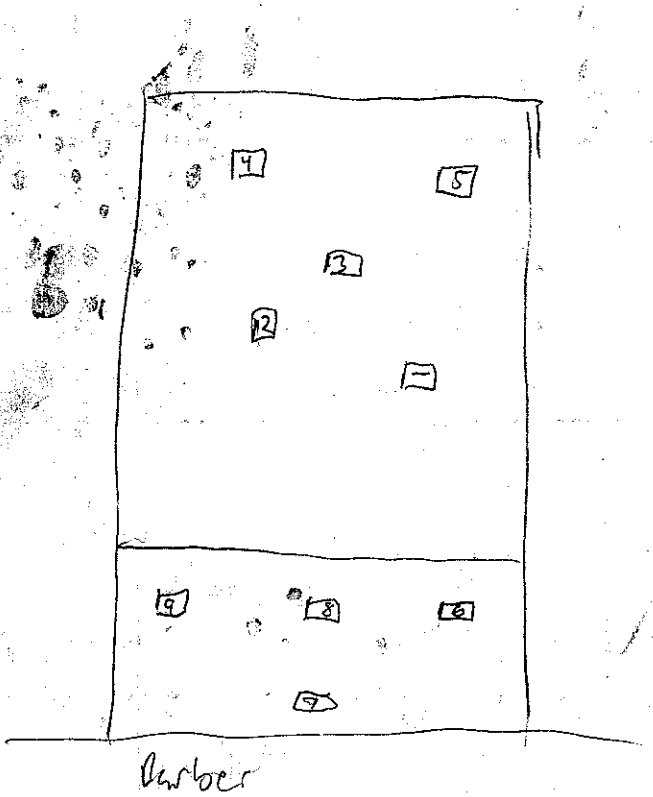
OWNER: Lake Luxury Homes — APPLICATION DATE 7/16/16
ADDRESS: 7271 Long Island Rd Catawba — DATE EVALUATED: 10/2015
PROPOSED FACILITY: ____ — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 0.74
LOCATION OF SITE: Waterfront Landing 43 — PROPERTY RECORDED: post 81
WATER SUPPLY: ☒ Private ☐ Public ☒ 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
C	L	0-60	WK ABK C	FI S/P	R; F/C yel Br (root channels)	60+	N/A	N/A	0.2
Pit A		0-6	Compaction						
		6-60	RC WSBK	FI SP Sc-P		60	—	—	.2

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	LP PPBPS
Site LTAR	0.3	0.2

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KMS
OTHER(S) PRESENT: ELH

COMMENTS: ____


4
5
3
2
1
9
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7
Barber