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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Kevin Horton — APPLICATION DATE 6/13/25
ADDRESS: 113 Forest Oaks Dr Hormony, NC 28634 — DATE EVALUATED: ___
PROPOSED FACILITY: 3 Br — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: 3ac
LOCATION OF SITE: Mills Gordon Rd — PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private (X) Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: (X) Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: (X) 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	LS 5-10%	0-20	WM SBK/C	Fr SS SP	>48" relic	>48"	>48"	>48"	PS 0.3
		20-32	MM SBK/C	Fi SS SP					
		32-48	WM W/SBK/CL	Fr SS SP					
2	LS 15-20%	0-24"	~~WM~~ SBK/C	Fi SS SP	>36" relic	36" hit a rock	N/A	36"	PS 0.25
		24-36"	MM SBK/C	Fi SP					
3	LS 15-20%	0-12"	MM SBK/C	Fi VS VP	12"	>12"	N/A	<12"	UN
4	LS 0-5%	0-24	RMM SBK/C	Fi SS SP	>48" relic	>48"	N/A	>48"	PS 0.25
		24-48	MM SBK/C	Fr SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% red	25% red
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Steven Price
OTHER(S) PRESENT: ___

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ *of* ____

DEPARTMENT OF ENVIRONMENT
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DATE OF EVALUATION: ____________
COUNTY: ____________

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	LS 0-5%	0-24	MM SBK/C	Fi SS SP	>48"	>48"	N/A	>48"	PS 0.25
		24-48	MM SBK/C	Fr SS SP					

COMMENTS: ____

Client:	Kevin Horton
Project Name:	Mills Garden Rd
Project #:	5-1551
Lot #:	24
Estimated design daily flow:	360
System type:	25% reduction
Proposed System LTAR:	0.25 gpd/ft^2
Line length needed for initial system:	360 ft
Trench bottom depth:	18 inches

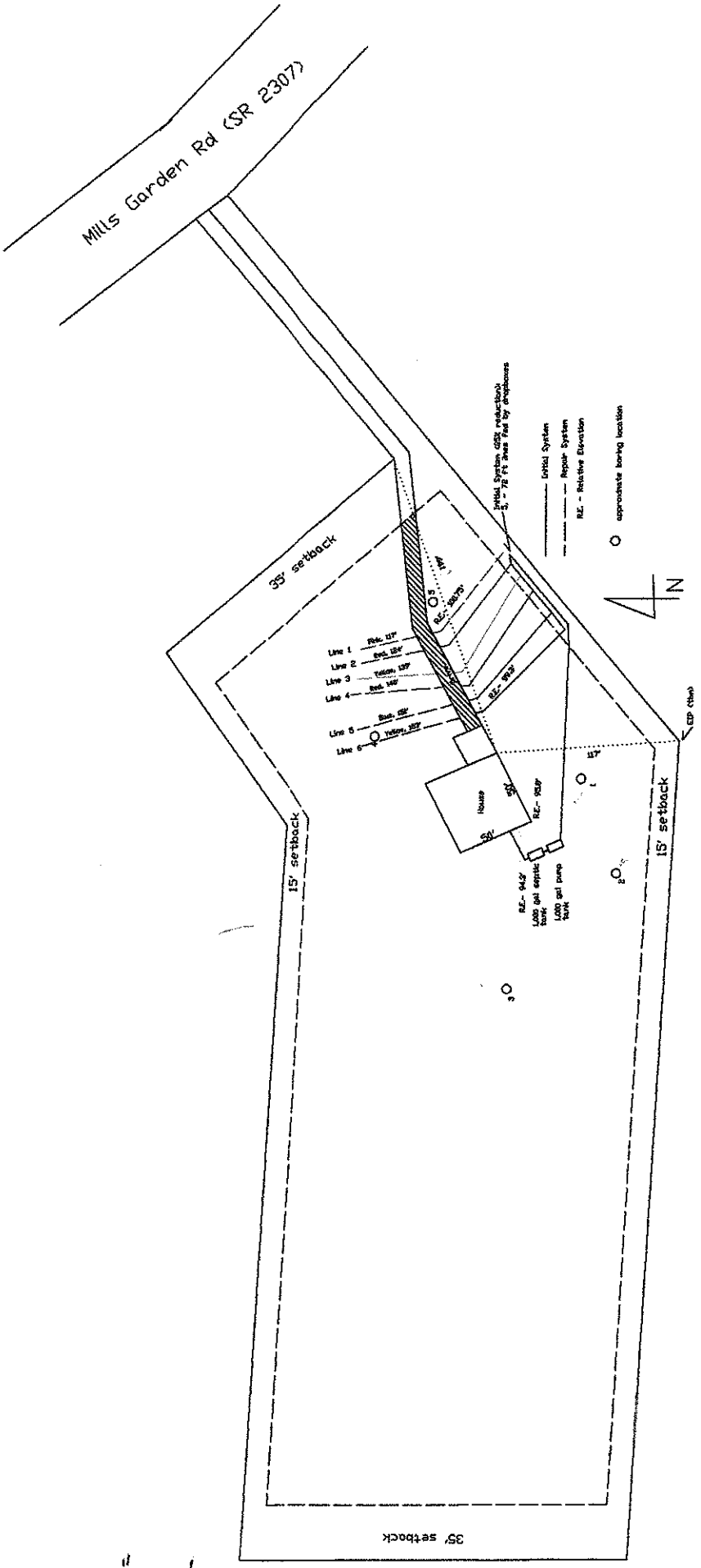
Line #	Color	Rod reading	Relative elevation	Line length (ft)	
1	pink	3.55	100.75	117	repair
2	red	3.85	100.45	124	**68' system**
3	yellow	4.2	100.1	139	**74' system**
4	red	4.4	99.9	148	**72' system**
5	blue	4.8	99.5	151	**73' system**
6	yellow	5	99.3	153	**73' system**
TBM		4.3	100		
Rear House Corner		8.5	95.8		
Septic Tank		10	94.3		

Total Line Length: **832**

System Line Length: **360**

TBM is top of limb on tree marked with orange S&EC flagging

Initial system will require a pump. Additional repair is available behind the house


Mills Garden Rd (SR 2307)
35' setback
15' setback
15' setback
35' setback
House
Initial System
Repair System
N
1" = 100'