ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 328731

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4674 -18 -3123

APPLICANT/OWNER: David Webb APPLICANT ADDRESS: 1235-E #155 East Blvd. Charlotte, NC 28203

SITE ADDRESS: 170 Country Brook Lane Mooresville NC 28115 PHONE: (980) 242-6565 ALT. PHONE

SITE DIRECTIONS: Coddle Creek Hwy to Country Brook Lane

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Winds of Grace SECTION: - LOT # 4 LOT AREA: 13.931 Ac DESIGN FLOW: 600 L.T.A.R.: 30

Septic Tank	1500	(gal)	STB	964	Date	11/19/22	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	GRAVITY - 25% Reduction			
Pump Make			Model		Serial #		Repair System Description:	75% Reduction			
# Nitrification Fields	1		# Lines	5	Linear Ft	500	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36in		Trench Bottom Depth (~~Cut/side~~)		36in max		Gravel Depth		☒ GRAVITY	☐ PRESSURE	

☒ Residence	No. Bedrooms	5	Water Supply	
☐ Business	No. Persons	10	☒ Private	
☐ Other	No. Employees		☐ Public	
☐ Slab	☒ Crawl Space		☐ Community	
☐ Basement w/ plumbing			☐ Basement w/o plumbing	

Comments / Conditions:

~~X~~ House Footprint Does not impact Sytle Area.

INITIAL SITE SKETCH

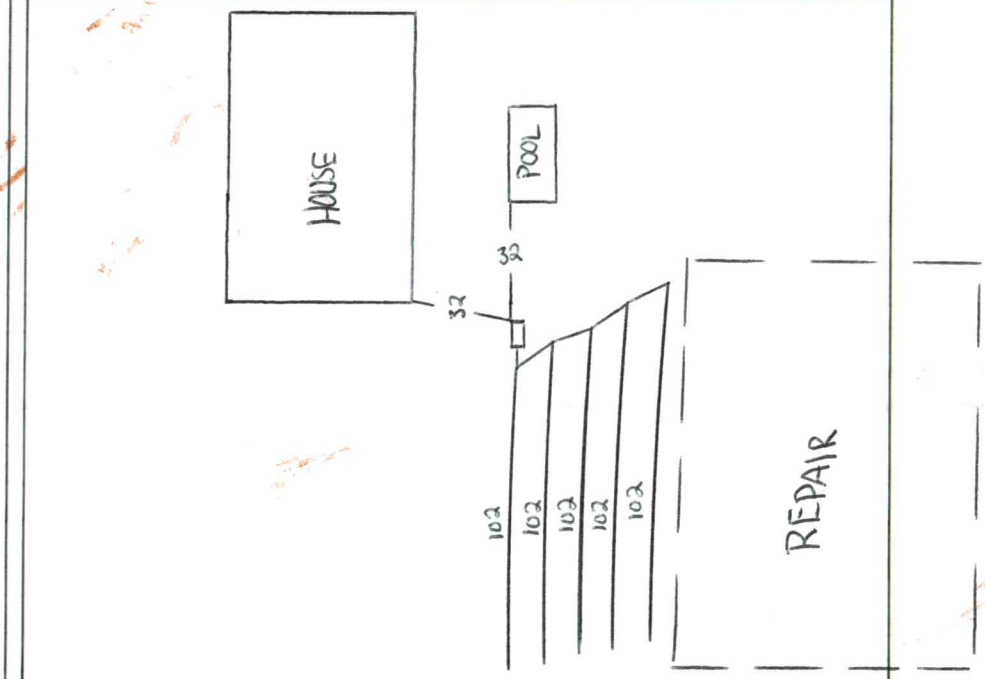
This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Coddle Creek Soil Consulting

LSS # 1291 Dated April 29, 2022.

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 6/6/2022 Installed by: Sid Gaskins

IMPROVEMENT PERMIT by: Date: 5-27-2022 OPERATION PERMIT by: Date: 1/9/23

AUTHORIZATION TO CONSTRUCT by: Date: 5-27-2022 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

9:14 PM Mon Apr 25

Done

OS011 Site Plan 2.9.22.pdf

LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA

Boring Locations

Scale: 1" = 50'

Pit 4
Pit 3
Pit 2
Pit 1

Red
Pink
Green
Blue
White
Orange
Red
Green
Yellow
Blue

101'
95
104'
100'
140

Tree Line

Initial System	
Blue	140'
Yellow	100'
Green	104
Red	95
Orange	101
Total	500'

Install chambers at 36 inches on upslope

4" SCH 40 PVC
ST
60'
134'
Driveway
100'
115'
60.43'
Pool
15'
House
90'
60'
98.35'

GPS POINT BY OTHERS
N: 647947.94
E: 1471623.67

Well Area

Sheet of
PROPERTY ID #
COUNTY Iredell

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

OWNER Scott Matey
ADDRESS: 162030 Lock Raven Rd Huntersville NC
PROPOSED FACILITY: Home PROPOSED DESIGN FLOW (1949): 600
LOCATION OF SITE: 170 County Brooke Mooresville NC
WATER SUPPLY: Private Public Well Spring Other
EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Sewage Industrial Process Mixed

APPLICATION DATE:
DATE EVALUATED: 4/7/22
PROPERTY SIZE:
PROPERTY RECORDED:

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	.1956 SAPRO (129)	.1944 RESTR HORZ	PROFILE CLASS & LTAR
1	L 0%	0-11"	C SSL	Sexp fi mod mod Roots clay films					PS .3
		11-24"	C SSL	Sexp fi mod mod clay films roots mica		58"			
		24-55"	C SSL	Sexp fi mod mod Clay films mica Roots					
2	L 6%	0-16"	C SSL	Sexp fi mod mod Roots clay films					PS .3
		16-22"	C SSL	Sexp fi mod mod roots clay films mica					
		22-65"	C SSL	Sexp fi mod mod mica Clay films		65"			
3	L 6%	0-17"	C SSL	Sexp fi clay films roots					PS .3
		17-30"	C SSL	Sexp fi clay films roots mica mod mod		55"			
		36-55"	C SSL	Sexp fi clay films fine roots mod mod mica flakes					
4	L 6%	0-14"	C SSL	Sexp fi mod mod roots clay films					PS .3
		14-32"	C SSL	Sexp fi mod mod mica roots					
		32-64"	C SSL	Sexp fi mod mod fine roots		64"			

LICENSED SOIL SCIENTIST — STEVEN RANDAL CANNON — STATE OF NORTH CAROLINA

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (1945)	✓	✓
System Type(s)	Accepted	Accepted
Site LTAR	.3	.3

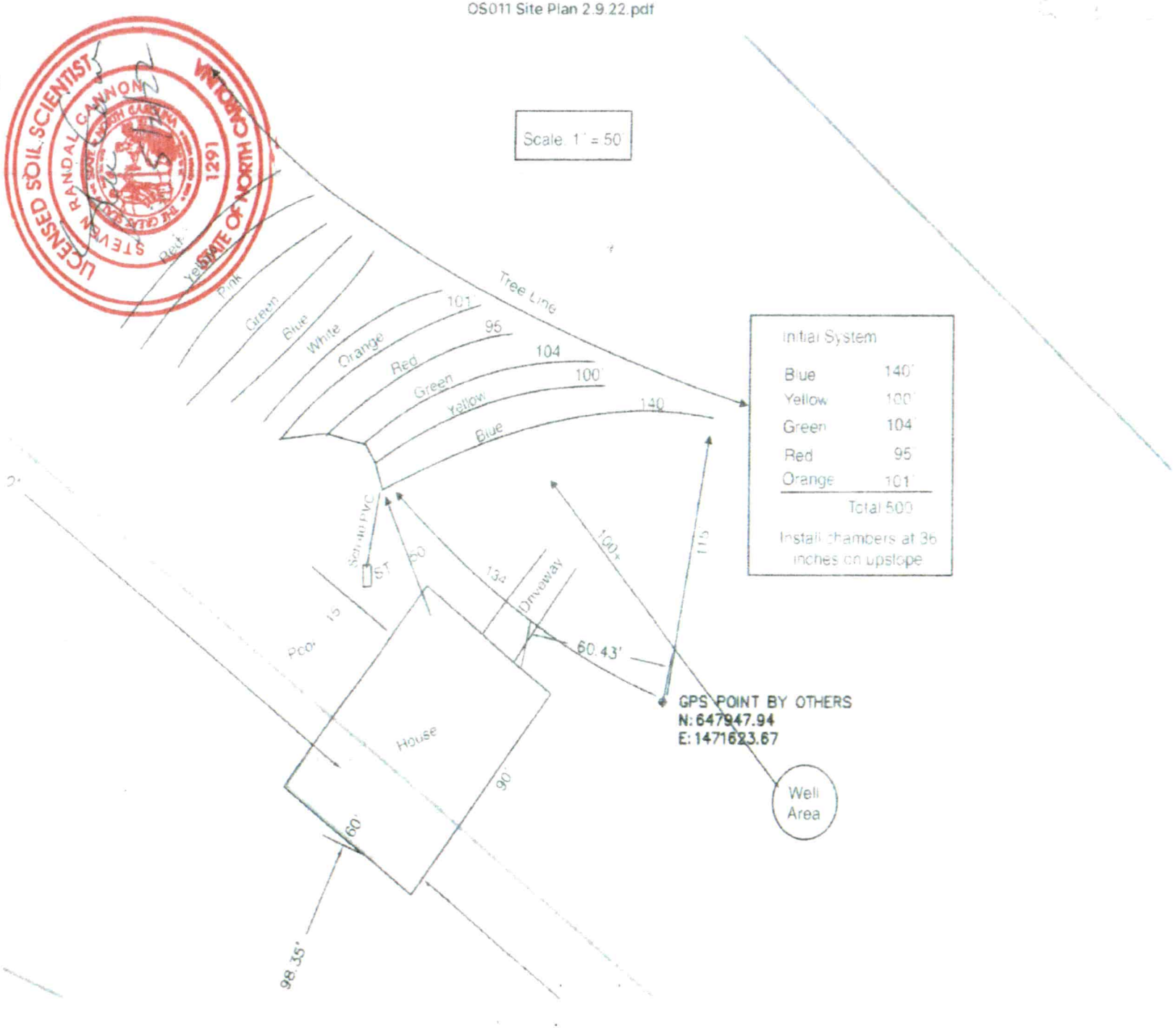
OTHER FACTORS (1946):
SITE CLASSIFICATION (1948): PS
EVALUATED BY Steven Cannon
OTHER(S) PRESENT

COMMENTS 500' Accepted 36" Trench Bottom

7:54 PM Mon Apr 25

Done

OS011 Site Plan 2.9.22.pdf



Coddle Creek Soil Consulting
5500 Deer Run Court
Davidson, NC 28036
(704) 706 4645

April 29, 2022

Iredell County Environmental Health
Attention: Mr. Ben Botkins
349 North Center Street
Statesville, North Carolina 28687

Subject: Recommended Wastewater Disposal System
Pin # 4674183123 Lot 4
170 Country Brook Lane
Mooresville, North Carolina 28115
Scott Matey, Owner

Dear Mr. Botkins:

Enclosed you will find a copy of the wastewater disposal system proposed for owner Scott Matey. The property is located at 170 Country Brook Lane described as Pin # 4674183123 Lot 4. Attached are sealed soil notes as well as site plans and designs for a on-site wastewater disposal system. This design is submitted under Session Law 2018-114 (HB 374). Please review the enclosed document presented to you for Scott Matey. Please contact me for concerns regarding the wastewater disposal system design.

"The LSS Evaluation attached to this application is used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.C."

Owner: Scott Matey

Signature: 

"The LSS Evaluation is submitted pursuant to and meeting requirements of SL 2018-114 Section 11.C."

Steve Cannon, LSS

Signature: 

Design Specifications for Proposed Wastewater Systems

Applicant: Scott Matey
Property Address : 170 Country Brook Lane
Mooresville, North Carolina 28115
Pin: 4674183123
Lot 4
Acres: 13.93
Iredell County, North Carolina

Source of Water Flow	5 Bedroom House
Source of Water	Private Well
Estimated Daily Flow	600 gallons/day
Septic Tank	1500 gallons
Wastewater Treatment: Initial	Accepted
Loading Rate	.3 g/d/sq.ft.
Drainfield Size	500 feet
Slope	6 percent
Slope Correction	3 inches
Trench Bottom Depth	36 inches on upslope
Wastewater Treatment: Repair	Accepted
Drainfield Size	500 feet
Loading Rate	.3 g/d/sq.ft.
Slope	6 percent
Slope Correction	3 inches
Trench Bottom Depth	36 inches on upslope

Nitrification Lines Elevation and Length

Applicant: Scott Matey
Property Address: 170 Country Brook Lane
Mooresville, North Carolina 28115
Pin: 4647183123
Lot 4
Acres: 13.91
Iredell County, North Carolina

Initial

Line	Flag Color	Line Elevation	Flagged Length	Design Length
1	Blue	4.83'	140'	140'
2	Yellow	5.43'	111'	100'
3	Green	6.06'	115'	104'
4	Red	6.60'	95'	95'
5	Orange	7.14'	101'	101'
			Total 562'	Total 500'

Repair

Line	Flag Color	Line Elevation	Flagged Length	Design Length
1	White	7.60'	94'	85'
2	Blue	8.06'	77'	77'
3	Green	8.47'	95'	85'
4	Pink	9.08'	92'	84'
5	Yellow	9.58'	104'	85'
6	Red	9.97'	125'	84'
			Total 587'	Total 500'

Proposal to Request Wastewater Design System

170 Country Brook Lane
Lot 4

Parcel ID: 4674183123

Mooresville, North Carolina 28115

Iredell County, North Carolina

Coddle Creek Soil Consulting
5500 Deer Run Court
Davidson, North Carolina 28036

April 29, 2022

Information for Installers, Contractors and Other Interested Parties

Follow all rules and regulations as set forth by the state of North Carolina regarding of septic in Section .1900 Sewage Treatment and Disposal Systems.

Do not grade, cut or bury anything in approved areas designated for initial system or repair system.

If removing trees from property, cut trees at or about knee level, push over portion of tree remaining and pull stump out of ground. Do not dig out stump if at all possible.

May clear areas of sewage disposal systems only by fine grading or skimming ground surface.

Do not compact the soil by vehicular traffic. Stay off the designated areas for sewage disposal systems.

Install sewage disposal systems only during dry conditions to avoid smearing the nitrification trench sidewall.

Do not over excavate nitrification trenches. Remove clods. Leave nitrification trenches clean and level.

Do not leave trash in nitrification trenches like soda bottles, pieces of pvc pipe or anything else that does not belong in the nitrification trenches.

If post installation is required, the designer will need a 5 week day notice from the installer to schedule a final inspection before covering the septic system.

No changes to septic system design without designer or county health department approval is prohibited.

Once location of building corners are established DO NOT move the building without septic the designer or local health department. Moving the building may void any permit issued to the property owner and may void the designed septic system.