BB 9:00

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

PERMIT # OSWP-2022-8524

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

PIN # 4761-76-0512

APPLICANT / OWNER: ASSETS JPG APPLICANT ADDRESS: 164 KINGS CROSS LN , MOORESVILLE , NC 28117

SITE ADDRESS: 1207 OSTWALT AMITY RD, CLEVELAND, NC 27013 PHONE: 7705438256 ALT. PHONE:

SITE DIRECTIONS: South on 21, Left on Ostwalt Amity, Lot on Left SAP CONTROLLED: YES ☑ NO ☐

SUBDIVISION: SECTION: LOT #: LOT AREA: 43.976 DESIGN FLOW: 480 L.T.A.R.: 0.25

Septic Tank: 1000 (gal)	STB: 2071	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: 1000 (gal)	PT: 2077	Date:	System Description: 25% Reduction- P.M.		☐ Business	No. Persons: 2	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 480	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 30		Gravel Depth:	☐ GRAVITY ☑ PRESSURE	☑ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Follow the LSS design provided in site plan SEE ICHD NOTES ON PREVIOUS PERMIT

INITIAL SITE SKETCH

This permit is issued pursuant to G.S. 130A-335(a2), (a3) & (a4) using the signed and sealed LSS/LG Evaluation attached here, from:

CODDLE CREEK SOIL CONSULTING, LLC

LSS# 1291

AS BUILT SKETCH

12-1-22 - Lines inspected + level - Water standing in trench must be pumped out before backfilling

1 - 122
2 - 122
3 - 118
4 - 118.

* Manifold - away *

- Supply line on
- MANIFOLD CHECKED 12-8-2022 BCox
- DITCHES CLOSED UNABLE TO VERIFY THAT THEY WERE DRY AND NOT SILTED
- Alarm
- Pressure Head } 12-16-22 STH
- Pump Run

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:

IMPROVEMENT PERMIT by: Bryant C. White Date: 11-30-2022

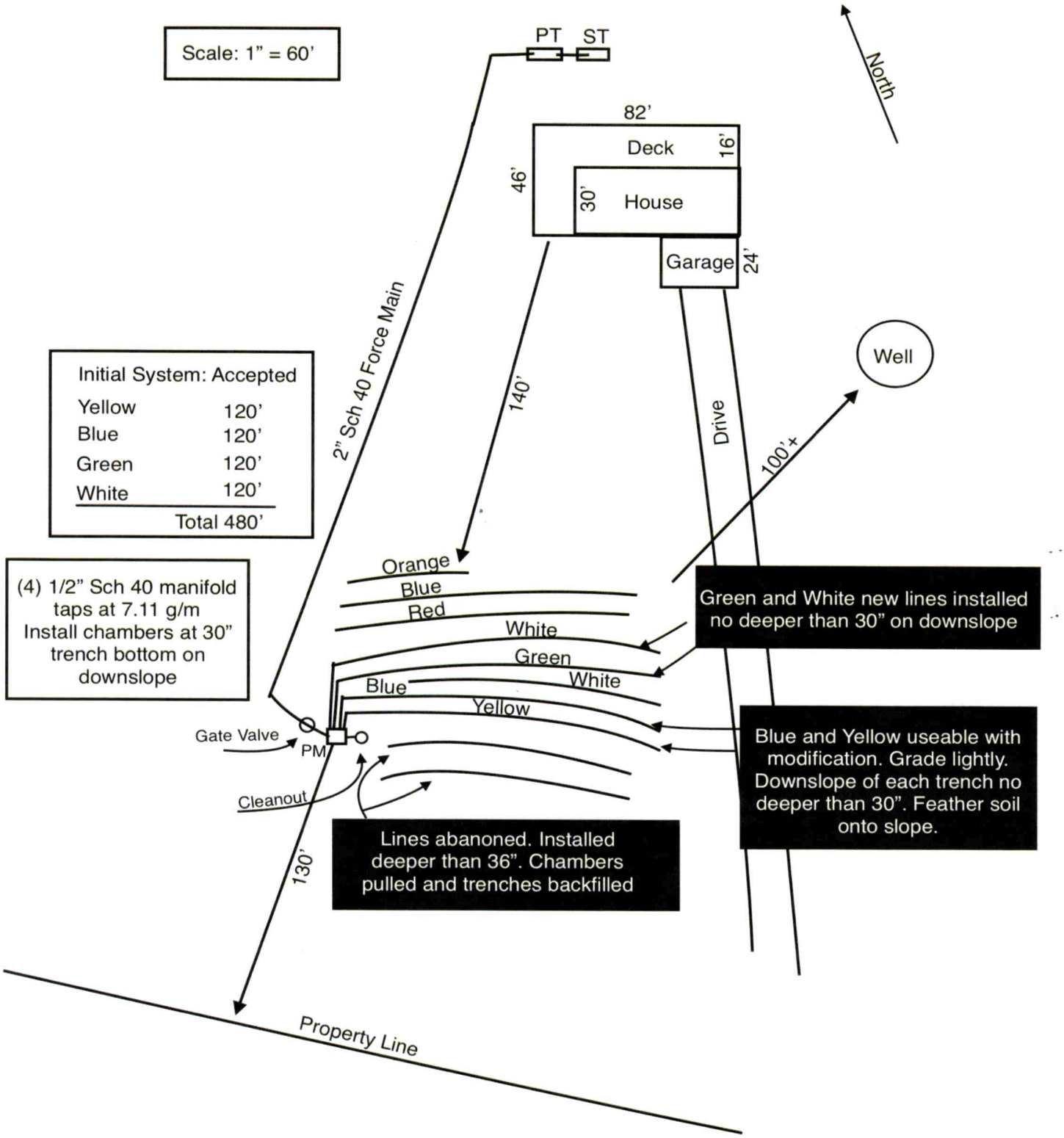
AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 11-30-2022

Installed By: MKB Plumbing

OPERATION PERMIT by: Sydney Holland Date: 12-16-22

Existing System Inspected By: Date:

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


Scale: 1" = 60'
PT
ST
North
82'
Deck
16'
46'
30'
House
Garage
24'
Well
2" Sch 40 Force Main
140'
Drive
100'+
Initial System: Accepted
Yellow 120'
Blue 120'
Green 120'
White 120'
Total 480'
(4) 1/2" Sch 40 manifold taps at 7.11 g/m
Install chambers at 30" trench bottom on downslope
Orange
Blue
Red
White
Green
White
Blue
Yellow
Green and White new lines installed no deeper than 30" on downslope
Gate Valve
PM
Cleanout
Blue and Yellow useable with modification. Grade lightly. Downslope of each trench no deeper than 30". Feather soil onto slope.
Lines abanoned. Installed deeper than 36". Chambers pulled and trenches backfilled
130'
Property Line

Nitrification Lines Elevation and Length

Applicant: Mitchell Slaggert
Property Address: 1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Tract 2B
Parcel: 4761760512
Acres: 31.88
Iredell County, North Carolina

Initial

Line	Flag Color	Line Elevation	Flagged Length	Design Length
1	Yellow	3.64'	120'	120'
2	Blue	4.66'	120'	120'
3	Green	6.43'	120'	120'
4	White	7.62'	120'	120'
			Total: 480'	Total: 480'

Repair

Line	Flag Color	Line Elevation	Flagged Length	Number of Panels
1	White	2.22'	94'	22
2	Red	5.93'	100'	23
3	Blue	7.54'	95'	22
4	Orange	8.87'	31'	7
			Total: 324'	Total: 74

Design Specifications for Proposed Wastewater Systems

Applicant: Mitchell Slaggert
Property Address: 1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Tract 2B
Parcel ID # 4761760512
Acres: 31.88
Iredell County, North Carolina

Source of Water Flow	4 Bedroom House
Source of Water	Private Well
Wastewater Treatment Systems	Accepted/Horizontal PPBPS
Septic Tank	1000 gallons
Pump Tank	1000 gallons
Estimated Daily Flow: Initial	480 gallons/day
Loading Rate	.25 g/d/sq.ft.
Drainfield Size	480 feet Accepted
Slope	11 percent
Slope Correction	4 inches
Trench Bottom Depth	30 inches on downslope
Distribution Device	Pressure Manifold
Loading Rate : Repair	.25 g/d/sq.ft
Drainfield Size	320 feet Horizontal PPBPS
Slope	12 percent
Slope Correction	5 inches
Trench Bottom Depth	30 inches on downslope
Distribution	LPP

Design Calculations for Wastewater System

Manifold Taps	(4) 1/2" Sch 40 taps @ 7.11 g/m
Total Flow Through Orifices	28.44 g/m
Pump Time to Dose 218.4 gallons	7m 40s
Pump Time to Dose 480 gallons	16m 52s
Pump Block	4 inches
Pump Height	12 inches
Approximate Gallons at 16 inches in Pump Tank	322.56 gallons
Gallons between float on and alarm on	120.96 gallons
Tank Draw Down	10.83" or 10 13/16"
Pump Float On	26 13/16" off tank bottom
Alarm On	32 13/16" off tank bottom
Storage After Alarm Sounds	338 gallons (16.9 hrs.)

Design Calculations for Wastewater System

Applicant: Mitchell Slaggert
Property Address: 1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Tract 2B
Parcel ID : 4761760512
Acres: 31.88
Iredell County, North Carolina

Source of Wastewater Flow	4 Bedroom House
Estimated Daily Flow	480 gallons/day
Wastewater Treatment Systems	Accepted/Horizontal PPBPS
Dosing Volume	218.4 gallons
Estimated Supply Length	280 feet
Supply Line Diameter	2 inch Sch 40 PVC
Supply Line Volume	48.72 gallons
Anti-Siphon Hole	Yes 3/16"
Distribution Device	Pressure Manifold
Pressure Head	2 feet
Friction Loss	4.26 feet
Elevation Head	12 feet
Total Dynamic Head	18.26 feet
Pump Tank Drawdown (may vary)	20.16 gallons per inch
Gate Valve	In tank
Check Valve	2 (1 in tank) (1 at manifold)
Threaded Union	In tank

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: Mitchell Sloggett
ADDRESS: mslaggett@gmail.com
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 1207 Ostwalt Amity Rd
WATER SUPPLY: ✓ Private Public Well Spring Other
EVALUATION METHOD: Auger Boring ✓ Pit Cut

APPLICATION DATE:
DATE EVALUATED: 11/4/22
PROPERTY SIZE: 31+/-
PROPERTY RECORDED:

TYPE OF WASTEWATER: ✓ Sewage Industrial Process Mixed

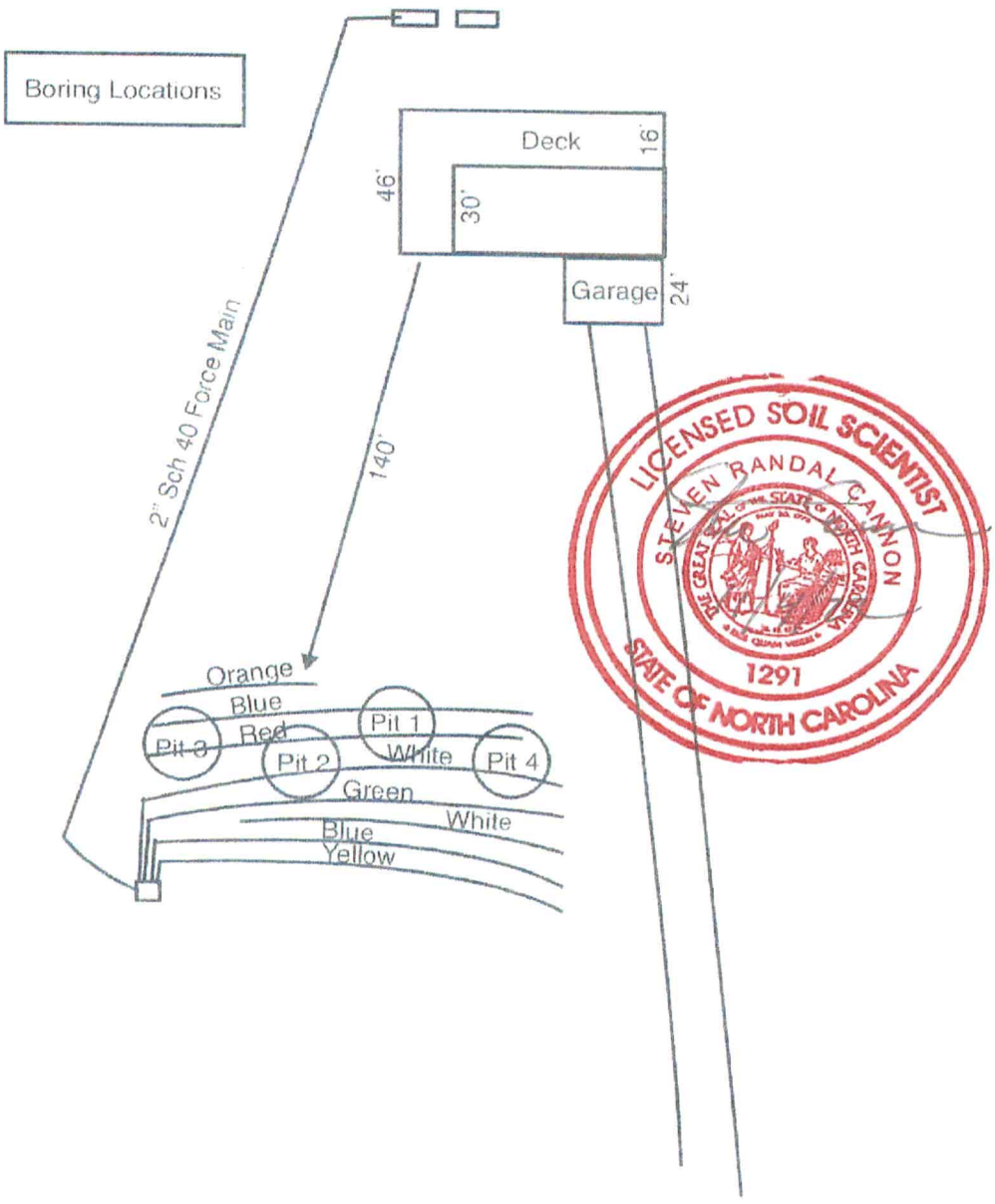
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1944 RESTR HORIZ	.1945 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 10%	0-10"	Sl gr	NS np		43"			PS .25
		10-27"	c sbk	sp fi sap					
		27-43"	CL ws sbk	sp hi sap					
		43"	L m sap						
2	L 10%	0-6"	Sl gr	NS np		43"			PS .25
		6-18"	C sbk	sp fi sap					
		18"-43"	Cl ws sbk	sp hi sap					
		43"	L m sap						
3	L 11%	0-5"	Sl gr	NS np		51"			PS .25
		5-9"	Cl ws sbk	sp fi sap					
		9-30"	CL ws sbk	sp hi sap					
		30-51"	Cl ws sbk	sp hi sap					
4	L 11%	0-3"	Sl gr	NS np		57"			PS .25
		3"-7"	Cl ws sbk	sp fi sap					
		7"-40"	C sbk	sp hi sap					
		40-57"	Cl ws sbk	sp hi sap					

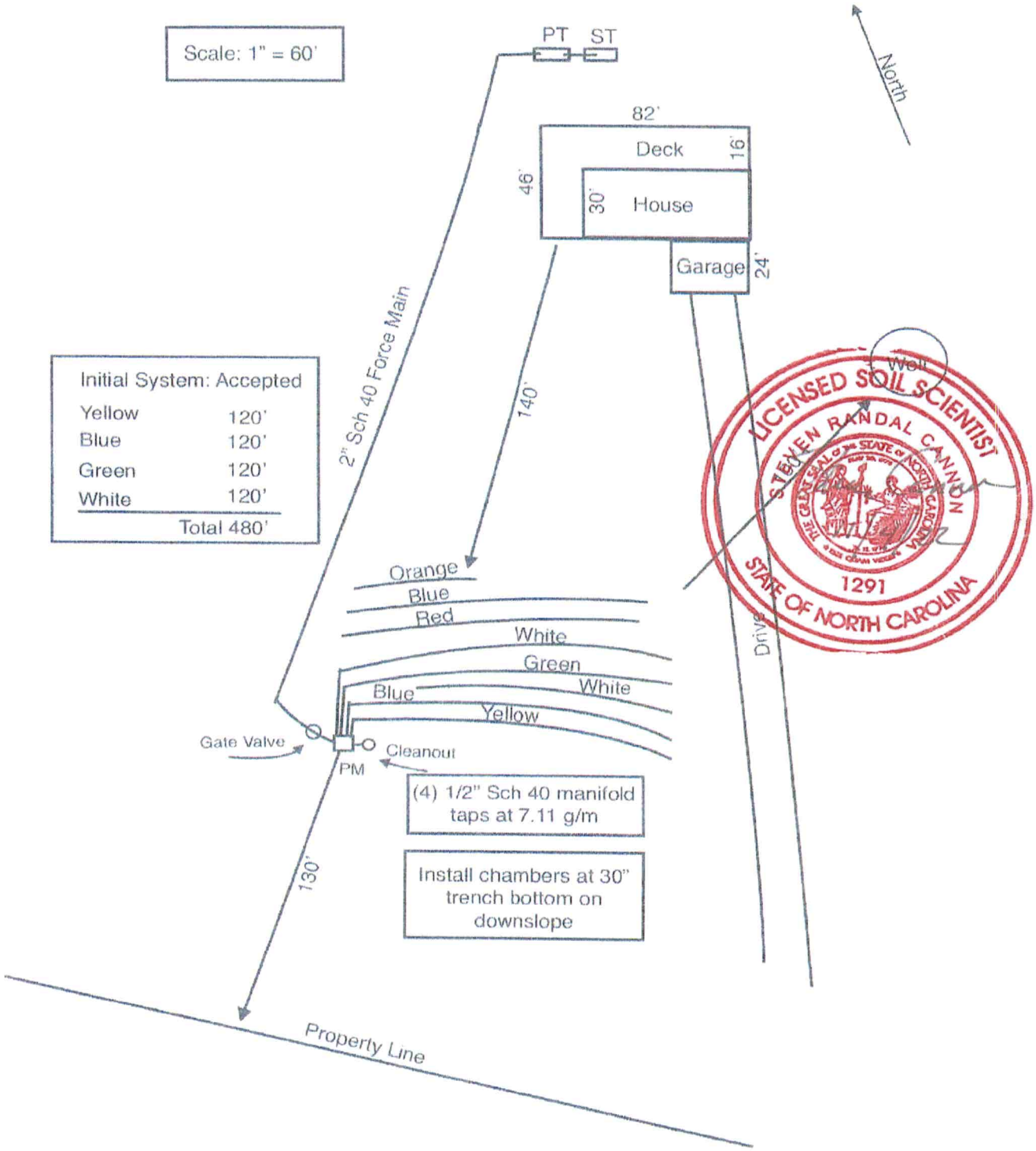
LICENSED SOIL SCIENTIST STEVEN RANDALL CANNON 1291 STATE OF NORTH CAROLINA

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	✓	✓
System Type(s)	Accepted	H. PPBPS
Site LTAR	.25	.25

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

COMMENTS: Redraw Reevaluation. Original two upper initial lines installed 7-36"


Boring Locations
Deck
16'
46'
30'
Garage
24'
2" Sch 40 Force Main
140'
Orange
Blue
Red
Pit 3
Pit 2
Pit 1
White
Pit 4
Green
White
Blue
Yellow
LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA


Scale: 1" = 60'
PT
ST
North
82'
Deck
16'
46'
30'
House
Garage
24'
Well
2" Sch 40 Force Main
140'
Initial System: Accepted
Yellow 120'
Blue 120'
Green 120'
White 120'
Total 480'
LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA
Orange
Blue
Red
White
Green
White
Blue
Yellow
Drive
Gate Valve
Cleanout
PM
(4) 1/2" Sch 40 manifold taps at 7.11 g/m
Install chambers at 30" trench bottom on downslope
130'
Property Line

PERMIT SNAPSHOT REPORT OSWP-2022-8524 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	11/03/2022
Work Class:	EH Septic Improvement Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	White, Bryant	**Approval Expire Date:**	

Description: Installer buried some drain field lines too deep. Land needs to be graded above it. Benjamin Botkins informed me to apply for an improvement and authorization permit.

Parcel:	**Address:**	**Zone:**
4761760512.000 Main	1207 Ostwalt Amity Rd Main Cleveland, NC 27013	RA(Residential Agricultural District)

Property Owner
mitchell slaggert
Home: (770) 543-8256

Applicant/Authorized Agent
ASSETS JPG
169 kings cross lane 164
KINGS CROSS LN
MOORESVILLE, NC 28117
Business: (770) 543-8256

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	Modular home on top of a basement. 66 by 30 foot 1980 square foot.	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	2
Foundation Type	Basement with Plumbing	Water Supply	New Well	Desired Septic System Type	Modified Conventional
If other septic system type, please explain	Dont know what the PUMP SEPTIC SYSTEM fallS under	Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_ASSETS_JPG_11/3/2022.jpg	11/03/2022 8:08	JPG, ASSETS		Uploaded via CSS
Coddle Creek Soil Consulting. LLC_v1.pdf	11/07/2022 8:14	Comeaux, Debra	Available Online	Additional Supporting Information
Drincway_v1.pdf	11/07/2022 8:14	Comeaux, Debra	Available Online	Authorize to Act as Agent
Scanned Documents_v1.pdf	11/07/2022 8:14	Comeaux, Debra	Available Online	Authorize to Act as Agent
1207 OSWALT AMITY PERMIT 315202 PACKET.pdf	11/09/2022 8:32	Comeaux, Debra	Available Online	PERMIT 315202
1207 OSTWALT AMITY RD OSWP-2022-8524.pdf	11/10/2022 8:16	Comeaux, Debra	Available Online	SESSION LAW PACKET

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00004800	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00004800	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		11/10/2022 0:00	11/10/2022 9:06
Confirm application complete v.1	Generic Action		11/10/2022 9:06
Fees v.1		11/07/2022 0:00	11/09/2022 8:07
Issue Invoice v.1	Generic Action		11/07/2022 9:40
Fees Paid v.1	Generic Action		11/09/2022 8:07
~~**Zoning Review v.1**~~			11/07/2022 9:37
~~Iredell County Zoning Approval v.1~~	Task		11/07/2022 9:37

PERMIT SNAPSHOT REPORT (OSWP-2022-8524)

~~Issue Invoice v.1~~	Generic Action	11/07/2022 9:37
~~Fees Paid v.1~~	Generic Action	11/07/2022 9:37
Lot Readiness Verification v.1		
OSWP Septic Preliminary Site Visit v.1	Inspection	
OSWP Site Evaluation v.1	Inspection	
Issue Improvement Permit v.1		
Issue Invoice v.1	Generic Action	
Fees Paid v.1	Generic Action	
Issue Permit v.1	Generic Action	
Permit Completion Process v.1		
Authorization to Construct Permit v.1	Create Sub Permit	
Issue Authorization to Construct v.1	Generic Action	

County: IREDELL

This Section for Local Health Department Use Only

Initial submittal received: 11-28-2022 (Date) by BCW (Initials)

Permit Number: OSWP-2022-8524

G.S. 130A-335(a4) states the following: *'If a local health department fails to act on an application for an improvement permit submitted pursuant to subsection (a3) of the section within 10 business days of receipt of a complete application, the local health department shall issue the improvement permit.'*

In accordance with G.S. 130A-335(a3) the improvement permit application is:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

_____

_____

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Bryant C. White Date of Issuance: 11-30-2022

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 11-30-2027

See attached site sketch

County: IREDELL

This Section for Local Health Department Use Only

Initial submittal received: 11-14-2022 (Date) by BW (Initials)

Permit Number: OSWP-2022-8524

G.S. 130A-335(a6) states the following: *'If a local health department fails to act on an application for a construction authorization submitted pursuant to subsection (a5) of the section within 10 business days of receipt of a complete application, the local health department shall issue the construction authorization.'*

In accordance with G.S. 130A-335(a5) the construction authorization application is:

☑ Incomplete (If box is checked, information in this section is required.)

The following items are missing: LACKING SUPPORTING EVIDENCE FOR INSTALL, PREVIOUS INSTALL ATTEMPT NOT NOTED, UNABLE TO REFRENCE IF LINE TO BE REUSED

Copies of this were sent to the AOWE/PE and the Owner on 11-23-2022 (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Complete

State Authorized Agent: _____ Date of Issuance: _____

This Construction Authorization is issued pursuant to G.S. 130A-335(a2), (a5), and (a6) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner. Final landscaping shall be constructed to divert water and establish vegetative cover.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: _____

See attached site sketch

County: IREDELL

This Section for Local Health Department Use Only

Initial submittal received: 11-28-2022 (Date) by BCW (Initials)

Permit Number: OSWP-2022-8524

G.S. 130A-335(a6) states the following: *'If a local health department fails to act on an application for a construction authorization submitted pursuant to subsection (a5) of the section within 10 business days of receipt of a complete application, the local health department shall issue the construction authorization.'*

In accordance with G.S. 130A-335(a5) the construction authorization application is:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

_____

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Bryant C. White Date of Issuance: 11-30-2022

This Construction Authorization is issued pursuant to G.S. 130A-335(a2), (a5), and (a6) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner. Final landscaping shall be constructed to divert water and establish vegetative cover.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: 11-30-2027

See attached site sketch

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

November 2, 2022

Iredell County Environmental Health
Attention: Mr. Ben Botkins
349 Center Street
Statesville, North Carolina 28677

Subject: Recommended Wastewater Disposal System
1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Pin # 4761760512
Mitchell Slaggert, Owner

Enclosed you will find a copy of the wastewater disposal system proposed for Mitchell Slaggert. The property is located at 1207 Ostwalt Amity Road described as Pin # 4761760512. Attached are sealed soil notes as well as site plans and designs for the on-site wastewater disposal system. This design is submitted under Session Law 2022-11 (S372). Please review the enclosed document presented to you. Please contact me for concerns regarding the wastewater disposal system design.

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)." *

Owner: Mitchell Slaggert, Owner

Signature: _____

LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
STATE OF NORTH CAROLINA
11/2/22

"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)." *

Steve Cannon, LSS

Signature: _____

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Voluntary Relinquishment of Administrative Appeal Rights
(Completion of Form by Property Owner)

* 11-29-22 (Date)

* Owner: Mitchell Slagle
Address: 1207 Ostwalt Amity
Cleveland NC 27013

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specify Permit ID/owner's name/property location/site legal description):
1207 Ostwalt Amity, Cleveland 27013
PIN 4761658272
AP-315202

* I, Mitchell Slagle, voluntarily relinquish my rights to pursue a formal appeal through the Office of
(print full name)

Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on 4-27-21 (date) for a system Pump 25% (system name)

for the site will be "revoked" immediately by the authorized agent/local health department.

* _____
Signature of Property Owner

Central Office
318 Turnersburg Hwy
Statesville, NC 28625
704 878-5300

Mooresville Office
610 E. Center Avenue
Mooresville, NC 28115
704 660-3625

Environmental Health
349 N. Center Street
Statesville, NC 28677
704 878-5305 x3456

http://www.co.iredell.nc.us/Departments/Health/

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

November 2, 2022

Iredell County Environmental Health
Attention: Mr. Ben Botkins
349 Center Street
Statesville, North Carolina 28677

Subject: Recommended Wastewater Disposal System
1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Pin # 4761760512
Mitchell Slaggert, Owner

Enclosed you will find a copy of the wastewater disposal system proposed for Mitchell Slaggert. The property is located at 1207 Ostwalt Amity Road described as Pin # 4761760512. Attached are sealed soil notes as well as site plans and designs for the on-site wastewater disposal system. This design is submitted under Session Law 2022-11 (S372). Please review the enclosed document presented to you. Please contact me for concerns regarding the wastewater disposal system design.

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)." *

Owner: Mitchell Slaggert, Owner

Signature:

LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
STATE OF NORTH CAROLINA

11/2/22

"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)." *

Steve Cannon, LSS

Signature: Steve Cannon

County: Iredell

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4761760512

Issued To: Mitchell Slaggert

Property Location: 1207 Ostwalt Amity Road Cleveland,NC 27013

Subdivision: _____ Lot #: _____ Block: _____ Section: _____

LSS Report Provided: Yes [X] No [ ]

If yes, name and license number of LSS: Steven R. Cannon #1291

New [X] Repair [ ] Expansion [ ] System Relocation [ ]

Proposed Structure: House

Proposed Wastewater System Type: Accepted (Initial) Accepted (Repair)

Fill System: [ ] Yes [X] No If yes, specify: [ ] New [ ] Existing (When adding more than 6 inches of fill to system area please provide a fill plan)

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial): .25 Proposed LTAR (Repair): .25

Design Wastewater Strength: [X] domestic [ ] high strength [ ] industrial process

Number of bedrooms: 4 Number of Occupants: _____ Other: _____

Pump Required: [X] Yes [ ] No [ ] May be required based upon final location and elevations of facilities

Artificial Drainage Required: [ ] Yes [X] No If yes, please specify details: _____

Type of Water Supply: [X] Private well [ ] Public well [ ] Municipal supply [ ] Spring [ ] Other: _____

Drainfield location meets requirements of Rule .1945: Yes [X] No [ ]

Drainfield location meets requirements of Rule .1950: Yes [X] No [ ]

Permit valid for: [X] Five years (site plan submitted pursuant to GS 130A-334(13a)) [ ] No expiration (plat submitted pursuant to GS 130A-334(7a))

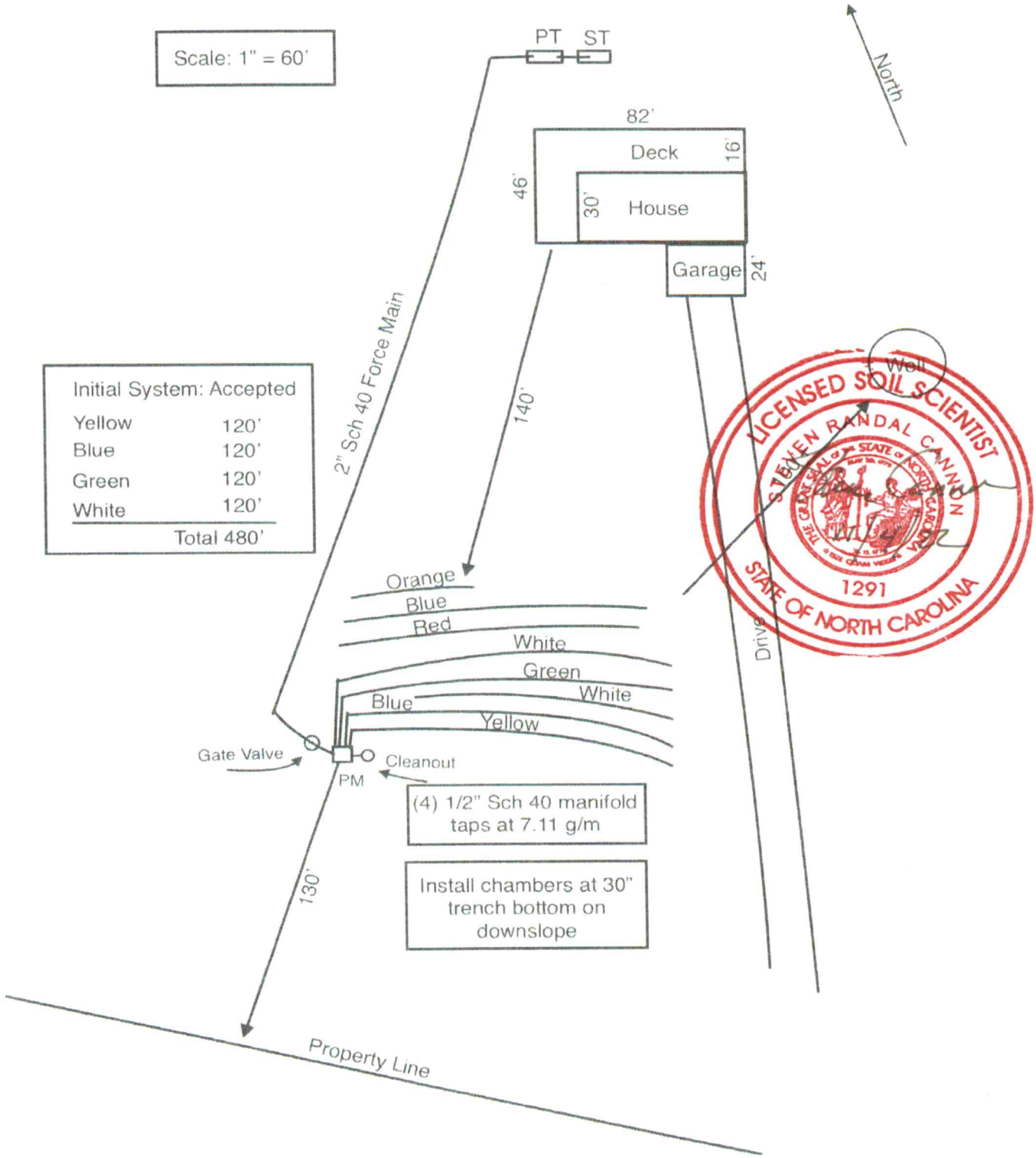
Permit conditions:

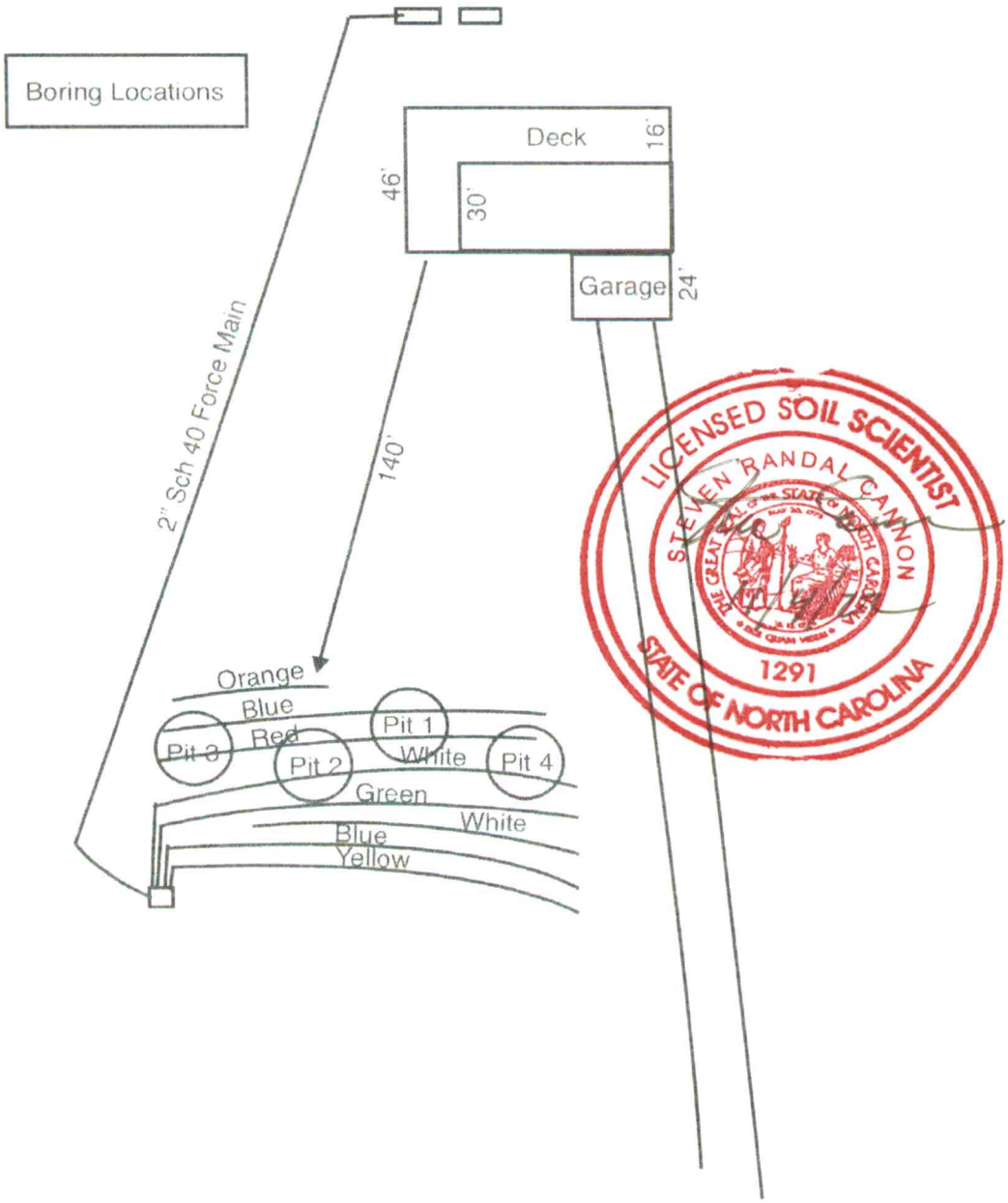
Licensed Soil Scientist Print Name: Steven R. Cannon

Licensed Soil Scientist Signature: Steven R. Cannon Date: 11/2/22

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch


Scale: 1" = 60'
PT
ST
North
82'
Deck
16'
46'
30'
House
Garage
24'
Well
2" Sch 40 Force Main
140'
Initial System: Accepted
Yellow 120'
Blue 120'
Green 120'
White 120'
Total 480'
LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA
Orange
Blue
Red
White
Green
White
Blue
Yellow
Drive
Gate Valve
Cleanout
PM
(4) 1/2" Sch 40 manifold taps at 7.11 g/m
Install chambers at 30" trench bottom on downslope
130'
Property Line


Boring Locations
Deck
16'
46'
30'
Garage
24'
2" Sch 40 Force Main
140'
Orange
Blue
Red
Pit 1
White
Pit 2
Pit 3
Pit 4
Green
White
Blue
Yellow
LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA

Design Specifications for Proposed Wastewater Systems

Applicant: Mitchell Slaggert
Property Address: 1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Tract 2B
Parcel ID # 4761760512
Acres: 31.88
Iredell County, North Carolina

Source of Water Flow	4 Bedroom House
Source of Water	Private Well
Wastewater Treatment Systems	Accepted/Horizontal PPBPS
Septic Tank	1000 gallons
Pump Tank	1000 gallons
Estimated Daily Flow: Initial	480 gallons/day
Loading Rate	.25 g/d/sq.ft.
Drainfield Size	480 feet Accepted
Slope	11 percent
Slope Correction	4 inches
Trench Bottom Depth	30 inches on downslope
Distribution Device	Pressure Manifold
Loading Rate : Repair	.25 g/d/sq.ft
Drainfield Size	320 feet Horizontal PPBPS
Slope	12 percent
Slope Correction	5 inches
Trench Bottom Depth	30 inches on downslope
Distribution	LPP

Nitrification Lines Elevation and Length

Applicant: Mitchell Slaggert
Property Address: 1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Tract 2B
Parcel: 4761760512
Acres: 31.88
Iredell County, North Carolina

Initial

Line	Flag Color	Line Elevation	Flagged Length	Design Length
1	Yellow	3.64'	120'	120'
2	Blue	4.66'	120'	120'
3	Green	6.43'	120'	120'
4	White	7.62'	120'	120'
			Total: 480'	Total: 480'

Repair

Line	Flag Color	Line Elevation	Flagged Length	Number of Panels
1	White	2.22'	94'	22
2	Red	5.93'	100'	23
3	Blue	7.54'	95'	22
4	Orange	8.87'	31'	7
			Total: 324'	Total: 74

Design Calculations for Wastewater System

Applicant: Mitchell Slaggert
Property Address: 1207 Ostwalt Amity Road
Cleveland, North Carolina 27013
Tract 2B
Parcel ID : 4761760512
Acres: 31.88
Iredell County, North Carolina

Source of Wastewater Flow	4 Bedroom House
Estimated Daily Flow	480 gallons/day
Wastewater Treatment Systems	Accepted/Horizontal PPBPS
Dosing Volume	218.4 gallons
Estimated Supply Length	280 feet
Supply Line Diameter	2 inch Sch 40 PVC
Supply Line Volume	48.72 gallons
Anti-Siphon Hole	Yes 3/16"
Distribution Device	Pressure Manifold
Pressure Head	2 feet
Friction Loss	4.26 feet
Elevation Head	12 feet
Total Dynamic Head	18.26 feet
Pump Tank Drawdown (may vary)	20.16 gallons per inch
Gate Valve	In tank
Check Valve	2 (1 in tank) (1 at manifold)
Threaded Union	In tank

Manifold Taps	(4) 1/2" Sch 40 taps @ 7.11 g/m
Total Flow Through Orifices	28.44 g/m
Pump Time to Dose 218.4 gallons	7m 40s
Pump Time to Dose 480 gallons	16m 52s
Pump Block	4 inches
Pump Height	12 inches
Approximate Gallons at 16 inches in Pump Tank	322.56 gallons
Gallons between float on and alarm on	120.96 gallons
Tank Draw Down	10.83" or 10 13/16"
Pump Float On	26 13/16" off tank bottom
Alarm On	32 13/16" off tank bottom
Storage After Alarm Sounds	338 gallons (16.9 hrs.)

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: Mitchell Slaggart
ADDRESS: mslaggart@gmail.com
PROPOSED FACILITY: House
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 1207 Ostwalt Amity Rd
APPLICATION DATE:
DATE EVALUATED: 11/4/22
PROPERTY SIZE: 31+/-
PROPERTY RECORDED:

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1946 RESTR HORIZ	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 10%	0-10"	Sk gr	NS np		43"			PS .25
		10-27"	C sbk	sp fi smp					
		27-43"	CL wssbk	sp hi smp					
		43"	L m sap						
2	L 10%	0-6"	Sk gr	NS np		43"			PS .25
		6-18"	C Abk	sp fi smp					
		18"-43"	Ch wssbk	sp hi smp					
		43"	L m sap						
3	L 11%	0-5"	Sk gr	NS np		51"			PS .25
		5-9"	Ch wssbk	sp fi smp					
		9-30"	CL wssbk	sp hi smp					
		30-51"	Ch wssbk	sp hi smp					
4	L 11%	0-3"	Sk gr	NS np		57"			PS .25
		3"-7"	Ch wssbk	sp hi smp					
		7"-40"	C ssbk	sp hi smp					
		40-57"	Ch wssbk	sp hi smp					

LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
STATE OF NORTH CAROLINA
1291

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	✓	✓
System Type(s)	Accepted	H. PPBPS
Site LTAR	.25	.25

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

COMMENTS: Redraw Reevaluation. Original two upper initial lines installed 7-36"