ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

PERMIT # AP 318734

PIN # 4629 --80 --2883

APPLICANT/OWNER: Mike Palmer Homes

APPLICANT ADDRESS: 6211 Denver Industrial Denver NC 28037

SITE ADDRESS: 787 Morrison Farm Rd Troutman NC 28166.

PHONE: 704-426-7646

ALT. PHONE -

SITE DIRECTIONS: Old Mtn Rd to Mantos Rd (L) Hickscreek (R) State Park (R) Morrison Farm on Left

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Morrison Point

SECTION: - LOT # 2 LOT AREA: .53 Ac

DESIGN FLOW: 360 L.T.A.R.: .30

Septic Tank 1000 (gal)	STB STOAF 760	Date	☐ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence
Pump Tank (gal)	PT	Date	System Description: Horizontal PPBS - 50% Reductn		☐ Business
Pump Make	Model	Serial #	Repair System Description: Exempt		☐ Other
# Nitrification Fields 1	# Lines 4	Linear Ft 200	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab
Trench Width 36 in.	Trench Bottom Depth (Low side) 30 in max	Gravel Depth -	☒ GRAVITY ☐ PRESSURE		☐ Basement w/ plumbing

No. Bedrooms 3 | No. Persons 6 | No. Employees | ☒ Crawl Space | ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions:

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:

Cobble Creek Soil Consulting

LSS # 1291 Dated May 14, 2021

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.

- New permit required - Lines changed
- Need to verify Trench Bottom once final grading done
- Need to mark prop. lines & buffer, verify setbacks

See attached rough sketch

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: [signature] Date: 7/7/21 Installed by: Sipe

IMPROVEMENT PERMIT by: [signature] Date: 6/22/2021 OPERATION PERMIT by: Date:

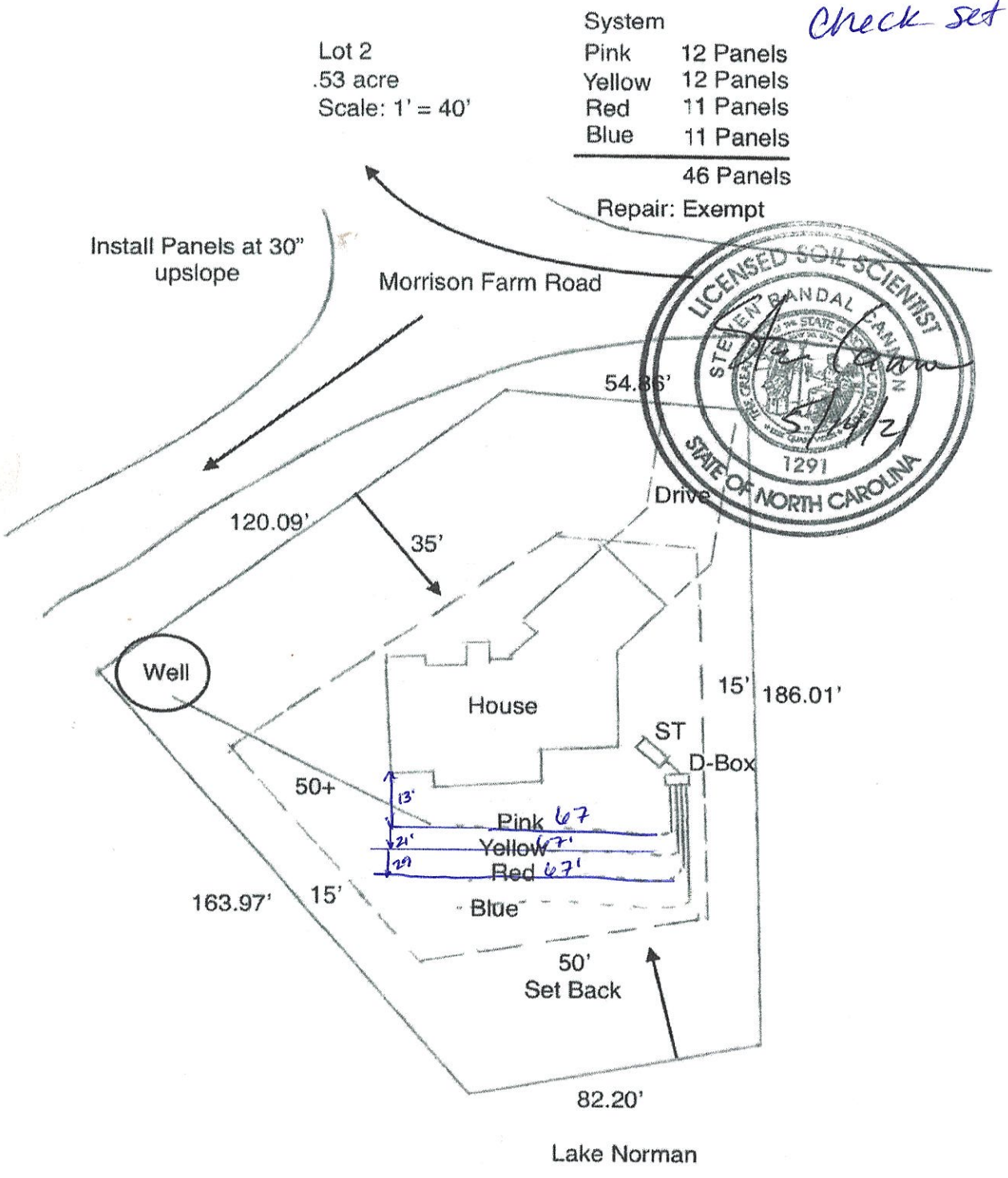
AUTHORIZATION TO CONSTRUCT by: [signature] Date: 6/22/2021 Existing System Inspected by: Date:

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

Item	Date	Initials
Drain Lines Checked	9/29/22	DW
Tanks Checked	9/29/22	DW
Pressure Manifold or Valve Box Checked D-Box	9/29/22	DW
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments: Verify Trench Bottom	8/18/22	CW
Verify Setbacks	8/18/22	CW

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

As Built - verify w/ new permit, check set backs



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

May 14, 2021

Iredell County Environmental Health
349 North Center Street
Statesville, North Carolina 28677

Subject: Recommended Wastewater Disposal System
Parcel ID: 4629802883
787 Morrison Farm Road
Troutman, North Carolina 28166
Franktisek and Jitka Sustrova, Owners

Enclosed you will find a copy of the wastewater disposal system proposed for the Sustrova's. The property is located at 787 Morrison Farm Road described as Lot 2 Parcel ID: 4629802883. 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. 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."

Owners: Franktisek and Jitka Sustrova

Signature:

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

Steve Cannon, LSS

Signature:

LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA

5/14/21

Information for Installers, Contractors and Other Interested Parties

Follow all rules and regulations as set forth by the state of North Carolina regarding installation of septic systems 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.

Remove trees by cutting at ground level. Do not dig out stump if at all possible.

Do not grade or skim area of septic system. Leave this area alone as is.

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.

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 approval or local county environmental health.

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

Design Specifications for Proposed Wastewater Systems

Applicant: Frantisek and Jitka Sustrova
787 Morrison Farm Road
Troutman, North Carolina 28166
Pin # 4629802883
Lot: 2
Acres: .53
Iredell County, North Carolina

Source of Water Flow	3 Bedroom House
Wastewater Treatment Systems	Horizontal PPBPS
Source of Water	Private Water
Septic Tank	1000 gallons
Estimated Daily Flow	360 gallons/day
Loading Rate	.3 g/d/sq.ft.
Drainfield Size	200 feet
Number of Panels	46 panels
Distribution	D-box
Trench Bottom Depth	30 inches on upslope
Slope	17 percent
Slope Correction	6 inches
Repair Area	Exempt

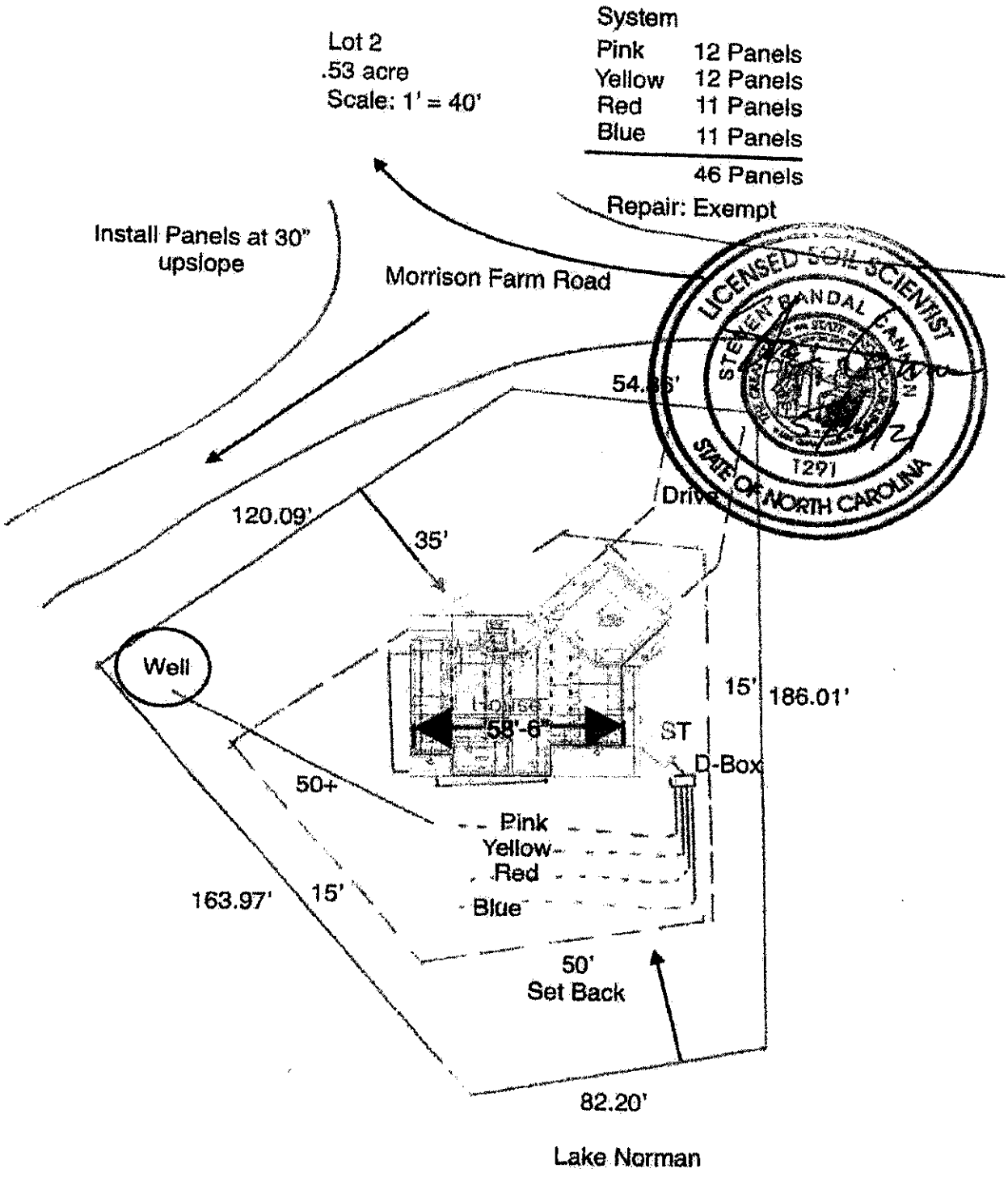
Nitrification Lines Elevation and Length

Applicant: Frantisek and Jitka Sustrova
787 Morrison Farm Road
Troutman, North Carolina 28166
Pin # 4629802883
Lot: 2
Acres: .53
Iredell County, North Carolina

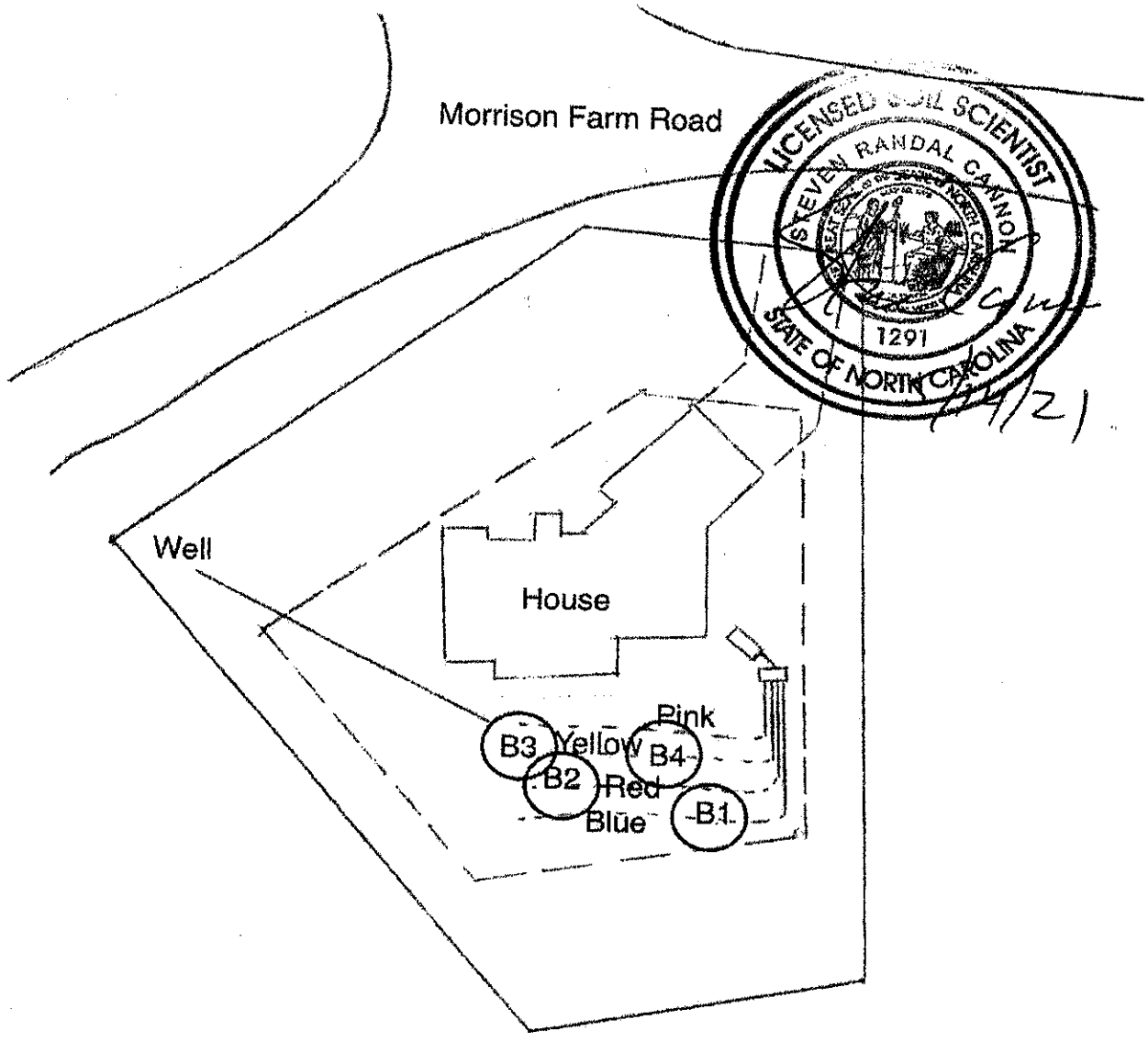
Initial

Line	Flag Color	Line Elevation	Flagged Length	Number of Panels
1	Blue	8.125'	50'	12
2	Red	6.20'	50'	12
3	Yellow	4.62'	50'	11
4	Pink	2.95'	50'	11
			Total 200'	Total 46

Repair: Exempt


Lot 2
.53 acre
Scale: 1' = 40'
System
Pink 12 Panels
Yellow 12 Panels
Red 11 Panels
Blue 11 Panels
46 Panels
Repair: Exempt
Install Panels at 30" upslope
Morrison Farm Road
LICENSED SOIL SCIENTIST
STEVEN RANDAL EANNOTTA
1291
STATE OF NORTH CAROLINA
54.46'
Drive
120.09'
35'
Well
HOUSE
58'-6"
15'
186.01'
ST
D-Box
50+
Pink
Yellow
Red
Blue
163.97'
15'
50'
Set Back
82.20'
Lake Norman

Boring Locations



Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: Iredell

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

P.W # 4629802883

OWNER: Frantisek + Jitka Sustrova
ADDRESS: ____ APPLICATION DATE ____
PROPOSED FACILITY: Home PROPOSED DESIGN FLOW (.1949): 3bp DATE EVALUATED: 3/29/21
LOCATION OF SITE: 787 Morrison Farm Rd Troutman PROPERTY SIZE: 53
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other ____ PROPERTY RECORDED: ____
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 17%	0-8"	CL wsbk	s p fi					PS .3
		8"-55"	C sbk	s p fi					
2	L 17%	0-9"	C wsbk	s p fi		48"			PS .3
		9-48"	C sbk	s p fi					
3	L 17%	0-10"	C wsbk	s p fi		51"			PS .3
		10"-51"	C sbk	s p fi					
4	L 17%	0-8"	CL wsbk	s p fi		56"			PS .3
		8-56"	C sbk	s p fi					

CERTIFIED SANITARIAN — STATE OF NORTH CAROLINA — 1291

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

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

COMMENTS: ____