BLDR - 2024 - 44421

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 325892

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

PIN # 4774 --25 --1540

APPLICANT/OWNER: Gerald Sanchez APPLICANT ADDRESS: 2226 Laurens Drive Concord NC 28027

SITE ADDRESS: 504 New Salem Rd Statesville NC PHONE: 704-885-4470 ALT. PHONE -

SITE DIRECTIONS:

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: New Salem Estates SECTION: 1 LOT # 5 LOT AREA: .574 DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	760	Date	3-24-2024	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank	(gal)	PT		Date		System Description: Gravity-50% Reduction PPBPS-Horizontal		☐ Business	No. Persons 8
Pump Make		Model		Serial #		Repair System Description: LD-PPBPS-50% Reduction		☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft	268	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36in	Trench Bottom Depth (~~Low side~~)	34in high.	Gravel Depth	-	☒ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions:

INITIAL SITE SKETCH

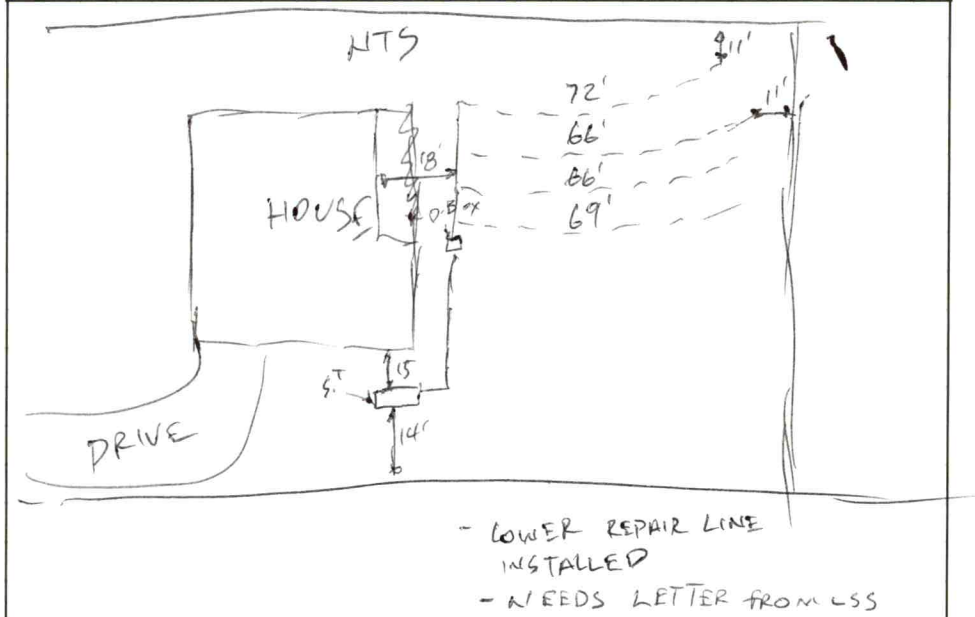
This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Thompson Environmental Consulting, Inc.

LSS # 1287 Dated Feb 19, 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.



- LOWER REPAIR LINE INSTALLED
- NEEDS LETTER FROM LSS

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: 21/09/22 Installed by: FRYE GRADING

IMPROVEMENT PERMIT by: Benjamin A Bott Date: 3/1/22. OPERATION PERMIT by: Burgett C. White Date: 5-23-2024

AUTHORIZATION TO CONSTRUCT by: Benjamin A Bott Date: 1/3/24 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		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

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? _____	

AGENT AUTHORIZATION FORM

PROPERTY LEGAL DESCRIPTION:

LOT NO. 5 **PHASE** _____ **PARCEL ID:** 4774251540.000

STREET ADDRESS: 504 New Salem Road (New Salem Estates)
Statesville, NC 28625

Please print:

Property Owner: Gerald Sanchez

Property Owner: _____

The undersigned, registered property owners of the above noted property, do hereby authorize

Larry Thompson, LSS, of Thompson Environmental Consulting, Inc.
(Contractor / Agent) (Name of consulting firm)

to act on my behalf and take all actions necessary for the processing, issuance and acceptance of this permit or certification and any and all standard and special conditions attached.

Property Owner's Address (if different than property above):
2226 Luarens Dr., Concord, NC 28027

Telephone: 704-885-4470

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.

The LSS evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with Session Law 2018-114 Section 11. (c).

Owner Signature:
Gerald Sanchez (Feb 19, 2022 16:13 EST)

Date: Feb 19, 2022

Owner Signature: _____

Date: _____

Residential Subsurface Wastewater Treatment and Disposal System Proposal

for

Lot 5 – New Salem Estates
504 New Salem Road
Statesville, NC 28625

Tax Parcel Number: 4774251540.000
February 19, 2022

Prepared for:

Gerald Sanchez
2226 Luarens Dr.
Concord NC 28027
704-885-4470



Prepared by:

Larry Thompson, REHS, LSS
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
Phone: 704-301-4881
larry@thompsonenv.com



Details

The following wastewater treatment and disposal system proposal is submitted to Iredell County Environmental Health (ICEH) at the request of Mr. Gerald Sanchez. Mr. Sanchez proposes to construct a new 4-bedroom single family residence on Lot 5 – New Salem Estates, 504 New Salem Road, Statesville, North Carolina. The residence will be served by a public water supply.

Based upon a soil and site investigation performed by Thompson Environmental Consulting, Inc. (TEC), as well as a separate evaluation performed by TEC, it has been determined that there is a sufficient amount of "Suitable" Group IV soils available for the installation of a **Gravity-Flow Prefabricated Permeable Block Panel System (PPBPS)** at a 0.3 GPD/sq. ft. long-term acceptance rate (LTAR) for the 4-bedroom residence. The proposed repair system would be a PPBPS with low-pressure distribution.

The enclosed Licensed Soil Scientist Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11. (c).

Location

From Statesville, take US-64 East to New Salem Road. Turn right onto New Salem Road and the property will be located on the right in 1.6 miles.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 1, 2017.

Design, Installation and Maintenance of the T & J Panel Wastewater Treatment System; Sixth Edition, published by T & J Panel.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208
NC Licensed Soil Scientist No. 1287
SC Professional Soil Classifier No. 111
NC Subsurface Septic System Operator No. 22199
NC Grade IV Wastewater System Installer/Inspector No. 1762/17621

This proposal is for a gravity flow horizontal pre-fabricated permeable block panel systems meeting the minimum setbacks for this lot. Exceptional care should be taken to protect the drainfield area from all forms of encroachment throughout the life of the project. TEC recommends protecting the system area with orange barrier fencing.

Plumbing from the house must be held high to prevent the need for a pump.

Plans and Specifications

A. Septic Tank

1. The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound, and 1,000 gallons in capacity (minimum).
2. The septic tank will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

B. Pipes and Fittings

1. All discharge piping, connectors and supply lines should be made of SCH 40 PVC.
2. All joints must be properly "welded" utilizing the appropriate PVC cement for each application.

C. Distribution Method

1. Individual drainlines shall be evenly fed via a distribution box.
2. Distribution box shall be water tested for equal flow at the time of the final inspection.

D. Backfill

1. Backfill sand shall be clean, washed, medium sand that is naturally occurring and falls within the gradation of ASTM C-33 specification (used in the ready-mix industry and is readily available). Properly compact backfill to provide the intended subgrade support.

E. Drainfield Installation

1. The drainfield and the proposed septic tank location have been marked on-site utilizing metal stemmed flags. Once this area has been approved by the county, the property owner/builder should mark this area and isolate it as much as possible from construction traffic. Prior to the system installation, the septic

contractor shall contact the designer for a preconstruction conference at which time the drainfield area will be re-verified.

2. Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition. If the installer has doubts as to whether or not the drainfield area is dry enough to begin construction, the environmental health specialist for this area should be contacted for permission to proceed with the installation.
3. The specified system is a Type V(e) pre-fabricated permeable block panel system – specifically the horizontal prefabricated permeable block panel system manufactured by T&J Panel Wastewater Treatment System, Patent No. 4013559; telephone: 1-800-222-2577. The installer must follow the manufacturer's guidelines for installing the T&J Panel System and should request an installation manual from the manufacturer prior to beginning construction.
4. The initial drainfield consists of four (4) laterals constructed 2-feet wide by 67-feet in length.
5. It is essential that the lateral trenches be constructed on contour with the land, with each trench being excavated level from beginning to end. The use of a tripod mounted engineer's level is essential to assure that each trench is constructed as level as possible.
6. The maximum trench depth for this system shall be **34-inches (high-side)**. Each trench shall be placed on a minimum of 8-foot on centers.
7. Once trenches are dug, the side walls shall be raked, and a light dusting of lime applied.
8. Backfill the trench with 7-inches of sand and level to grade properly compacted to intended subgrade support. Once leveled, place 1 x 4 or 6-inch boards on top of the sand the entire length of each trench. Once the grade boards have been set, the panels may be set into the trench. The panels should be placed 6 inches apart.
9. Once the panels have been set, line the top portion of each chamber with the T&J supplied sand alternative product (SAP – geotextile fabric). GE Foam Sealer or tar seal rope should be placed in the bottom of the "U" outs to form seals around the pipe as shown in earlier drawings.
10. Tar seal rope, or approved foam, should be placed in the "U" outs of each end of the panel to form seals. Once the tar rope is in place, the 1¼ inch Schedule 40 PVC connectors can be added, and the seal completed by the addition of more tar rope on the top and sides of the pipe. Now that the connection and seals are complete, a block cap is placed on each end of the panel so that all openings are covered.
11. Once the lateral has been installed and the panels closed, the trench is ready to be backfilled to the top with the sand used in the trench bottom. At this point, the trenches should be left open for the final inspection by the local health department.

F. Final Landscaping

1. The drainfield shall be shaped to shed rainwater and be free from low spots.
2. Minimum cover requirement over the drainfield area is 6-inches.

3. The entire area of the drainfield should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

G. Utility/Drive Conflicts

1. The builder and property owner must take special care in planning for utilities (water, power, gas, telephone, cable lines, etc.). All utilities shall be kept clear of the septic system and its proposed repair area. Improper planning for underground utilities can negatively impact the installation and, in some cases, cause irreparable damage and permit revocation.
2. Water lines must be kept at least ten (10) feet from any portion of the septic system.
3. Irrigation systems should not be placed in the drainfield area.
4. The builder must also take special care in planning for a drive into the property. The driveway must be installed along the property sideline to allow enough clearance for the proposed repair drainlines. The driveway must be constructed at-grade without cuts or excavations.
5. The entire drainfield area shall be delineated with orange barrier fencing throughout the construction process to protect it from unnecessary encroachment.

Maintenance

H. In General

1. The homeowner must maintain the drainfield area through periodic mowing. The drainfield must not be allowed to become overgrown.
2. The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 25 percent of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
3. Use of a garbage disposal is not recommended. Solids added through the garbage disposal tend to degrade at a very slow rate.
4. Grease, cooking oils, coffee grounds and non-degradable solids (disposable diapers, cigarettes, and solid paper wastes) should never be put into a septic tank.
5. Used motor oil or any oily liquids should not be disposed of in a septic tank.
6. Be aware of the amount of water that you are using in your home. Water saving fixtures and devices can be installed on sinks, toilets, and showers to reduce the volume of wastewater that you are sending to your drainfield.
7. Run dishwashers and washing machines only when you have a full load.
8. Repair leaky faucets and toilets. Small drips equal large volumes of water over time and can over burden your drainfield.
9. Do not use chemical additives in your system. Studies have indicated that they do not increase the biological activity that naturally occurs in the septic system and

in some cases certain additives have been found to be detrimental to the life of a system.

Design Specifics

Daily Design Flow:	480 GPD
Septic Tank Size:	1,000 Gallons
Effluent Loading Rate:	Design = 0.3 GPD sq. ft. (50 % reduction - PPBPS)
Drainfield Type:	PPBPS
Number and Size of Drainlines:	(4) 3' Wide x 67' Long
Maximum Trench Depth:	34 Inches (high-side)
Drainline Spacing:	8 Foot on Centers
Total Length of Drainline:	268 Feet
Total Number of Panels:	60

Repair Specifics

Effluent Loading Rate:	Design = 0.3 GPD sq. ft. (50 % reduction - PPBPS)
Drainfield Type:	PPBPS
Distribution Method:	Pressure Distribution
Required Linear Footage:	267 Feet
Available Linear Footage:	310 Feet
Maximum Trench Depth:	34 Inches (high-side)

*See septic layout for site locations and additional details.

PPBPS Design Worksheet

File #:
Tax #: 4774251540
Address: 504 New Salem Road
Statesville, NC 28625
Consultant: Larry Thompson
Phone: 704-301-4881

Reviewed By:
Date:

System Requirements

Design Flow	480	gpd
LTAR	0.300	gpd/ft.^2
Linear footage	533	ft. (conventional)
Linear footage	300	ft. (PPBPS BED)

Design Layout

Laterals	Length (ft)	# Panels
Line # 1	67	15
Line # 2	67	15
Line # 3	67	15
Line # 4	67	15
Line # 5		
Line # 6		
Totals	268	60

Absorption Area

Length (ft)	Width (ft)	Area (ft^2)
268	3	804

T & J Panels	
Linear Feet	# Panels
50	11
60	14
70	16
80	18
90	21
100	23

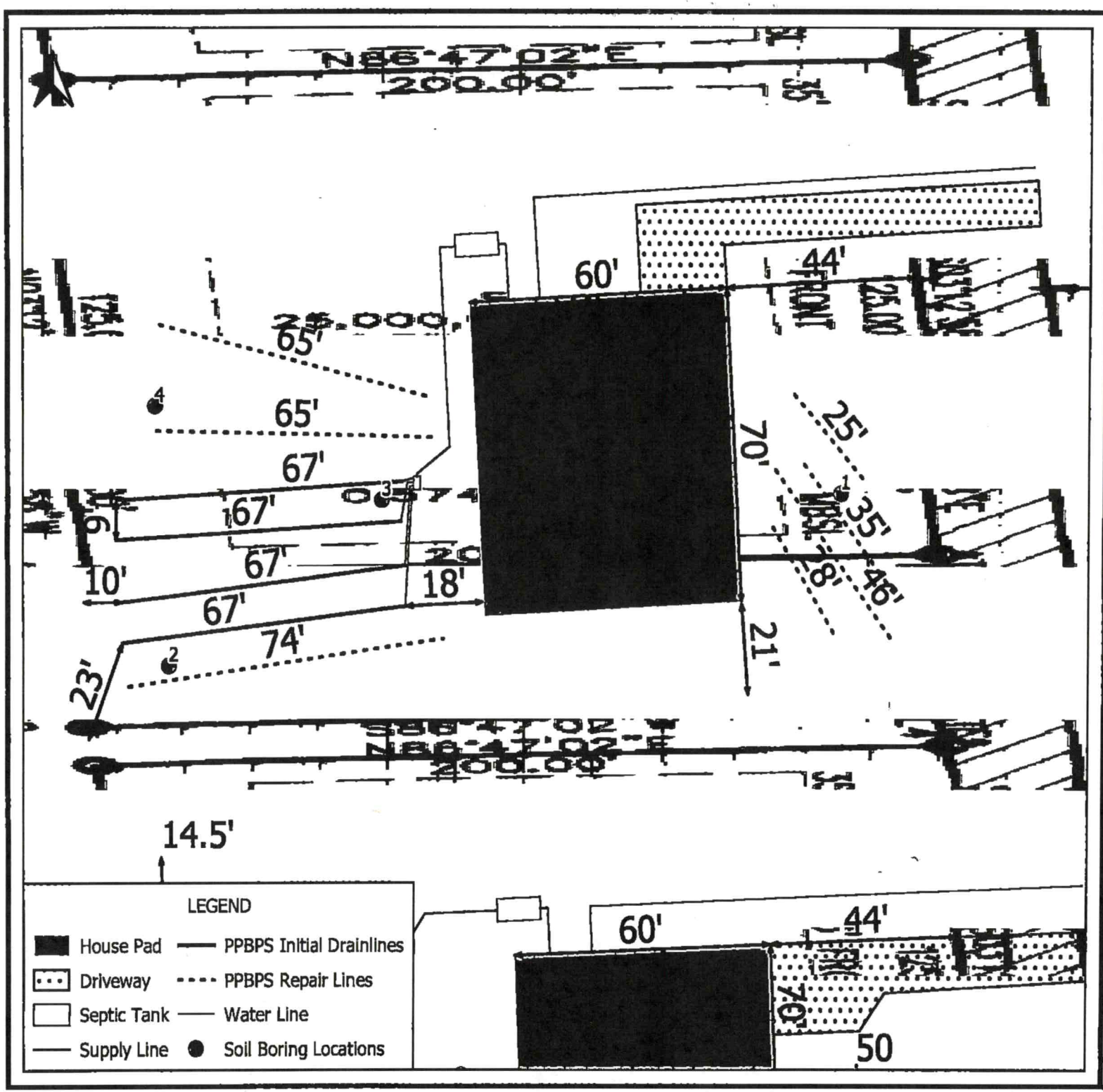


FIGURE 1

Prepared For:

Gerald Sanchez

Soil and Site Evaluation

Lot 5 - New Salem Estates
504 New Salem Road
Statesville, NC 28625

Iredell County

Scale:
0 15 30 ft

TEC Job No.
22-32

Date:
February 2022

Thompson Environmental Consulting
WATER • WASTEWATER • WETLANDS

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

PROPERTY ID #: 4774251540.000
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Govemale
ADDRESS: 887 Church Lake Road, Statesville, NC 28625
PROPOSED FACILITY: Res. PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 504 New Salem Road, Statesville, NC 28625

DATE EVALUATED: 9-7-21
PROPERTY SIZE: 0.574
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	.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%	0-7	GR/CL	FR/SS/SP/SEXP		48"			PS 0.3
		7-48	SBK/C	FI/S/P/SEXP					
2	LS 5%	0-6	GR/CL	FR/SS/SP/SEXP		48"			PS 0.3
		6-48	SBK/C	FI/S/P/SEXP					
3	LS 5%	0-6	GR/CL	FR/SS/SP/SEXP		48"			PS 0.3
		6-48	SBK/C	FI/S/P/SEXP					
4	LS 5%	0-8	GR/CL	FR/SS/SP/SEXP		48"			PS 0.3
		8-48	SBK/C	FI/S/P/SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	0.3	0.3
Site LTAR	PPBPS	PPBPS

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Provisionally Suitable
EVALUATED BY: Larry Thompson, LSS
OTHER(S) PRESENT:

LICENSED SOIL SCIENTIST LARRY THOMPSON, JR. NORTH CAROLINA

Valuation is being submitted pursuant to an

4

BB

S.L.

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

RECEIVED FEB 2 1 2022

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM*

AP-325892 $500.00

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)**

Applicant Name: GERALD SANCHEZ **Address:** 2226 LAURENS DR, CONCORD NC **Zip:** 28027

Applicant Email: gerald16san@gmail.com **Phone:** 704-885-4470 **Alt. Phone:** _____

Owner Name: LEO AND BECKY BOVERHATE **Address:** 887 CHURCH LAKE ROAD, STATESVILLE NC **Zip:** 28625

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 504 NEW SALEM RD

Subdivision Name: NEW SALEM ESTATES **Section/Phase:** 01 **Lot Number:** 5

Driving Directions: _____

Site Development Information: ***(check or complete ALL that apply***

CHECK FOUNDATION TYPE

(X) New Single Family Residence — Maximum Number of Bedrooms: 4 — (X) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 4 — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: _____ — ( ) Basement without Plumbing
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

( ) New Well ( ) Existing Well ( ) Community Well ( ) City Water (X) Other Public Water

Desired Septic System Type: ***(you may rank in order of preference)*** Year existing system installed: _____
(X) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:
( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

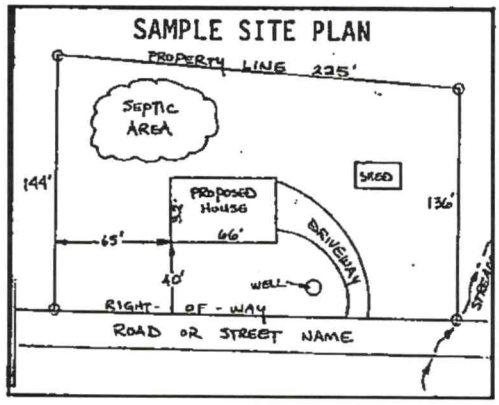
Signature: _____ 02/20/2022
Property owner or owner's legal representative signature **(SIGNATURE REQUIRED)** **DATE**

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*



Place an (X) beside each item as you complete the site plan:

- ( ) **Property Line measurements are clearly identified**
- ( ) **All proposed structures are indicated**
- ( ) **Front and side setbacks from property line**
- ( ) **Preferred driveway location and well location**
- ( ) **Area you prefer your septic system to be placed**
- ( ) **North arrow, or other sufficient indicator of direction**

Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	**N/A**
Location of easements and rights of ways on your property	**N/A**
Location of any designated wetlands on the property	**N/A**

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See attached

Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

02/20/2022.

DATE

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	HFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

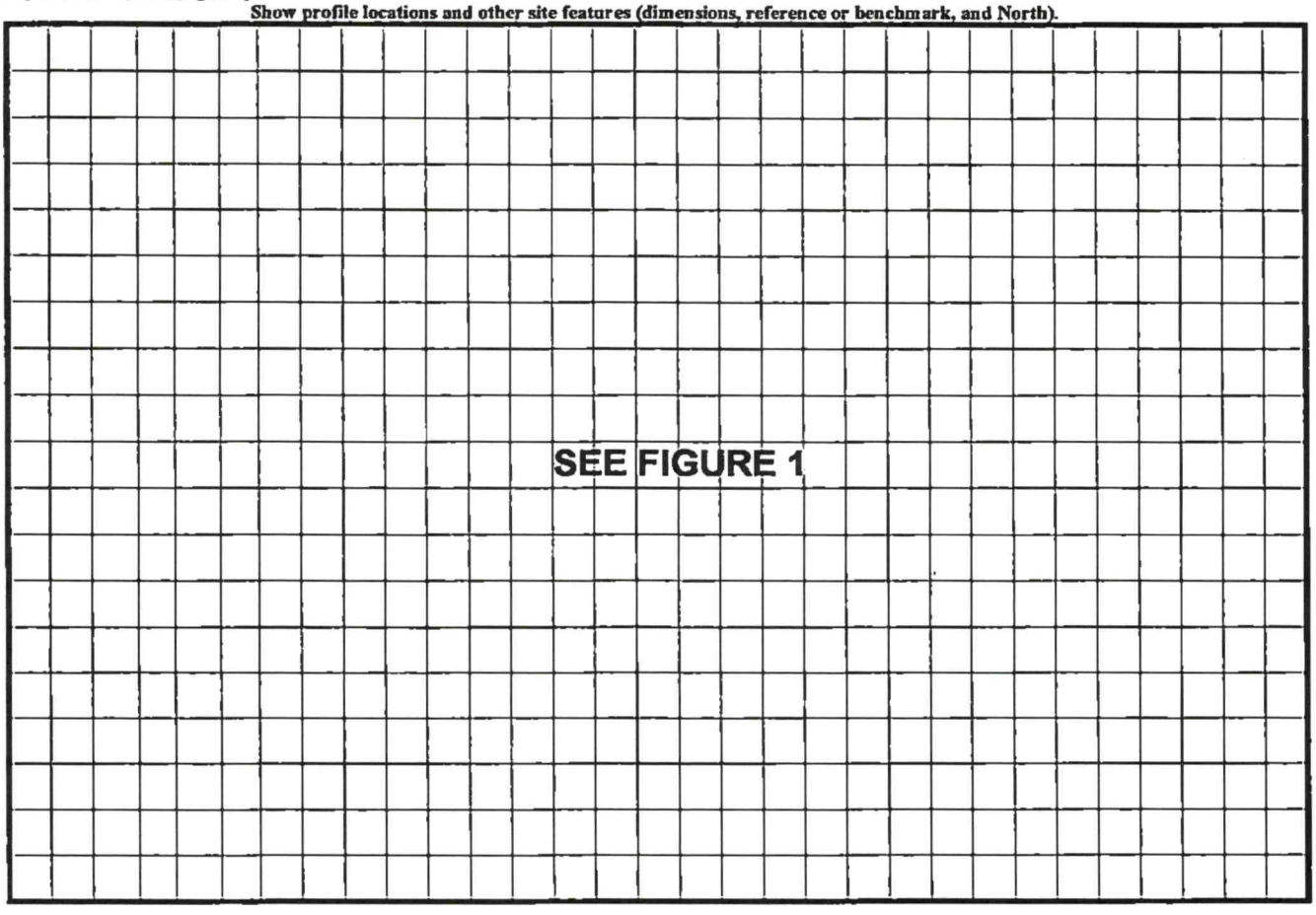
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



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

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☐ **1. * APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative: *Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship* In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:
Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form. If there are multiple property owners, then all property owners must sign the form that designates a legal representative.
By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

☐ **2.** I, LEO AND BECKY GOUGENHEIM, am the legal owner(s) of the property located at 504 NEW SALEM ROAD. STATESVILLE NC. 28625., identified as PIN (Parcel Identification Number) 4774251540.00, located in Iredell County, North Carolina.

I do hereby authorize **(print legal representative/company name)** GERALD SANDER., _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

_____ 02/21/2022.
Signature of Owner(s) Date

Mooresville - Environmental Health

Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

***** Initial all lines below to indicate you have submitted each form and completed every site requirement *****

SK **Complete all Environmental Health forms:**

- SS Application
- SS Site Plan including the dimensions of proposed structure, addition, pool etc.
- SL Documentation to Authorize Owner Agent (even if the property owner is the applicant – complete section 1 or 2)
- SL Copy of Zoning Permit when applicable
- SL Sign this sheet after you have completed all items

SL **Lot must be cleared of heavy undergrowth.** In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with 50 feet of visibility in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

SL **Clearly mark all property corners by locating existing iron or concrete markers.** Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only). 'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged.**

SL **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted.** The propose structure, etc. must be staked out on the property as per the site plan.

SL **If an Authorization to Construct (AC) is desired,** submit a recorded copy of the plat for newly created or subdivided lot(s) an a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application. *Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are nonrefundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.*

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.

- **All utilities shall be marked before pits are dug. Call NC 811 for this service.**
- The applicant/agent is responsible for securing these services
- Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.
- The EH specialist will contact you when your application is ready to be processed for pit scheduling.
- Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.

By signing below, I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature _____ **Date** 02/21/2022

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
325892
Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4774251540.000	504 NEW SALEM RD	Iredell County

Owner Information	Applicant Information
Name: GOVERNALE LEO L+BECKY M	Name: GERALD SANCHEZ
Address:	Address: 2226 LAURENS DR
	CONCORD , NC 28207
Phone:	Phone: (704)885-4470

Use Requested	Zone Code
Single Family Dwelling	R20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.574	35	35	15	15	N/A	NO

Remarks
SFD

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Date: 02/21/2022

Signature of Owner/Contractor

Permit Number	325892	TOTAL FEES:	$77.25