#12957

1/338B 15 MAR '22 AM 9:25

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ◉ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 139-057-30
STREET ADDRESS: 8010 Allenwick Circle
CITY: Mint Hill
STATE: NC **ZIP:** 28227
SUBDIVISION NAME: Glencroft - Phase II
LOT #: 18 **LOT SIZE (acres):** 0.75
TOWNSHIP:

○ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ◉ MINT HILL

4. BUILDING INFORMATION:

BUILDING TYPE:

○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER _____

HEATED SQUARE FOOTAGE: 2,500
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 6
FOUNDATION TYPE:

○ CONCRETE SLAB ◉ BASEMENT WITH PLUMBING
○ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ◉ MUNICIPAL ○ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. PROPOSED USE OF WELL: ◉ N/A ○ IRRIGATION ○ POTABLE (DRINKING WATER) ○ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED):*

☐ N/A ☑ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. RANK: ____ ____ ____ ____ ____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ◉ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ◉ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ◉ NO	JURISDICTIONAL WETLANDS	○ YES ◉ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ◉ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ◉ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ◉ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ◉ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ◉ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ○ NO
WASTE STORAGE	○ YES ◉ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ◉ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____ ☑ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☑ N/A

12. PROPERTY OWNER:

NAME: Summit Building Group (recent purchase)
ADDRESS: 4250 Abbeydale Drive
CITY: Midland
STATE: NC ZIP: 28107
WORK PHONE: _____
MOBILE PHONE: (980) 239-6526
FAX: _____
E-MAIL: keltonmcgee@icloud.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Larry Thompson
ADDRESS: PO Box 541
CITY: Midland
STATE: NC ZIP: 28107
WORK PHONE: _____
MOBILE PHONE: (704) 301-4881
FAX: _____
E-MAIL: larry@thompsonenv.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. 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. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

LT (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. 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. The permit is valid for a period of twelve (12) months from the date of issuance.

N/A (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

Property Owner's or Owner's Legal Representative Signature

3/14/22
Date

OFFICE USE ONLY

O SURVEY PLAT TO SCALE SUBMITTED O SCALED SITE PLAN SUBMITTED O UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 8010 Allenwick Circle

Tax Parcel #: 139-057-30

Subdivision Name: Glencroft - Phase II

Lot #: 18

SEE ATTACHED SEPTIC PROPOSAL

Property Owner's or Owner's Legal Representative Signature

3/14/22
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

AGENT AUTHORIZATION FORM

PROPERTY LEGAL DESCRIPTION:

LOT NO. 18 PHASE _____ PARCEL ID: 11132128

STREET ADDRESS: 8010 Allenwick Circle (Glencroft - Phase II)
Charlotte, NC 28125

Please print:

Property Owner: Summit Building Group

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):
4250 Abbeydale Drive, Midland, NC 28107

Telephone: 980-239-6526

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

The NC 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:
Kelton Mcgee (Mar 14, 2022 20:58 EDT)

Date: Mar 14, 2022

Owner Signature: _____

Date: _____

Residential Subsurface Wastewater Treatment and Disposal System Proposal

For

Lot 18 - Glencroft, Phase II
8010 Allenwick Circle
Mint Hill, NC 28227

Tax Parcel Number: 139-057-30
March 9, 2022

Prepared for:

Kelton McGee
Summit Building Group
4250 Abbeydale Drive
Midland, NC 28107
980-239-6526



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 Mecklenburg County Groundwater and Wastewater Services (MCGWS) at the request of Summit Builders. Summit Builders proposes to construct a new 3-bedroom single family residence at 8010 Allenwick Circle, Mint Hill, NC 28227 (Mecklenburg County Tax Parcel Number: 139-057-30) that will be served by a public water supply.

Based upon a soil and site investigation performed by Thompson Environmental Consulting, Inc. (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 3-bedroom residence. The proposed repair system would be a Gravity-Flow PPBPS as well.

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

Location

From Charlotte, take US-74 East to I-485 inner. Exit onto NC-218 headed towards Mint Hill. Turn right on Bartlett Road, right on Cannongate Drive, right on Dartmoor Place, and right on Allenwick Circle. Lot is located on the left in the cul-de-sac.

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

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 three (3) laterals constructed 3-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 **30-inches**. 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 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 design engineer.
12. An upslope interceptor drain will be required for this system. Drain shall be 30 inches deep at the beginning and sloped to drain.

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:	360 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:	(3) 3' Wide x 67' Long

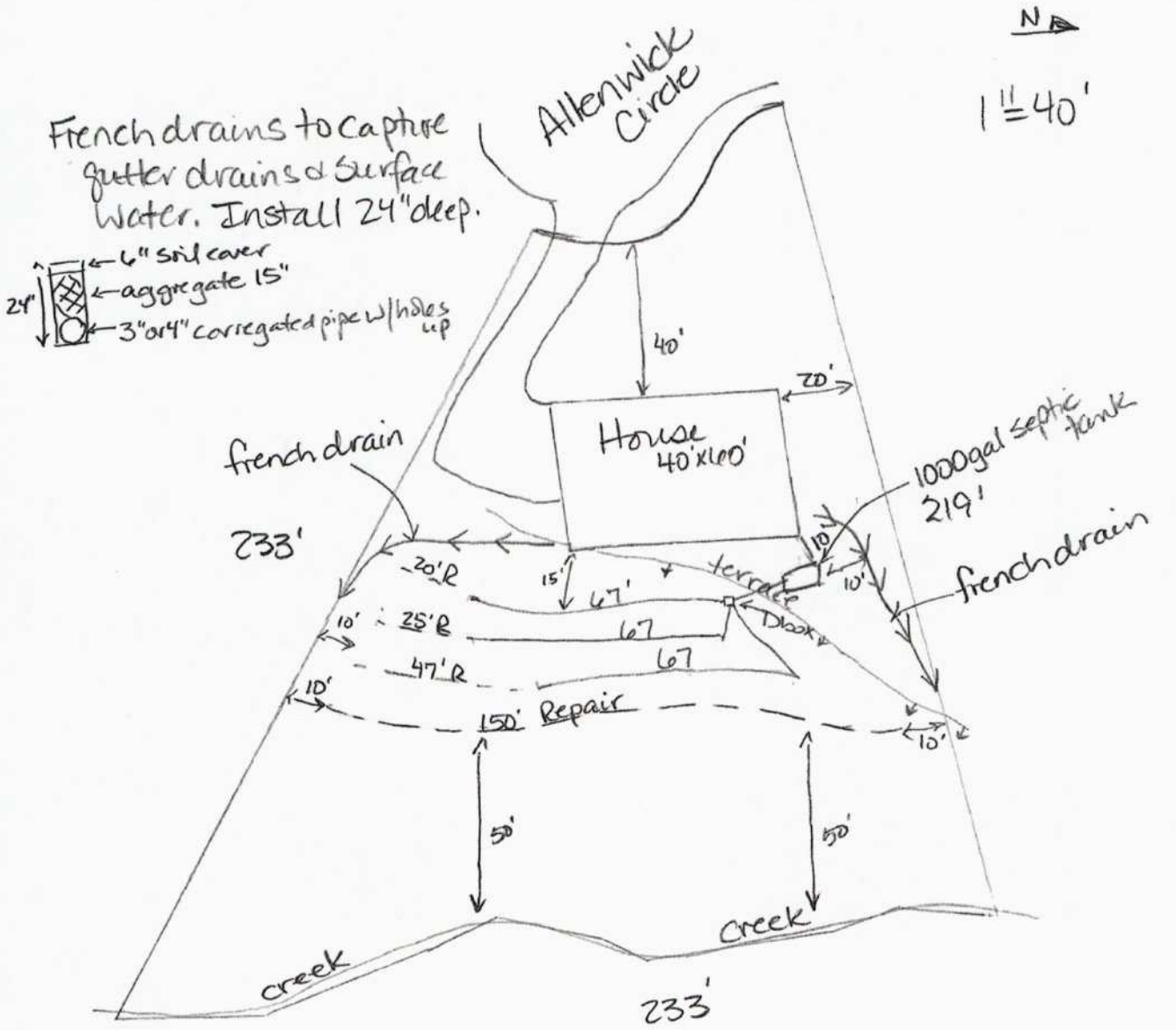
Maximum Trench Depth:	30 Inches Deep
Drainline Spacing:	8 Foot on Centers
Total Length of Drainline:	201 Feet
Total Number of Panels:	42

Repair Specifics

Effluent Loading Rate:	Design = 0.3 GPD sq. ft. (50 % reduction - PPBPS)
Drainfield Type:	PPBPS
Linear Footage Required:	200 Linear Feet
Linear Footage Available:	242 Linea Feet
Maximum Trench Depth:	30 Inches Deep

*See septic layout for site locations and additional details.

Glencroft 18718
8010 Allenwick Circle



PRELIMINARY SOIL AND SITE EVALUATION

Lot 18 – Glencroft, Phase II
8010 Allenwick Circle
Mint Hill, NC 28227

Prepared For:

Kelton McGee
Summit Building Group
4250 Abbeydale Drive
Midland, NC 28107

Prepared By:

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

January 25, 2022



INTRODUCTION & SITE DESCRIPTION

This Soil and Site Evaluation was performed on a 0.753 acre lot (Lot 18 – Glencroft, Phase II), located at 8010 Allenwick Circle, Mint Hill, North Carolina.

Thompson Environmental Consulting, Inc. (TEC) was retained to determine whether the soils were suitable for onsite subsurface wastewater treatment and disposal. The property was evaluated in accordance with North Carolina statutes for waste disposal ("Laws and Rules for Sewage Treatment and Disposal Systems", amended April 1, 2017).

INVESTIGATION METHODOLOGY & SITE PHYSICAL CHARACTERISTICS

Individual soil borings were evaluated, and soil color was determined with a Munsell Soil Color Chart. Observations of the landscape (slope, drainage patterns, etc.) as well as soil properties (depth, texture, structure, seasonal wetness, restrictive horizons, etc.) were recorded.

The property is currently undeveloped and is vegetated with a mixed deciduous forest. A perennial stream is located on the back of the property and there is a 50-ft stream buffer that encroaches into the lot.

FINDINGS

A field survey was conducted on January 25, 2022, by Larry Thompson, LSS. Four soil borings were advanced within the project study area and locations noted in the attached Figure 1.

All borings were rated as Provisionally Suitable for the installation of a subsurface wastewater treatment and disposal system utilizing Accepted System and Prefabricated Permeable Block Panel System drainfield products and are denoted in the attached Figure as green points. Surfaces typically exhibited friable loam to clay loam textures with weak, medium, granular to subangular blocky structure 4 to 5 inches in depth. Upper subsurface horizons exhibited firm clay textures with moderate, medium, subangular blocky structure 48 inches and greater in depth. A long-term acceptance rate (LTAR) of 0.3 gal./day/sq. ft. would be recommended for these soils.

DISCUSSION

The soils observed within the project study area will support the installation of a subsurface wastewater treatment and disposal system utilizing Accepted System or Prefabricated Permeable Block Panel System drainfield products. It is estimated that 5,000 square feet of suitable soil area would need to be allocated and left completely available for the installation and required repair area for an Accepted System serving a 3-bedroom single family residence.

The required drainfield area can be reduced by 25% if using the Prefabricated Permeable Block Panel System.

CONCLUSION

The findings presented herein represent TEC's professional opinion based on our Soil and Site Evaluation and knowledge of the current laws and rules governing on-site wastewater systems in North Carolina. Soils naturally change across a landscape and contain many inclusions. As such, attempts to quantify them are not always precise and exact. Due to this inherent variability of soils and the subjectivity when determining limiting factors, there is no guarantee that a regulating authority will agree with the findings of this report.

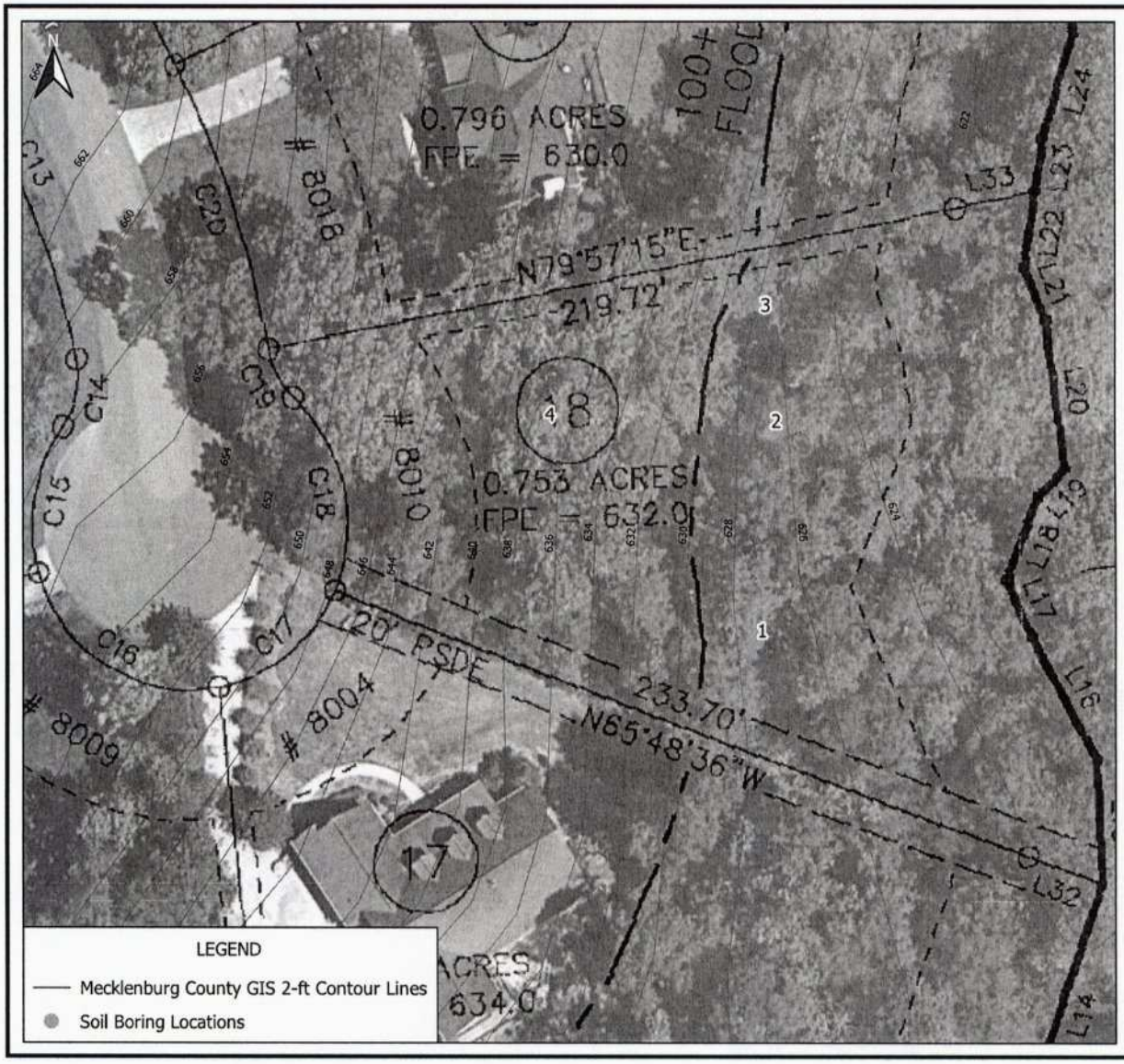


FIGURE 1

Prepared For:

Kelton McGee

Soil and Site Evaluation

Lot 18 - Glencroft, Phase II
8010 Allenwick Circle
Mint Hill, NC 28227

Mecklenburg County

Scale:
0 20 40 ft

TEC Job No.
22-18

Date:
January 2022

Thompson Environmental Consulting
WATER · WASTEWATER · WETLANDS

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

Sheet 1 of 1
PROPERTY ID #: 13905730
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**

OWNER: Stephen and Nicole Kelly
ADDRESS: 8018 Allenwick Circle Mint Hill, NC 28227
PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.1949): 300
LOCATION OF SITE: 8018 Allenwick Circle, Mint Hill, NC 28227
DATE EVALUATED: 1.25.22
PROPERTY SIZE: 0.73ac
PROPERTY RECORDED: 99
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other LOT 18 - Glencroft Ph 2
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 7%	0-5	GR/cL	FR/SS/SP	–	48"	–	–	PS 0.3
		5-46	SBk/C	FR/SS/SP					
2	LS 7%	0-4	GR/cL	FR/SS/SP	–	48"	–	–	PS 0.3
		4-46	SBk/C	FR/SS/SP					
3	LS 7%	0-4	GR/cL	FR/SS/SP	–	48"	–	–	PS 0.3
		4-48	SBk/C	FR/SS/SP					
4	LS 7%	0-3	GR/cL	FR/SS/SP	–	46"	–	–	PS 0.3
		3-48	SBk/C	FR/SS/SP					

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

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PROVISIONAL
EVALUATED BY: Larry Thompson
OTHER(S) PRESENT:

LICENSED SOIL SCIENTIST LARRY B. THOMPSON 1287 STATE OF NORTH CAROLINA

COMMENTS:

Updated February 2014

The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(d).

LEGEND

use the following standard abbreviations

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

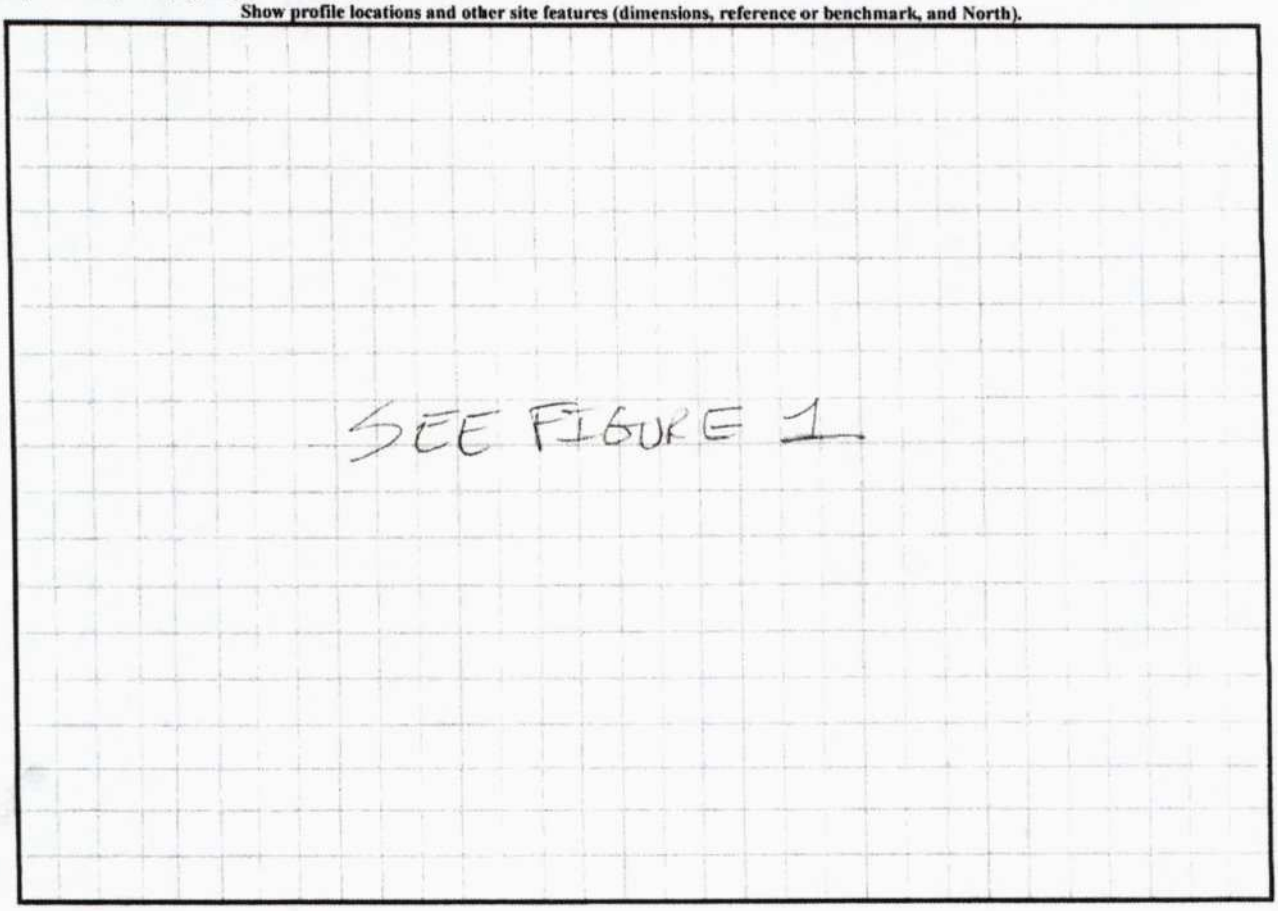
NOTES

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).



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/16/22	**Amount:**	250.00
Receipt #:	134748	**Tendered:**	250.00
Check / Auth #:	VISA 09484G	**Returned:**	0.00
Received By:	CABANLA		

Account Information

Account #: 200000
Contractor: MCGEE, KELTON
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 8010 ALLENWICK CI		1	250.00	250.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

#12957

SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☒ NEW WELL ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) AB 7.16.22 Initial/Date

CA ($200.00) _____Initial/Date

OP ($200.00) _____Initial/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 _____Initial/Date

Alteration Fees Paid: $300 Total $200 _____Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____Initial/Date

Floor plans need to be submitted and reviewed before CA can be issued ☐ Review ☐

This site is served by septic and well. Verify each is complete before final hold is released ☐

Septic file complete ☐_____ Well complete ☐ _____

Send permit for signature ☐ Signature received ☐ _____

This septic system requires a certified operation contract before final hold is released ☐

Certified operator contract is on file ☐ _____