

ROY COOPER • Governor KODY H. KINSLEY • Secretary MARK BENTON • Chief Deputy Secretary for Health SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Application for Services

This application, in conjunction with the common form established in G.S. 130A-335(a3) and (a5), is optional for local health departments to be used for applications submitted in accordance with G.S. 130A-335(a2), (a3), and (a5). [hereinafter, G.S. 130A-335(a3) and (a5) permits referred to as (a2) Improvement Permit and (a2) Construction Authorization]

Applying for: ✓ (a2) Improvement Permit ✓ (a2) Construction Author	ization (a2) Repair/Construction Authorization		
If applying for a Construction Authorization, please indicate desire Accepted Conventional Innovative Other			
✓ New Construction ☐ Expansion ☐ System Relocated (site plan provided) ☐ Non-Exp Requesting DHHS review? (systems >3000 GPD or IPWW) ☐ Yes	iring Permit Requested (plat provided, defined in G.S.130A-334(7a		
Applicant: Alan Williams	Owner: Alan Williams		
Mailing Address: 810 W. Ketchie Street	Mailing Address: 810 W. Ketchie Street		
City: China Grove	City: China Grove		
State: NC Zip: 28023	State: NC Zip: 28023		
Phone #: 239-537-5011 Phone #: 239-537-5011			
Email: abwrbw@gmail.com			
If the answer to any of the following questions is "yes", applicar	it must attach supporting documentation.		
Yes Vo Does the site contain any jurisdictional	wetlands?		
	d on the site other than domestic sewage?		
Yes No Is the site subject to approval by any ot			
Yes No Are there any easements or right of wa	ys on this property?		
I understand that the documentation and fees, as required in G.	S. 130A-335(a2), (a3), (a5), and (a6), attached to this application		
are to be used to issue an Improvement Permit and/or Construc			
I understand that authorized county and state officials are grant			
conduct necessary inspections to determine compliance with ap the application for an Improvements Permit and/or Construction			
then the Improvement Permit and Construction Authorization			
Applicant Signature: Applicant Signature: Applicant Signature:	Date: Jan 29, 2024		
Owner's Signature:AGIN WiJan 29, 2024 10:37 EST)	Date: Jan 29, 2024		

Permit/File #:	
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ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes:	√ (a2) Improvement Permit	(a2) Construction Authorization	Fee \$	
	IMPROVEM	ENT PERMIT FOR G.S. 130A-33	5(a2)	
County: Rowan				
PIN/Lot Identifier: 11	4 152			
Issued To: Alan Willi	ams			
Property Location: 11	40 Miller Road, China Grove,	NC 28023		
Subdivision (if applicat	ole)	Lot #:	Block:	Section:
LSS Report Provided: \	Yes ✓ No 🗌			
If yes, name and licens	e number of LSS: Larry Thompson	on, LSS		
New ✓ Facility Type: Single-	E " B " '	System Relocation	_	
		Other:		
		High Strength Indust		
		Proposed LTAR (Initial): 0.3		
Proposed Wastewater	System Type*: Gravity Flow Acc	cepted Type IIb (Initial) Pump Re	equired: 🗌 Yes 📝 N	o May be required
Proposed Wastewater	System Type*: Gravity Flow Acc	cepted Type IIb (Repair) Pump Re	quired: Yes 🗸 No	May be required
*Please include system	n classification for proposed wastew	ater system types in accordance with Rule	e .1301 Table XXXII	
Effluent Standard:	DSE HSE NSF/ANSI 40	☐ TS-I ☐ TS-II ☐ RCW		
Saprolite System (Initia	al): Yes 🗸 No Saprolite	System (Repair): ☐ Yes ✓ No		
Fill System (Initial):	Yes ✓ No If yes, specify: ☐ Nev	Existing (when adding more than	6 inches of fill to syste	m area provide a fill plan)
		w Existing (when adding more than		
		Usable Depth to LC (Repair) ^x : 39		
Max. Trench Depth (In	itial)‡: <u>27</u> Max. Tre	nch Depth (Repair)‡: 27	[‡] Measured on the do	wnhill side of the trench
Artificial Drainage Req	uired: 🗌 Yes 📝 No If yes, please	e specify details:		
Type of Water Supply:	✓ Private well □ Public well	Shared well Municipal Supply	Spring Oth	ner:
Drainfield location me	ets requirements of Rule .0508: Yes	✓ No Drainfield location meets	requirements of Rule	.0601: Yes ✓ No 🗌
Permit valid for: 🗸 Fiv	ve years [site plan submitted pursua	nt to GS 130A-334(13a)] 🔲 No expirati	on [plat submitted pur	suant to GS 130A-334(7a)
Permit conditions:				
	Print Name: Larry Thompson, LSS	2//		
Licensed Soil Scientist	Signature:	1 Nongeon	Date: 01-29	1-24

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



Permit/File #:

This Section for Local Health Department Use Only

initiai submittai received:		Dy	
	Date	Initials	
G.S. 130A-335(a3) states the following:			
When an applicant for an Improvement Permit submits to a local health department, the common form developed by the Department, and a soil evaluat within five business days of receiving the application, conduct a completeness repermit includes all of the required components. If the local health department deshall notify the applicant of the components needed to complete the Improvement department to cure the deficiencies in the Improvement Permit. The local health is complete within five business days after the local health department receives a fact within any period set out in this subsection, the applicant may treat the failus common form for use as the Improvement Permit.	ion pursuant to su view of the submit etermines that the ent Permit. The app department shall the additional infol	osection (a2) of this section, the local health depital. A determination of completeness means that Improvement Permit is incomplete, the local healicant may submit additional information to the make a final determination as to whether the Impation from the applicant. If the local health de	artment shall, t the Improvement Ith department local health provement Permit partment fails to
The review for completeness of this Improvement Permit was co Permit is determined to be:	onducted in ac	cordance with G.S. 130A-335(a3). This	Improvement
☐ 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 Applicant on	Date		
State Authorized Agent:	13	Date:	
☐ Complete	6		
State Authorized Agent:	V 38	Date:	
This Improvement Permit is issued pursuant to G.S. 130A-335 (attached here. The issuance of this permit in no way guarante for checking with appropriate governing bodies in meeting the plat, or the intended use changes. The Improvement Permit shapermit is subject to compliance with the provisions of 15A NCA. The Department, the Department's authorized agents, and the any liabilities, duties, and responsibilities imposed by statute devaluations, submittals, or actions from a licensed soil scientist.	es the issuance ir requirement all not be affe AC 18E and to the local health do r in common I	e of other permits. The permit holder is. This permit is subject to revocation cted by a change in ownership of the she conditions of this permit. Example 2 is a change in ownership of the she conditions of this permit. Example 2 is a change in ownership of the she conditions of this permit.	is responsible if the site plan, site. This
Improvement Permit Expiration Date:			



Permit/File #:

Re-submittal of Improvement Permit

	LHD USE ONLY: This IP resubmittal re	eceived:	Date	by	Initials	
Γhe following i	tems are being resubmitted pursuant to G.S.	S. 130A-335(a3) for	· issuance o	f the Improve	ment Permit:	_
	THE	STATI		D.		
s accurate and	hereby Scientist (Print Name) complete to the best of my knowledge an laws, regulations, rules, and ordinances.	y attest that the info				
Signatuı	re of Licensed Soil Scientist			Date	3	
	The section below is for Local Health Dep	partment use after sul	bmittal of ite	ems noted as n	nissing above.	
LHD Follow-ı	up Completeness Review of Impro	vement Permit				
	completeness of this Improvement Permit Permit is determined to be:	t re-submittal was c	onducted in	n accordance	with G.S. 130A	335(a3). This
□ Incomplete	e (If box is checked, information in this sec	tion is required \				
•	ems are missing:	ctorr is required.				
Copies of this w	vere sent to the LSS and the Applicant on _	 Date				
State Authorize	ed Agent:			Dat	:e:	
☐ Complete						
State Authorize	ed Agent:			Dat	:e:	



Permit/File #:

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County: Rowan	Pre-Construction Conference Required: Yes ✓ No ☐
PIN/Lot Identifier: 114	152
Issued To: Alan Willia	ms
	0 Miller Road, China Grove, NC 28023
AOWE/PE Plans/Evalua Facility Type: Single-I	ions Provided: Yes No If yes, name and license number of AOWE/PE: Larry Thompson (AOWE 10016E)
	Number of Occupants: 5 Other:
	Expansion Repair System Relocation Change of Use
	/es ✓ No Basement Fixtures? ☐ Yes ✓ No
Crawl Space?	
	tem* Gravity Flow Accepted Type IIb (Initial) Gravity Flow Accepted Type IIb (Repair
	classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII
Design Daily Flow: 360	GPD Wastewater Strength: ✓ Domestic ☐ High Strength ☐ Industrial Process WW
Session Law 2014-120 S	ection 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes No ngineering documentation)
Effluent Standard:	DSE
Type of Water Supply:	Private well Public well Shared well Municipal Supply Spring Other:
Trench/Bed Width: 36 Soil Cover: 6 inche Pump Tank Size (if appl Pump Requirements: _ Distribution Method: [Artificial Drainage Requirements (If the Multi-party Agreement Easement, Right-of-War Management Entity Recognition of the M	gallons Total Trench/Bed Length: 300 feet Trench/Bed Spacing: 9 feet on center inches LTAR: 0.3 gpd/ft² Usable Depth to LC (Initial)*: 39 **Limiting condition inches LTAR: 0.3 gpd/ft² Usable Depth to LC (Initial)*: 39 **Limiting condition inches solone Corrected Maximum Trench/Bed Depth*: 27 inches **Measured on the downhill side of the trench cable): N/A gallons Requires more than 1 pump? Yes Voo ft. TDH vs. GPM Grease Trap Size (if applicable): N/A gallons gallons Serial D-Box or Parallel Pressure Manifold(s) LPP Other: Other:
Permit conditions:	
with the attached site construction Authorization with the provisions of	A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance ketch. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The tion shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance 5A NCAC 18E, or 15A NCAC 18A-1900, as applicable, and to the conditions of this permit. Larry Thompson, LSS, AOWE Date: 01-29-24
	This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).



Permit/File #: _	

This Section for Local Health Department Use Only

	Initial submittal received:		by
		Date	Initials
G.S. 130A-335(a5) states the follo	owing:		
Improvement Permit and Construction Au Department, and any necessary signed ar engineer or a person certified pursuant to department shall, within five business day the Construction Authorization or Improv determines that the Construction Authori applicant of the components needed to co additional information to the local health Authorization. The local health departme Authorization is complete within five busi department fails to act within any period apply for the building permit for the proje Authorization by the local health departn licensed engineer submitting the evaluati Authorization or Improvement Permit and	athorization application together, the pend sealed plans or evaluations conducted of Article 5 of Chapter 90A of the General ys of receiving the application, conduct of the General and Construction Authorization or Improvement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the Construction Authorization of the Authorization as to the Salaman and Construction and the Authorization of the Internation as to the Internation of the Internation of Completeness of the Internation of the Internation of Completeness of the Internation of the Internation of Completeness of the Internation of the Internation of Construction Authorization for cause. It all suspend or revoke the Construction Authorization for Cause. It all suspend or revoke the Construction Authorization for Cause.	rmit fee charged by the d by a person licensed put Statutes as an Authorized completeness review of action includes all of the truction Authorization is or Improvement Permit the Construction Authorization the truction the Construction Authorization and treat the failure to fee the Construction Authorials to act within five busingest that the local health Upon written request of uthorization or Improver	zation together, submits a Construction Authorization, or an local health department, the common form developed by the ursuant to Chapter 89C of the General Statutes as a licensed ed On-Site Wastewater Evaluator, the local health f the submittal. A determination of completeness means that required components. If the local health department incomplete, the local health department shall notify the and Construction Authorization. The applicant may submit extion or Improvement Permit and Construction on Authorization or Improvement Permit and Construction hal information from the applicant. If the local health act as a determination of completeness. The applicant may rization or Improvement Permit and Construction hess days. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction the Authorized On-Site Wastewater or licensed ment Permit and Construction pursuant to G.S.
The review for completeness of t	his Construction Authorization v	was conducted in a	ccordance with G.S. 130A-335(a5). This
Construction Authorization is det	ermined to be:		
☐ Incomplete (If box is checked	d, information in this section is r	equired.)	
The following items are missing:		1	
Copies of this were sent to the A	OWE/PE and the Applicant on _	J. Finds	
\/\\.		Date	
State Authorized Agent:			Date:
- 1		The state of	-/
Complete			
State Authorized Agent:			Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision The Department, the Department any liabilities, duties, and responsions, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater	Authorization is subject to revaluate affected by a change in the laws and Rules for Sevent's authorized agents, and the ansibilities imposed by statute or ion conference findings, submited engineer or a person certified Evaluator in GS 130A-335(a2), (artments shall be responsible a lule, including the issuance of the	ocation if the site pownership of the swage Treatment and local health departer in common law frotals, or actions frod pursuant to Articl (a5), and (a7). The land bear liability for e operations permised	sing the signed and sealed plans or evaluations plan, plat, or the intended use changes. The site. This Construction Authorization is subject d Disposal and to the conditions of this permit. Imments shall be discharged and released from om any claim arising out of or attributed to m a person licensed pursuant to Chapter 89C of e 5 of Chapter 90A of the General Statutes as an Department, the Department's authorized of their actions and evaluations and other it pursuant to GS 130A-337.



Permit/File #:

Re-submittal of Construction Authorization

	LHD USE ONLY: This CA resubmittal received:	Date	by	
The following i	tems are being resubmitted pursuant to G.S. 130A-33	85(a5) for issuance of	the Construction Authoriz	ration:
is accurate and	hereby attest than site Wastewater Evaluator (Print Name) complete to the best of my knowledge and that the and local laws, regulations, rules, and ordinances.		quired to be included with on Authorization meets al	
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
	The section below is for Local Health Department use	e after submittal of iter	ms noted as missing above.	
LHD Follow-ı	up Completeness Review of Construction A	uthorization		
	completeness of this Construction Authorization re-s on Authorization is determined to be:	submittal was conduc	ted in accordance with G.	S. 130A-335(a5).
☐ Incomplete	(If box is checked, information in this section is requi	red.)		
The following it	ems are missing:			
	QUAI	M Albert		
Copies of this w	vere sent to the AOWE/PE and the Applicant on	Date		
State Authorize	ed Agent:		Date:	
☐ Complete				
State Authorize	ed Agent:		Date:	





ADDENDUM TO G.S. 130A-335(a2) SUBMITTAL

County:	
PIN/Lot Identifier:	
ssued To:	
Additional Improvement Permit Conditions:	
THE SIAIF	
6/0-201	
6/47/ 93 8	
	Notes I Dill
Additional Construction Authorization Conditions:	
	<u> </u>
7 PRIL 12 177	
WALLO BE SHOWN VIII	

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DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

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:

- 1. Power of Attorney
- 2. Real Estate Contract
- 3. Estate executor
- 4. Bankruptcy trustee
- 5. 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:

- 1. Complete this form to document his or her legal representative, or
- 2. Provide their 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 ISA 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.

I, Alan Williams	am the legal owner(s) of the property located
at 1140 Miller Road, China Grove, NC 28023	, identified as
PIN (Parcel Identification Number) 114 152	located in Rowan
County, North Carolina.	

I do hereby authorize (print legal representative/company name) <u>Larry Thompson, LSS</u>
<u>Thompson Environmental Consulting, Inc.</u>, 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 Rowan County Department of Public Health, Environmental Health Division.

A SUN (Jan 29, 2024 10:37 EST)	Jan 29, 2024	Angela Thompson (Jan 30, 2024 19:06 EST)	Jan 30, 2024
Signature of Owner(s)	Date	Signature of Witness	Date

Residential Subsurface Wastewater Treatment and Disposal System G.S. 130A-335(a2) Proposal

for

1140 Miller Road China Grove, NC 28023

Tax Parcel Number: 114 152 January 28, 2024

Prepared for:

Alan Williams 810 W. Ketchie Street China Grove, NC 28023 239-537-5011

Prepared by:

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





Project Specifics

The following wastewater treatment and disposal system G.S. 130A-335(a2) proposal is submitted to Rowan County Environmental Health (RCEH) at the request of Alan Williams, who proposes to construct a new 3-bedroom single family residence at 1140 Miller Road, China Grove, North Carolina. The residence will be served by a private well.

Based upon a soil and site evaluation performed by TEC, it was determined that a sufficient amount of "Suitable" Group IV soils are available for the installation and repair of a **Gravity Flow Accepted System** for a 360 gallon-per-day residence at a 0.3 GPD/sq/ft long-term acceptance rate (LTAR).

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), and the plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335(a2), (a5) and (a6).

Location

From Salisbury, take US-29 S. to Grace Church Road. Turn right onto Grace Church Road, and left onto Miller Road. Property is located on the right in 1.8 miles.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18E, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, January 1, 2024.

Accepted Wastewater System No. AWWS-2005-02-R6; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, August 21, 2015.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208

NC Licensed Soil Scientist No. 1287

NC Authorized Onsite Wastewater Evaluator No. 10016E

SC Certified Professional Soil Classifier No. 111

NC Subsurface Septic System Operator No. 22199

NC Grade IV Wastewater System Installer No. 1762

NC Certified Wastewater System Inspector No. 17621

Plans and Specifications

A. Septic Tank

- 1. The septic tank shall be state approved, watertight, structurally sound, and a minimum of 1,000 gallons in capacity.
- 2. The septic tank shall be fitted with an approved effluent filter.
- 3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tanks have had time to properly cure and are free of cracks or other structural deficiencies.
- 4. Plumbing outfall from the house should be held as high as practical to avoid the need for a pump.

B. Pipe, Fittings and Supply Line

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

C. <u>Distribution Method</u>

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

D. Drainfield Installation

- 1. The drainfield has been previously laid out on-site utilizing metal stemmed flags. The property owner/builder should mark this area and isolate it as much as possible from construction traffic
- 2. Under <u>no</u> circumstances shall any construction take place within the drainfield area while the soil is in a wet condition.
- 3. The specified system is an accepted wastewater system, specifically the Infiltrator Quick 4 chamber system or any other system with a state-approved 25% reduction in required drainline length.
- 4. The drainfield consists of four (4) lateral trenches 3-foot wide by 75-ft long. The total trench length is 300 feet.
- 5. The maximum trench depth for this system shall be 27 inches.
- 6. The laterals are to be installed on contour with the land, keeping the individual trench bottoms level from beginning to end.
- 7. The trenches should be left open for a final inspection by the health department.

E. Final Landscaping

- 1. The final soil cover over the drainfield shall be a minimum of 6 inches deep.
- 2. The drainfield shall be shaped to shed rainwater and be free from low spots.

3. The drainfield area 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.

Maintenance

F. 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 equivalent to 25 percent of the tank's volume. 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. When cleaning the effluent filter, the filter should be removed, and the accumulated debris will be washed back into the septic tank not onto the lawn.
- 4. Any damp areas, leakages, or malfunctions in the drainfield area should be addressed immediately.
- 5. Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

Design Specifics

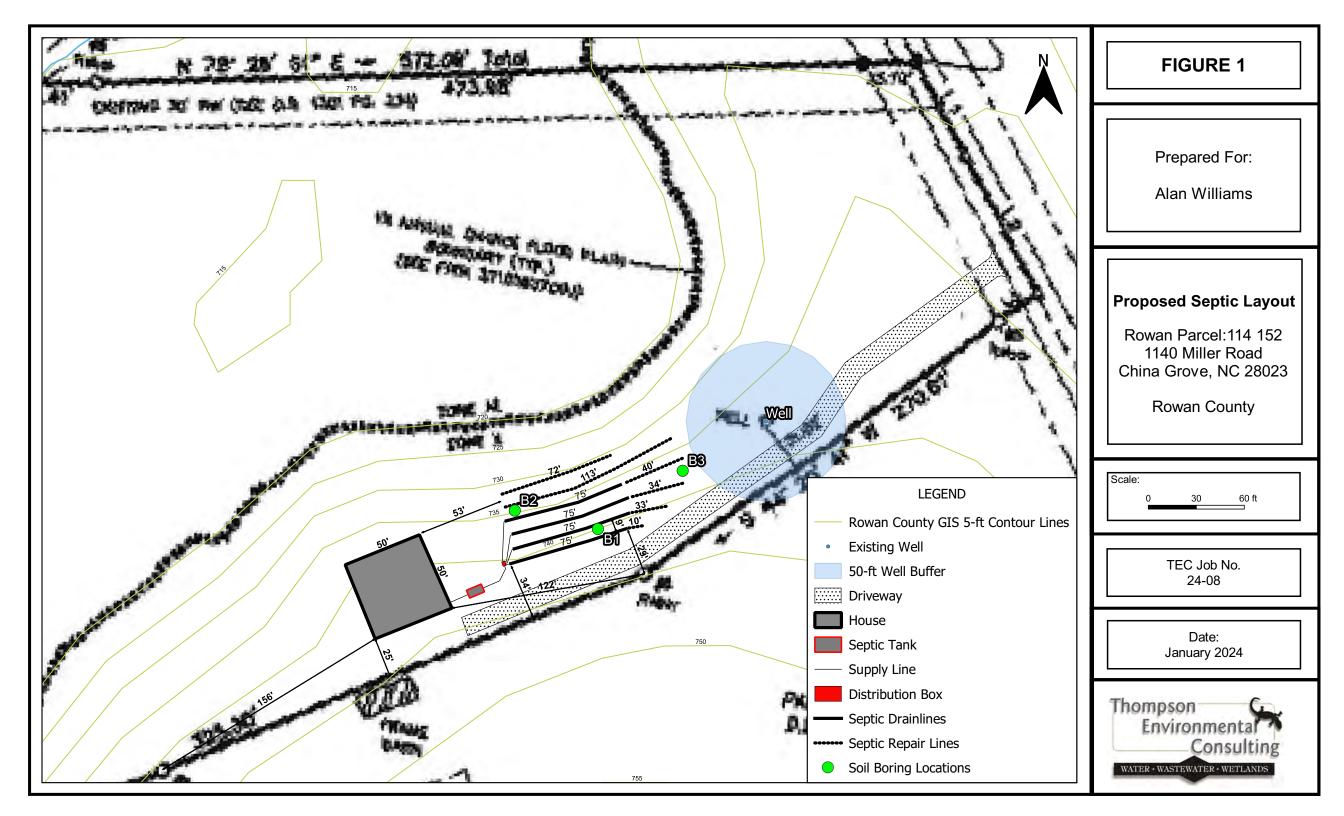
Daily Design Flow:	360 GPD – 3 bedroom house
Septic Tank Size:	1,000 Gallons (minimum)
Effluent Loading Rate:	0.3 GPD per sq. ft.
Drainfield Type:	Accepted (25% Reduction)
Distribution Method:	Distribution Box
Number of Trenches:	(4) 3-ft Wide x 75 Feet Long
Total Trench Length:	300 Linear Feet
Maximum Trench Depth:	27 Inches
Required Soil Cover:	6 Inches
	Repair Option
Effluent Loading Rate:	0.3 GPD per sq. ft.
Drainfield Type:	Accepted (25% Reduction)

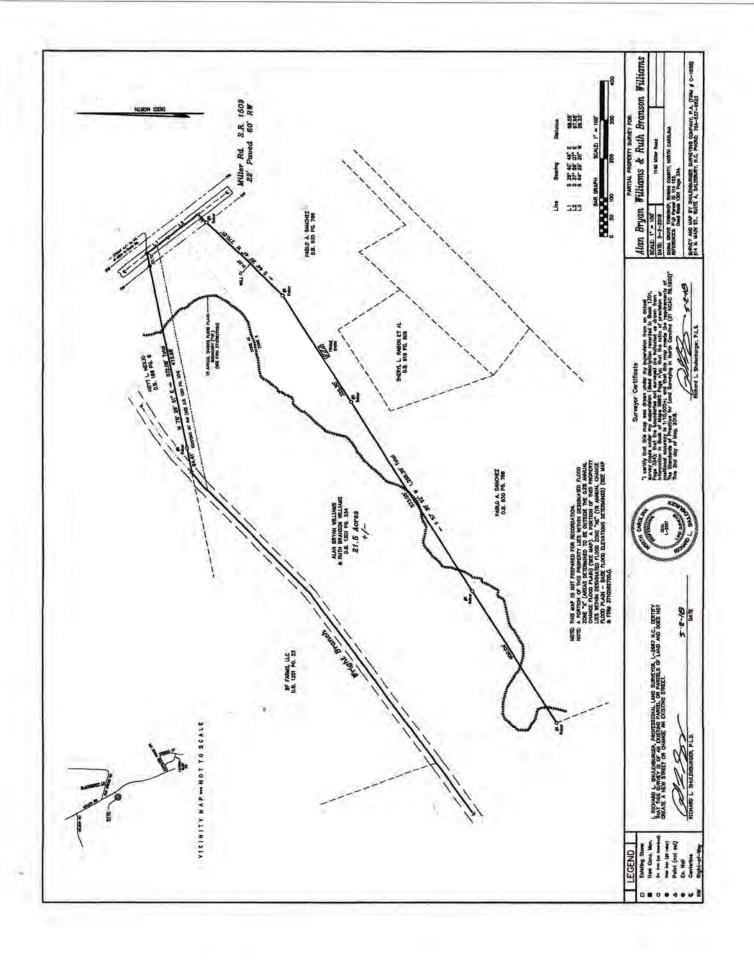
Required Linear Footage: 300 Linear Feet

Available Linear Footage: 302 Linear Feet

Maximum Trench Depth: 27 Inches

Final Soil Cover Requirement: 6 Inches





Thompson Environmental Consulting, Inc. PO Box 541

Midland, NC 28107

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

PROF OCA WAT	OSED FACILITY ATION OF SITE ER SUPPLY: X	Y: (e)	PROPOSE Public X We ger Boring Pit	D DESIGN FLOW (.	1949): 360 : Other PE OF WASTI		PRO	PERTY SIZE: PERTY RECO	ED: 1-5-24 DRDED:
P R O F 1	.1940		SOIL MO	RPHOLOGY		OTE	IER		Process Mixed
E #	LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL .194 WETNESS/ SOIL COLOR DEPT		.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 151/.	0.6 6:35 35-48	Sylce Skic Bkic	FUSS/SP/SON FUSS/SP/SON		K"	1	_	50.3
2	L5 15%	0.5 5.33 53.45 45#	SBR/CC SBR/CC SBR/CC M/L	Telssloted TEls 19/5ea Telsslotscul Telnshiehen	6	45"	1		5
3	15	D. 8 8.36 36.15	SBK/CL SBK/CL M/L	TP/55/58/50x 13/5/6/50xf TP/55/58/58A TP/N5/58/WE		454	-		5
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
Available Space (.1945)	18	p5	SITE CLASSIFICATION (.1948):
System Type(s)	Accepted	Accepted	EVALUATED BY: OTHER(S) PRESENT:
Site LTAR	0.3	0.3	OTHER(S) PRESENT

evaluat ated February 2014 (a2).

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERA CONSIS	STRUCTURE		
CC (Concave slope)		S (Sand)		0.6 - 0.8		MOIST	WET	SG (Single grain)	
CV (Convex Slope)	I	LS (Loamy sand)	0.8 - 1.2	0.5 -0.7	0.4 -0.6	Lo (Loose)	NS (Non-sticky)	M (Massive)	
D (Drainage way)	11	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)	
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)	
FS (Foot slope)		SiL (Silt Ioam)		0.1 - 0.3		FI (Firm)	VS (Very sticky)	ABK (Angular blocky)	
H (Head slope)		SCL (Sandy clay Ioam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)	
L (Linear Slope)	III	CL (Clay loam)	0.3 - 0.6		0.15 - 0.3	EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)	
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)		
R (Ridge/summit)	Si (Silt)			None			VP (Very plastic)		
S (Shoulder slope)		SC (Sandy clay)				SEXP (Slightly	expansive)		
T (Terrace)	IV	SiC (Silty clay)	0.1 - 0.4		0.05 - 0.2	EXP (Exp	ansive)		
TS (Toe Slope)		C (Clay)						•	
	•	O (Organic)	None						

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

DEPTH OF FILL In inches from land surface RESTRICTIVE HORIZON Thickness and depth from land surface

SAPROLITE

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

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 SOIL WETNESS

CLASSIFICATION

ATION		S (S	uitab	ole) o Show	r U (prof	Unsu ile lo	itable c atio i	e) ns an	d oth	er sit	e feat	tures	(dim	ensio	ns, r	efere	nce o	r ben	chma	ırk, a	nd N	orth)	١.			
										S	EE	- -	IG	UR	E	1										

NCDHHS/DPH/EHS/OSWP Revised January 2024

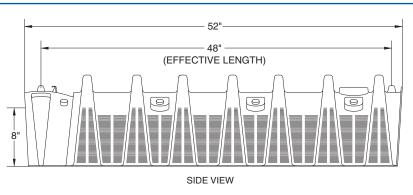
^{**}Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

**HORIZON DEPTH*

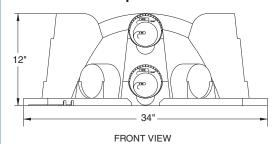
In inches below natural soil surface

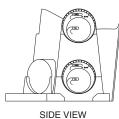


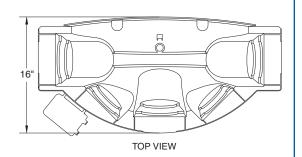
Quick4 Standard Chamber 12" 34" SECTION VIEW



MultiPort End Cap







Quick4 Standard Chamber Nominal Specifications

Size (W x L x H)	34" x 52" x 12"
Effective Length	48"
Invert Height	8"

MultiPort End Cap Nominal Specifications

Size (W x L x H)	34" x 16" x 12"
Invert Height	8" or 1.25"

INFILTRATOR SYSTEMS, INC. STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, end plate, wedge and other accessory manufactured by Inflitrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Inflitrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Inflitrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Inflitrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, lablas, overhead costs, or other losses or expenses incurred the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper straterials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper siting, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty.

Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original content of the c

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.



Environmental Onsite Wastewater Solutions[™]

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