

Permit/File #: _____

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

_{County:} Harnett	Pre-Construction Conference Required: Yes No
PIN/Lot Identifier: 064	-11-7864.000
	thern Homes Inc.
	Grand Griffon Way, Lillington, NC 27546
	ns Provided: Yes 🔳 No 🗌 If yes, name and license number of AOWE/PE: Scott Mitchell ; PE 27458
	amily Dwelling Unit
Number of bedrooms:	Number of Occupants: ^{8 or less} Other:
	pansion Repair System Relocation Change of Use
Basement?	No Basement Fixtures?
Crawl Space?	No Slab Foundation? Yes No
Type of Wastewater Sys	m* IIb (Initial) IIIe (Repair)
*Please include system of	ssification for proposed wastewater system types in accordance with Rule .1301 Table XXXII
Design Daily Flow: 480	GPD Wastewater Strength: Domestic High Strength Industrial Process WW
Session Law 2014-120 Se (if yes, please provide en	tion 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes INO NO
Effluent Standard:	SE 🗌 HSE 🔄 NSF/ANSI 40 🔄 TS-I 🔄 TS-II 🔄 RCW
Type of Water Supply:	Private well 🗌 Public well 🔲 Shared well 🔳 Municipal Supply 🗌 Spring 🔲 Other:
Installation Requirement Septic Tank Size: 1,00 Trench/Bed Width: 36 Soil Cover: 12-16 inches Pump Tank Size (if applic Pump Requirements: Distribution Method: Artificial Drainage Requi Legal Agreements (If the Multi-party Agreement F Easement, Right-of-Way Management Entity Req Permit conditions: Installer shall rake tre	
product installation.	NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance tch. <u>This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.</u> The in shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance NCAC 18E, or 15A NCAC 180, 1900, as applicable, and to the conditions of this permit. Scott Mitchell Date: June 6, 2024
T	s AOWE/PE submittal is pursuant mean the requirements of G.S. 130A-335(a2) and (a5).



This Section for Local Health Department Use Only

Initial submittal received: ______ by ______

Date

Initials

G.S. 130A-335(a5) states the following:

When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This

Construction Authorization is determined to be:

Incomplete (If box is checked, information in this section i	s required	.)
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The following items are missing: _

Complete

State Authorized Agent: ____

Date of Issuance:

This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

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

Construction Authorization Expiration Date:

See attached site sketch



Re-submittal of Construction Authorization

	LHD USE ONLY: This CA resubmittal received:		by	
		Date	Initials	
The following it	tems are being resubmitted pursuant to G.S. 130A-3	335(a5) for issuance	of the Construction Author	rization:
		ATT	200	
т	hereby attest th	at the information	required to be included wi	th this re-submittal
Authorized Or	nsite Wastewater Evaluator (Print Name)		required to be included wi	
	complete to the best of my knowledge and that the and local laws, regulations, rules, and ordinances.	e proposed Constru	ction Authorization meets	all applicable
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
)	The section below is for Local Health Department u	se after submittal of	items noted as missing above	2.
LHD Follow-ւ	up Completeness Review of Construction A	Authorization		
	completeness of this Construction Authorization re- on Authorization is determined to be:	-submittal was conc	ducted in accordance with	G.S. 130A-335(a5).
🗌 Incomplete ((If box is checked, information in this section is requ	uired.)		
The following it	ems are missing:			
(QUA	M VIDE	14	
Copies of this w	vere sent to the AOWE/PE and the Applicant on		_	
	vere sent to the AOWE/PE and the Applicant on	Date	 Date:	
State Authorize		Date	Date:	
State Authorize		Date	Date: Date:	



Permit/File #: _____

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

County:
PIN/Lot Identifier:
Issued To:
Additional Improvement Permit Conditions:
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Additional Construction Authorization Conditions:
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Mitchell Environmental, P.A.

I hereby authorize representatives of Mitchell Environmental, P.A., to provide subsurface wastewater evaluations and septic system designs on my behalf, for the issuance of an IP and CA, for the property identified below.

For Improvement Permit (IP) issuance:

"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)."

For Construction Authorization (CA) issuance:

"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)."

The LSS evaluation attached to this application was used to produce and design a subsurface wastewater septic system for permitting to obtain an IP and CA in accordance with G.S. 130A-335(a2), (a3), (a5), and (a6).

	Griffon Pointe lot 7 ·	- 143 Grand Griffon Way
Subject Property (Address, PIN, etc.):		

Property Owner Name (*Print*): <u>Great Southern Homes</u>

Owner Representative (*Print*): Blake Whitaker

Owner Representative (Sign): ______Blake Whitaker

Date: 6/3/24

1501 Lakestone Village Lane, Suite 205 Fuquay-Varina, North Carolina 27526 919-669-0329

Mitchell Environmental, P.A.

SEPTIC SYSTEM DESIGN

for

GRIFFON POINTE SUBDIVISION- LOT 7

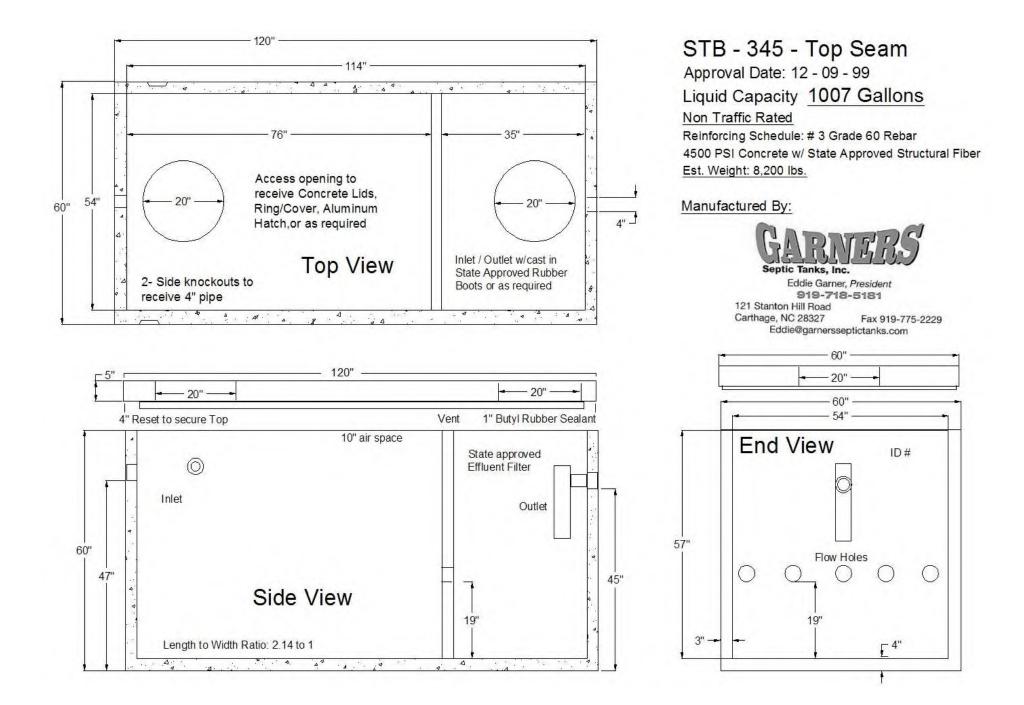
Lillington, Harnett County, North Carolina

Submitted to:

Harnett County Health Department 307 Cornelius Harnett Blvd. Lillington, NC 27546

Prepared for: Great Southern Homes, Inc. 917 Chapin Road Chapin, SC 29036 Prepared by: Scott Mitchell, PE, LSS Adam Aycock, El DATE: April 25, 2024 PROJECT NO.: 0221

1501 Lakestone Village Lane, Suite 205 Fuquay-Varina, North Carolina 27526 919-669-0329





PL-68 Filter and Tee

PL-68 is much more than just an effluent filter. The housing can also be used as an inlet baffle (tee) or an outlet baffle. The housing is designed to accept Polylok's snap in gas deflector to deflect gas bubbles away from the tee and to keep the solids in the tank.

Features:

- Offers 68 linear feet of 1/16" filter slots, which significantly extends time between cleaning.
- Accepts 3/4" PVC handle.
- Locks in any 360° position when used with PL-68 Tee.
- PL-68 Housing can be used as an inlet or outlet tee.
- Gasket prevents bypass.

PL-68 Installation:

Ideal for residential waste flows up to 800 gallons per day (GPD). Easily installs in any new or existing 4" outlet tee.

- 1. Locate the outlet of the septic tank.
- 2. Remove the tank cover and pump tank if necessary.
- 3. Glue the filter housing to the outlet pipe, or use a Polylok Extend & Lok if not enough pipe exists.
- 4. Insert the PL-68 filter into tee.
- 5. Replace and secure the septic tank cover.

PL-68 Maintenance:

The PL-68 Effluent Filter will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped, or at least every three years.

- 1. Do not use plumbing when filter is removed.
- 2. Pull PL-68 out of the tee.
- 3. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
- 4. Insert filter back into tee/housing.

Related Products:

PL-68 Filter Concrete Baffle Extend & Lok™

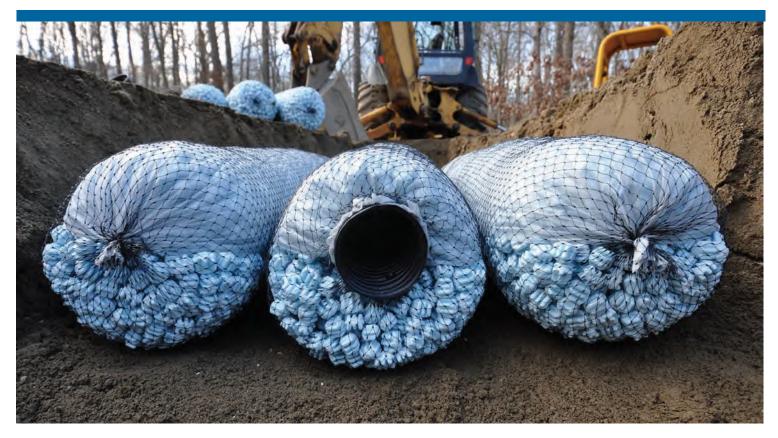


Easily installs into existing tanks.





GEOSYNTHETIC AGGREGATE TECHNOLOGY



EZflow by Infiltrator is an environmentally friendly replacement to traditional stone and pipe drainfields using an engineered geosynthetic aggregate modular design. The EZflow system is designed to improve infiltration performance by eliminating the fines associated with crushed stone, and reducing compaction and embedment associated with stone. Preassembled units include a 3" or 4" perforated pipe surrounded by aggregate and held in place with a durable high-strength netting. This product comes in easy-to-contour 5' and 10' lengths and in diameters of 7, 8, 9, 10, 12, 13, or 14 inches.

Lightweight expanded polystyrene construction offers structural integrity and

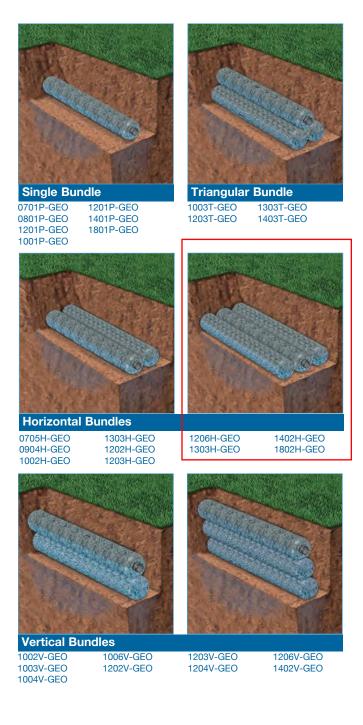
resists compaction. Engineered flow-channels increase void space creating improved water flow and greater storage.





Compared with stone and pipe, benefits include:

- · Always clean and free of fines
- Bundles are quick to install, saving costs on heavy machinery and labor
- Modular construction allows configurations to match trench dimensions for most system shapes and sizes
- Engineered for optimal storage and absorption efficiencies
- Ability to contour along sloped sites and around trees or landscaping
- Lightweight system is perfect for repairs and tight job sites
- · Easily hand-carried into position reducing time and labor
- · 5' or 10' lengths with simple snap, internal couplers
- Easier cleanup at the job site with the elimination of stone
- Manufactured from recycled materials rather than a mined natural resource
- A wide variety of diameters and configurations to meet any installation professional's needs
- Approved in many jurisdictions with an increased efficiency rating, reducing drainfield size
- · Backed by the leader in the onsite wastewater industry



Notes:

- 1. Other systems include 10" and 12" bed systems. Bed size will dictate the number of bundles.
- 2. System dimensions are dependent upon bundle diameter and configuration.
- 3. LLP is for "Low Pressure Pipe" in which a pressurized distribution pipe is field installed within the corrugated pipe.
- 4. Internal pipe and couplings meet the requirements of ASTM F405.
- 5. Bundles are also available without geotextile between the netting and synthetic aggregrate.

INFILTRATOR WATER TECHNOLOGIES STANDARD LIMITED WARRANTY

(a) The structural integrity of each EZflow by Infiltrator expanded polystyrene drainfield system and other accessories manufactured by EZflow by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator'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 notify Infiltrator 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 EZflow by Infiltrator to be covered by this Limited Warranty. EZflow by 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 EZflow system is manufactured by anyone other than EZflow by 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, labor and materials, overhead costs, or other losses or expenses incurred by 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; 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 materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, 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 Holder.

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.



4 Business Park Road P.O. Box 768 Old Saybrook, CT 06475 860-577-7000 • Fax 860-577-7001 **1-800-221-4436** www.infiltratorwater.com

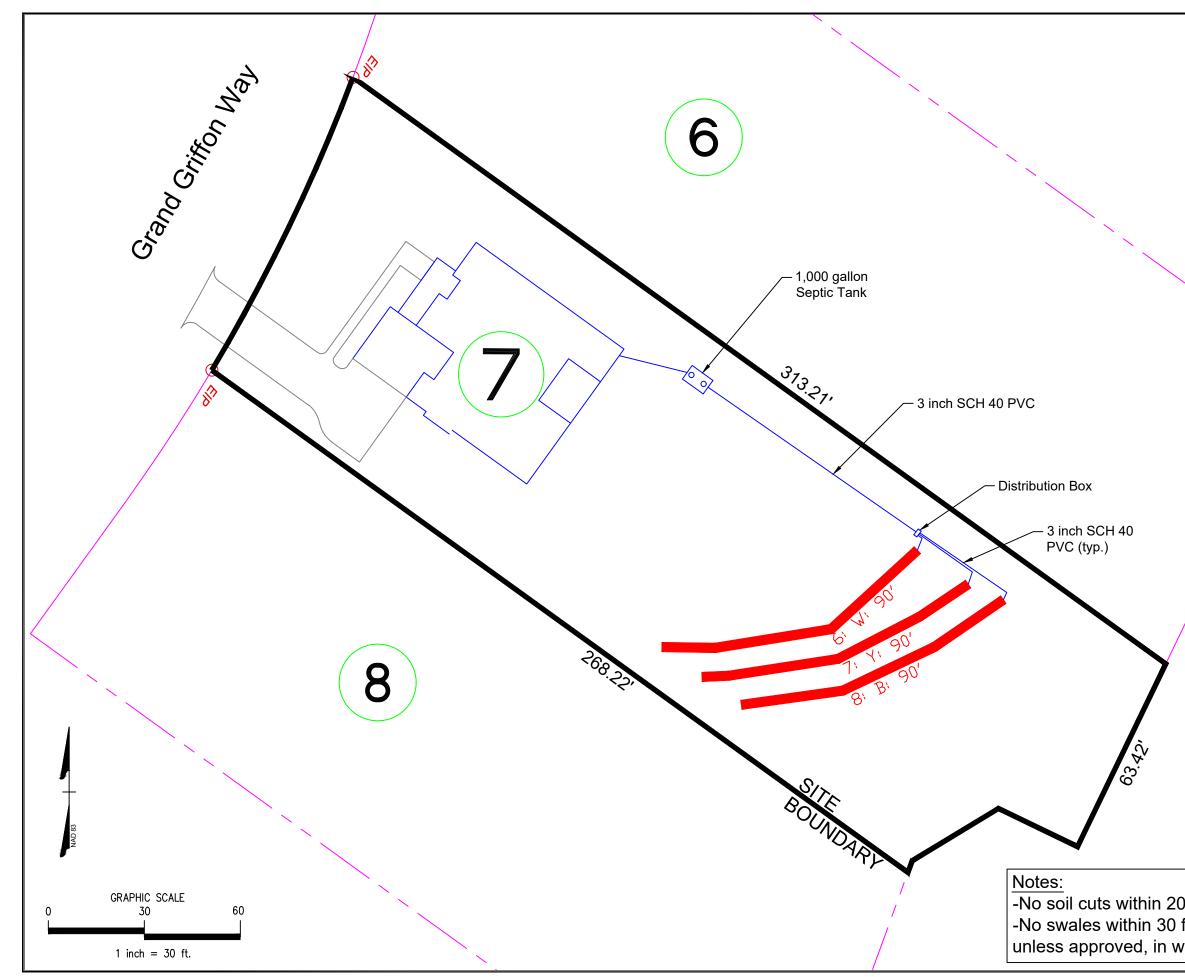
U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Water Technologies. Infiltrator Water Technologies. Infiltrator Water Technologies. PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC. Ultra-Rib is a trademark of IPEX Inc. © 2015 Infiltrator Water Technologies, LLC. All rights reserved. Printed in U.S.A.

Contact Infiltrator Water Technologies' Technical Services Department for assistance at 1-800-221-4436

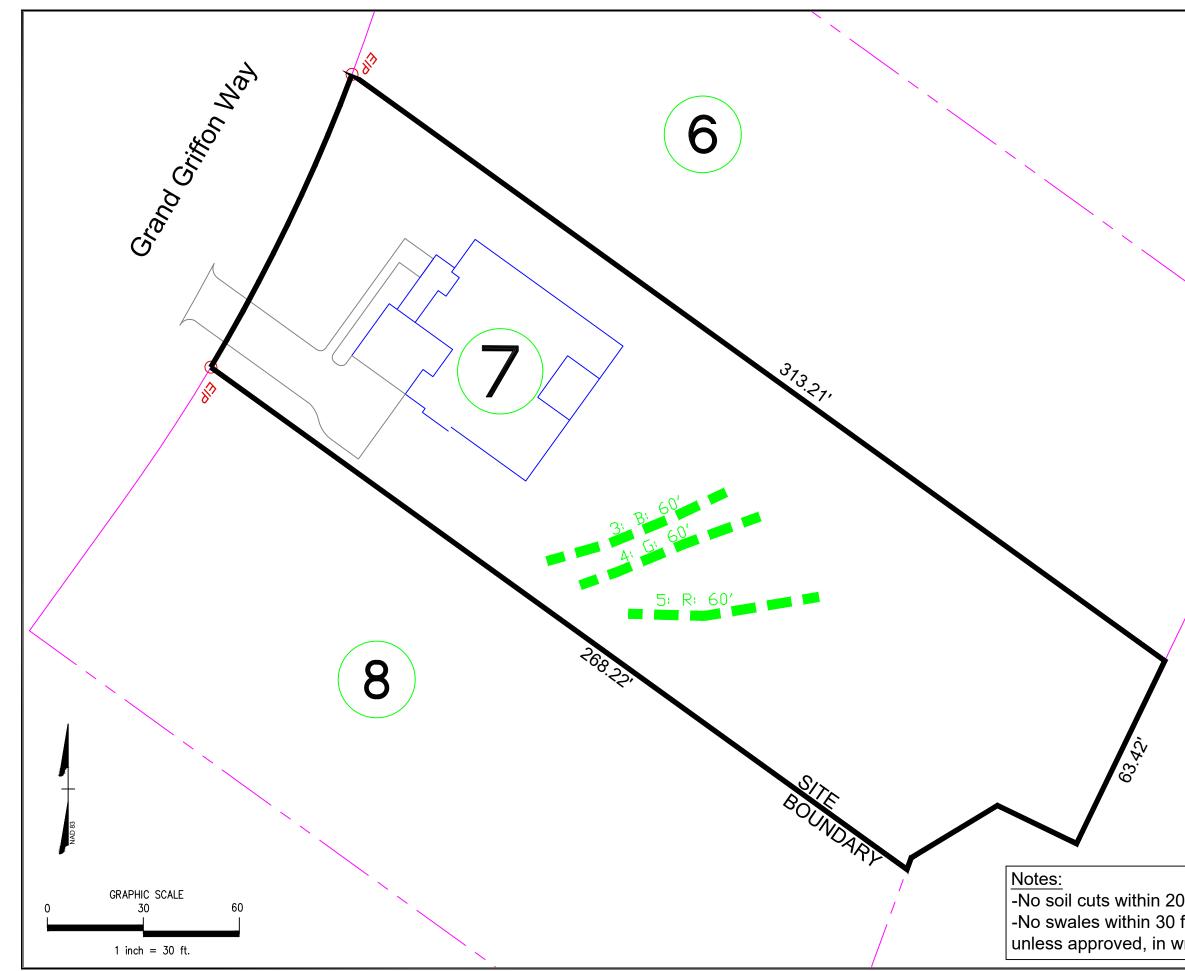
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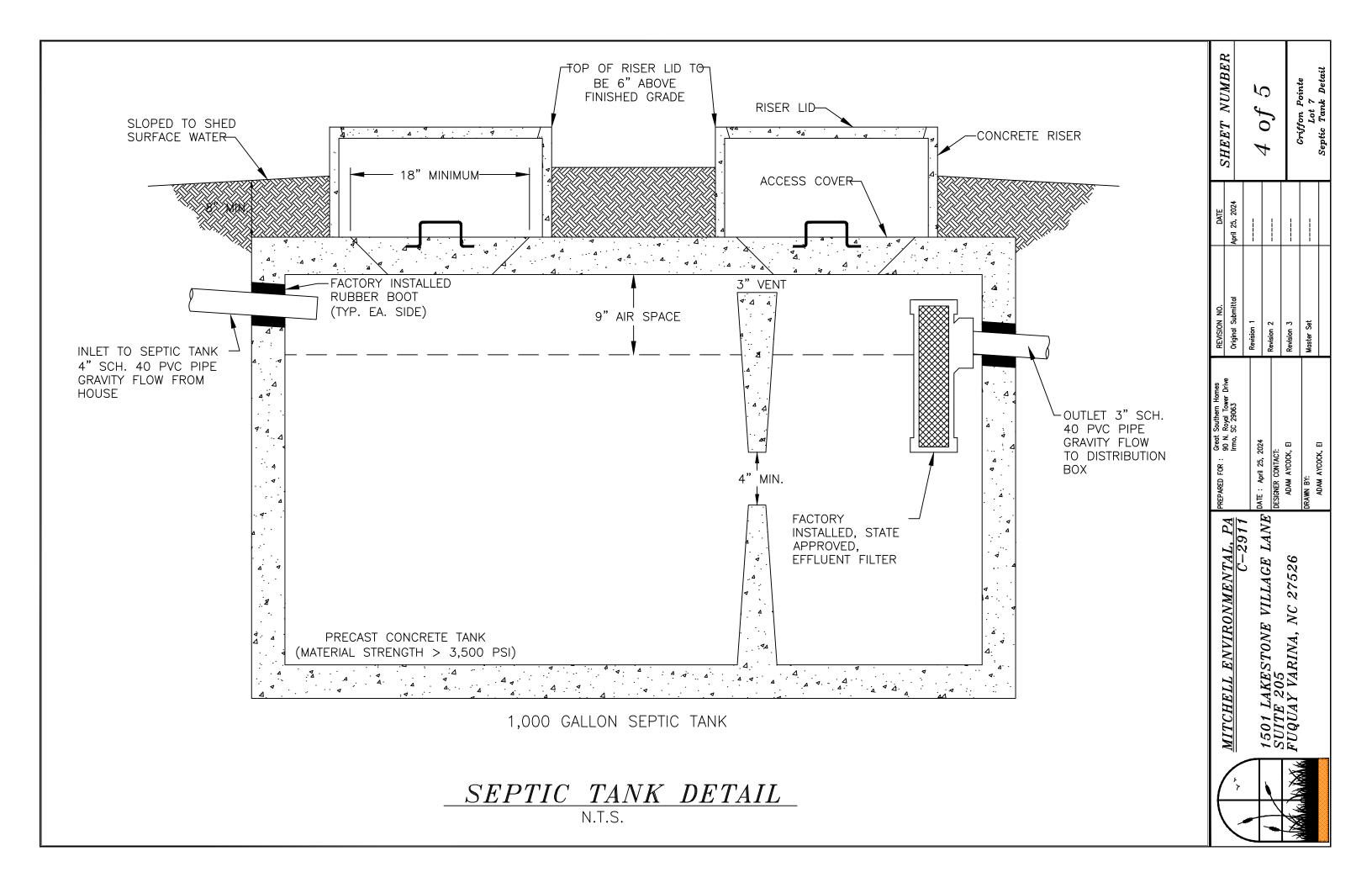
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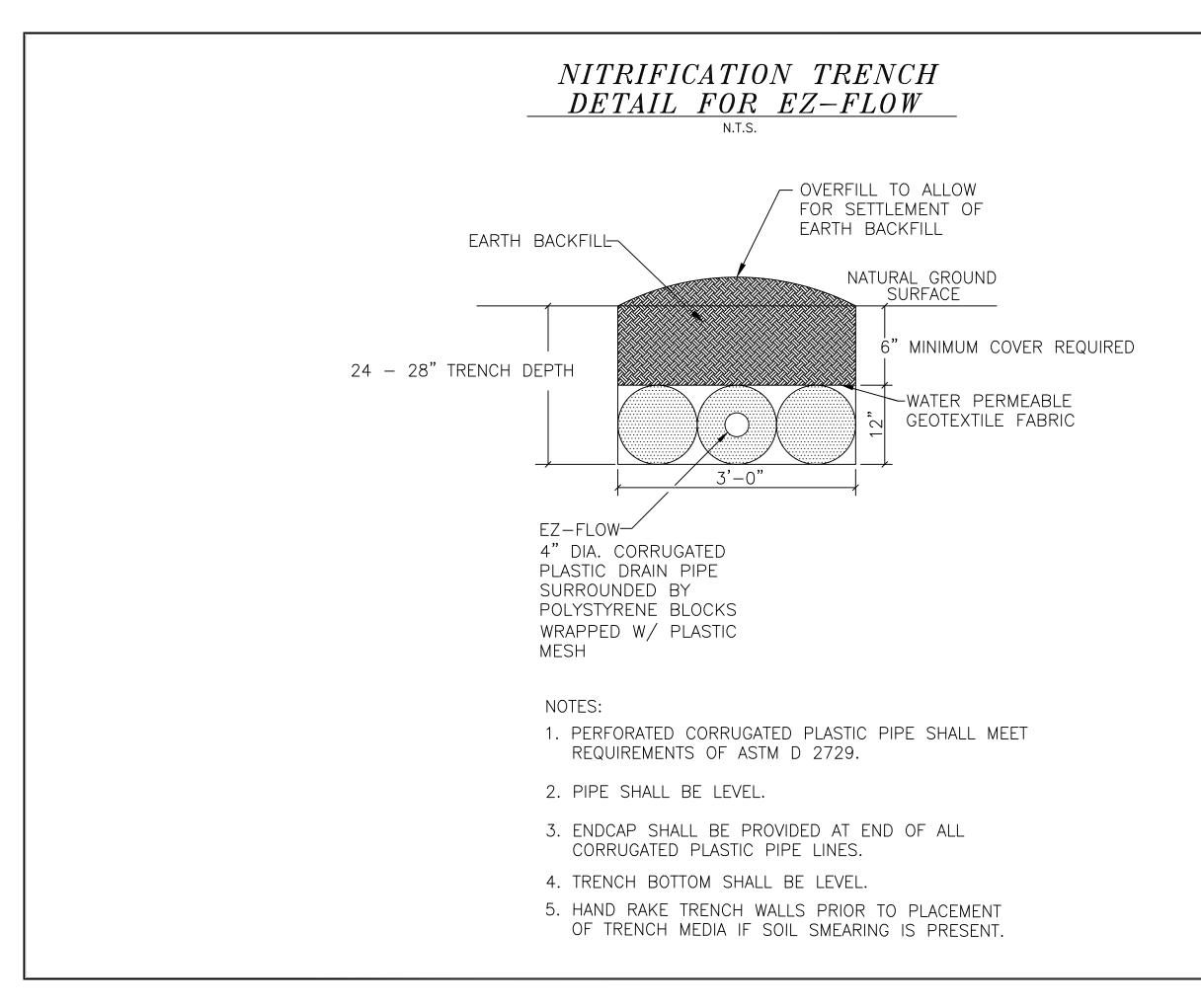


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	DATE	April 25, 2024					
	REVISION NO.	Original Submittal	Revision 1	Revision 2	Revision 3	Master Set	
	PREPARED FOR : Great Southern Homes	90 N. Koyal lower Drive Irmo, SC 29063	DATF · Anril 25, 2024	DESIGNER CONTACT:	ADAM AYCOCK, EI	DRA	ADAM ATCUCK, EI
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	DATE	April 25, 2024					
	REVISION NO.	Original Submittal	Revision 1	Revision 2	Revision 3	Master Set	
	PREPARED FOR : Great Southern Homes	90 N. Koyal lower Drive Irmo, SC 29063	DATF : Anril 25 2024	DESIGNER CONTACT:	ADAM AYCOCK, EI	DRA	ADAM AYCOCK, EI
	ŗ	<u>MITCHELL ENVIRONMENTAL, PA</u> 7_9011		1501 LAKESTONE VILLAGE LANE	FUQUAY VARINA, NC 27526	<u> </u>	
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		C-2911	•			
			DATE : Anril 25 2024	Revision 1		
7		1501 LAKESTONE VILLAGE LANE		Devision 9		
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