

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

County: Harnett

Pre-Construction Conference Required: Yes ☐ No ☒

PIN/Lot Identifier: 0610-50-2136.000

Issued To: LGI Homes NC LLC

Property Location: 128 Boone Docks Drive, Lillington, NC

AOWE/PE Plans/Evaluations Provided: Yes ☒ No ☐ If yes, name and license number of AOWE/PE: PE 27458

Facility Type: Single-Family Dwelling Unit

Number of bedrooms: 4 Number of Occupants: 8 or less Other: _____

☒ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of Use

Basement? ☐ Yes ☒ No Basement Fixtures? ☐ Yes ☐ No

Crawl Space? ☐ Yes ☒ No Slab Foundation? ☒ Yes ☐ No

Type of Wastewater System* IIIf (Initial) IIlbe (Repair)

*Please include system classification 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 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☒ No
(if yes, please provide engineering documentation)

Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Type of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☒ Municipal Supply ☐ Spring ☐ Other: _____

Installation Requirements/Conditions

Septic Tank Size: 1,000 gallons Total Trench/Bed Length: 648 feet Trench/Bed Spacing: 6 feet on center

Trench/Bed Width: 18 inches LTAR: 0.30 gpd/ft² Usable Depth to LC (Initial)*: 30" *Limiting condition

Soil Cover: 6 inches Slope Corrected Maximum Trench/Bed Depth*: 17 inches *Measured on the downhill side of the trench

Pump Tank Size (if applicable): N/A gallons Requires more than 1 pump? ☐ Yes ☐ No

Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): N/A gallons

Distribution Method: ☐ Serial ☒ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: _____

Artificial Drainage Required: Yes ☐ No ☒ If yes, please specify details: _____

Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [.0204(g)]: ☐ Yes ☒ No Declaration of Restrictive Covenants: ☐ Yes ☒ No

Easement, Right-of-Way, or Encroachment Agreement Required [.0301(b)]: ☐ Yes ☒ No

Management Entity Required: ☐ Yes ☒ No Minimum O&M Requirements: _____

Permit conditions: Secondary lid, concrete plug, or other safety mechanisms shall be provided inside all risers.

Trench walls shall be raked when any Group III or Group IV soils are present. Inspector to confirm prior to product placement.

Photo documentation of trench sidewall raking is required, where Group III or Group IV soils are present.

All lot corners and boundaries shall be clearly marked by a licensed surveyor prior to system installation.

Septic system installation not allowed when soil moisture conditions are near saturation within initial or repair drainfield areas.

No garbage disposals / insinkerator allowed in the house. County shall provide system O&M guidance materials to Owner.

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. 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 15A NCAC 18E, or 15A NCAC 18A-1900, as applicable, and to the conditions of this permit.

AOWE/PE Print Name: B. Scott Mitchell

AOWE/PE Signature: _____

Date: April 11, 2025

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch*

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 is required.)

The following items are missing: _____

Copies of this were sent to the AOWE/PE and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

☐ 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 items are being resubmitted pursuant to G.S. 130A-335(a5) for issuance of the Construction Authorization:

I, _____ hereby attest that the information required to be included with this re-submittal
Authorized Onsite Wastewater Evaluator (Print Name)
is accurate and complete to the best of my knowledge and that the proposed Construction Authorization meets all applicable federal, State, and local laws, regulations, rules, and ordinances.

Signature of Authorized On-Site Wastewater Evaluator

Date

The section below is for Local Health Department use after submittal of items noted as missing above.

LHD Follow-up Completeness Review of Construction Authorization

The review for completeness of this Construction Authorization re-submittal 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 is required.)

The following items are missing:

Copies of this were sent to the AOWE/PE and the Applicant on _____
Date

State Authorized Agent: _____

Date: _____

☐ Complete

State Authorized Agent: _____

Date: _____



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).

107/127/136/114 Camp Rock Rd.

Subject Property (Address, PIN, etc.): *128 Boone Docks Dr., Lillington NC 27546*

Property Owner Name (Print): *LGI Homes*

Owner Representative (Print): *Keith Sears*

Owner Representative (Sign): *Keith Sears*

Date: *12/26/24*



MITCENV-01

EMARTY

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/16/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Alera Group 4131 Parklake Avenue, Suite 225 Raleigh, NC 27612	CONTACT NAME: Select Business Unit	
	PHONE (A/C, No, Ext): (919) 469-2473	FAX (A/C, No): (919) 467-4987
	E-MAIL ADDRESS: em@trisure.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Westchester Surplus Lines	10172
INSURED Mitchell Environmental PA Scott Mitchell 5601 Maggie Run Lane Fuquay Varina, NC 27526	INSURER B : Sirius America Insurance Company	38776
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

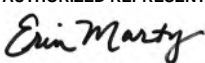
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			G28210486009	1/27/2025	1/27/2026	EACH OCCURRENCE \$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000
							MED EXP (Any one person) \$ 10,000
							PERSONAL & ADV INJURY \$ 1,000,000
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
							\$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			G46616182008	1/27/2025	1/27/2026	EACH OCCURRENCE \$ 1,000,000
							AGGREGATE \$ 1,000,000
							\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	WC PC 602055-000	2/7/2025	2/7/2026	<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
							E.L. EACH ACCIDENT \$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Professional Liabili			G28210486009	1/27/2025	1/27/2026	Limit 1,000,000
A	Professional Liabili			G28210486009	1/27/2025	1/27/2026	Limit 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Operations of the Named Insured covered by the above referenced policies.

CERTIFICATE HOLDER

CANCELLATION

LGI Homes – NC, LLC 1450 Lake Robbins Drive Suite 430 The Woodlands, TX 77380	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

Mitchell Environmental, P.A.

SEPTIC SYSTEM DESIGN

for

BOONE TRAIL VILLAGE SUBDIVISION- LOT 14

Lillington, Harnett County, North Carolina

Submitted to:

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

Prepared for:

LGI Homes
5511 Capital Center Drive
Suite 550
Raleigh, North Carolina 27606

Prepared by:

Scott Mitchell, PE, LSS
Adam Aycok, EI

DATE: April 9, 2025
PROJECT NO.: 1624





Harnett County GIS

PID: 130519 0103 19

PIN: 0610-50-2136.000

Account Number: 1500028388

Owner: LGI HOMES NC LLC

Mailing Address: 1450 LAKE ROBBINS DR STE 430 THE WOODLANDS, TX 77380-3294

Physical Address: 128 BOONE DOCKS DR LILLINGTON, NC 27546 ac

Description: LOT#14 BOON TRAIL VILLAGE PH1 MAP#2024-600

Surveyed/Deeded Acreage: 1.35

Calculated Acreage: 1.35

Deed Date: 1650949200000

Deed Book/Page: 4144 - 0878

Plat(Survey) Book/Page: 2024 - 600

Last Sale: 2022 - 4

Sale Price: \$2220000

Qualified Code: A

Vacant or Improved: V

Transfer of Split: T

Actual Year Built:

Heated Area : SqFt

Building Count : 0

Building Value: \$0

Parcel Outbuilding Value: \$0

Parcel Land Value: 0

Market Value: \$0

Deferred Value: \$0

Total Assessed Value: \$0

Zoning: RA-30 - 1.35 acres (100.0%)

Zoning Jurisdiction: Harnett County

Wetlands: No

FEMA Flood: Minimal Flood Risk

Within 1mi of Agriculture District: Yes

Elementary School: Boone Trail Elementary

Middle School: Western Harnett Middle

High School: Western Harnett High

Fire Department: Boone Trail

EMS Department: Medic 12, D12 EMS

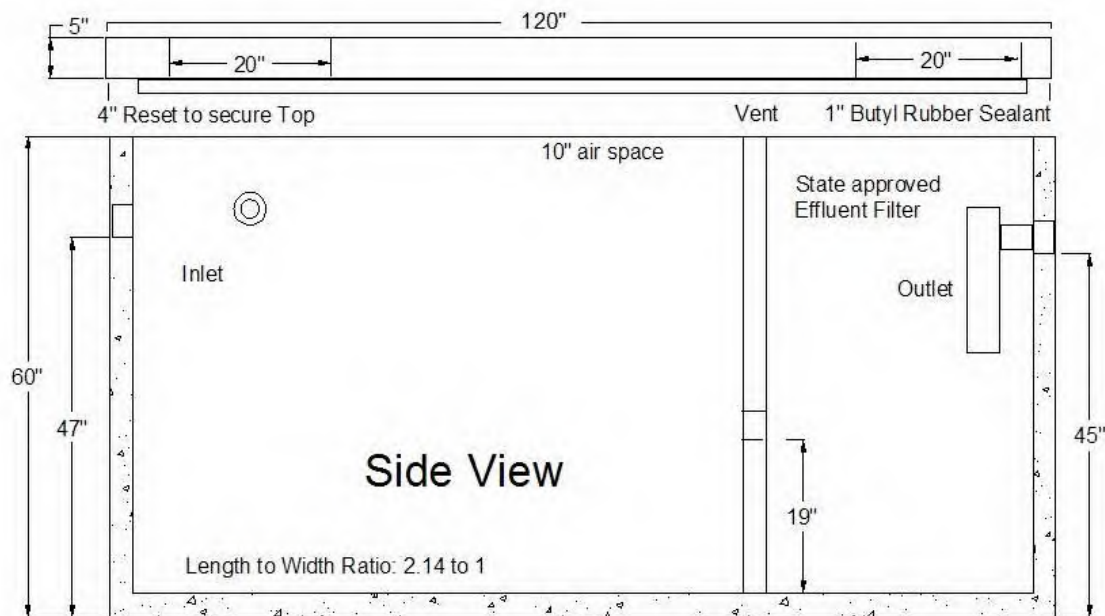
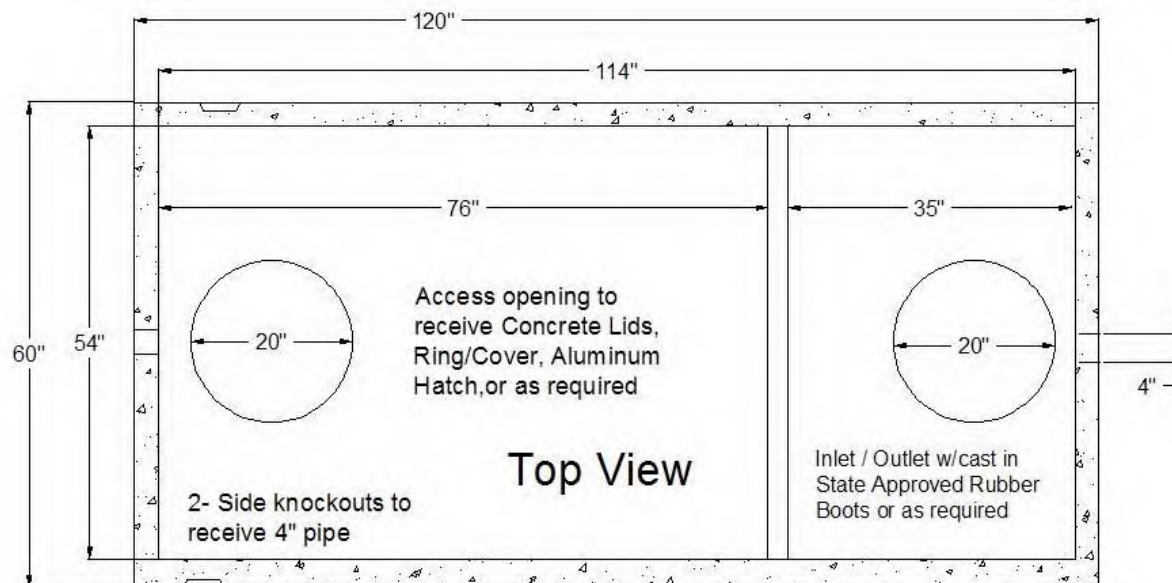
Law Enforcement: Harnett County Sheriff

Voter Precinct: Boone Trail

County Commissioner : Duncan Edward Jagers

School Board Member: Duncan Jagers





STB - 345 - Top Seam

Approval Date: 12 - 09 - 99

Liquid Capacity 1007 Gallons

Non Traffic Rated

Reinforcing Schedule: # 3 Grade 60 Rebar

4500 PSI Concrete w/ State Approved Structural Fiber

Est. Weight: 8,200 lbs.

Manufactured By:

GARNERS

Septic Tanks, Inc.

Eddie Garner, President

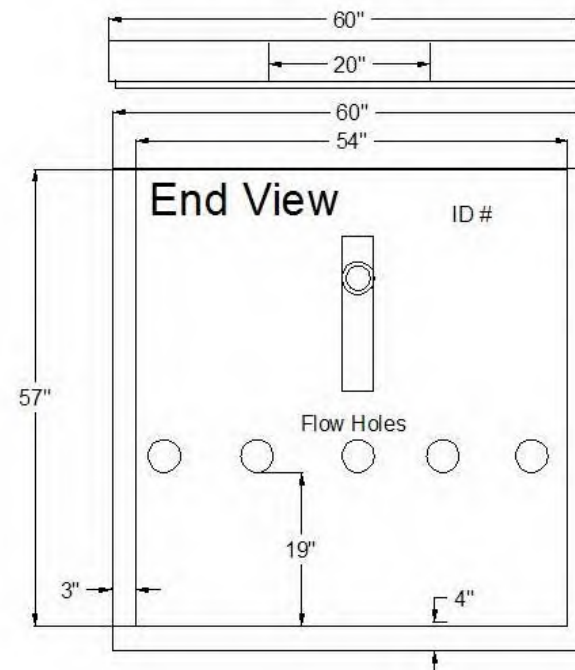
919-718-5181

121 Stanton Hill Road

Carthage, NC 28327

Fax 919-775-2229

Eddie@garnersseptic tanks.com



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.

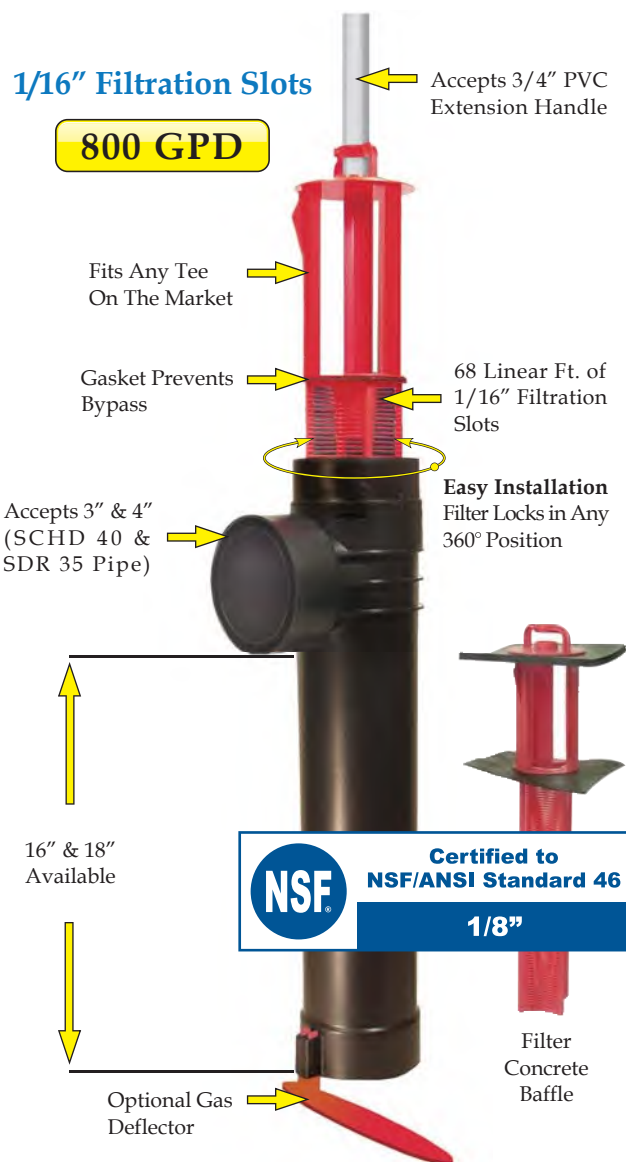
PL-68 Maintenance:

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 & LokTM



Extend & LokTM
Easily installs
into existing tanks.



Spacer Bushing
4" SCHD 40
to SDR 35



Spacer Bushing
4" SCHD 40
to 110mm Pipe



2" Extender

Shortcut on How to Determine Linear Feet Needed

- Permit was written for Conventional Gravel System
 - **MULTIPLY BY 1.2**
 - 3 lines 120 feet long of gravel = 360 lf
 - $360 \text{ lf} \times 1.2 = 432 \text{ lf of LDP}$
- Permit was written for an "Accepted" product with a 25% reduction applied
 - **MULTIPLY BY 1.6**
 - 3 lines 110 feet long = 330 lf (Accepted w/25% reduction applied)
 - $330 \text{ lf} \times 1.6 = 528 \text{ LF of LDP}$



Installation Instructions for 10 Inch "No-Rock" Large Diameter Septic Pipe (LDP)



P.O. Box 2068
Highway 24 West .
Roseboro, NC 28382
Email: cppsales@cpp-pipe.com
910-525-4046 or 1-800-334-5071

Website: www.cpp-pipe.com

LARGE DIAMETER PIPE (LDP) - FACTS

- Been in the North Carolina Onsite Wastewater Rules, Section .1956 (3)(a) (i) since the early 1980's.
- In the forthcoming 18E Rules Large Diameter Pipe can be found in Section .0904
- Can be used in any soil class where the maximum LTAR is 0.08 or less.
- August 5, 2020 CRUMPLER PLASTIC PIPE 10 Inch "No Rock" Large Diameter Pipe received "ACCEPTED" status approval for use in North Carolina. (AWWS 2020-01)
- 10 Inch LDP is equivalent to a 2.5 foot wide conventional gravel trench.
- 8 Inch LDP is equivalent to a 2.0 foot wide conventional gravel trench.

LDP Pipe Size	Minimum Trench Width	Maximum Trench Width	Minimum Trench Spacing
8 Inch	10 Inches	18 Inches	5 Foot OC
10 Inch	12 Inches	24 Inches	6 Foot OC

To determine how many linear feet of LDP you need use the following formula:

$$TL = [(DDF/LTAR)]/ETW$$

Where TL = Trench Length

DDF = Daily Design Flow

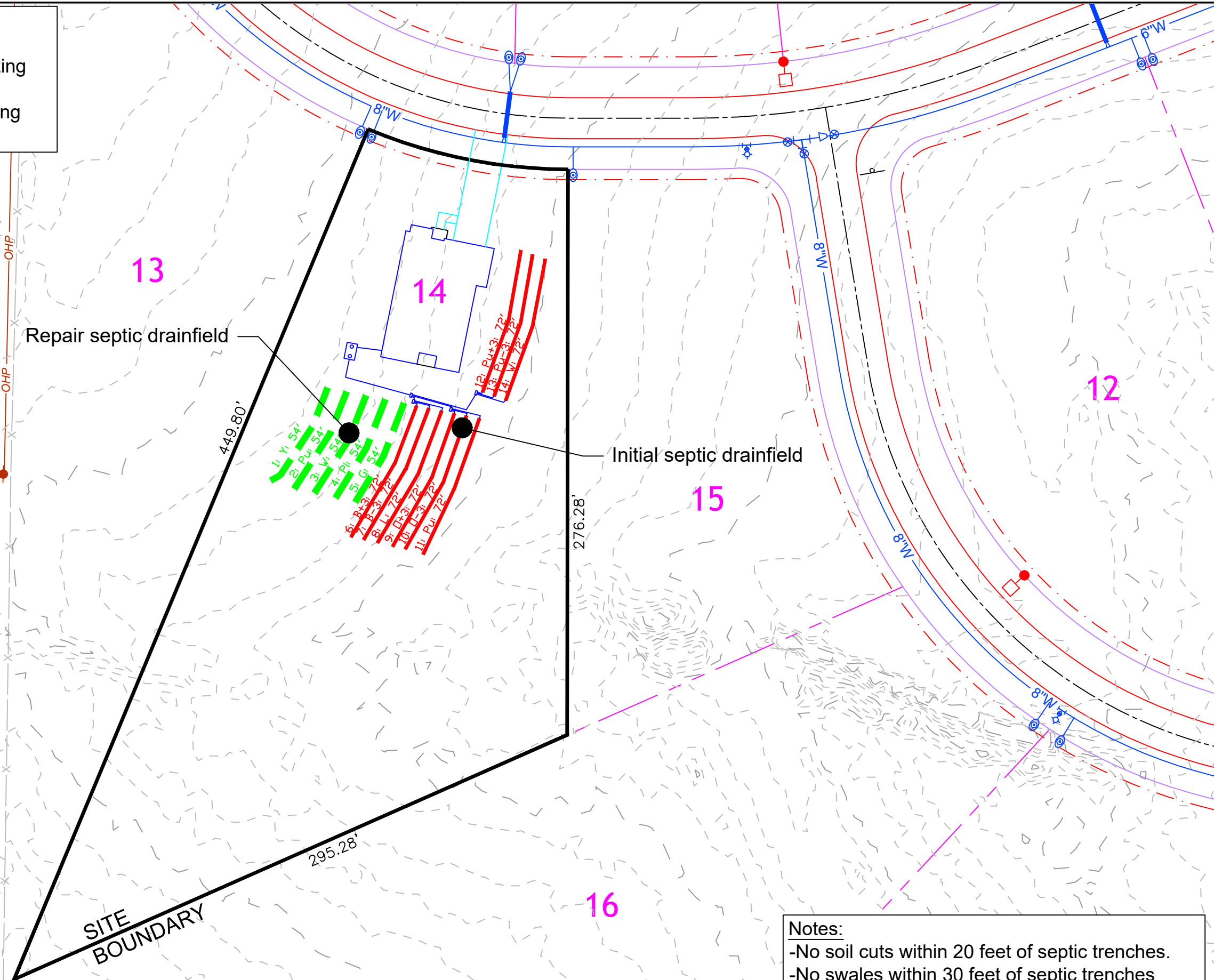
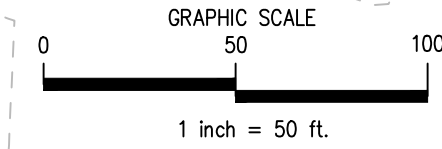
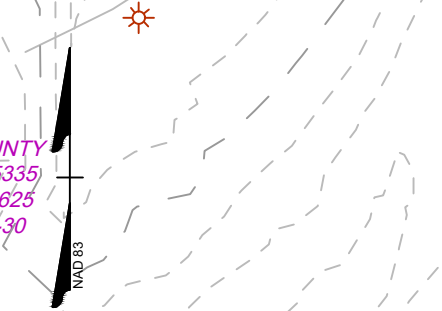
LTAR = Long Term Acceptance Rate

ETW = Equivalent Trench Width (for LDP = 2.5)

RECOMMENDED INSTALLATION INSTRUCTIONS:

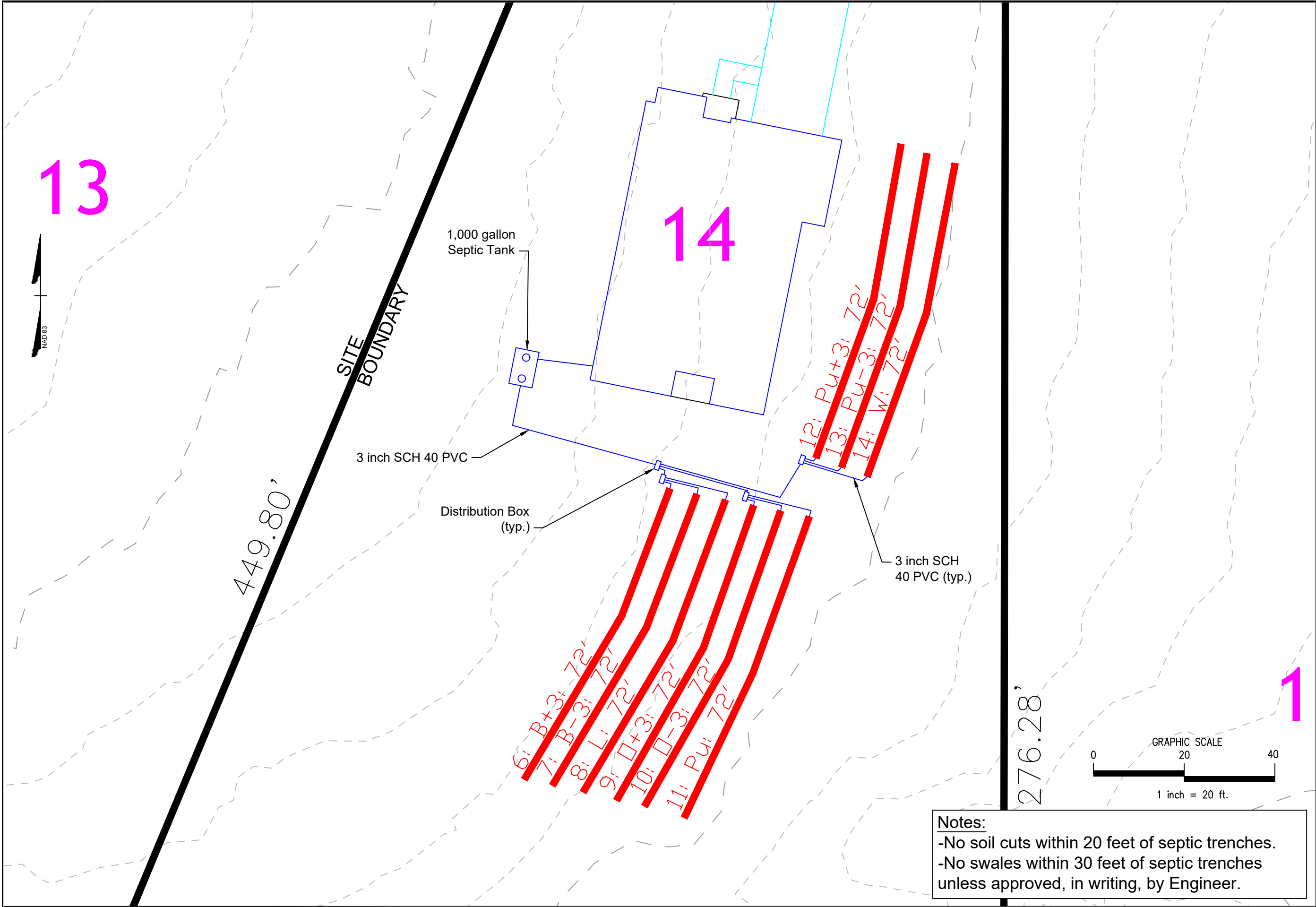
1. Dig trench to specified depth as defined on the septic permit.
2. Ensure grade (fall) does not exceed 1 inch in 100 feet.
3. Rake trench bottom smooth and remove any large clods, rocks, roots or other debris if present.
4. Remove the black protective wrap just prior to installation of the LDP!
5. Connect the LDP together to the desired length. LDP can be cut to the exact length needed for the installation.
6. Assemble the joints together utilizing the provided snap coupler. Roll back the extra fabric at the joint and save for use later
7. Ensure the "Yellow Stripe" is facing up at the top of the pipe.
8. Secure the joints of pipe to the snap coupler with 1 1/2" sheet rock screws or equivalent .
9. Roll the extra fabric up over and around the snap coupler and joint. (Note: You can assemble the LDP either outside the trench then lay the pipe into the trench or inside the trench.)
10. After the LDP is assembled in the trench ensure the "Yellow Stripe" is still position on top of the pipe.
11. Install the End Cap and Combo Cap as needed. Secure caps with 1 1/2" sheetrock screws or equivalent and/or "Tile" tape.
12. Prior to backfilling the trench, ensure the LDP remains in the center of the trench. For trench excavations widths greater than 15" wide this may require placing soil around each side of the pipe every 10 feet or so to keep it from moving.

4-Bedroom
LTAR: 0.3 gpd/ft²
Initial: Gravity-to-10" LDP utilizing
lines 6-14 (648')
Repair: Pump-to-PPBPS utilizing
lines 1-5 (270')



Notes:
-No soil cuts within 20 feet of septic trenches.
-No swales within 30 feet of septic trenches
unless approved, in writing, by Engineer.

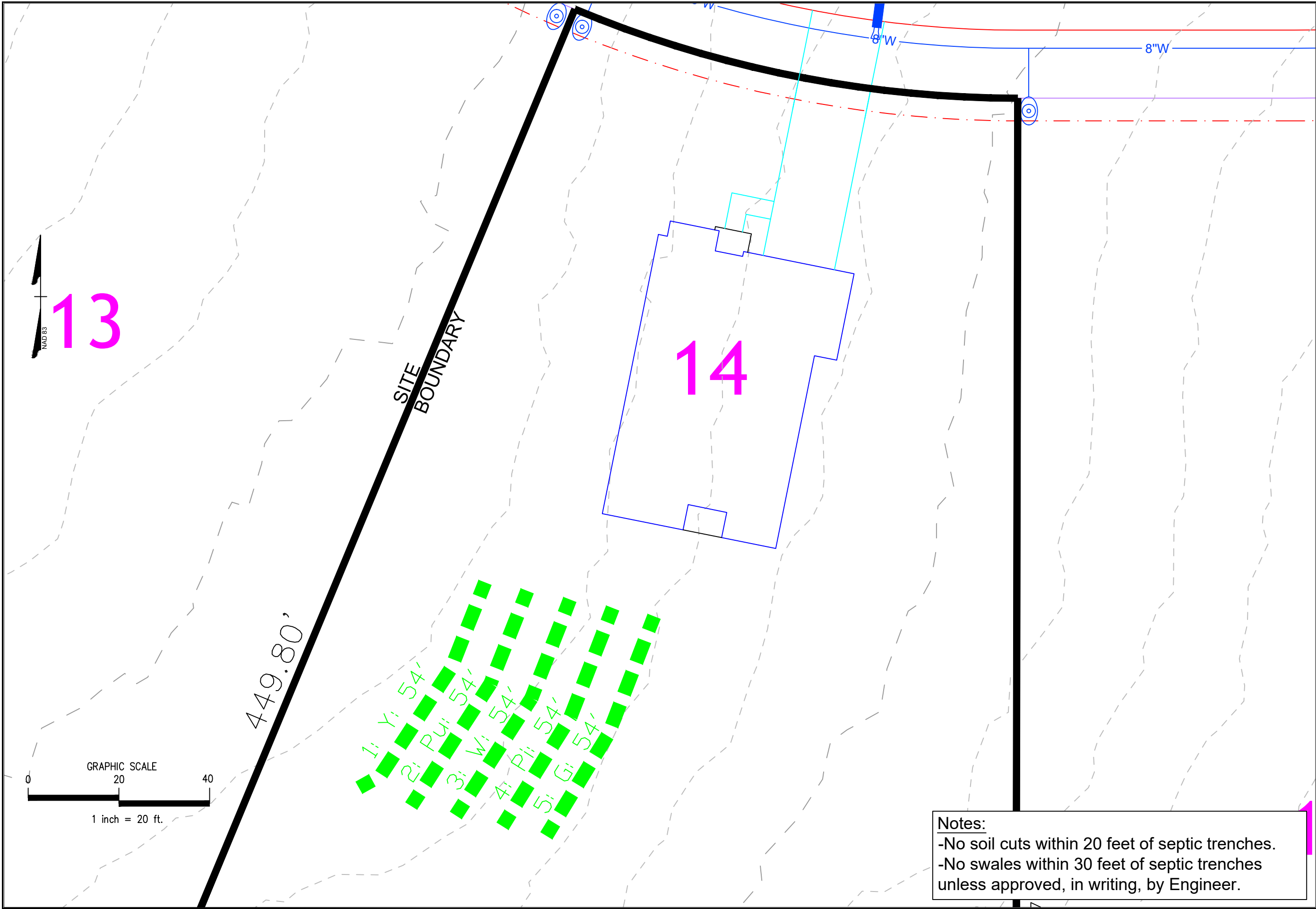
	SHEET NUMBER		1 of 5	
	DATE		January 8, 2025	
REVISION NO.		Original Submittal		Revision 1
DATE		April 9, 2025		Revision 2
DESIGNER CONTACT:		ADAM AYCOCK, EI		Revision 3
DRAWN BY:		ADAM AYCOCK, EI		Master Set
PREPARED FOR : LQ Homes 5511 Capital Center Drive Suite 560 Raleigh, NC 27612				
DATE : April 9, 2025				
DESIGNER CONTACT: ADAM AYCOCK, EI				
DRAWN BY: ADAM AYCOCK, EI				
MITCHELL ENVIRONMENTAL, PA C-2911 1501 LAKESTONE VILLAGE LANE SUITE 205 FUQUAY VARINA, NC 27526				



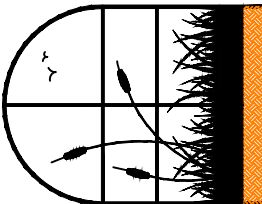
Notes:
-No soil cuts within 20 feet of septic trenches.
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unless approved, in writing, by Engineer.

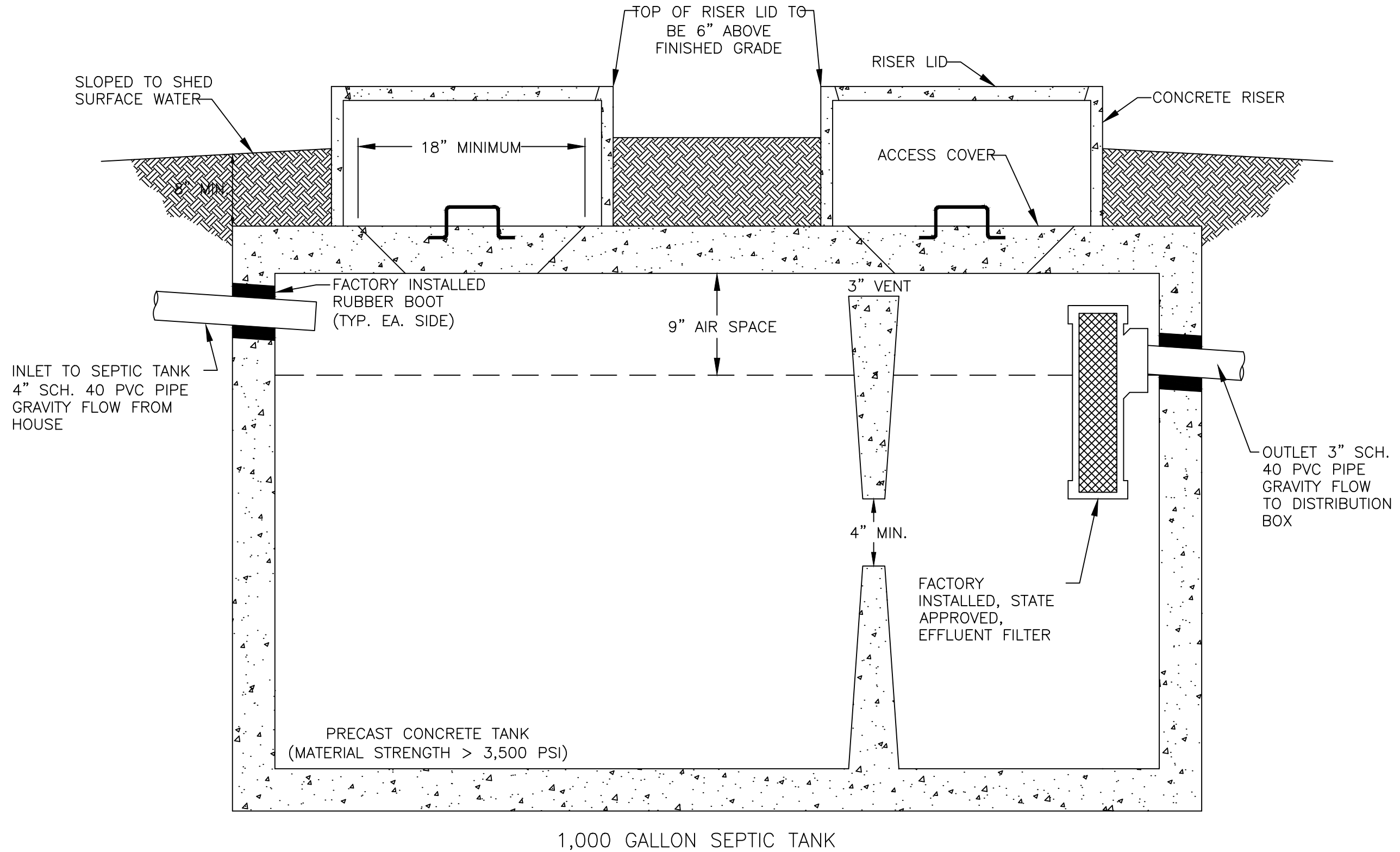
	<u>MITCHELL ENVIRONMENTAL, PA</u> <u>C-2911</u>			PREPARED FOR : LGI Homes 5511 Capital Center Drive Suite 560 Raleigh, NC 27612		REVISION NO.	DATE	SHEET NUMBER 2 of 5
	1501 LAKESTONE VILLAGE LANE SUITE 205 FUQUAY VARINA, NC 27526			DATE : April 9, 2025		Original Submittal	January 8, 2025	
				DESIGNER CONTACT: ADAM AYCOCK, EI		Revision 1	April 9, 2025	
						Revision 2	-----	
						Revision 3	-----	
				DRAWN BY: ADAM AYCOCK, EI		Master Set	-----	

MITCHELL ENVIRONMENTAL, PA
C-2911
1501 LAKESTONE VILLAGE LANE
SUITE 205
FUQUAY VARINA, NC 27526

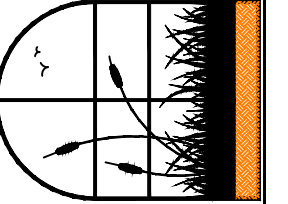


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-No swales within 30 feet of septic trenches
unless approved, in writing, by Engineer.

 <u>MITCHELL ENVIRONMENTAL, PA</u> <u>C-2911</u> 1501 LAKESTONE VILLAGE LANE SUITE 205 FUQUAY VARINA, NC 27526	PREPARED FOR : LGI Homes 5511 Capital Center Drive Suite 560 Raleigh, NC 27612		REVISION NO.		DATE		SHEET NUMBER	
	DATE : April 9, 2025 DESIGNER CONTACT: ADAM AYCOCK, EI DRAWN BY: ADAM AYCOCK, EI		Original Submittal		January 8, 2025		3 of 5	
			Revision 1		April 9, 2025			
			Revision 2		-----			
			Revision 3		-----			
			Master Set		-----			
						Boone Trail Village Lot 14 Repair Nitrification Field		



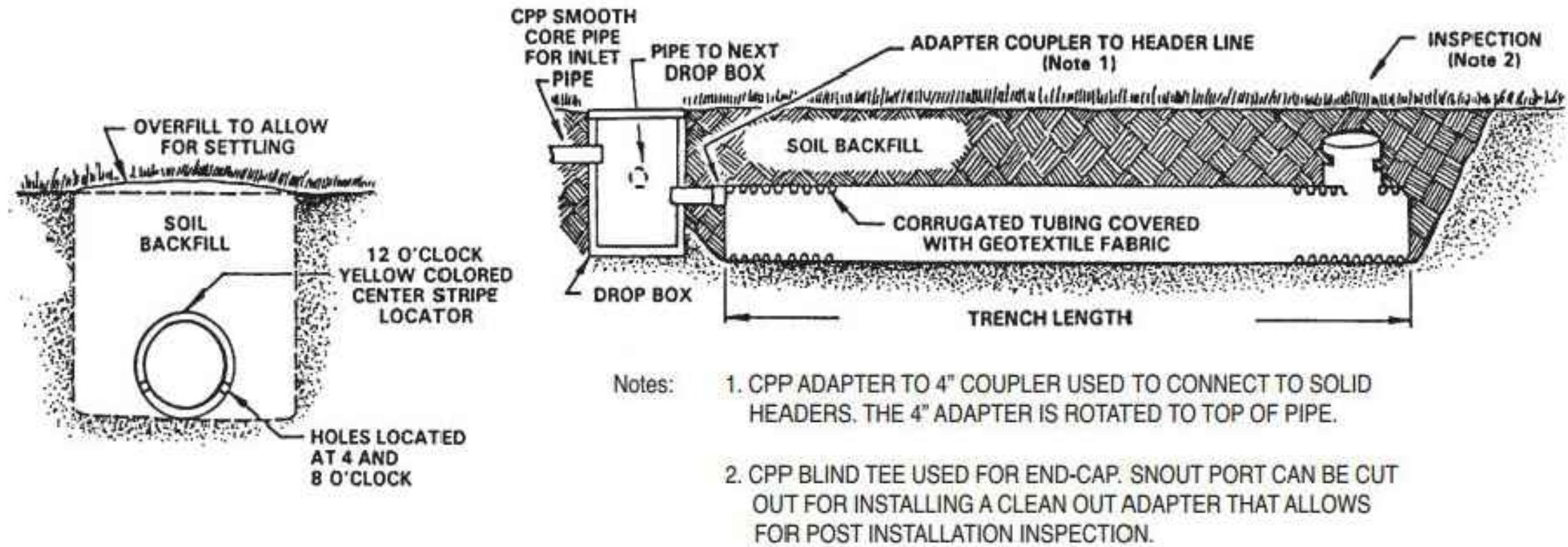
SEPTIC TANK DETAIL N.T.S.


	SHEET NUMBER		4 of 5		Boone Trail Village Lot 14 Septic Tank Detail	
	REVISION NO.	DATE	Original Submittal	January 8, 2025	Revision 1	
			Revision 2		Revision 3	
			Master Set			
	PREPARED FOR : LGI Homes 5511 Capital Center Drive Suite 560 Raleigh, NC 27612	DATE : January 8, 2025	DESIGNER CONTACT: ADAM AYCOCK, EI	DRAWN BY: ADAM AYCOCK, EI		

MITCHELL ENVIRONMENTAL, PA
C-2917
1501 LAKESTONE VILLAGE LANE
SUITE 205
FUQUAY VARINA, NC 27526

PRODUCT: 10" LDP
TRENCH DEPTH: 17" MAXIMUM
TRENCH WIDTH: 18" MAXIMUM
TRENCH SPACING: 6' o.c.

CPP Gravelless LDP Trench Construction Details



	MITCHELL ENVIRONMENTAL, PA C-2911		PREPARED FOR : LBI Homes 5511 Capital Center Drive Suite 560 Raleigh, NC 27612		REVISION NO.		DATE		
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			DESIGNER CONTACT: ADAM AYCOCK, EI		Revision 1		April 9, 2025		
			DRAWN BY: ADAM AYCOCK, EI		Revision 2		-----		
						Revision 3		-----	
						Master Set		-----	