



File # 454821 PIN# _____

Property Address: 105 Guardian St

Applicant or Owner Name: Mungo Homes

Environmental Health Septic/Well Permit Diagram

Building permits cannot be issued nor should construction begin without Construction Authorization issuance.

☒ Septic Improvement Permit ☒ Septic Construction Authorization (CA) ☐ CA Reissue** ☐ As Built
☐ Well Construction Authorization ☒ Additional Diagram/Specifications Attached

Diagram Date**: 6-6-25 EHS: [Signature]

**Any previously dated CA diagram is revoked and/or invalid. Confirm this is the valid diagram for the site before beginning any construction.

Installation/grouting inspections may be scheduled the day before, or, the day of installation until 9am by contacting the Environmental Health office at 919 496 8100. A revisit fee may apply if installation is not ready for inspection at the time requested. Septic Operations Permits will be issued after installation is approved, all permits conditions are met, and any outstanding fees are paid. Well Certificate of Completion will be issued after well head approval, all permit conditions are met, and any outstanding fees are paid.

Septic Tank 1250 Pump Tank _____ Drainfield 3'x550' Type System Acc D-box Max Trench Depth 32"

Septic Contractor _____ Septic/Pump tank dates _____ Pump Fee Paid _____

Well Contractor _____ Well Head Date: _____ Pump Final: _____ N/A (circle)

- I.P. + C.A issued under "a2" rules
- See attached packet from CCSC.



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

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 \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Franklin

PIN/Lot Identifier: 050260

Issued To: Mungo Homes

Property Location: 105 Guardian Street, Youngsville, NC

Subdivision (if applicable) Maison Ridge Lot #: 1 Block: _____ Section: _____

LSS Report Provided: Yes ☒ No ☐

If yes, name and license number of LSS: Jason Hall, NC LSS #1248

New ☒ Expansion ☐ System Relocation ☐ Change of Use ☐

Facility Type: Single-Family Dwelling, 5-Bedroom

Number of bedrooms: 5 Number of Occupants: ≤10 Other: _____

Design Wastewater Strength: ☒ Domestic ☐ High Strength ☐ Industrial Process Wastewater

Proposed Design Daily Flow: 600 GPD Proposed LTAR (Initial): 0.3 Proposed LTAR (Repair): 0.3

Proposed Wastewater System Type*: IIb, accepted (25% reduction) (Initial) Pump Required: ☐ Yes ☒ No ☐ May be required

Proposed Wastewater System Type*: IIIbg, accepted (25% reduction) (Repair) Pump Required: ☒ Yes ☐ No ☐ May be required

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

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

Saprolite System (Initial): ☐ Yes ☒ No Saprolite System (Repair): ☐ Yes ☒ No

Fill System (Initial): ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair): ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Depth to LC (Initial)*: 48" Usable Depth to LC (Repair)*: 48" ** Limiting Condition*

Max. Trench Depth (Initial)*: 32" Max. Trench Depth (Repair)*: 32" ** Measured on the downhill side of the trench*

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

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

Drainfield location meets requirements of Rule .0508: Yes ☒ No ☐ Drainfield location meets requirements of Rule .0601: Yes ☒ No ☐

Permit valid for: ☒ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

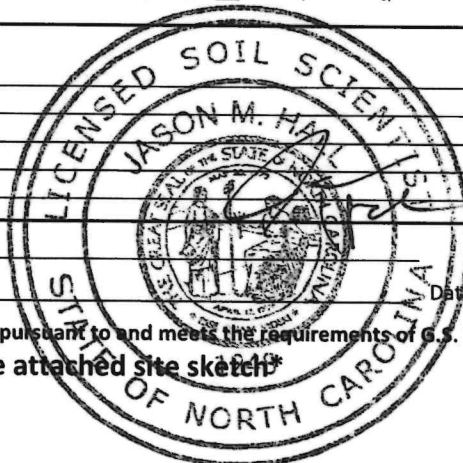
Licensed Soil Scientist Print Name: Jason Hall

Licensed Soil Scientist Signature: [Signature]

Date: 06/02/2025

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

See attached site sketch





This Section for Local Health Department Use Only

Initial submittal received: 6-6-25 by SEL
Date Initials

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, 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 Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit 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 Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit 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 LSS and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

☒ Complete

State Authorized Agent: [Signature] Date: 6-6-25

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. **This permit is subject to revocation if the site plan, plat, or the intended use changes.** The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E 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 evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 6-6-30

See attached site sketch



Central Carolina Soil Consulting, PLLC

1900 South Main Street, Suite 110, Wake Forest, NC 27587

Office Number: 919-569-6704

June 2, 2025

Job #4862

Mungo Homes

Attention: Naldo Echevarria

2521 Schieffelin Road, Suite 116

Apex, NC 27502

RE: Preliminary soil/site evaluation for a single-family dwelling wastewater approval at Maison Ridge Subdivision, Lot 1 (5-bedroom) in Franklin County pursuant to and meets the requirements of G.S. 130A-335(a2)."

Dear Mr. Echevarria:

Central Carolina Soil Consulting, PLLC conducted a preliminary soil evaluation on the aforementioned lot to determine the areas of suitable soils that are suitable for subsurface wastewater disposal systems (conventional, Accepted & Innovative). **"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."** The soil/site evaluation was performed using auger borings in May 2025, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15A NCAC 18E "Wastewater Treatment and Dispersal Systems". From this evaluation, CCSC laid out and located the septic layout and gps'd for site plan drawing purposes. **Please note that the lot lines must be clearly marked by your surveyor prior to system installation by your installer to verify all setbacks before digging.**

Based on the findings during the field evaluation, the area on the attached map has at least 48 inches (initial) and 48 inches (repair) of suitable soils for a modified conventional septic system. The assigned LTAR for the initial system site is 0.3 gpd/ft² with a maximum depth of 32 inches on the downhill side of the trench for the initial system installation of the drain lines due to slope correction. The assigned LTAR for the repair system site is 0.3 gpd/ft² with a maximum depth of 32 inches on the downhill side of the trench for the repair system installation of the drain lines due to slope correction.

The lot is proposed to have a 5-bedroom system for the house. A septic system field layout was completed based on the house location and property lines surveyed in the field.

The proposed Initial system for the house is a Gravity to D-Box distribution using lines 6-10 totaling 550 feet of accepted product (25% reduction). The repair system for the house is a Pressure Manifold distribution using lines 1-5 totaling 535 feet of accepted product (25% reduction).

Tanks: (All tanks must meet requirements set forth in 15A NCAC 18E .0801)

The septic tank should be minimum 1,250 gallons with risers. The tank should also have pressed in rubber boots on both the inlets and the outlets of the tank, along with having secondary safety lids or devices on all the openings.

Septic Installation:

The septic system for the lot should be installed during dry soil conditions. The septic system should be installed on contour while maintaining all required setbacks. **Lot lines must be clearly marked by your surveyor prior to system installation so your installer can verify all setbacks before digging.**

Setbacks: (see septic design page for locations)

- **Septic and Pump Tanks** (see septic design)
 - 10' minimum from property lines
 - 5' minimum from house
- **Septic Lines** (see septic design)
 - 10' minimum from property lines
 - 5' minimum from house
- **Manifold's and D-Box's** (see septic design)
 - 5' minimum from property lines
- **Supply Lines** (see septic design)
 - 5' minimum from property lines
- **Utilities**
 - Water (10' minimum for all septic components)

Grading:

No grading should be completed within the initial and repair septic areas that change the natural grade of the area. There should be no cutting or filling within the septic areas as well. When grading the lot, no cuts of 2' or greater should be within 15' of the septic areas. If a cut is required near the septic area, keep the cut around 6-8 inches in depth.

SEPTIC SYSTEM:

- Initial System: Gravity to D-Box Distribution, lines 6-10 totaling 550' (see layout)
- Repair System: Pressure Manifold Distribution, lines 1-5 totaling 535' (see layout)
- 600 gal/day flow rate (5-bedroom)
- 1,250 gallon septic tank with risers and pressed in rubber boots on both the inlet and outlet ends and a secondary lid in each tank opening
- 32" max trench depth on the downhill side for the Initial System
- 32" max trench depth on the downhill side for the Repair System
- 0.3 LTAR for Initial
- 0.3 LTAR for Repair
- No grading/filling septic areas
- No cuts >2' within 15' of septic areas
- Keep tanks and drain lines 10' from property lines
- Keep supply line >5' property lines
- Install in dry soil conditions
- Maintain natural contours when clearing the lot

This letter discusses the location of suitable soils for subsurface wastewater disposal systems and does not guarantee the future function of any wastewater system on sites. Central Carolina Soil Consulting, PLLC is a professional consulting firm specializing in soil delineations and designs for on-site wastewater disposal systems.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me at any time. Thank you for allowing Central Carolina Soil Consulting to perform this site evaluation for you.

Sincerely,



Jason Hall

NC Licensed Soil Scientist #1248

AOWE certification number 10004E



Encl: Soil Map & septic layout

Central Carolina Soil Consulting, PLLC

1900 South Main Street, Suite 110, Wake Forest, NC 27587

Page 1 of 1

PROPERTY ID #: 050260

COUNTY: Franklin

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Mungo Homes DATE EVALUATED: 5/28/2025

ADDRESS:

PROPOSED FACILITY: single-family dwelling PROPOSED DESIGN FLOW (.0400): 600 gal/day PROPERTY SIZE: 1.04 Acres

LOCATION OF SITE: 105 GUARDIAN ST, YOUNGSVILLE, 27596 (Maison Ridge Subdivision, lot 1) PROPERTY RECORDED: Yes

WATER SUPPLY: ☒ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other WATER SUPPLY SETBACK:EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Domestic ☐ High Strength ☐ IPWW

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRECTION
			.0503 TEXTURE/ STRUCTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZON		
1	L, 7-8%	AE 0-2	SL GR	VFR, NS, NP						2.88"
		Bt 2-18	C SBK	FI, SS, SP, SEXP						
		BC 18-48	CL SBK	FR, SS, SP, SEXP		S, 48"			S, 0.3	
2	L, 7-8%	AE 0-6	SL GR	VFR, NS, NP						2.88"
		Bt1 6-22	SCL SBK	FR, SS, SP, SEXP						
		Bt2 22-36	C SBK	FI, SS, SP, SEXP						
		BC 36-48	CL SBK	FR, SS, SP, SEXP		S, 48"			S, 0.3	
3	L, 7-8%	AE 0-4	SL GR	VFR, NS, NP						2.88"
		Bt 4-32	C SBK	FI, SS, SP, SEXP						
		BC 32-48	CL SBK	FR, SS, SP, SEXP		S, 48"			S, 0.3	
4	L, 7-8%	AE 0-2	SL GR	VFR, NS, NP						2.88"
		Bt 2-25	C SBK	FI, SS, SP, SEXP						
		BC 25-48	CL SBK	FR, SS, SP, SEXP		S, 48"			S, 0.3	

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): SUITABLE EVALUATED BY: JH OTHER(S) PRESENT: PC
Available Space (.0508)	YES	YES	
System Type(s)	IIb, accepted	IIIb, accepted	
Site LTAR	0.3	0.3	
Maximum Trench Depth	32" on downhill side	32" on downhill side	

Comments:

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE	
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)	
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)	
D (Drainage way)	II	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)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)	
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)	
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)	
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)		
R (Ridge/summit)		Si (Silt)					VP (Very plastic)		
S (Shoulder slope)		IV					SC (Sandy clay)		0.1 - 0.4
T (Terrace)	SiC (Silty clay)		EXP (Expansive)						
TS (Toe Slope)	C (Clay)								
		O (Organic)	None						

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

**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

DEPTH OF FILL

In inches from land surface

RESTRICTIVE HORIZON

Thickness and depth from land surface

SAPROLITE

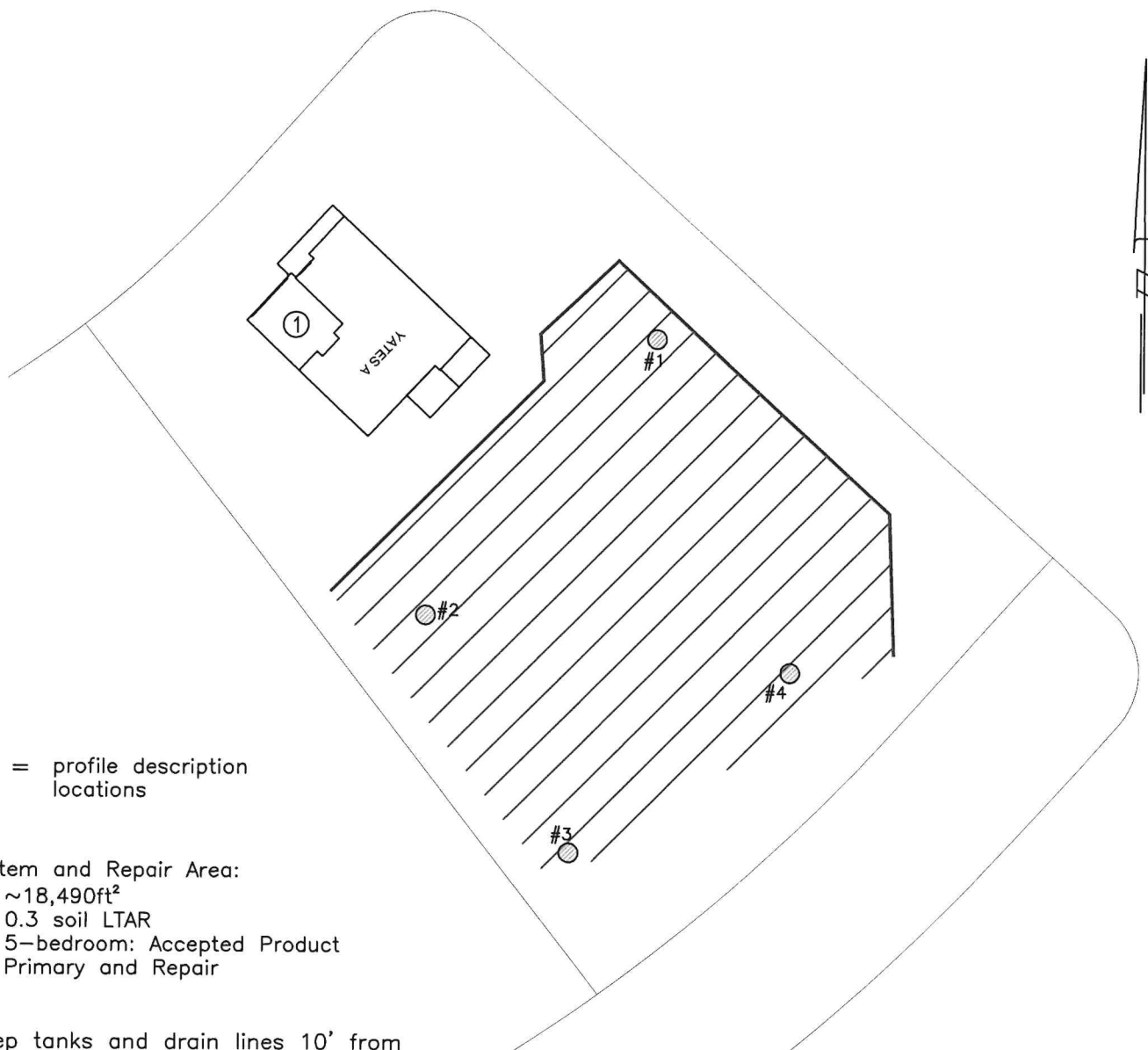
S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits or auger borings.

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) or U (Unsuitable)



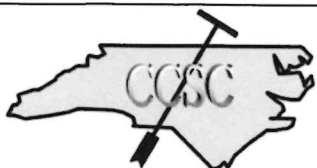
● = profile description locations
#2

System and Repair Area:

- ~18,490ft²
- 0.3 soil LTAR
- 5-bedroom: Accepted Product Primary and Repair

- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.
- *No adding soil within septic area
- *No rutting-up septic area
- *No cuts of >2' within 15' of septic areas

GRAPHIC SCALE
1" = 50'



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

Soils Map
Lot 1, Maison Ridge Subdivision
Franklin County, North Carolina

Job#: 4862
Drawn By: JR
Date: 06/02/2025
Revision:



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110, Wake Forest, NC 27587
Office Number: 919-569-6704

Acknowledgment of Subsurface wastewater evaluation and septic design by Central Carolina Soil Consulting, PLLC. for Maison Ridge, Lot 1,
for issuance of an IP and CA.

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 G.S. 130A-335(a2), (a3), (a5) and (a6).

Owner or Owner's Representative (print): Clayton Properties Group, Inc.
by: Katherine Lusk, agent

Owner or Owner's Representative (signature): *Katherine Lusk*

Date: 6/3/2025



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

County: Franklin Pre-Construction Conference Required: Yes ☐ No ☒
 PIN/Lot Identifier: 050260
 Issued To: Mungo Homes
 Property Location: 105 Guardian Street, Youngsville, NC (Maison Ridge, Lot 1)
 AOWE/PE Plans/Evaluations Provided: Yes ☒ No ☐ If yes, name and license number of AOWE/PE: Jason Hall, AOWE #10004E
 Facility Type: Single-Family Dwelling, 5-Bedroom
 Number of bedrooms: 5 Number of Occupants: ≤10 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* IIb, accepted (25% reduction) (Initial) IIIb, accepted (25% reduction) (Repair)

*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

Design Daily Flow: 600 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: 1250 gallons Total Trench/Bed Length: 550 feet Trench/Bed Spacing: 9 feet on center
 Trench/Bed Width: 36 inches LTAR: 0.3 gpd/ft² Usable Depth to LC (Initial)*: 48" *Limiting condition
 Additional Soil Cover: 0 inches Slope Corrected Maximum Trench/Bed Depth*: 32 inches *Measured on the downhill side of the trench
 Pump Tank Size (if applicable): _____ gallons Requires more than 1 pump? ☐ Yes ☐ No
 Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ 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:

fence off the entire septic area from construction traffic

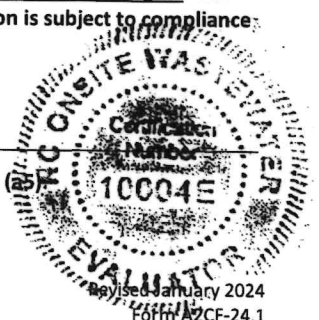
The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization 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: Jason Hall

AOWE/PE Signature: [Signature] Date: 06/02/2025

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a3)

See attached site sketch





This Section for Local Health Department Use Only

Initial submittal received: 6-6-25 by SEL
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: [Signature] Date of Issuance: 6-6-25

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: 6-6-30

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

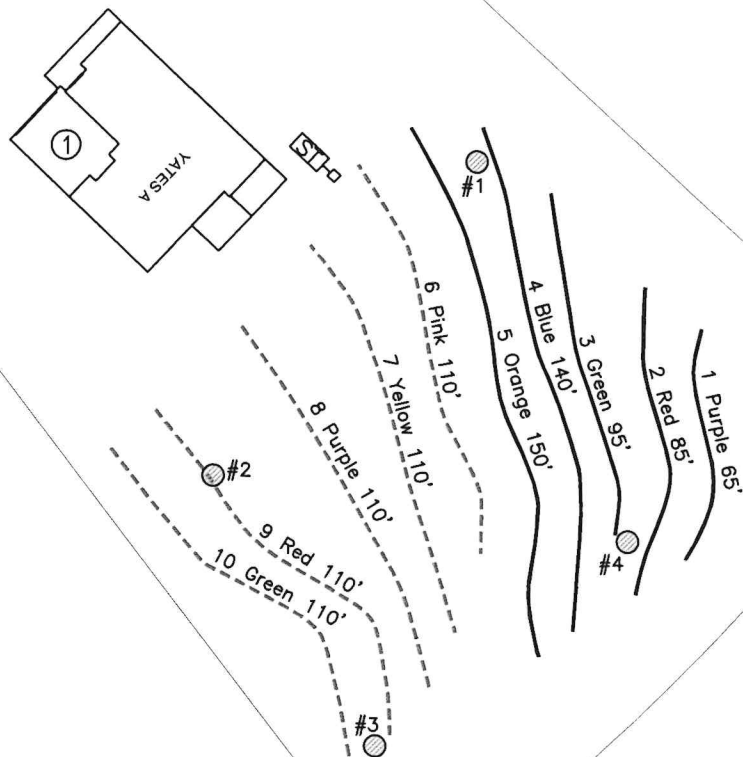
State Authorized Agent: _____

Date: _____

☐ Complete

State Authorized Agent: _____

Date: _____



System: - - - - -
 Repair: ————
 [ST] = 1250 gallon tank
 with risers
 (#) = profile description
 locations

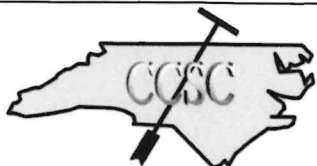
- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.
- *No adding soil within septic area
- *No rutting-up septic area
- *No cuts of >2' within 15' of septic areas

GRAPHIC SCALE
 1" = 50'



Initial System: Gravity to D-Box
 Lines: 6-10, (550')
 Accepted Status System (25% reduction)
 0.3 Soil LTAR
 32" Trench Bottom on the downhill side

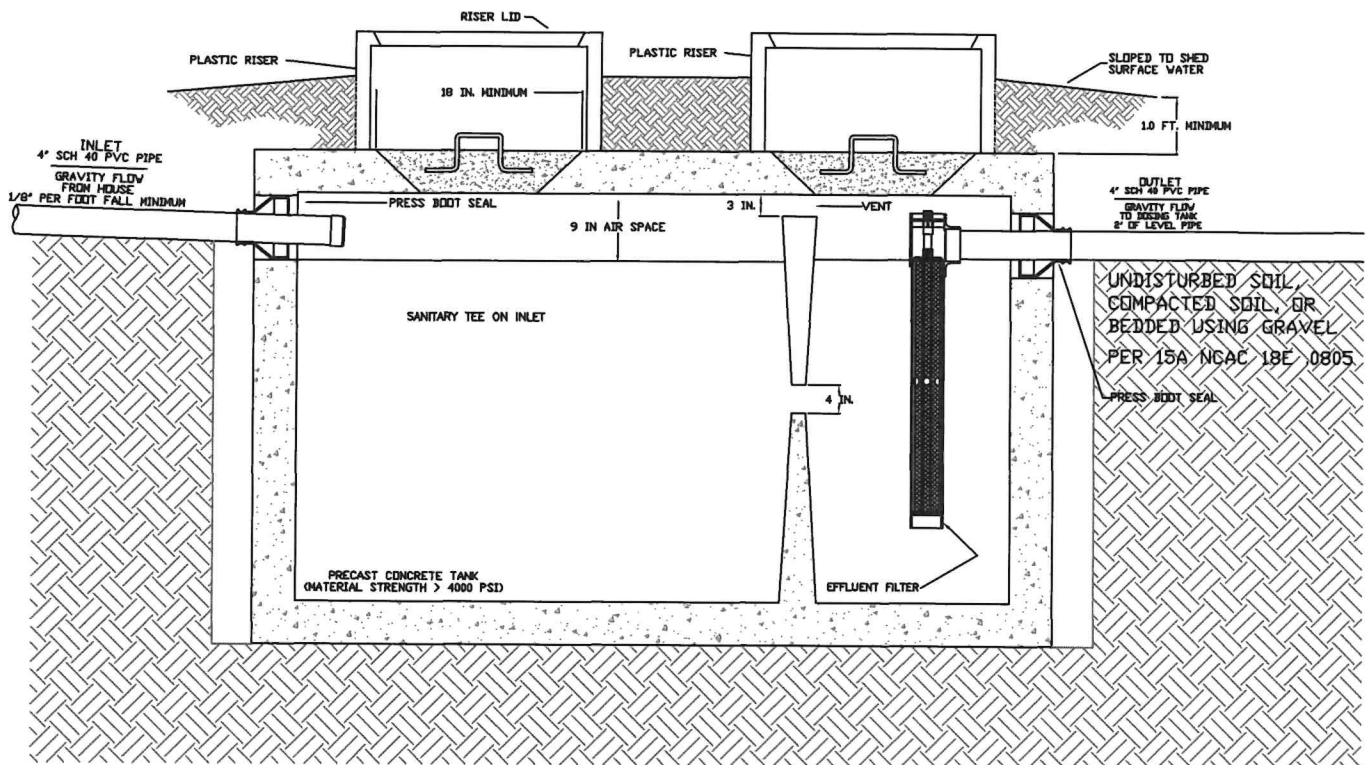
Repair System: Pressure Manifold
 Lines: 1-5, (535')
 Accepted Status System (25% reduction)
 0.3 Soil LTAR
 32" Trench Bottom on the downhill side



Central Carolina Soil Consulting, PLLC
 1900 South Main Street, Suite 110
 Wake Forest, North Carolina 27587
 Phone (919)569-6704 Fax (919)569-6703

5-Bedroom Septic Layout
 Lot 1, Maison Ridge Subdivision
 Franklin County, North Carolina

Job#: 4862
 Drawn By: JR
 Date: 06/02/2025
 Revision:



1250 GAL SEPTIC TANK SCHEMATIC
NOT TO SCALE

NOTES:

1. ALL TANKS SHALL BE LEAK TESTED (IN OCCURANCE TO RULE 15A NCAC 18E .0805) WHEN INSTALLED UNDER THE FOLLOWING CONDITIONS
 - (A) when a Soil Wetness Condition (SWC) is present within four feet of the elevation of the top of a mid-seam pump tank;
 - (B) with advanced pretreatment when required in the RWTS or PIA Approval;
 - (C) when required in the approved plans and specifications for a wastewater system designed by a PE;
 - (D) when the tank is constructed in place; or
 - (E) as required by the authorized agent based upon site or system specific conditions, such as misaligned seams, exposed reinforcement, or damage observed that may have occurred during transport or installation.
2. ALL TANKS MUST BE APPROVED FOR USE BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL HEALTH (DEH).
3. INVERTS SHOWN ARE APPROXIMATE. THE INSTALLER SHALL FIELD CONFIRM PRIOR TO CONSTRUCTION.
4. ALL HARDWARE INSTALLED INSIDE OF TANKS SHALL BE OF STAINLESS STEEL.
5. TANK DIMENSIONS VARY BY MANUFACTURER.
6. DRAWDOWN WILL VARY WITH TANK DIMENSIONS.
7. NO ELECTRICAL SPLICES SHALL BE MADE INSIDE THE PUMP TANK.

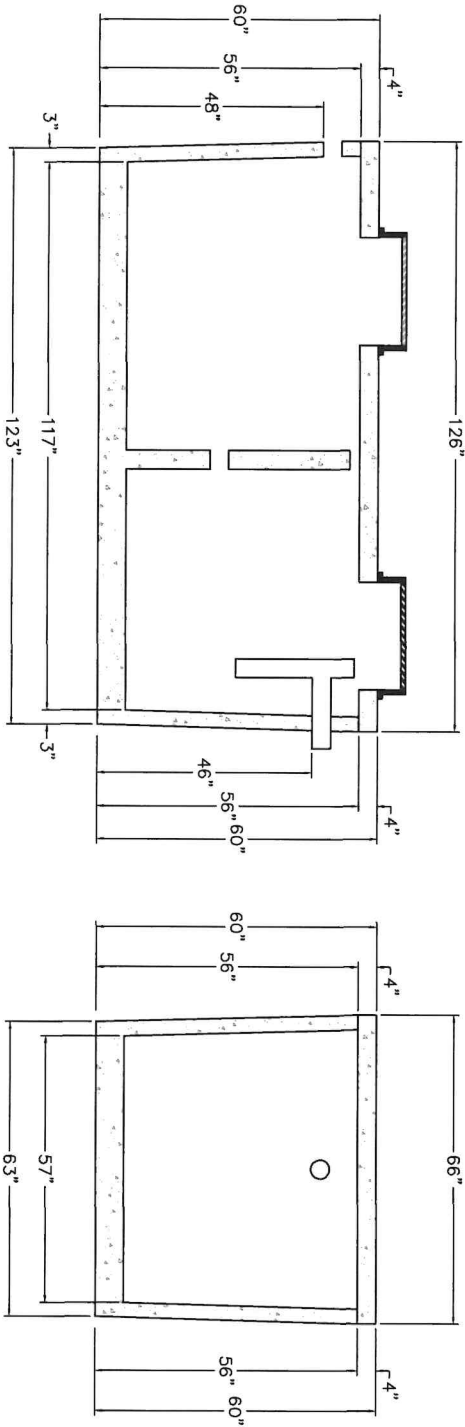
ALL tank openings (2 for septic tank) shall have a secondary lid or safety net installed



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

Septic Tank Details
Maison Ridge, Lot 1
Franklin County, North Carolina

Job#: 4862
Drawn By: JR
Date: 06/02/2025



1,250 ST 323
NTS

NON TRAFFIC BEARING

DAVID BRANTLEY & SONS

37 Pine Ridge Rd.
Zebulon, NC 27587
Office 252-478-9721
Fax 919-573-0443
tinstaller@gmail.com

PREPARED FOR : David Brantley & Sons
37 Pine Ridge Rd.
Zebulon, NC 27587

DATE : April 11, 2014

CONTACT:
CORY BRANTLEY

REVISION NO.

Original Submittal

Revision 1

Revision 2

Revision 3

Master Set

DATE

April 11, 2014

BRANTLEY TANK MODEL

1,250 ST 323

SHEET NUMBER

1 of 1

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.

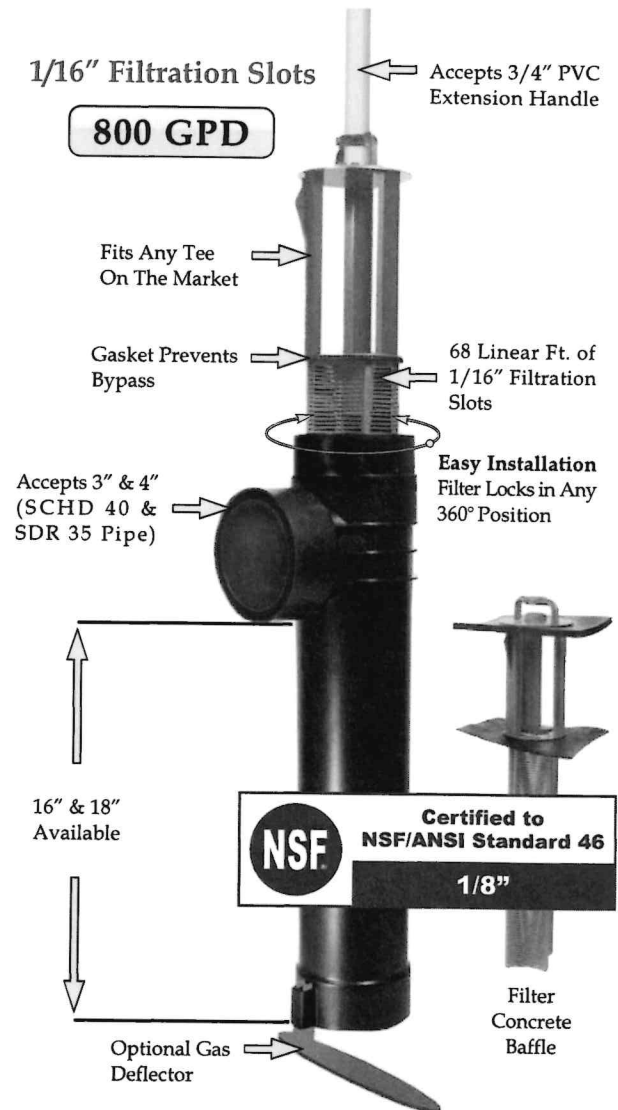
PL-68 Maintenance:

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

CAST-A-SEAL 402/402F

PIPE TO MANHOLE & TANK CONNECTOR

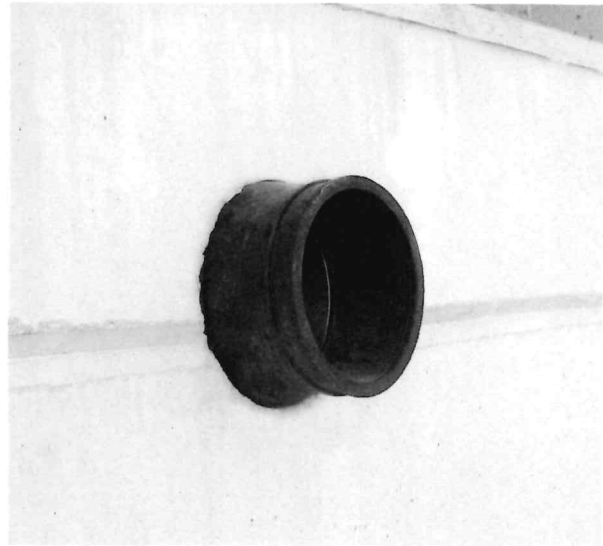
What It Is

The Cast-A-Seal 402/402F is a simple cast-in pipe-to-manhole connector that offers a watertight flexible connector that is cast into the structure when the concrete is poured.

The key lock is integrally cast-in during the production process providing a secure seal for storm water and sanitary collection systems.

How It Works

- The connector is folded into the casting position.
- It is placed on the reusable mandrel and then placed on the form.
- After curing, the mandrel is removed.
- The connector is then simply unfolded at the jobsite.
- Take-up clamps made from series 304 stainless steel with quick adjusting screws secure the connector to the pipe.



Why It's Better

- Durable and reusable mandrel forms.
- Integrally cast into the structure at time of casting.
- Contractor can backfill immediately after pipe insertion.
- The 4" connector is available in either open or closed end face.
- Contractor can save time and money by backfilling immediately.

Where To Use

- Manholes
- Wet wells
- Square pump and lift stations
- Stormwater structures
- On-site treatment structures
- Junction chambers
- Grease interceptors



Press-Seal believes all information is accurate as of its publication date. Information, specifications, and prices are all subject to change without notice. Press-Seal is not responsible for any inadvertent errors. Copyright 2022.

Phone: 800-348-7325
Fax: (260) 436-1908

PRESS-SEAL CORPORATION
Protecting Our Planet's Clean Water Supply
ISO 9001: Registered • Version 02.16.22.11.17

Email: sales@press-seal.com
Web: www.press-seal.com

CAST-A-SEAL 402/402F

SUBMITTAL SPECIFICATIONS

A flexible pipe-to-structure connector shall be employed in the connection of the sanitary sewer pipe to precast structures. The connector shall be Cast-A-Seal® 402/402F as manufactured by Press-Seal Corporation, Fort Wayne, Indiana, or approved equal. The connector shall be the sole element relied on to assure a flexible, watertight seal of the pipe to the precast structure. The connector shall consist of a rubber gasket and an external take-up clamp.

The rubber gasket element shall be constructed solely of synthetic or natural rubber, and shall meet or exceed the physical property requirements of ASTM C 923.

The external take-up clamp shall be constructed of Series 300 non-magnetic stainless steel and shall utilize no welds in its construction. The clamp shall be installed by torquing the adjusting screw using a torque-setting wrench available from the connector manufacturer.

Selection of the proper size connector for the structure and pipe requirement, and installation thereof, shall be in strict conformance with the recommendations of the connector manufacturer. Any dead end pipe stubs installed in connectors shall be restrained from movement per ASTM C 923.

The finished connection shall provide sealing to 13 psi (minimum) and shall accommodate deflection of the pipe to 7 degrees (minimum) without loss of seal.

Vacuum testing shall be conducted in strict conformance with ASTM C 1244 prior to backfill. Other testing shall be conducted in strict conformance with the requirements of the connector manufacturer.

Product Performance

Cast-A-Seal 402/402F meets and/or exceeds all requirements of ASTM C 923, including physical properties of materials and performance testing, including:

- 13 PSI minimum in straight alignment
- 10 PSI at minimum 7° angle
- 10 PSI minimum under shear load of 150 lbs/in. pipe diameter

Cast-A-Seal 402/402F meets and/or exceeds the requirements of the following Standards, Specifications, Codes, and Test Methods:

- IAPMO/ANSI Z1000 Standard for Prefabricated Septic Tanks
- IAPMO/ANSI Z1001 Standard for Prefabricated Gravity Grease Interceptors
- NPCA Best Practices Manual for Precast Concrete On-Site Wastewater Tanks
- NOWRA Model Code Framework
- ASTM C 1227 Standard Specification for Precast Concrete Septic Tanks
- ASTM C 1644 Standard Specification for Resilient Connectors Between Reinforced Concrete On-Site Wastewater Tanks and Pipes (CAS 402)
- ASTM C 1613 Standard Specification for Precast Concrete Grease Interceptor Tanks
- ASTM C 923 - Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals
- ASTM C 1244 Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test
- ASTM C 1478 - Standard Specification for Storm Drain Resilient Connectors Between Reinforced Concrete Storm Sewer Structures, Pipes, and Laterals

Press-Seal believes all information is accurate as of its publication date. Information, specifications, and prices are all subject to change without notice. Press-Seal is not responsible for any inadvertent errors. Copyright 2022.

Phone: 800-348-7325
Fax: (260) 436-1908

PRESS-SEAL CORPORATION
Protecting Our Planet's Clean Water Supply
ISO 9001: Registered • Version 02.16.22.11.17

Email: sales @press-seal.com
Web: www.press-seal.com



CAST-A-SEAL 402/402F

SELECTION GUIDE

PIPE SIZE	CAST-A-SEAL 402	PIPE O.D. RANGE	WALL THICKNESS*	APPLICATION
1.25" - 2" 31 - 51 mm	452.0250	1.5" - 2.75" 38 - 70 mm	2.5" - 6" 64 - 150 mm	STANDARD
4" 100 mm	452.0450	4.2" - 4.7" 107 - 119 mm	2.5" - 6" 64 - 150 mm	STANDARD
4" 100 mm	452.0402F1	4.2" - 4.7" 107 - 119 mm	2.5" - 4.0" 64 - 102 mm	Closed Face
6" 150 mm	452.0650	6.2" - 6.7" 157 - 170 mm	2.5" - 6" 64 - 150 mm	STANDARD
3" 75 mm	CAS ADAPTER	3.2" - 3.6" 81 - 91 mm	---	Use with 4" CAST-A-SEAL



Press-Seal believes all information is accurate as of its publication date. Information, specifications, and prices are all subject to change without notice. Press-Seal is not responsible for any inadvertent errors. Copyright 2022.

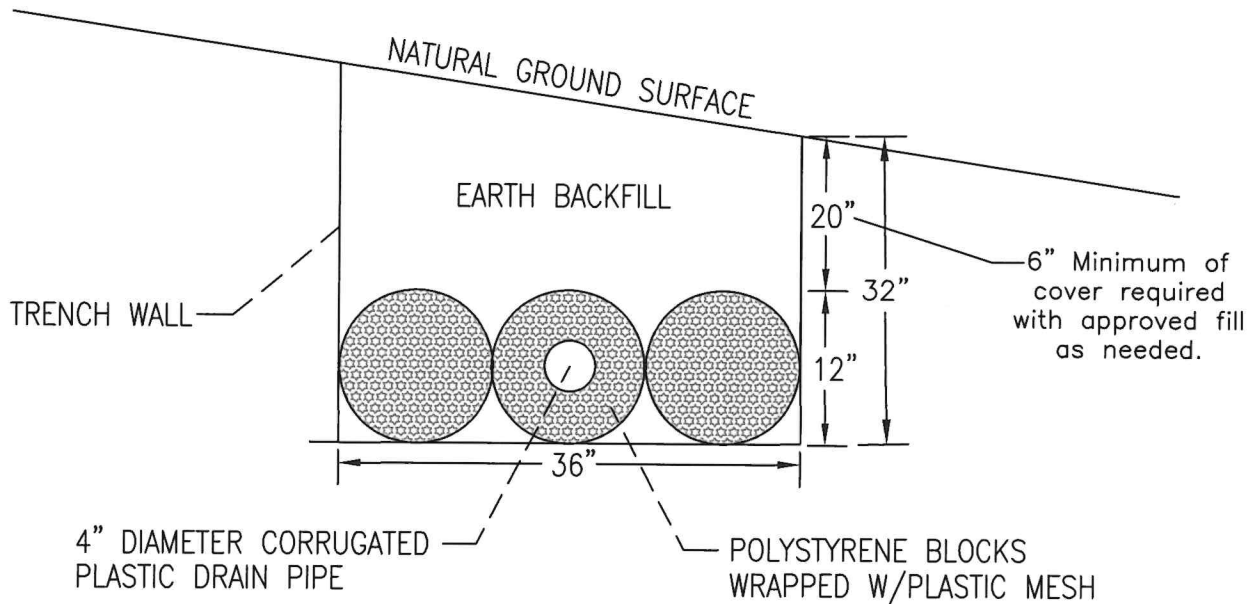
Phone: 800-348-7325
Fax: (260) 436-1908

PRESS-SEAL CORPORATION
Protecting Our Planet's Clean Water Supply
ISO 9001: Registered • Version 02.16.22.11.17

Email: sales@press-seal.com
Web: www.press-seal.com

EZ-FLOW DETAILS

Example only: Installed trench bottom should match design.



NOTE :

1. EZ-FLOW INSTALLATION SHALL MEET THE REQUIREMENTS INCLUDED IN ITS INNOVATIVE APPROVAL
2. TRENCH BOTTOM SHALL BE AT LEAST 12" FROM ANY RESTRICTIVE SOIL LAYER
3. END CAP SHALL BE PROVIDED AT END OF ALL CORRUGATED PLASTIC PIPE LINES AND TRENCH BOTTOMS SHALL BE LEVEL
4. THIS IS A GENERIC TRENCH PROFILE, SEE IP & CA PERMITS FOR TRENCH DEPTH.



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

Trench Details
Maison Ridge, Lot 1
Franklin County, North Carolina

Job#: 4862

Drawn By: JR

Date: 06/02/2025



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110, Wake Forest, NC 27587
Office Number: 919-569-6704

Acknowledgment of Subsurface wastewater evaluation and septic design by Central Carolina Soil Consulting, PLLC. for Maison Ridge, Lot 1,
for issuance of an IP and CA.

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 G.S. 130A-335(a2), (a3), (a5) and (a6).

Owner or Owner's Representative (print): Clayton Properties Group, Inc.
by: Katherine Lusk, agent

Owner or Owner's Representative (signature): *Katherine Lusk*

Date: 6/3/2025



COP# 454821
Franklin County Environmental Health
127 S Bickett Blvd.
Louisburg, NC 27549
Phone (919) 496-8100
www.franklincountync.gov

Issued to: Mungo Homes

Location: 105 GUARDIAN Street YOUNGSVILLE , NC 27596

LICENSED SOIL SCIENTIST A2 PERMIT

Application Type: LICENSED SOIL SCIENTIST A2 PERMIT

Application Number: E-25-363

Date: June 3, 2025

Building Type:

Acreage: 1.04

Project Type: Single Family Dwelling

Zoning: R-30

of Bedrooms: 5

of Occupants: 5

Residential Project Type: Single Family Dwelling

Commercial Project Type:

Building Foundation: Crawlspace

Square Footage of Facility:

Water Source: Public Water

Number of Employees:

Number of Seats:

Preferred Type of Septic System: (2) Accepted
(polystyrene, chamber)

Notes:

Parcel ID #: 050260

Subdivision: MAISON RIDGE LOT #1

Applicant Information

Applicant Name: Mungo Homes

Address: 2521 Schieffelin Road Apex , North Carolina 27502

Phone: 9193373314

Email: klusk@mungo.com

Property Owner Information

Owner Name: LIBERTY LUCKY SEVEN LLC

Address: 575 MILITARY CUTOFF RD WILMINGTON , NC 28405

Phone:

Email:

General Contractor Information

Contractor Name: Clayton Properties Group, Inc.

Address: 447 Western Ln Irmo, Sc 29063 ,

Phone: 8037499000

Email: lbrightwell@mungo.com

Zoning

Zoning Permit #: Z-25-632

County Water: Yes

Front Setback: 25

Right Setback: 10

Left Setback: 10

Rear Setback: 20

The applicant shall notify the Environmental Health Department upon submittal of this application if any of the following apply to the property/site in question. If this answer is "Yes" the applicant must attach supporting documentation and/or show their location on the plot/site plan.

Does the site contain any jurisdictional wetlands?

Does the site contain, or have within 100 feet, any existing wells and/or septic systems? No

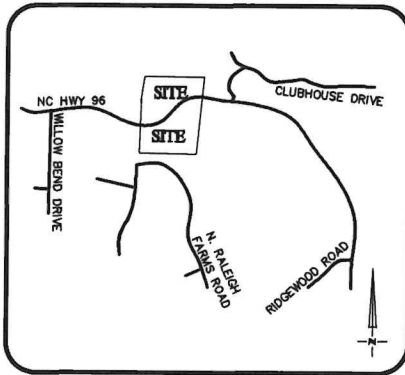
Is any wastewater going to be generate other than domestic sewage? No

Is the site subject to approval by an other public agency? Yes

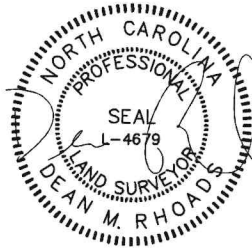
Are there any easements or right-of-ways on this site? Yes

Are there any underground utilities on the site? Yes

IF THE INFORMATION IN THE APPLICATION FOR A SEPTIC PERMIT IS FALSIFIED, CHANGED, OR THE STIE IS ALETERED, THEN ANY RELATED PERMITS AND CONSTRUCTION AUTHORIZATIONS SHALL BECOME INVALID. This application is valid for one year from the date of application payment. The septic system approval (permit) is valid for five years from the date of Improvement Permit issuance, or without expiration by request with proper documentation. The applicant is responsible for the proper identification and labeling of all property lines, and existing utilities



VICINITY MAP
Not To Scale



IMPERVIOUS SURFACE AREA	
DESCRIPTION	AREA
HOUSE w/ PORCH	2,442 S.F.
CV. PORCH/ HVAC	140 S.F.
DRIVEWAY & WALKS	533 S.F.
TOTAL (PROPOSED)=	3,115 S.F.
*TOTAL (ALLOWED)=	4,500 S.F.

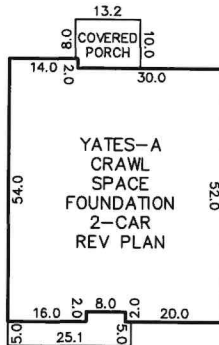
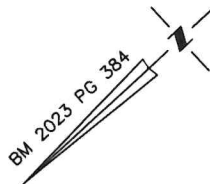
*DEVELOPER

CONCRETE AND LANDSCAPE	
TYPE	S.F.
CONCRETE	782
LANDSCAPE	47,594



SETBACKS: (BM 2023 PB 384)

FRONT - 25'
SIDE - 10'
REAR - 20'

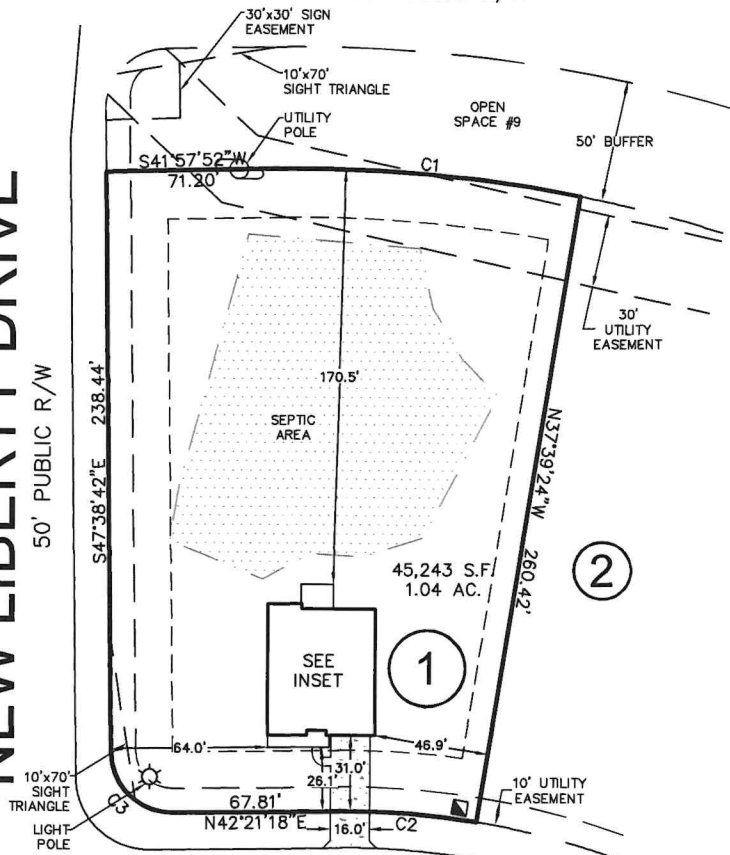


INSET
N.T.S

NEW LIBERTY DRIVE
50' PUBLIC R/W

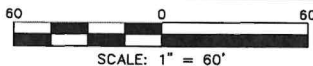
NC HIGHWAY 96
VARIABLE PUBLIC R/W

GUARDIAN STREET
50' PUBLIC R/W



CURVE	RADIUS	ARC LENGTH	CH LENGTH	CH BEARING
C1	579.59'	124.26'	124.02'	S48°06'23"W
C2	325.00'	56.90'	56.83'	N47°22'17"E
C3	25.00'	39.28'	35.36'	N87°21'18"E

DEED RESTRICTIONS, EASEMENTS, RIGHT-OF-WAY, UTILITIES AND RESTRICTIVE COVENANTS WHICH MAY BE OF RECORD OR IMPLIED



SCALE: 1" = 60'

**RESIDENTIAL
LAND SERVICES, PLLC.**

1917 Evans Road
Cory, North Carolina 27513
Phone (919) 378-9316
Firm License # P-0873

THIS DRAWING DOES NOT
REFLECT AS-BUILT INFORMATION

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES

HOUSE LOCATION PLOT PLAN

FOR

#105 GUARDIAN STREET

LOT 1, MAISON RIDGE SUBDIVISION

Youngsville Township, Franklin County, North Carolina

PROPERTY OF: MUNGO HOMES

MAP BOOK 2023, PAGE 383-385 DEED REFERENCE

DRAWN: JTC

SURVEYED: N/A

CHECKED: DMR

DATE: MAY 7, 2025



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

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 Authorization ☐ (a2) Repair/Construction Authorization

If applying for a Construction Authorization, please indicate desired system type(s):

☐ Accepted ☐ Conventional ☐ Innovative ☐ Other _____ ☒ Any

☒ New Construction ☐ Expansion ☐ System Relocation ☐ Change of Use ☐ Repair
☒ 5-Year Expiration Requested (site plan provided) ☐ Non-Expiring Permit Requested (plat provided, defined in G.S.130A-334(7a))
Requesting DHHS review? (systems >3000 GPD or IPWW) ☐ Yes ☒ No

Applicant: Clayton Properties Group, Inc. dba Mungo Homes
Mailing Address: 2521 Schieffelin Road
Suite 116
City: Apex
State: NC Zip: 27502
Phone #: (919) 303-8525 x 811
Email: klusk@mungo.com

Owner: Clayton Properties Group, Inc.
Mailing Address: 447 Western Lane
City: Irmo
State: SC Zip: 29063
Phone #: 803-749-9000
Email: klusk@mungo.com

If the answer to any of the following questions is "yes", applicant must attach supporting documentation.

☐ Yes ☒ No Does the site contain any jurisdictional wetlands?
☐ Yes ☒ No Is any wastewater going to be generated on the site other than domestic sewage?
☒ Yes ☐ No Is the site subject to approval by any other public agency?
☒ Yes ☐ No Are there any easements or right of ways 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 Construction Authorization pursuant to G.S. 130A-335(a2),(a3), and (a5). I understand that authorized county and state officials are granted right of entry to the property indicated on this application to conduct necessary inspections to determine compliance with applicable laws and rules. ***I understand that if the information in the application for an Improvements Permit and/or Construction Authorization is falsified, changed, or the site is altered, then the Improvement Permit and Construction Authorization shall become invalid.***

Applicant Signature: Katherine Lusk Date: 6/3/2025

Owner's Signature: Katherine Lusk Date: 6/3/2025