



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • 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

Please check one of the following:

☒ New Construction

☐ Expansion

☐ System Relocation

☐ Change of Use

☐ Repair

☒ 5 Year Expiration Requested (site plan provided)

☐ Non-Expiring Permit Requested (plat provided, as defined in G.S. 130A-334(7a))

Lot 20

Property Owner Name: Clayton Properties Group

Property Owner Mailing Address: 2521 Schieffelin Rd., Suite 116, Apex, NC 27502

Property Owner Phone Number: (919) 548-9381

Property Owner Email Address: MBURBANO@MUNGO.COM

Applicant Name: Same

Applicant Mailing Address:

Applicant Phone Number:

Applicant Email Address:

Does the property include, or is subject to, any of the following:

☐ Yes ☒ No

Previously identified jurisdictional wetlands

☐ Yes ☒ No

Existing or proposed easements, rights-of-way, encroachments, or other areas subject to legal restrictions

☐ Yes ☒ No

Approval by other public agencies

A site plan or plat is required, OR the site sketch submitted from the LSS/AOWE, must include the following:

(A) existing and proposed facilities, structures, appurtenances, and wastewater systems

(B) proposed wastewater system showing setbacks to property line(s) or other fixed reference point(s)

(C) existing and proposed vehicular traffic areas

(D) existing and proposed water supplies, wells, springs, and water lines; and

(E) surface water, drainage features, and all existing and proposed artificial drainage, as applicable.

Requesting DHHS review: ☐ Yes ☒ No

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: _____ Date: _____

Owner's Signature: _____ Date: _____

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Building 3, Raleigh, NC 27609

MAILING ADDRESS: 1632 Mail Service Center, Raleigh, NC 27699-1632

www.ncdhhs.gov • TEL: 919-707-5854 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

Permit #: _____



NC DEPARTMENT OF
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Division of Public Health

Submittal Includes: ☒ (a2) Improvement Permit ☒ (a2) Construction Authorization ☐ Fee \$ _____

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

County: Harnett

PIN/Lot Identifier: 1602-44-4608.000

Issued To: Clayton Properties Group, 2521 Schieffelin Rd., Suite 116, Apex, NC 27502

Property Location: 287 Alice Trace Place, Angier, NC 27501

Subdivision (if applicable) Langdon Preserve Lot #: 20 Block: _____ Section: _____

LSS Report Provided: Yes ☒ No ☐

If yes, name and license number of LSS: Michael D. Eaker, #1030

New ☒

Expansion ☐

System Relocation ☐

Change of Use ☐

Proposed Structure: Single Family Dwelling

Number of bedrooms: 4 Number of Occupants: _____ Other: _____

Design Wastewater Strength: ☒ domestic ☐ high strength ☐ industrial process

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial): 0.40 gpd/ft2 Proposed LTAR (Repair): 0.40 gpd/ft2

Proposed Wastewater System Type*: Pump to Accepted (Initial) Pump Required: ☒ Yes ☐ No ☐ May be required

Proposed Wastewater System Type*: Pump to Accepted (Repair) Pump Required: ☒ Yes ☐ No ☐ May be required

**Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)*

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 Soil Depth (Initial): 34" Usable Soil Depth (Repair): 29"

Max. Trench Depth (Initial)*: 16" Max. Trench Depth (Repair)*: 15" **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 .1945: Yes ☒ No ☐ Drainfield location meets requirements of Rule .1950: 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:

Install as per detail sheet and map. Do not disturb, compact, rut or cut any soil within the septic drainfield area. Add 6 inches approved fill cover over system after installation.

Add 2 inches fill cover over system after installation

Licensed Soil Scientist Print Name: Michael D. Eaker

Licensed Soil Scientist Signature: [Signature]

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

See attached site sketch

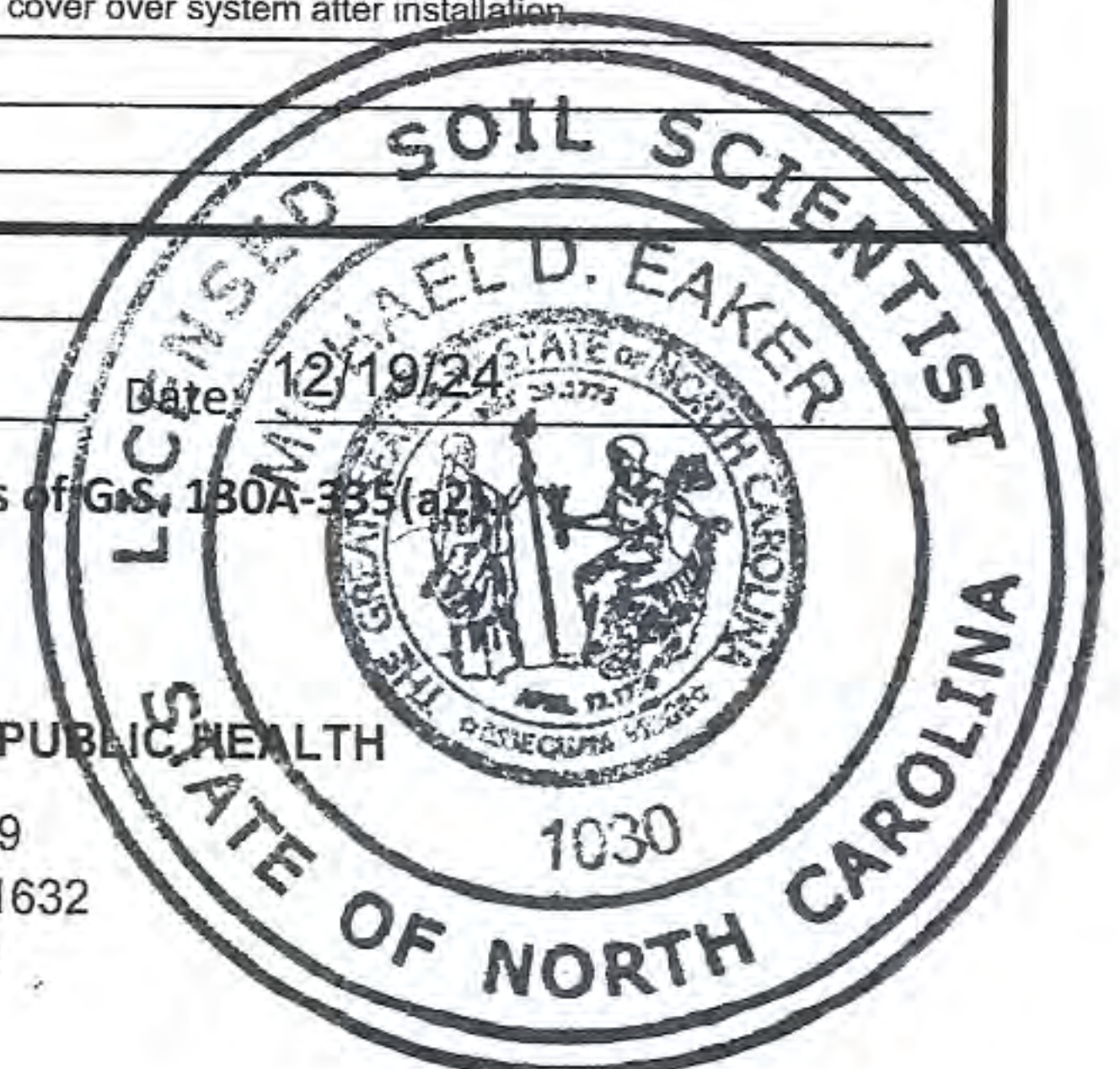
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AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



This Section for Local Health Department Use OnlyInitial submittal received: _____ by _____
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: _____ Date: _____

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 by the Health Department 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 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 evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: _____

See attached site sketch



Permit #: _____

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)County: HarnettPIN/Lot Identifier: 1602-44-4608.000, Lot 20Issued To: Clayton Properties Group, 2521 Schieffelin Rd., Suite 116, Apex, NC 27502Property Location: 287 Alice Trace Place, Angier, NC 27501AOWE/PE Plans/Evaluations Provided: Yes ☒ No ☐ If yes, name and license number of AOWE/PE: Michael D. Eaker 10013EFacility Type: Single Family Dwelling☒ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of UseBasement? ☐ Yes ☒ No Basement Fixtures? ☐ Yes ☐ NoType of Wastewater System* Pump to Accepted (Initial) Pump to Accepted (Repair)

*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)

Design Daily Flow: 480 GPD Wastewater Strength: ☒ domestic ☐ high strength ☐ industrial processSession Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☒ No
(if yes, please provide engineering documentation)**Installation Requirements/Conditions**Septic Tank Size: 1000 gallons Total Trench/Bed Length: 300 feet Trench/Bed Spacing: 9 feet on centerTrench/Bed Width: 36 inches LTAR: 0.40 gpd/ft²Soil Cover: 6 inches Slope Corrected Maximum Trench/Bed Depth*: 16 inches *Measured on the downhill side of the trenchAggregate Depth: NA inches above pipe NA inches below pipe NA inches totalPump Tank Size (if applicable): 1000 gallons Requires more than 1 pump? ☐ Yes ☒ NoPump Requirements: 16.8 ft. TDH vs. 21.33 GPM Grease Trap Size (if applicable): NA gallonsDistribution 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 [.1937(h)]: ☐ Yes ☒ NoEasement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: ☐ Yes ☒ NoDeclaration of Restrictive Covenants: ☐ Yes ☒ NoPre-Construction Conference Required: Yes ☐ No ☒Conditions: Install as per detail sheet and map. Do not disturb, compact, rut or cut any soil within the septic drainfield area.Add 2 inches approved fill cover over system after installation.

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Michael D. EakerExpiration Date: 1/2/30

AOWE/PE Signature: _____

Date: 1/2/25

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 OnlyInitial 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

Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321
Fayetteville, NC 28311
Phone/Fax (910) 822-4540
Email mike@southeasternsoil.com

December 19, 2024

Clayton Properties Group
2521 Schieffelin Rd.
Apex, NC 27502

Re: Soil/site evaluation for subsurface waste disposal (GS 130A-335(a2)/SL 2022-11),
PIN 1602-44-4608.000, 287 Alice Trace Place, Langdon Preserve Subdivision, Lot 20,
Angier, Harnett County, North Carolina

To whom it may concern,

A soil/site evaluation has been conducted on the aforementioned property at your request. The purpose of the investigation was to determine if soils were suitable for a subsurface waste disposal system (conventional, accepted and innovative) to serve a proposed single-family residence (4-bedroom home). All ratings and determinations were made in accordance with "On Site Wastewater Rules, 15A NCAC 18E". **This LSS evaluation is being submitted to meet the requirements of GS 130A-335(a2)/SL 2022-11.**

The soil evaluation was completed on December 13, 2024. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (1-6% slope). Soil borings conducted in most of this area consisted of 13 or more inches of loamy sand underlain by sandy loam, sandy clay loam and/or sandy clay to 48 or more inches below the soil surface. Soil wetness and/or parent material (greater than 50%) was not observed shallower than 34 inches below the soil surface (initial system) and 29 inches (repair system). All other soil characteristics were suitable to at least 48 inches.

Based on soil borings and site conditions, the site would be designated suitable for a pump to a shallow pump to accepted subsurface waste disposal drainfield (0.40 gal/day/ft² LTAR; initial system). There is enough suitable soil area to allow for a pump to a shallow accepted subsurface septic system repair (0.40 gal/day/ft²). A map showing the approximate location of the site and proposed septic layout accompanies this report. **[Note: No grading, rutting or other soil disturbance can occur in or near the proposed septic area. Any grading can alter the findings of this report and render the site unusable. As such, we recommend the builder protect the proposed septic areas with rope, flagging, fencing, etc.]**

Design Summary

- Pump to Accepted product with d-box (300', see septic layout)
- 480 gal/day flow rate (4BR)
- 18" maximum trench depth (initial)
- 1000-gallon septic and pump tank
- Pump to produce 21.33 gal/min @ 16.80 feet TDH
- Pump dose 137 gallons (6.8-inch drawdown)
- 0.40 gpd/ft² LTAR (initial and repair)
- No grading, rutting or filling in septic areas
- No vertical cuts (greater than 2') within 15' of septic lines/areas
- Keep tanks and drainlines 10' from property lines
- Keep supply line 5 or more feet from property lines
- **Install in dry soil conditions**
- Maintain natural contours when clearing the lots
- Direct gutter water away from septic system

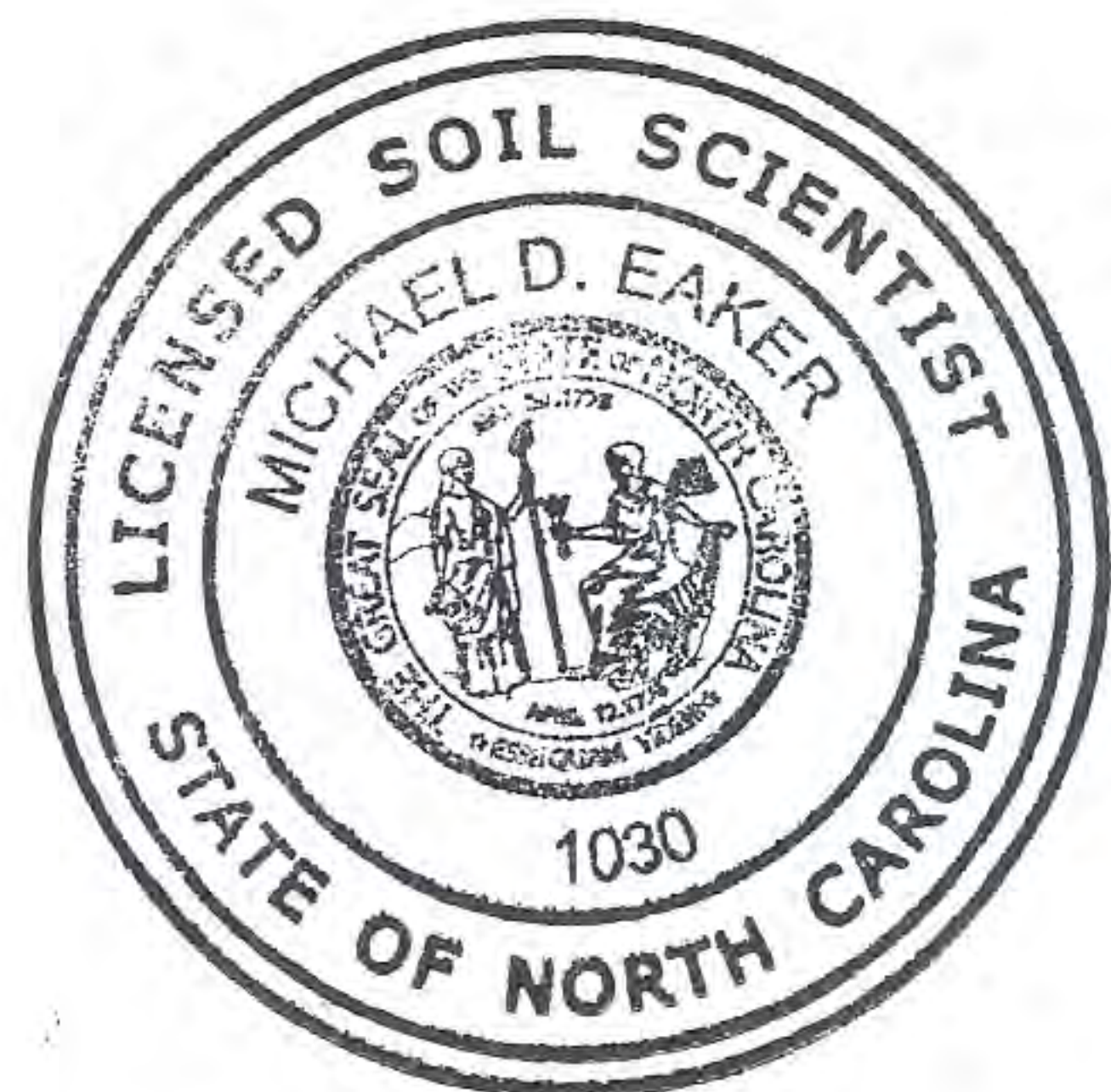
During site construction, it is important not to impact and suitable or provisionally suitable soil areas with activities such as excavation or filling. Only the vegetation should be removed in the areas of the proposed septic drainfields to prevent any disturbance of naturally occurring soil. We recommend all lot clearing activity be delayed until the local health department issues a permit.

To the extent possible, we have identified the soil types that will impact the flow of wastewater on this site and have provided a professional opinion as to the best septic system layout. This report does not guarantee that the proposed septic system will properly function for any specific length of time.

Sincerely,



Mike Eaker
NC Licensed Soil Scientist # 1030
NC Authorized Wastewater Evaluator 10013E



SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION: LANGDON PRESERVE

LOT 20

^{PUMP TO}
INITIAL SYSTEM: Approved 25% Reduction

^{pump to}
REPAIR: Approved 25% Reduction

DISTRIBUTION: D-Box

DISTRIBUTION D-Box

BENCHMARK: 100.0

LOCATION Ebox Front 19/20

NO. BEDROOMS: 4

LTAR 0.4 500/FT

SEPTIC TANK SIZE 1000

PUMP TANK SIZE

<u>LINE</u>	<u>FLAG COLOR</u>	<u>ELEVATION</u>	<u>LENGTH</u>
-------------	-------------------	------------------	---------------

Initial
system {

4	Y	103.80	100'
5	L	103.00	100'
6	Y	102.60	100'
			<u>300'</u>

1	L	105.80	100'
2	Y	105.40	100'
3	L	104.60	100'
			<u>300'</u>

BY M. EAKER

DATE 03/24

TYPICAL PROFILE

0-12 LS (VF, wgs)
12-36+ scl (F, shcl)
cr 2/Pm $\geq 30''$

THERE SHALL BE NO GRADING,

CUTTING, LOGGING OR OTHER SOIL

DISTURBANCE IN SEPTIC AREA

HEALTH DEPARTMENT USE ONLY.

DESIGNS DO NOT GUARANTEE FUNCTIONALITY

PRELIMINARY PLOT PLAN FOR

MUNGO HOMES

LOT 20, LANGDON PRESERVE

ALICE TRACE PLACE

REF: B.M. 2024, PG. 588

GROVE TOWNSHIP

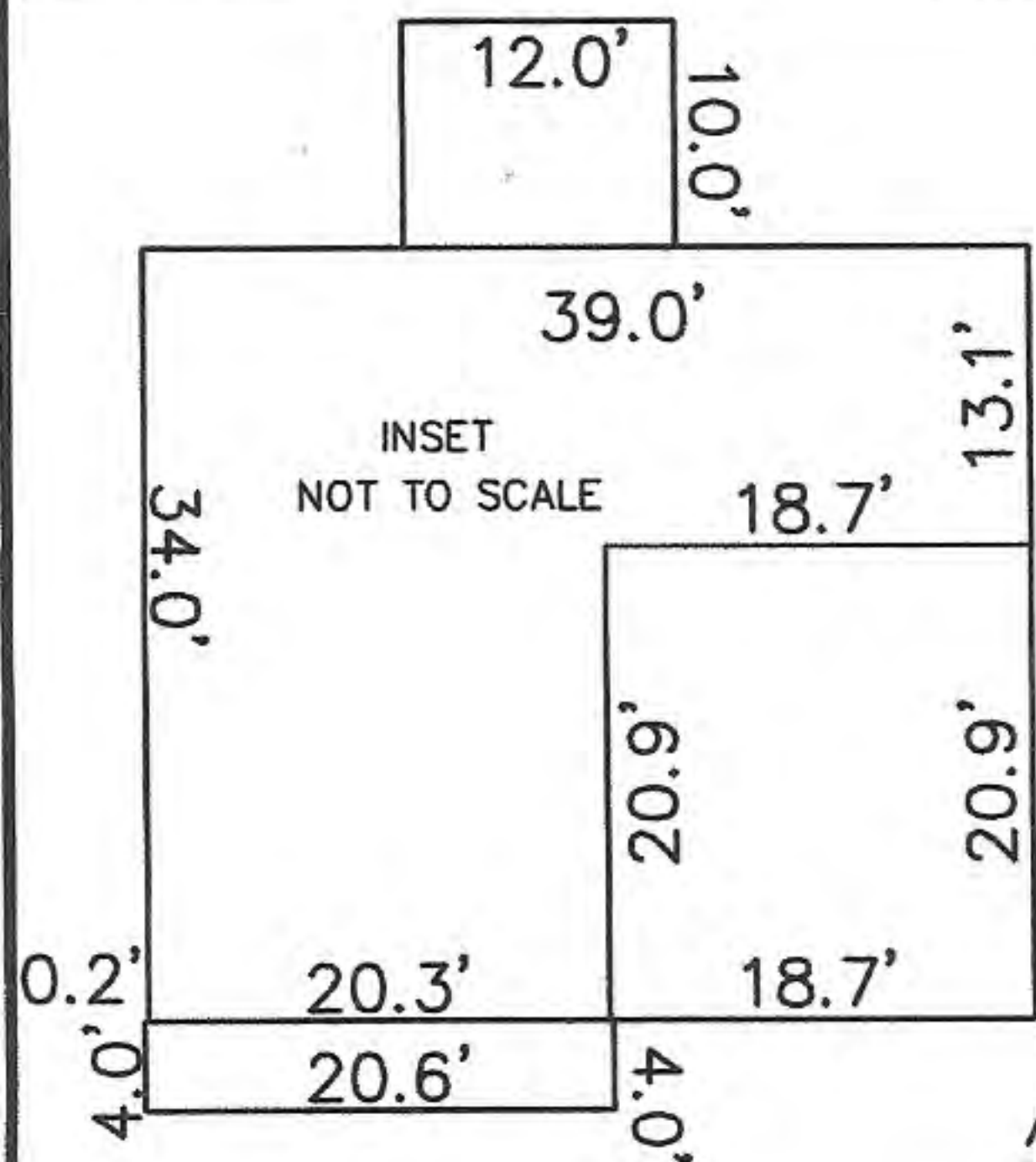
HARNETT COUNTY, NORTH CAROLINA

DECEMBER 9, 2024

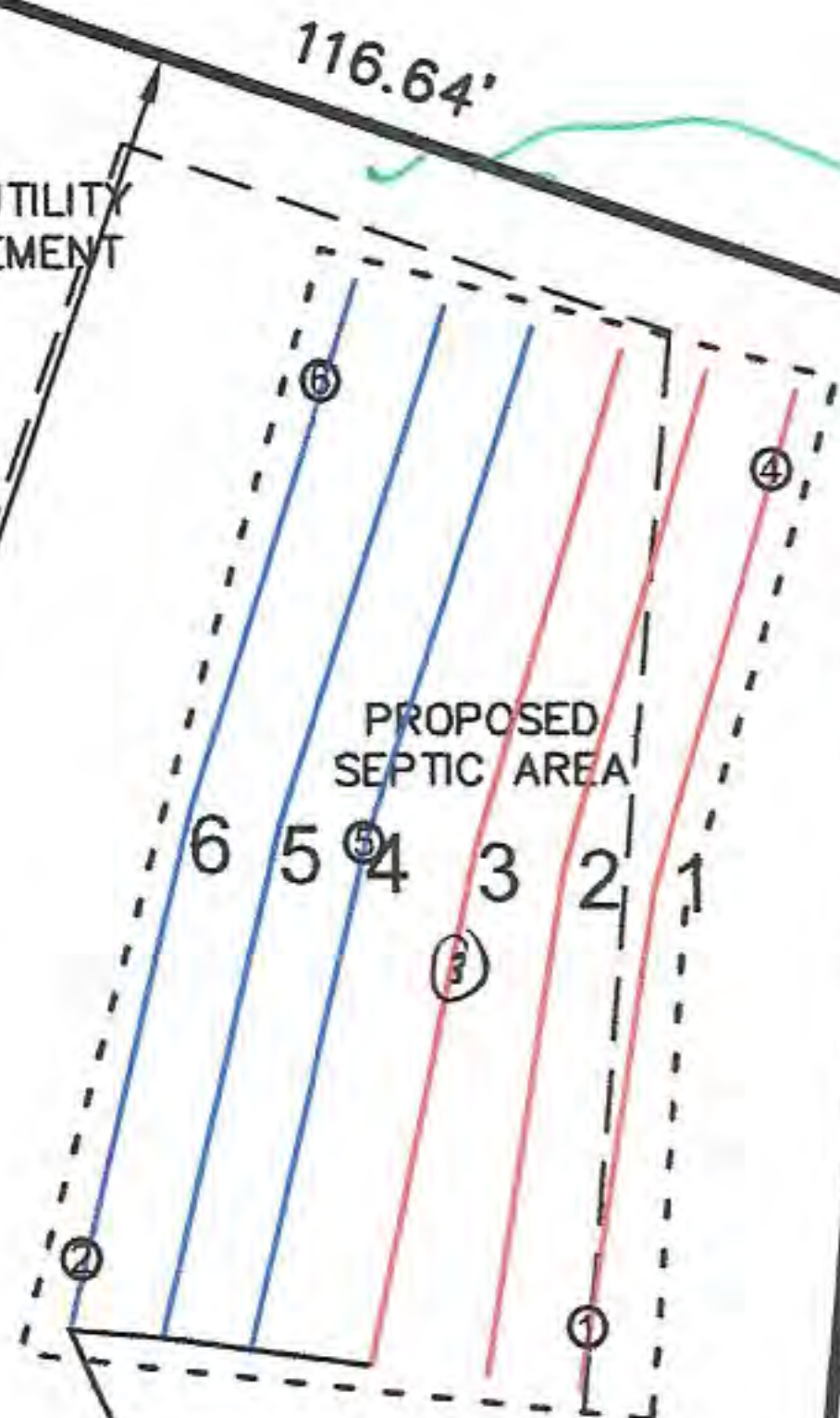
ZONED RA-30



SCALE 1"=50'



(19)
LANGDON PRESERVE
B.M. 2024, PG. 588



INITIAL SEPTIC
PUMP TO LINES 4-6
300 FEET
ACCEPTED

(18)
LANGDON PRESERVE
B.M. 2024, PG. 588

INSTALL AT 18" INCH
TRENCH BOTTOM MAX
ADD 2 INCHES
FILL COVER AFTER
INSTALL

(20)
46,513 S.F.
1.069 AC.

PROPOSED HOUSE
(MCDOWELL C)
SEE INSET

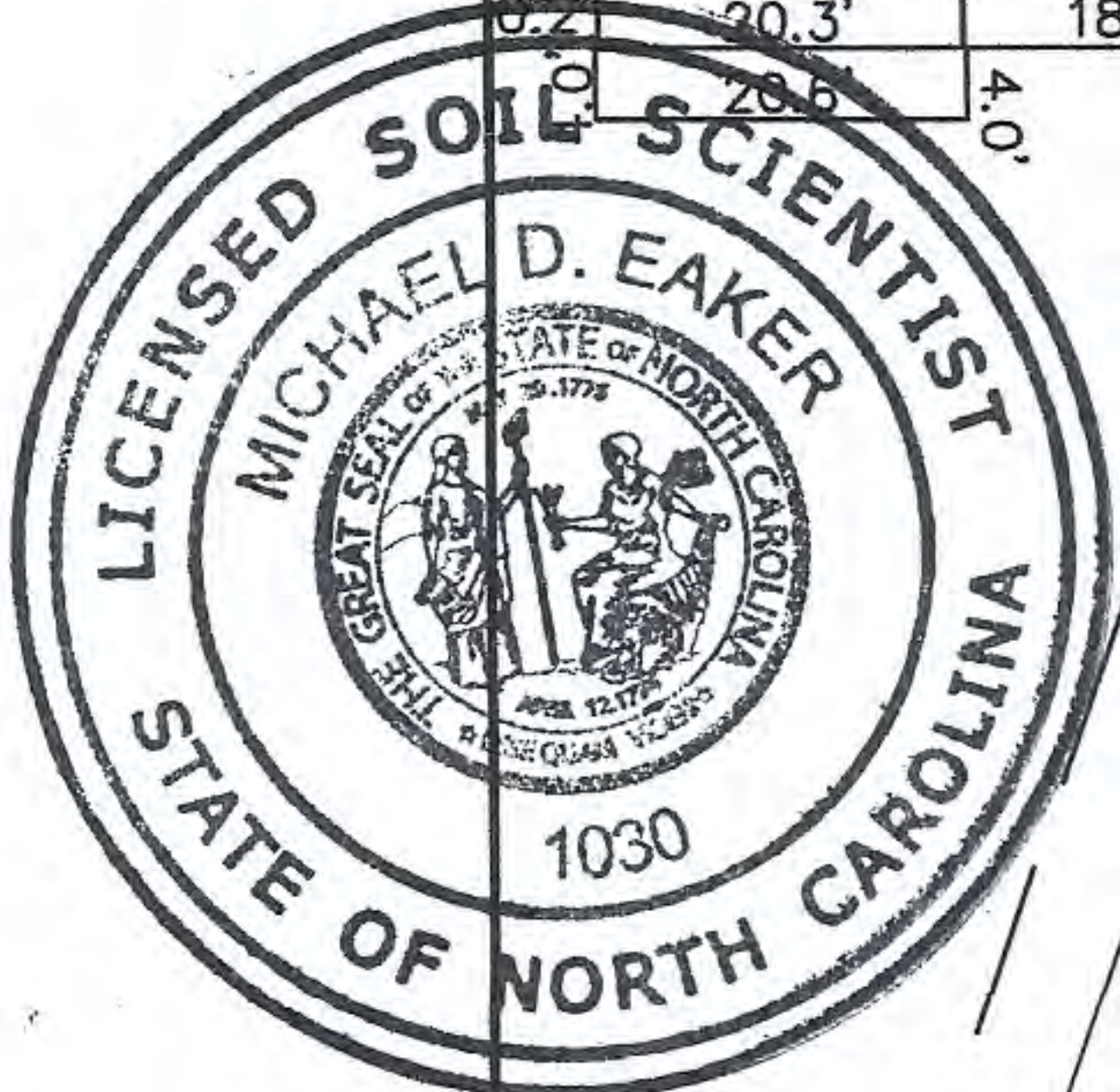
CONCRETE
DRIVEWAY

DECK

(17)
LANGDON PRESERVE
B.M. 2024, PG. 588

TOTAL CONCRETE	
DECK	120 S.F.
DRIVEWAY	805 S.F.
SIDEWALKS	45 S.F.
TOTAL	970 S.F.

IMPERVIOUS SURFACE TABLE



PRELIMINARY PLOT PLAN FOR

MUNGO HOMES

LOT 20, LANGDON PRESERVE

ALICE TRACE PLACE

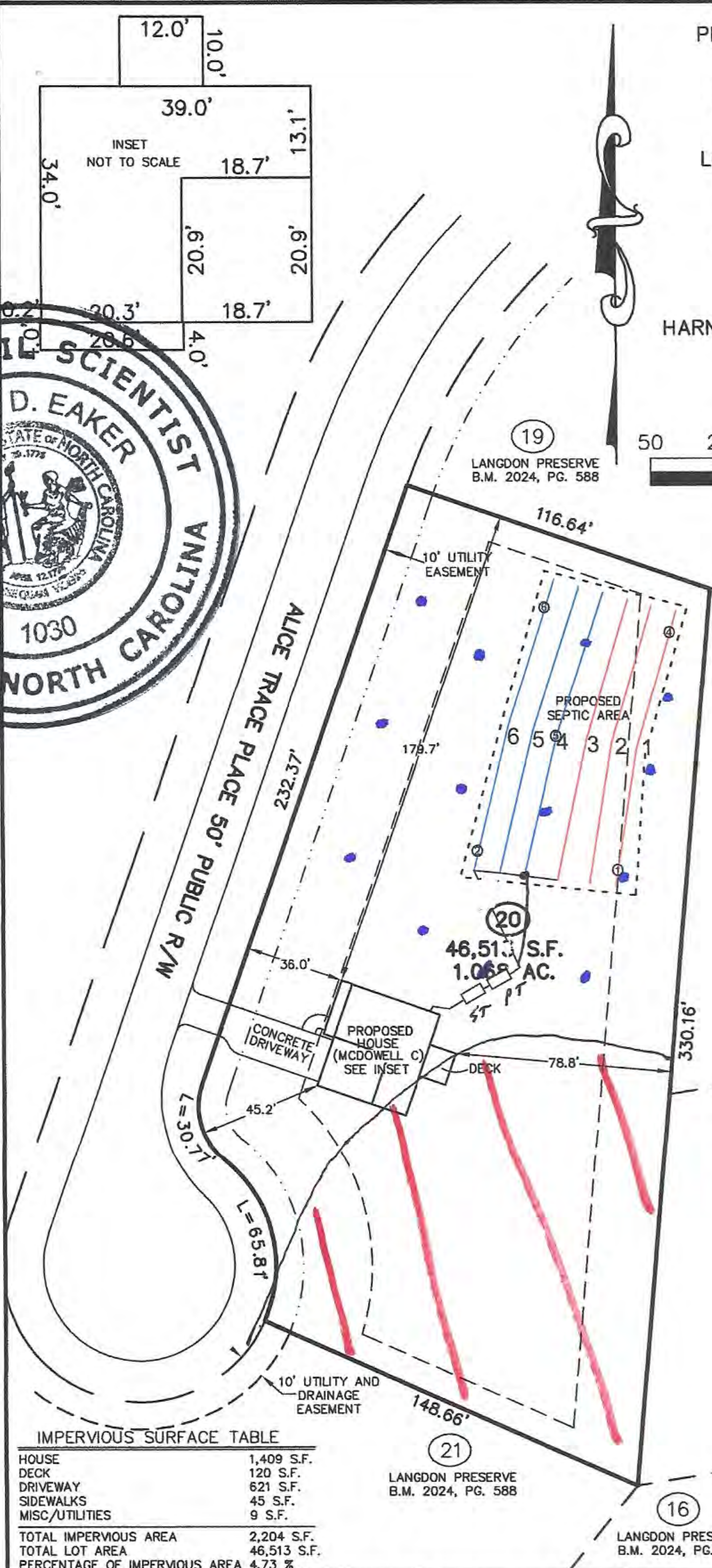
REF: B.M. 2024, PG. 588

GROVE TOWNSHIP

HARNETT COUNTY, NORTH CAROLINA

DECEMBER 9, 2024

ZONED RA-30



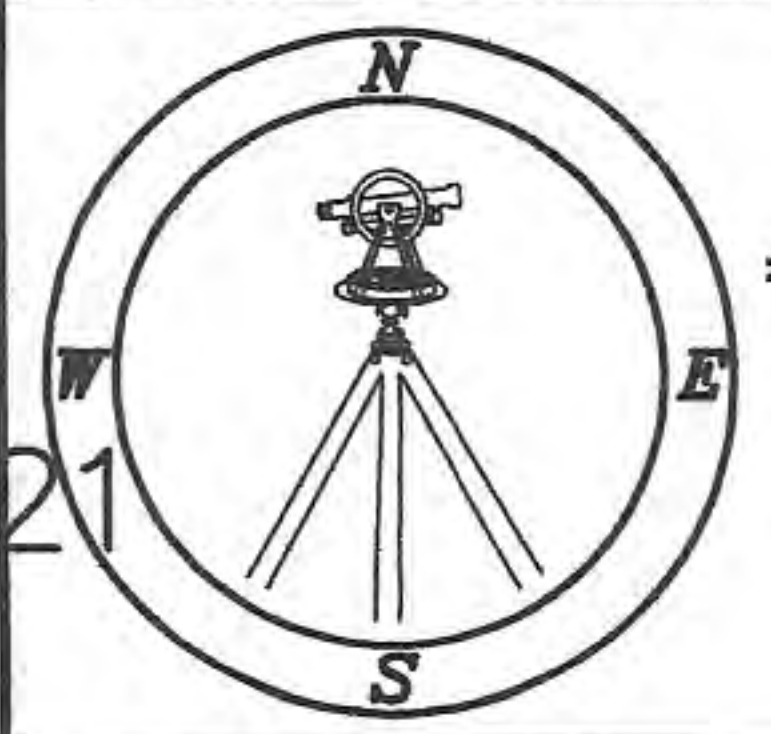
 = SUITABLE SOIL
 = UNSUITABLE SOIL

IMPERVIOUS SURFACE TABLE

HOUSE	1,409 S.F.
DECK	120 S.F.
DRIVEWAY	621 S.F.
SIDEWALKS	45 S.F.
MISC/UTILITIES	9 S.F.
TOTAL IMPERVIOUS AREA	2,204 S.F.
TOTAL LOT AREA	46,513 S.F.
PERCENTAGE OF IMPERVIOUS AREA	4.73 %

TOTAL CONCRETE	
DECK	120 S.F.
DRIVEWAY	805 S.F.
SIDEWALKS	45 S.F.
TOTAL	970 S.F.

THIS SURVEYOR DOES NOT WARRANTY THE ACCURACY OF ARCHITECTURAL DIMENSIONS. THEY ARE TO BE VERIFIED BY THE CONTRACTOR.



C M P

Professional Land Surveyors
C-1525
333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556-3148

NOTES:
-THIS PLAN DOES NOT REFLECT AN ACTUAL SURVEY. IT IS A PRELIMINARY PLAN AND SHOULD BE USED FOR ITS INTENDED PURPOSE ONLY.
-NOT FOR RECORDATION, CONVEYANCES, OR SALES.

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Mungo Homes

ADDRESS: 2521 Schieffelin Rd., Apex NC 27502

PROPOSED FACILITY: SFD

PROPOSED DESIGN FLOW (.1949): 480 GPD (4BR)

LOCATION OF SITE: 287 Alice Trace Place, Angier (Lot 20)

APPLICATION DATE

DATE EVALUATED: 12/13/24

PROPERTY SIZE: 1.068 Ac

PROPERTY RECORDED

WATER SUPPLY: ☐ Private ☒ Public Well ☐ Spring ☐ Other _____

EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

P R O F I L E #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPR O CLASS	.1944 RESTR HORIZ	
1	LS 1-7	0-4	LS/Gr	VFr/Nexp	>48"	34"	NA	NA	Suitable 0.4
		4-17	LS/Gr	VFr/Nexp	10YR 5/6				
		17-34	SCL/mm sbk	Fi/SExp	10YR 5/8				
		34-48	SL/mass	Fr, SExp	7.5YR 5/8				
					10YR 7/1 mot				
2	LS 1-6	0-4	LS/Gr	VFr/Nexp	>48"	30"	NA	NA	Suitable 0.4
		4-13	LS/Gr	VFr/Nexp	10YR 5/6				
		13-30	SCL/wf sbk	Fi/SExp	5YR 5/8				
		38-44	SCL/SL mass	Fi, SExp	2.5YR 4/8				
		44-48	SCL/SL mass	Fi, SExp	Same with 10YR 6/6 mot				
3	LS 1-6	0-6	LS/Gr	VFr/Nexp	34"	34"	NA	NA	Suitable 0.4
		6-21	LS/Gr	VFr/Nexp	10YR 5/6				
		21-34	SCL/mm sbk	Fi/SExp	10YR 5/8				
		34-48	SCL/mass	Fi, SExp	10YR 6/6				
		42-48	SCL/wfsbk	Fi, SExp	10YR 8/1 mot 2.5YR 4/8 mix				
4	LS 1-6	0-6	LS/Gr	Fr/Nexp	36"	36"	NA	NA	Suitable 0.4
		6-18	LS/SL/Gr	VFr/Nexp	10YR 5/6				
		18-32	SCL/wf sbk	Fi/SExp	10YR 5/8				
		32-36	SCL/SL/wf sbk	Fi/SExp	10YR 5/8				
		36-48	SCL/wf sbk	Fr/SExp	5YR 5/8 mot 10YR 7/1 mot				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): _____ SITE CLASSIFICATION (.1948): Suitable EVALUATED BY: M. Eaker OTHER(S) PRESENT: D. Eaker
Available Space (.1945)	Yes	Yes	
System Type(s)	Pump to Accepted	Pump to Accepted	
Site LTAR	0.4	0.4	

(Continuation Sheet-Complete all field in full)

Sheet 2 of 2

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: Langdon Lot 20
DATE OF EVALUATION: 12/13/24
COUNTY: Harnett

P R O F I L E #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	LS 1-6 %	0-8	LS/Gr	VFr/NExp	>48" 10YR 5/6 10YR 5/8 2.5YR 4/8 10YR 6/8	29" pm	NA	NA	Suitable 0.4
		8-20	LS/Gr	VFr/NExp					
		20-29	SCL/wf sbk	Fi/SExp					
		29-48	SL/mass	Fr/Fi//SExp					
6	LS 1-6 %	0-6	LS/Gr	VFr/NExp	32" 10YR 5/6 10YR 5/8 10YR 6/6 2.5YR 4/8 10YR 8/1	32" pm	NA	NA	Suitable 0.4
		6-18	LS/Gr	VFr/NExp					
		18-32	SCL/wf sbk	Fi/SExp					
		32-48	SC/SCL//mass	Fi/SExp					

COMMENTS: _____