



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 (checked)
(a2) Construction Authorization (checked)
(a2) Repair/Construction Authorization (unchecked)

Please check one of the following:

- New Construction (checked)
Expansion (unchecked)
System Relocation (unchecked)
Change of Use (unchecked)
Repair (unchecked)
5 Year Expiration Requested (site plan provided) (checked)
Non-Expiring Permit Requested (plat provided, as defined in G.S. 130A-334(7a)) (unchecked)

LOT 18

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 (unchecked) No (checked) Previously identified jurisdictional wetlands
Yes (unchecked) No (checked) Existing or proposed easements, rights-of-way, encroachments, or other areas subject to legal restrictions
Yes (unchecked) No (checked) 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 (unchecked) No (checked)

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 HEALTH AND HUMAN SERVICES

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Division of Public Health

Submittal Includes: [x] (a2) Improvement Permit [x] (a2) Construction Authorization [] Fee \$ _____

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

County: Harnett
PIN/Lot Identifier: 1602-44-5763.000
Issued To: Clayton Properties Group, 2521 Schieffelin Rd., Suite 116, Apex, NC 27502
Property Location: 54 Grove Township Way, Angier, NC 27501
Subdivision (if applicable) Langdon Preserve Lot #: 18 Block: Section:
LSS Report Provided: Yes [x] No []
If yes, name and license number of LSS: Michael D. Eaker, #1030
New [x] Expansion [] System Relocation [] Change of Use []
Proposed Structure: Single Family Dwelling
Number of bedrooms: 4 Number of Occupants: Other:
Design Wastewater Strength: [x] 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*: Accepted (Initial) Pump Required: [] Yes [x] No [] May be required
Proposed Wastewater System Type*: Pump to Accepted (Repair) Pump Required: [x] 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 [x] No Saprolite System (repair): [] Yes [x] No
Fill System (Initial): [] Yes [x] 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 [x] 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): 38" Usable Soil Depth (Repair): 37"
Max. Trench Depth (Initial)*: 22" Max. Trench Depth (Repair)*: 22" * Measured on the downhill side of the trench
Artificial Drainage Required: [] Yes [x] No If yes, please specify details:
Type of Water Supply: [] Private well [] Public well [] Shared well [x] Municipal Supply [] Spring [] Other:
Drainfield location meets requirements of Rule .1945: Yes [x] No [] Drainfield location meets requirements of Rule .1950: Yes [x] No []
Permit valid for: [x] 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.

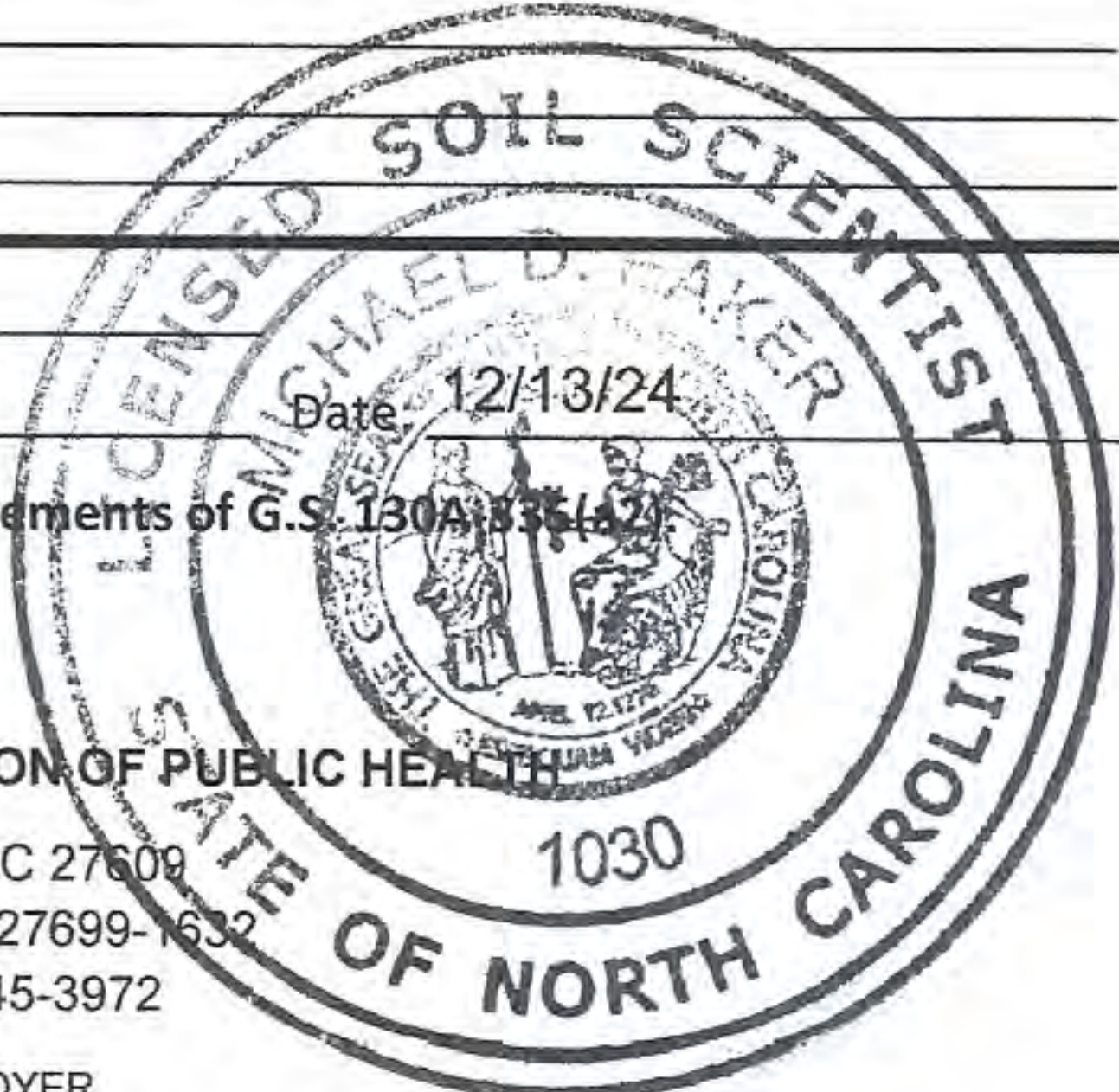
Licensed Soil Scientist Print Name: Michael D. Eaker
Licensed Soil Scientist Signature: [Signature] Date: 12/13/24

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

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
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AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER





Permit #: _____

This Section for Local Health Department Use Only

Initial 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: Harnett
PIN/Lot Identifier: 1602-44-5763.000, Lot 18
Issued To: Clayton Properties Group, 2521 Schieffelin Rd., Suite 116, Apex, NC 27502
Property Location: 54 Grove Township Way, Angier, NC 27501
AOWE/PE Plans/Evaluations Provided: Yes No If yes, name and license number of AOWE/PE: Michael D. Eaker 10013E
Facility Type: Single Family Dwelling

New Expansion Repair System Relocation Change of Use
Basement? Yes No Basement Fixtures? Yes No
Type of Wastewater System* 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 process
Session 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 center
Trench/Bed Width: 36 inches LTAR: 0.40 gpd/ft²
Soil Cover: 10 inches Slope Corrected Maximum Trench/Bed Depth*: 22 inches *Measured on the downhill side of the trench
Aggregate Depth: NA inches above pipe NA inches below pipe NA inches total
Pump Tank Size (if applicable): NA gallons Requires more than 1 pump? Yes No
Pump Requirements: NA ft. TDH vs. NA GPM Grease Trap Size (if applicable): NA 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 [.1937(h)]: Yes No
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: Yes No
Declaration of Restrictive Covenants: Yes No
Pre-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.

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. Eaker Expiration Date: 1/2/30
AOWE/PE Signature: [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 13, 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 1602-44-5763.000, 54 Grove Township Way, Langdon Preserve Subdivision, Lot 18, 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 October 7, 2024. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (2-4% slope). Soil borings conducted in most of this area consisted of 23 or more inches of loamy sand underlain by sandy loam, sandy clay loam and/or sandy loam to 48 or more inches below the soil surface. Soil wetness and/or parent material (greater than 50%) was not observed shallower than 38 inches below the soil surface (initial system) and 37 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 shallow 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 an 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

- Accepted product (300', see septic layout)
- 480 gal/day flow rate (4BR)
- 22" maximum trench depth (initial)
- 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

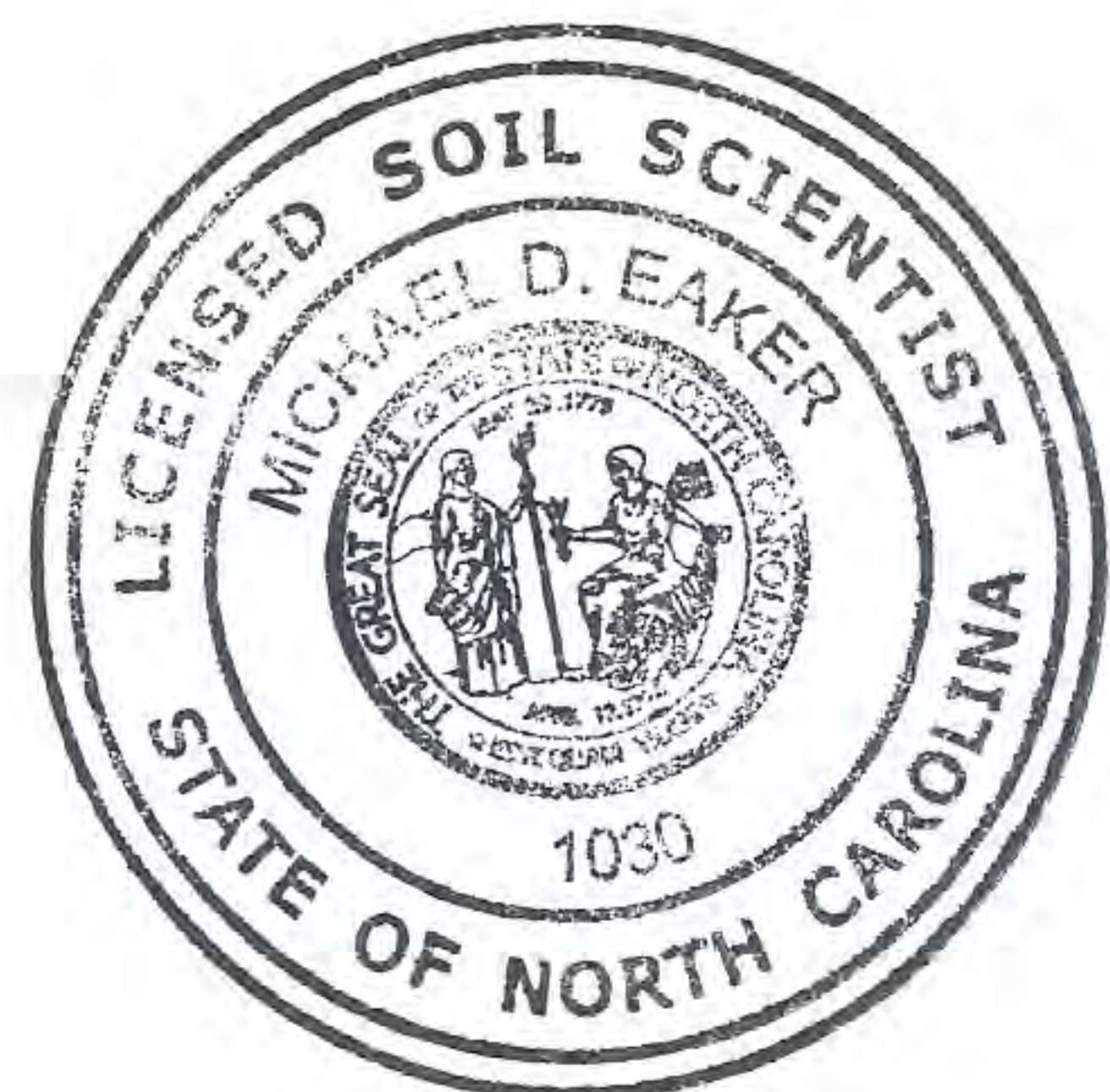
During site construction, it is important not to impact and suitable or provisionally suitable soil areas with activities such as excavation or filling. Only the vegetation should be removed in the areas of the proposed septic drainfields to prevent any disturbance of naturally occurring soil. We recommend 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 18

INITIAL SYSTEM: GRAV Approved 25% Reduction

REPAIR: Pump to Approved 25% Reduction

DISTRIBUTION: D-Box

DISTRIBUTION D-Box

BENCHMARK: 100.0

LOCATION WM Lot 18

NO. BEDROOMS: 4

LTAR 0.4 gpd/ft²

SEPTIC TANK SIZE 1,000 GAL

PUMP TANK SIZE N/A (Repair 1000 GAL)

LINE	FLAG COLOR	ELEVATION	LENGTH
1	O	97.90	60
2	P	97.50	60
3	O	97.10	60
4	P	96.60	60
5	O	96.30	60
			<u>300</u>
6	P	96.20	60
7	O	95.70	60
8	P	95.30	60
9	O	94.20	60
10	P	93.70	60
			<u>300</u>

R {

INITIAL SYSTEM {

BY B.C. Raynor

DATE Revised 12/09/2024

TYPICAL PROFILE

THERE SHALL BE NO GRADING,

0-24 LS VFR L-R

CUTTING, LOGGING OR OTHER SOIL

24-40 + SCL Fi SBK

DISTURBANCE IN SEPTIC AREA

CR2/PM ≥ 36"

HEALTH DEPARTMENT USE ONLY.
DESIGNS DO NOT GURANTEE FUNCTIONALITY

PRELIMINARY PLOT PLAN FOR

MUNGO HOMES

LOT 18, LANGDON PRESERVE

GROVE TOWNSHIP WAY

REF: B.M. 2024, PG. 588

GROVE TOWNSHIP

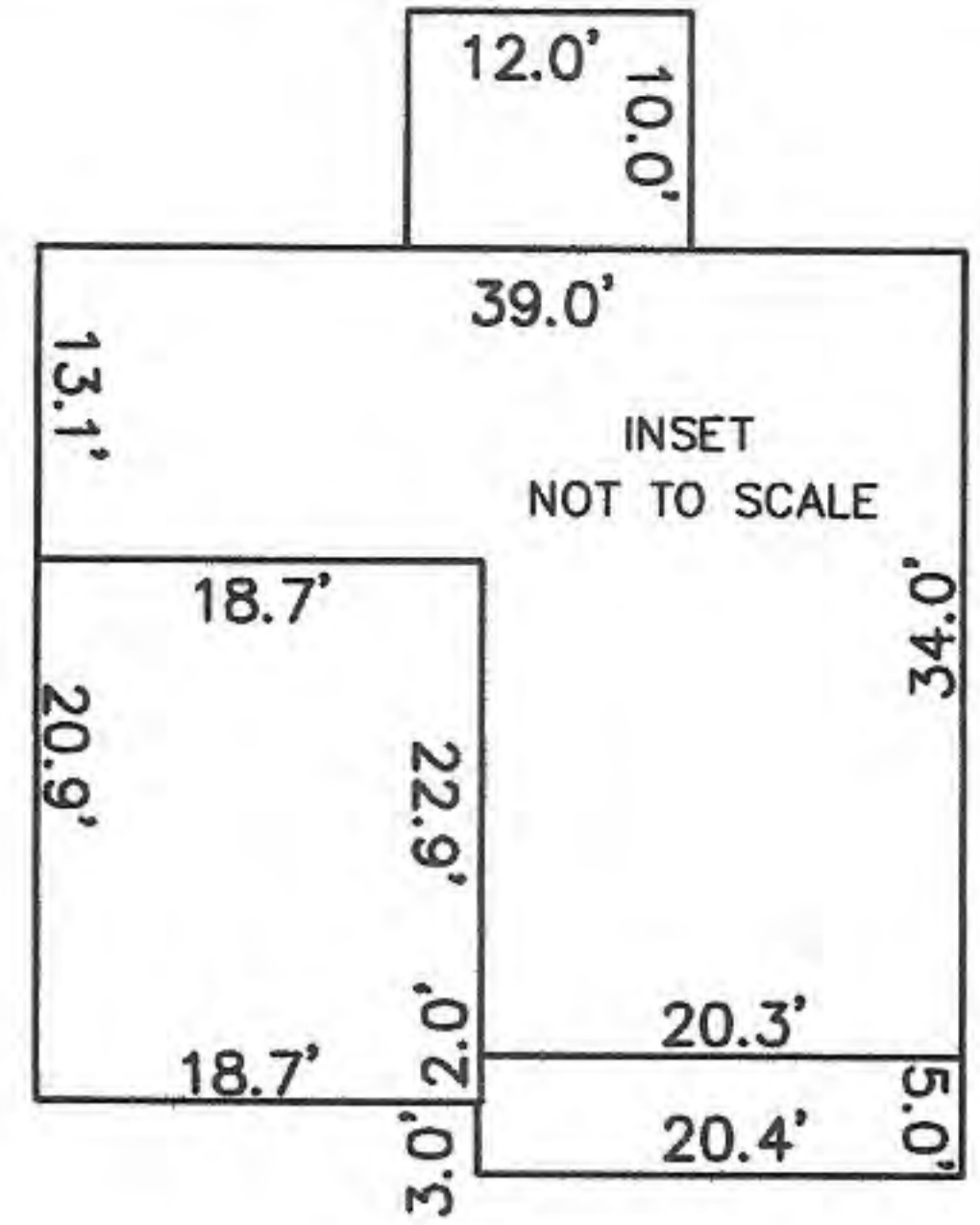
HARNETT COUNTY, NORTH CAROLINA

DECEMBER 3, 2024

ZONED RA-30



SCALE 1"=50'



*INITIAL SEPTIC
300 FEET ACCEPTED
LINES 6-10
INSTALL AT 22 INCHES
TRENCH BOTTOM
MAX*

19

LANGDON PRESERVE
B.M. 2024, PG. 588

20

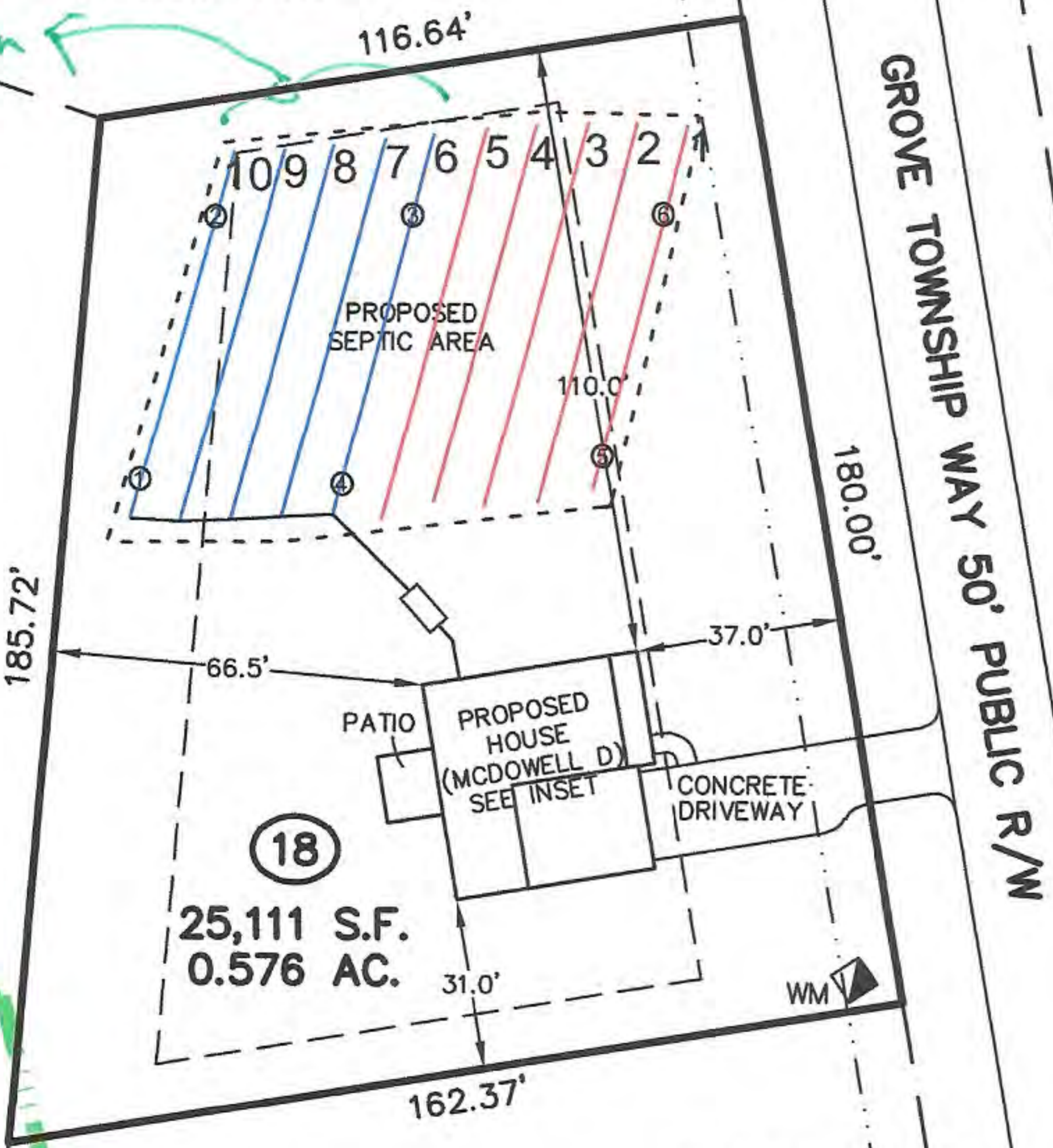
LANGDON PRESERVE
B.M. 2024, PG. 588

18

25,111 S.F.
0.576 AC.

17

LANGDON PRESERVE
B.M. 2024, PG. 588



GROVE TOWNSHIP WAY 50' PUBLIC R/W

TOTAL CONCRETE	
PATIO	120 S.F.
DRIVEWAY	806 S.F.
SIDEWALKS	31 S.F.
TOTAL	957 S.F.

IMPERVIOUS SURFACE TABLE	
HOUSE	1.465 S.F.

PRELIMINARY PLOT PLAN FOR

MUNGO HOMES

LOT 18, LANGDON PRESERVE

GROVE TOWNSHIP WAY

REF: B.M. 2024, PG. 588

GROVE TOWNSHIP

HARNETT COUNTY, NORTH CAROLINA

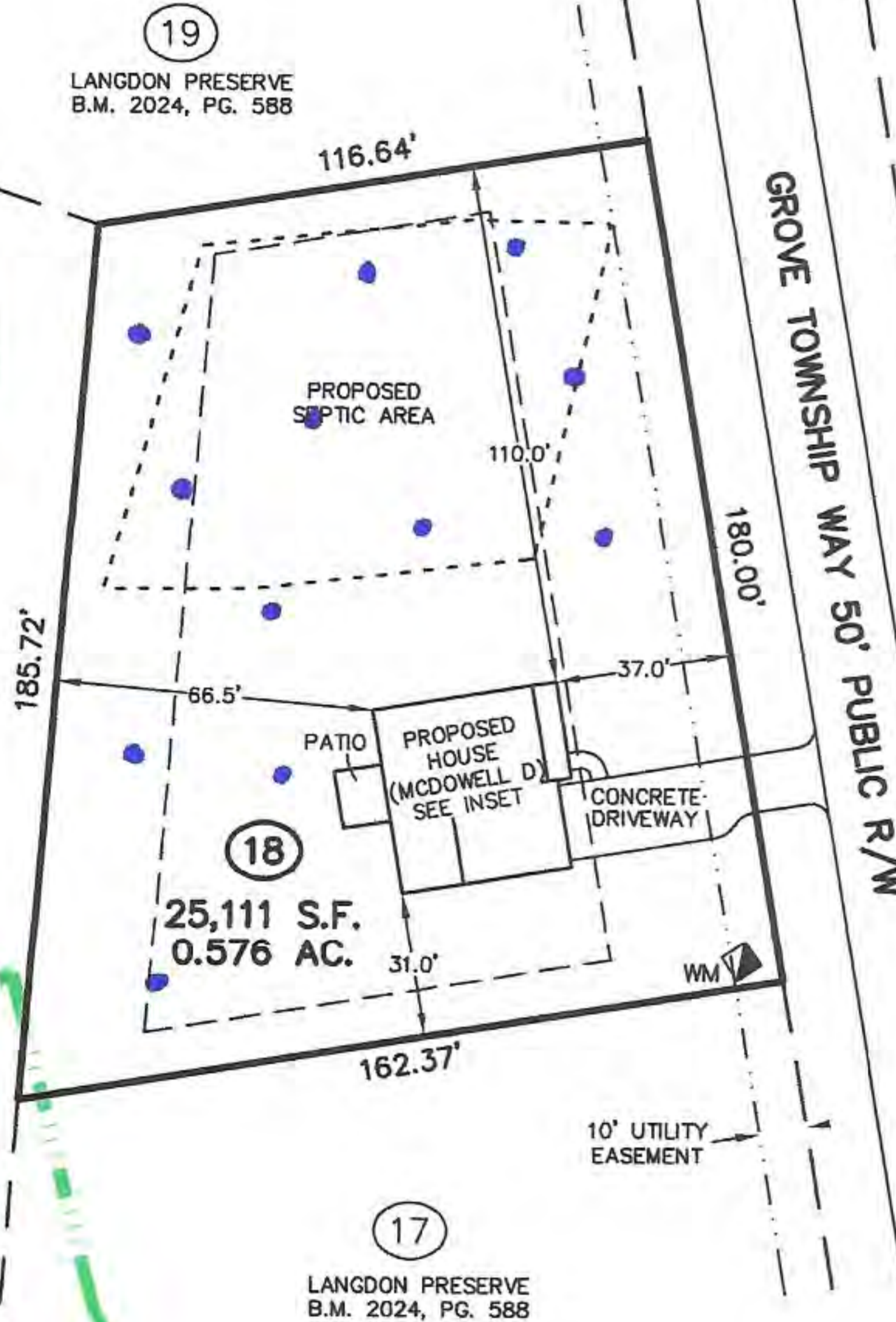
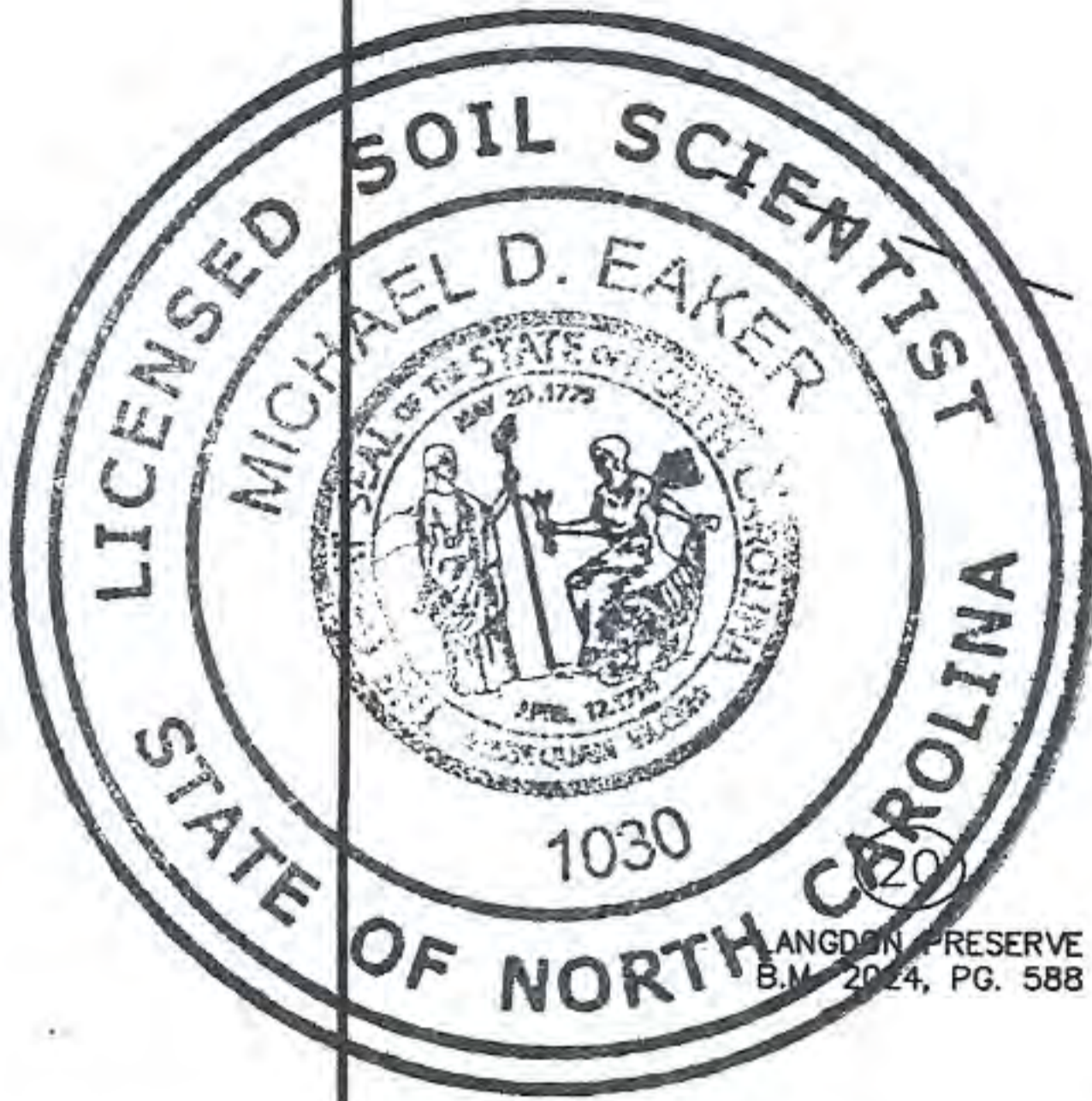
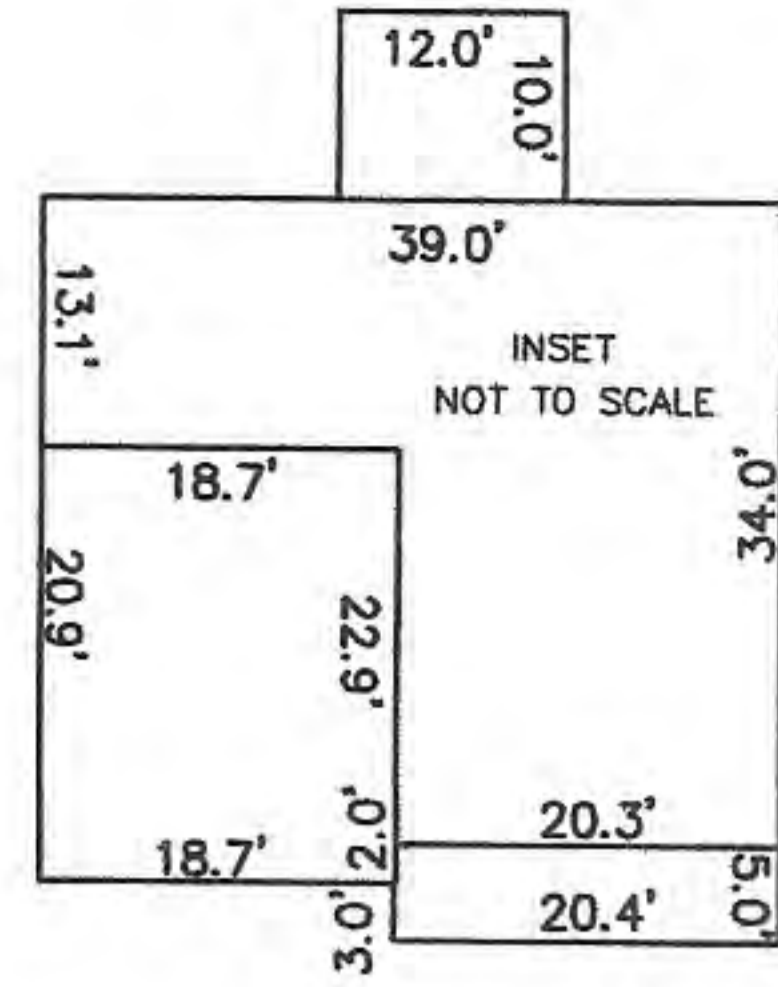
DECEMBER 3, 2024

ZONED RA-30

50 25 0 50 100



SCALE 1"=50'



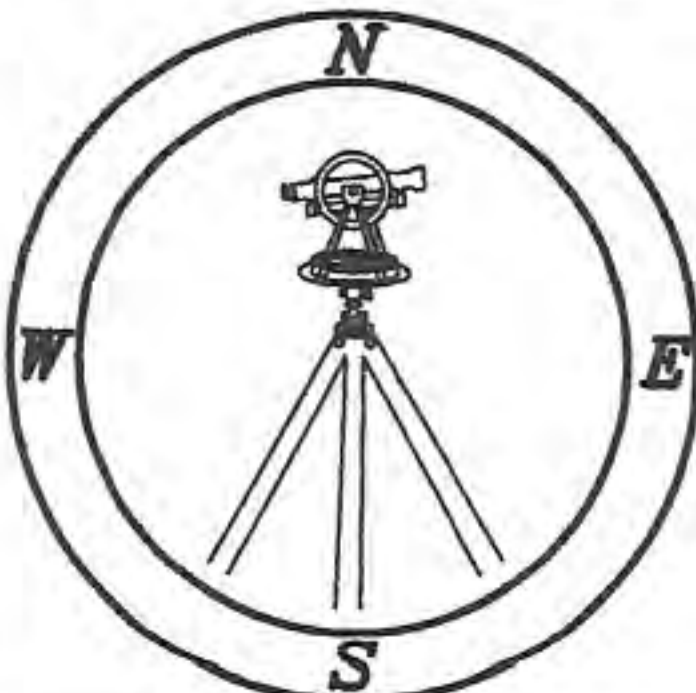
IMPERVIOUS SURFACE TABLE

HOUSE	1,465 S.F.
PATIO	120 S.F.
DRIVEWAY	621 S.F.
SIDEWALKS	31 S.F.
MISC/UTILITIES	9 S.F.
TOTAL IMPERVIOUS AREA	2,246 S.F.
TOTAL LOT AREA	25,111 S.F.
PERCENTAGE OF IMPERVIOUS AREA	8.94 %

TOTAL CONCRETE	
PATIO	120 S.F.
DRIVEWAY	806 S.F.
SIDEWALKS	31 S.F.
TOTAL	957 S.F.

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

= SUITABLE SOIL



CMP

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: 54 Grove Township Way (Lot 18)
 WATER SUPPLY: Private Public Well Spring Other _____
 EVALUATION METHOD: Auger Boring Pit Cut

APPLICATION DATE _____
 DATE EVALUATED: 10/7/24
 PROPERTY SIZE: 0.576 Ac
 PROPERTY RECORDED _____

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 2-4%	0-10	LS/Gr	VFr/Nexp	45" 10YR 5/4 10YR 5/4 7.5YR 5/8 10YR 7/1 mot	NA	NA	NA	Suitable 0.4
		10-32	LS/Gr	VFr/Nexp					
		32-45	SCL/mm sbk	F _h /SExp					
		45-48	SCL/wfsbk	Fi, SExp					
2	LS 2-4%	0-10	LS/Gr	VFr/Nexp	38" 10YR 5/4 10YR 5/4 7.5YR 5/8 10YR 6/6 mot 10YR 7/1 mot	NA	NA	NA	Suitable 0.4
		10-34	LS/Gr	VFr/Nexp					
		34-38	SCL/wf sbk	F _h /SExp					
		38-48	SCL/wfsbk	Fr, SExp					
3	LS 2-4%	0-10	LS/Gr	VFr/Nexp	38" 10YR 5/4 10YR 5/6 10YR 5/8 10YR 7/1 mot Add 7.5YR 5/8	NA	NA	NA	Suitable 0.4
		10-33	LS/Gr	VFr/Nexp					
		33-38	SCL/mm sbk	Fi/SExp					
		38-42	SCL/wfsbk	Fi, SExp					
		42-48	SCL/wfsbk	Fi, SExp					
4	LS 2-4%	0-10	LS/SL/Gr	Fr/Nexp	38" 10YR 5/4 10YR 5/6 2.5Y 5/8 10YR 7/1 mot 2.5YR 4/8	42"	NA	NA	Suitable 0.4
		10-32	LS/SL/Gr	VFr/Nexp					
		32-38	SCL/wf sbk	F _h /SExp					
		38-42	SCL/wf sbk	Fi/SExp					
		42-48	SL/wf sbk	Fr/SExp					

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)	Accepted	Accepted	
Site LTAR	0.4	0.4	

COMMENTS: _____

SOIL/SITE EVALUATION

(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 18
 DATE OF EVALUATION: 10/7/24
 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 2-4%	0-5	LS/Gr	VFr/NExp	>48" 10YR 4/4 10YR 6/6 2.5YR 4/8	37" pm	NA	NA	Suitable 0.4
		5-26	LS/Gr	VFr/NExp					
		26-37	SCL/wf sbk	Fi/SExp					
		37-48	SL/SCL/wf sbk	Fr/Fi/SExp					
6	LS 2-4%	0-8	LS/Gr	VFr/NExp	>48" 10YR 5/4 10YR 6/4 2.5YR 4/8	44" pm	NA	NA	Suitable 0.4
		8-23	LS/Gr	VFr/NExp					
		23-44	SCL/wf sbk	Fi/SExp					
		24-48	SL/SCL/wf sbk	Fr/Fi/SExp					

COMMENTS: _____