

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 Cotton Farms, Lot 9  |
|--|
| 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): Jacob Bagaoseo  |
| Owner or Owner's Representative (signature):   |
| Date: 6/10/L <sup>U</sup>  |



| Permit/File #: |
|----------------|
|----------------|

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

| County:   | Harnett   | Pre-Construction Conference Required: Yes No 🗸   |
|---|---|--|
| PIN/Lot Identifier: _   |   | 0643-36-4021   |
| Issued To:  |   | Ken Harvey Homes, LLC  |
| Property Location:  |   | 196 Hook Drive, Fuquay-Varina, NC 27526 (Cotton Farms, Lot 9)  |
| AOWE/PE Plans/Eva   | aluations Provided  | d: Yes 🗸 No 🗌 If yes, name and license number of AOWE/PE: Jason Hall, AOWE #10004E   |
|   |   | Single-Family Dwelling, 4-Bedroom  ber of Occupants:   ≤8 Other:   |
|   | Expansion   | Repair System Relocation Change of Use   |
|   | Yes   | ✓ No Basement Fixtures?  |
| Crawl Space?  | ✓ Yes   | No Slab Foundation?  |
|   |   | for proposed wastewater system types in accordance with Rule .1301 Table XXXII   |
| Design Daily Flow: _  | 360   | GPD Wastewater Strength: ✓ Domestic ☐ High Strength ☐ Industrial Process WW  |
| Session Law 2014-1<br>(if yes, please provid  |   | gineering Design Utilizing Low-flow Fixtures and Low-flow Technologies?  |
| Effluent Standard:  | ✓ DSE HS  | SE NSF/ANSI 40 TS-I TS-II RCW  |
| Type of Water Supp  | oly: Private we   | ell 🗌 Public well 🔲 Shared well 📝 Municipal Supply 🔲 Spring 🔲 Other:   |
| Trench/Bed Width: Additional Soil Cove Pump Tank Size (if a Pump Requirement Distribution Metho Artificial Drainage R Legal Agreements ( Multi-party Agreem Easement, Right-of- | 1000 gallons  36 inches er: 0 inches applicable): 10 es: 16.88 ft. TDH d: Serial  Required: Yes  (If the answer is ") ent Required [.02 | Total Trench/Bed Length: 325   feet   Trench/Bed Spacing: 9   feet on center    LTAR: 0.3   gpd/ft²   Usable Depth to LC (Initial)*: 36"   *Limiting condition    Slope Corrected Maximum Trench/Bed Depth*: 20"   inches * Measured on the downhill side of the to 1000   gallons   Requires more than 1 pump? Yes   No    vs. 27.31   GPM   Grease Trap Size (if applicable): gallons    D-Box or Parallel   Pressure Manifold(s)   LPP   Other:    No   If yes, please specify details:    Yes" to any type of legal agreements, please attach a copy of the agreement.)  204(g)]: Yes   No   Declaration of Restrictive Covenants: Yes   No    ment Agreement Required [.0301(b)]: Yes   No    Poss   No   Minimum O&M Requirements:    No   Minimum O&M Requirements:    No   Minimum O&M Requirements:    No   Minimum O&M Requirements:    No   No   Mi |
| Permit conditions   |   | 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 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 06/19/2024 Date: AOWE/PE Signature:

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (as \*See attached site sketch\*



| Permit/File #: |
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## This Section for Local Health Department Use Only

Initial submittal received: \_\_\_\_\_\_by \_\_\_\_\_by

|  | Date   | Initials   |               |
|--|--|--|---------------|
| G.S. 130A-335(a5) states the following:  |  |  |               |
| When an applicant for a Construction Authorization, or an Improvement Perr Improvement Permit and Construction Authorization application together, the Department, and any necessary signed and sealed plans or evaluations conditions are provided in the Construction Authorization or Improvement Permit and Construction, conditionally, within five business days of receiving the application, conditionally the Construction Authorization or Improvement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the components needed to complete the Construction Authorization additional information to the local health department to cure the deficiencies Authorization. The local health department shall make a final determination Authorization is complete within five business days after the local health department fails to act within any period set out in this subsection, the application permit for the project upon the decision of completeness. Authorization by the local health department or if the local health department licensed engineer submitting the evaluation pursuant to this subsection may Authorization or Improvement Permit and Construction Authorization for cautening and the construction and Construction for use as the Construction and Construction for use as the Construction and Construct | ne permit fee charged<br>ucted by a person lice<br>neral Statutes as an A<br>fluct a completeness re-<br>chorization includes al<br>Construction Authorization or Improvement<br>is in the Construction or<br>as to whether the Content the fact<br>cant may treat the fact<br>is sof the Construction<br>int fails to act within fact<br>request that the locat<br>use. Upon written request on Authorization or In | by the local health department, the common form developed by the series of pursuant to Chapter 89C of the General Statutes as a licensed uthorized On-Site Wastewater Evaluator, the local health eview of the submittal. A determination of completeness means the lot of the required components. If the local health department ration is incomplete, the local health department shall notify the Permit and Construction Authorization. The applicant may submit Authorization or Improvement Permit and Construction and information from the applicant. If the local health illure to act as a determination of completeness. The applicant may a Authorization or Improvement Permit and Construction ive business days. The Authorized On-Site Wastewater Evaluator or I health department revoke or suspend the Construction uses of the Authorized On-Site Wastewater or licensed improvement Permit and Construction pursuant to G | ne<br>I<br>at |
| The review for completeness of this Construction Authorization   | on was conducte  | d in accordance with G.S. 130A-335(a5). This   |               |
| Construction Authorization is determined to be:  |  |  |               |
| $\hfill \square$ Incomplete (If box is checked, information in this section  | is required.)  |  |               |
| The following items are missing:   | 1 2  |  | _             |
| Copies of this were sent to the AOWE/PE and the Applicant o  | on   |  | _             |
| State Authorized Agent:  |  | Date:  |               |
| ☐ Complete   | - 177  | 6/4/19   |               |
| State Authorized Agent:  |  | Date of Issuance:  |               |
| This Construction Authorization is issued pursuant to G.S. 13 attached here. This Construction Authorization is subject to Construction Authorization shall not be affected by a change to compliance with the provisions of the Laws and Rules for The Department, the Department's authorized agents, and to any liabilities, duties, and responsibilities imposed by statute plans, evaluations, preconstruction conference findings, subthe General Statutes as a licensed engineer or a person certical Authorized On-Site Wastewater Evaluator in GS 130A-335(a agents, and the local health departments shall be responsible obligations under State law or rule, including the issuance of   | revocation if the e in ownership of Sewage Treatmente or in common omittals, or actionified pursuant to (2), (a5), and (a7) the operations   | e site plan, plat, or the intended use changes. The f the site. This Construction Authorization is subject ent and Disposal and to the conditions of this permit departments shall be discharged and released from law from any claim arising out of or attributed to ns from a person licensed pursuant to Chapter 89C of Article 5 of Chapter 90A of the General Statutes as a The Department, the Department's authorized lity for their actions and evaluations and other permit pursuant to GS 130A-337.  | i.            |
| Construction Authorization Expiration Date:  |  | _  |               |
|  |  |  |               |



| Permit/File #: |
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## **Re-submittal of Construction Authorization**

|                  | LHD USE ONLY: Thi                                   | is CA resubmittal received:   | Date                    | by                  | als             |             |
|------------------|---|---|-------------------------|---------------------|-----------------|-------------|
| The following is | tems are being resubmit                             | tted pursuant to G.S. 130A-3  | 335(a5) for issuance of | of the Construction | 1 Authorization | 1:          |
|                  |   |   |                         |                     |                 |             |
|                  |   |   |                         |                     |                 |             |
|                  |   | - CSSSSS  |                         |                     |                 |             |
|                  |   |   |                         |                     |                 |             |
| is accurate and  |   | hereby attest tohereby attentionhereby attentionh | hat the information r   |                     |                 |             |
| Signatur         | e of Authorized On-Site Wast                        | ewater Evaluator  | 4                       | Date                | Ŵ               |             |
|                  | W C   | for Local Health Department เ   |                         | ems noted as missi  | ng above.       |             |
| LHD Follow-ւ     | up Completeness Re                                  | eview of Construction   | Authorization           |                     |                 |             |
|                  | completeness of this Co<br>on Authorization is dete | enstruction Authorization re<br>ermined to be:  | e-submittal was condu   | ucted in accordand  | ce with G.S. 13 | 0A-335(a5). |
| ☐ Incomplete (   | If box is checked, inforr                           | mation in this section is req   | uired.)                 |                     |                 |             |
| The following it | ems are missing:                                    |   |                         |                     |                 |             |
|                  |   | JOSE OTA  | M AIDER                 |                     |                 |             |
| Copies of this w | ere sent to the AOWE/I                              | PE and the Applicant on   | Date                    | _                   |                 |             |
| State Authorize  | d Agent:  |   |                         | Date: _             |                 |             |
| ☐ Complete       |   |   |                         |                     |                 |             |
| State Authorize  | d Agent:  |   |                         | Date:               |                 |             |



## Central Carolina Soil Consulting, PLLC

1900 South Main Street, Suite 110, Wake Forest, NC 27587 Office Number: 919-569-6704

> June 19, 2024 Job #4943

Ken Harvey Homes, LLC Attention: Andy Beaird

RE: Preliminary soil/site evaluation for single family wastewater approval at Cotton Farms Subdivision, Lot 9 (4-bedroom per an engineered flow-reduction) in Harnett County pursuant to and meets the requirements of G.S. 130A-335(a2)."

Dear Mr. Beaird:

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 2024, 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 36 inches (initial) and 36 inches (repair) of suitable soils for a modified conventional septic system. The assigned LTAR for the site is 0.3 gpd/ft<sup>2</sup> with a maximum depth of 20 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 site is 0.3 gpd/ft<sup>2</sup> with a maximum depth of 20 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 4-bedroom system (per an engineered flow-reduction) 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 Pressure Manifold distribution using lines 5-7 totaling 325 feet of accepted status product (25% reduction). The repair system for the house is a Pressure Manifold distribution using lines 1-4 totaling 237 feet of T&J Panel Block product (horizontal).

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

The tanks for the house should be minimum 1,000 gallons with risers. The tanks 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 (no rain events within 72 hours). 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)
  - o 10' minimum from property lines
  - o 5' minimum from house
- Septic Lines (see septic design)
  - o 10' minimum from property lines
  - o 5' minimum from house
- Manifold's and D-Box's (see septic design)
  - o 5' minimum from property lines
- Supply Lines (see septic design)
  - o 5' minimum from property lines
- Utilities
  - Water (10' minimum for all septic components)
  - o Power, cable, internet, etc. (5' minimum setback)

#### 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.

#### HOUSE:

- Initial System: Pressure Manifold Distribution, lines 5-7 totaling 325' (see layout)
- Repair System: Pressure Manifold Distribution, lines 1-4 totaling 237' (see layout)
- 360 gal/day flow rate (4-bedroom per engineered flow-reduction)
- 1,000 gallon tanks with risers and pressed in rubber boots on both the inlet and outlet ends and a secondary lid in each tank opening
- 20" max trench depth on the downhill side for the Initial System
- 20" 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 (No rain events within 72 hours)
- Maintain natural contours when clearing the lot

This letter discusses the location of provisionally 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.

SON M

20

NORTH

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

|                | Page1 of1    |
|----------------|--------------|
| PROPERTY ID #: | 0643-36-4021 |
| COLINTY        | Harnett      |

#### SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full) Ken Harvey Homes, LLC May 2024 OWNER: DATE EVALUATED: \_\_ ADDRESS: PROPOSED FACILITY: single-family dwelling PROPOSED DESIGN FLOW (.0400): 0.57 acres 360 gal/day PROPERTY SIZE: 196 Hook Drive, Fuquay-Varina, NC 27526 (Cotton Farms, Lot 9) LOCATION OF SITE: 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<br>R<br>O<br>F |  |                           | SOIL MO                        | RPHOLOGY                            | OTHER PROFILE FACTORS              |                        |                         |                           |                                      |                                 |
|------------------|--|---------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------|-------------------------|---------------------------|--------------------------------------|---------------------------------|
| I<br>L<br>E      | .0502<br>LANDSCAPE<br>POSITION/<br>SLOPE % | HORIZON<br>DEPTH<br>(IN.) | .0503<br>TEXTURE/<br>STRUCTURE | .0503<br>CONSISTENCE/<br>MINERALOGY | .0504<br>SOIL<br>WETNESS/<br>COLOR | .0505<br>SOIL<br>DEPTH | .0506<br>SAPRO<br>CLASS | .0507<br>RESTR<br>HORIZON | .0509<br>PROFILE<br>CLASS &<br>LTAR* | .0502(d)<br>SLOPE<br>CORRECTION |
|                  | L, ~9%                                     | A, 0-4                    | SL, GR                         | VFR, NS, NP                         |                                    |                        |                         |                           |                                      |                                 |
| 1                | ,  | Bt1, 4-20                 | SCL, SBK                       | FR, SS, SP, SEXP                    |                                    | S                      |                         |                           | S, 0.4                               | 4"                              |
| ľ                |  | Bt2, 20-30                | CL, SBK                        | FR, SS, SP, SEXP                    |                                    | S                      |                         |                           | S, 0.35                              | †                               |
| Ī                |  | BC, 30-36                 | CL, SBK                        | FR, SS, SP, SEXP                    |                                    | S                      |                         |                           | S, 0.35                              | †                               |
|                  |  | C, 36-42                  | L, GR                          | FR, NS, NP                          |                                    | S                      |                         |                           | S, 0.35                              | †                               |
|                  |  | AR @ 42                   | ,                              | , ,                                 |                                    |                        |                         |                           | ,                                    | Ī                               |
| _                | L, ~9%                                     | AE, 0-16                  | SL, GR                         | VFR, NS, NP                         |                                    |                        |                         |                           |                                      |                                 |
| 2                |  | B, 16-26                  | SL, GR                         | VFR, NS, NP                         |                                    | S                      |                         |                           | S, 0.6                               | 4"                              |
| Ī                |  | Bt, 26-36                 | CL, SBK                        | FR, SS, SP, SEXP                    |                                    | S                      |                         |                           | S, 0.35                              | Ī                               |
| Ī                |  | AR @ 36                   | Í                              |                                     |                                    |                        |                         |                           |                                      | Ī                               |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | ]                               |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |
|                  | L, ~9%                                     | A, 0-3                    | SL, GR                         | VFR, NS, NP                         |                                    |                        |                         |                           |                                      |                                 |
| 3                |  | Bt, 3-36                  | CL, SBK                        | FR, SS, SP, SEXP                    |                                    | S                      |                         |                           | S, 0.325                             | 4"                              |
|                  |  | C, 36-39                  | L, GR                          | FR, NS, NP                          |                                    | U                      |                         |                           | U                                    |                                 |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | [                               |
| L                |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | ]                               |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |
| 4                | L, ~8%                                     | AE, 0-15                  | SL, GR                         | VFR, NS, NP                         |                                    |                        |                         |                           |                                      | 2"                              |
| 4                |  | B, 15-26                  | SL, GR                         | VFR, NS, NP                         |                                    | S                      |                         |                           | S, 0.6                               | 3"                              |
| L                |  | Bt1, 26-37                | C, SBK                         | FI, SS, SP, SEXP                    |                                    | S                      |                         |                           | S, 0.3                               |                                 |
|                  |  | Bt2, 37-42                | C, SBK                         | FI, SS, SP, SEXP                    | 10YR 7/2                           | U                      |                         |                           | U                                    |                                 |
|                  |  |                           |                                |                                     |                                    |                        |                         | ļ                         |                                      | <u> </u>                        |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | 1                               |
| ļ                |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | 1                               |
|                  |  |                           |                                |                                     |                                    |                        |                         | ļ                         |                                      | <u> </u>                        |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | 1                               |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |
| ļ                |  |                           |                                |                                     |                                    |                        |                         |                           |                                      | 1                               |
|                  |  | 1                         |                                |                                     |                                    | 1                      |                         |                           |                                      | 1                               |
| ŀ                |  |                           |                                |                                     | 1                                  |                        |                         | 1                         |                                      | T                               |
|                  |  |                           |                                |                                     |                                    |                        |                         |                           |                                      |                                 |

| DESCRIPTION             | INITIAL SYSTEM       | REPAIR SYSTEM        |                              |            |
|-------------------------|----------------------|----------------------|------------------------------|------------|
| Available Space (.0508) | yes                  | yes                  | SITE CLASSIFICATION (.0509): | suitable   |
| System Type(s)          | IIIbg, accepted      | IIIbe, PPBPS         | EVALUATED BY:                | Jason Hall |
| Site LTAR               | 0.3                  | 0.3                  | OTHER(S) PRESENT:            | James Rice |
| Maximum Trench Depth    | 20" on downhill side | 20" on downhill side |                              |            |

| Comments: |      |      |      |
|-----------|------|------|------|
|           |      |      |      |
|           | <br> | <br> | <br> |

## **LEGEND**

| LANDSCAPE<br>POSITION | SOIL<br>GROUP | SOIL<br>TEXTURE             | CONVENTIONAL<br>LTAR (gpd/ft²) | SAPROLITE<br>LTAR (gpd/ft²) | LPP LTAR<br>(gpd/ft²) | MINERALOGY/<br>CONSISTENCE |                            | STRUCTURE               |                            |
|-----------------------|---------------|-----------------------------|--------------------------------|-----------------------------|-----------------------|----------------------------|----------------------------|-------------------------|----------------------------|
| CC (Concave slope)    |               | S (Sand)                    |                                | 0.6 - 0.8                   |                       | MOIST                      | WET                        | SG (Single grain)       |                            |
| CV (Convex Slope)     |               | LS<br>(Loamy sand)          | 0.8 - 1.2                      | 0.5 -0.7                    | 0.4 -0.6              | Lo<br>(Loose)              | NS<br>(Non-sticky)         | M<br>(Massive)          |                            |
| D (Drainage way)      | п             | SL<br>(Sandy loam)          | 0.6 - 0.8                      | 0.4 -0.6                    | 0.3 - 0.4             | VFR<br>(Very friable)      | SS<br>(Slightly<br>sticky) | GR<br>(Granular)        |                            |
| FP (Flood plain)      |               | L<br>(Loam)                 | 5.5 0.0                        | 0.2 - 0.4                   | 0.0                   |                            | FR<br>(Friable)            | S<br>(Sticky)           | SBK<br>(Subangular blocky) |
| FS (Foot slope)       |               | SiL<br>(Silt loam)          |                                | 0.1 - 0.3                   |                       | FI<br>(Firm)               | VS<br>(Very sticky)        | ABK<br>(Angular blocky) |                            |
| H (Head slope)        |               | SCL<br>(Sandy clay<br>loam) |                                | 0.05 - 0.15**               |                       | VFI<br>(Very firm)         | NP<br>(Non-plastic)        | PR (Prismatic)          |                            |
| L (Linear Slope)      | Ш             | CL (Clay loam)              | 0.3 - 0.6                      |                             | 0.15 - 0.3            | EFI<br>(Extremely firm)    | SP<br>(Slightly plastic)   | PL (Platy)              |                            |
| N (Nose slope)        |               | SiCL<br>(Silty clay loam)   |                                |                             |                       | P<br>(Plastic)             |                            |                         |                            |
| R (Ridge/summit)      |               | Si (Silt)                   |                                | None                        |                       |                            | VP<br>(Very<br>plastic)    |                         |                            |
| S (Shoulder slope)    |               | SC (Sandy clay)             |                                |                             |                       | SEXP (Slightly             | expansive)                 |                         |                            |
| T (Terrace)           | IV            | SiC (Silty clay)            | 0.1 - 0.4                      |                             | 0.05 - 0.2            | EXP (Exp                   | ansive)                    |                         |                            |
| TS (Toe Slope)        | 1             | C (Clay)                    |                                |                             |                       |                            |                            | •                       |                            |
|                       |               | O (Organic)                 | None                           |                             |                       | 1                          |                            |                         |                            |

HORIZON DEPTH In inches below natural soil surface DEPTH OF FILL In inches from land surface

RESTRICTIVE HORIZON Thickness and depth from land surface

SAPROLITES(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

CLASSIFICATIONS (Suitable) or U (Unsuitable)

<sup>\*</sup> 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.

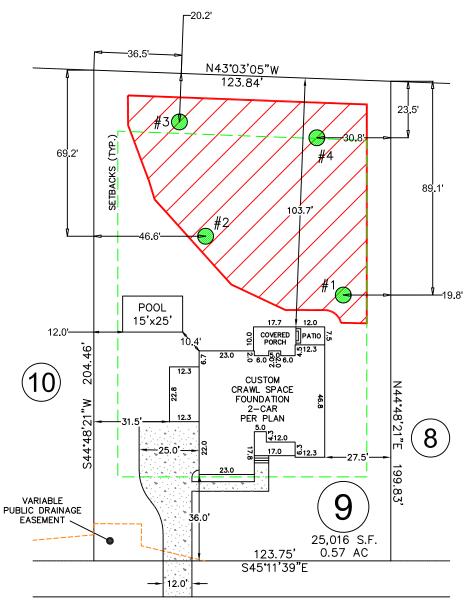




#1 = profile description locations

System and Repair Area:

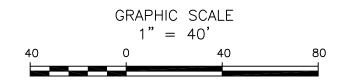
- ~7,060ft<sup>2</sup>
- 0.3 soil LTAR
- 4-bedroom per Engineered Flow-Reduction: Accepted Product Primary and PPBPS Repair



# HOOK DRIVE

50' PUBLIC R/W & UTILITY

- \*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





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 9, Cotton Farms Subdivision Harnett County, North Carolina Job#: 4943

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