| Permit #: | |
|-----------|--|
| | |



ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

| Submittal Includes: (a2) Improvement Permit | (a2) Construction Authorization | n Fee \$ | |
|---|---------------------------------|------------------------------------|-----------------------------|
| IMPROVEMENT P | PERMIT FOR G.S. 130A-3 | 335(a2) | |
| County: | | | |
| PIN/Lot Identifier: | | | |
| Issued To: | | | |
| Property Location: | | | |
| Subdivision (if applicable) | Lot #: | Block: | Section: |
| LSS Report Provided: Yes No No | | | |
| If yes, name and license number of LSS: | | | |
| New Expansion | System Relocation | Change of Us | e 🗌 |
| Proposed Structure: | | | |
| Number of bedrooms: Ot | :her: | | |
| Design Wastewater Strength: domestic hig | gh strength indu | strial process | |
| Proposed Design Daily Flow: GPD Propo | sed LTAR (Initial): | Proposed LTAR (Repair) | : |
| Proposed Wastewater System Type*: | (Initial) Pump | Required: 🗌 Yes 🔲 No | May be required |
| Proposed Wastewater System Type*: | (Repair) Pump I | Required: 🗌 Yes 🔲 No | May be required |
| *Please include system classification for proposed wastewater sys | stem types in accordance with 1 | 5A NCAC 18A .1961 Table | e V(a) |
| Saprolite System (initial): Yes No Saprolite System | n (repair): 🗌 Yes 🔲 No | | |
| Fill System (Initial): 🗌 Yes 🔲 No If yes, specify: 🗌 New 🔲 I | Existing (when adding more tha | in 6 inches of fill to syster | m area provide a fill plan) |
| Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🔲 New 📗 | Existing (when adding more tha | an 6 inches of fill to syste | m area provide a fill plan) |
| Usable Soil Depth (Initial): Usable Soil Dept | th (Repair): | | |
| Max. Trench Depth (Initial) [‡] : Max. Trench De | pth (Repair)‡: | _ [‡] Measured on the dov | vnhill side of the trench |
| Artificial Drainage Required: \square Yes $\ \square$ No $\ $ If yes, please specif | y details: | | |
| Type of Water Supply: 🗌 Private well 🔃 Public well 🔲 Sha | red well | y Spring Oth | er: |
| Drainfield location meets requirements of Rule .1945: Yes 🗌 🛚 🐧 | No Drainfield location mee | ets requirements of Rule | .1950: Yes 🗌 No 🗌 |
| Permit valid for: Five years [site plan submitted pursuant to G | S 130A-334(13a)] 🗌 No expira | ation [plat submitted pur | suant to GS 130A-334(7a) |
| Permit conditions: | | | |
| | | | |
| | | | |
| | | | |
| Licensed Soil Scientist Print Name: | | Date: | |
| FILEDICED SOULSCIENTIST SIGNATURE: //LAXX X //I/NA/I/NA | | I ISTA! | |

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



| Permit #: |
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|-----------|

This Section for Local Health Department Use Only

| Initial subn | nittal received: | | by | | |
|--|---|--|--|---|--|
| | | Date | Initials | 5 | |
| G.S. 130A-335(a3) states the following: | | | | | |
| When an applicant for an Improvement Permit submits to department, the common form developed by the Departm within five business days of receiving the application, condepermit includes all of the required components. If the local shall notify the applicant of the components needed to condepartment to cure the deficiencies in the Improvement Persis complete within five business days after the local health act within any period set out in this subsection, the applications form for use as the Improvement Permit. | ent, and a soil evaluati duct a completeness rev I health department de mplete the Improvemer ermit. The local health o department receives ti | on pursuant to su view of the submit termines that the nt Permit. The app department shall he additional info | bsection (a2) of thi tal. A determinatic Improvement Pern Ilicant may submit make a final detern rmation from the a | is section, the local hea on of completeness me nit is incomplete, the lo additional information mination as to whether applicant. If the local he | Ith department shall, ans that the Improvement cal health department to the local health the Improvement Permit ealth department fails to |
| The review for completeness of this Improvem Permit is determined to be: | ient Permit was co | onducted in ac | cordance with (| G.S. 130A-335(a3) | . This Improvement |
| ☐ Incomplete (If box is checked, information | ı in this section is r | equired.) | | | |
| The following items are missing: | | | | | |
| | | | | | |
| Copies of this were sent to the LSS and the Ap | | Date | | | |
| State Authorized Agent: | | | | Date: | |
| ☐ Complete | 3//0 | | | 121 | |
| State Authorized Agent: | | | | Date: | |
| This Improvement Permit is issued pursuant to attached here. The issuance of this permit by permit holder is responsible for checking with to revocation if the site plan, plat, or the interownership of the site. This permit is subject to Disposal and to the conditions of this permit. | y the Health Depar n appropriate gove nded use changes. to compliance witl | rtment in no we erning bodies . The Improve | ay guarantees in meeting the ement Permit s | the issuance of o ir requirements. T shall not be affecte | ther permits. The his permit is subject ed by a change in |
| The Department, the Department's authorize any liabilities, duties, and responsibilities imp evaluations, submittals, or actions from a lice | osed by statute o | r in common l | aw from any cl | laim arising out of | or attributed to |
| Improvement Permit Expiration Date: | | | | | |
| | | | | | |
| | | | | | |

See attached site sketch



| Permit #: | |
|-----------|--|
|-----------|--|

Re-submittal of Improvement Permit

| Г | | | | \neg |
|-------------------|---|---------------------------------------|--|-----------------|
| | LHD USE ONLY: This IP resubmittal received: | | by | |
| | | Date | Initials | |
| The following it | ems are being resubmitted pursuant to G.S. 130A-335(| (a3) for issuance | of the Improvement Permit: | |
| | | | | |
| | STA | The | A. | |
| | A THE SH | THE OF | | |
| is accurate and o | hereby attest that cientist (Print Name) complete to the best of my knowledge and that the prolams, regulations, rules, and ordinances. | | required to be included with ement Permit meets all appli | |
| Signature | e of Licensed Soil Scientist | | Date | |
| | The section below is for Local Health Department use o | after submittal of | items noted as missing above. | |
| LHD Follow-u | p Completeness Review of Improvement Pe | ermit | | |
| | ompleteness of this Improvement Permit re-submitta ermit is determined to be: | l was conducted | in accordance with G.S. 130 | A-335(a3). This |
| ☐ Incomplete | (If box is checked, information in this section is requir | red.) | | |
| The following ite | ems are missing: | | | |
| | The second | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | |
| Copies of this we | ere sent to the LSS and the Applicant on | | | |
| State Authorized | d Agent: | | Date: | |
| ☐ Complete | | | | |
| State Authorized | d Agent: | | Date: | |



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

| County: |
|--|
| PIN/Lot Identifier: |
| ssued To: |
| Property Location: |
| AOWE/PE Plans/Evaluations Provided: Yes 🔲 No 🔲 If yes, name and license number of AOWE/PE: |
| Facility Type: |
| New Expansion Repair System Relocation Change of Use |
| Basement? Yes No Basement Fixtures? Yes No |
| Type of Wastewater System*(Initial)(Repa |
| *Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a) |
| Design Daily Flow: 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: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center |
| Trench/Bed Width: inches LTAR: gpd/ft² |
| Soil Cover: inches Slope Corrected Maximum Trench/Bed Depth [‡] : inches * Measured on the downhill side of the trench |
| Aggregate Depth:inches above pipeinches below pipeinches total |
| Pump Tank Size (if applicable): gallons Requires more than 1 pump? 🔲 Yes 🔲 No |
| Pump Requirements: ft. TDH vs GPM Grease Trap Size (if applicable): gallons |
| Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: |
| Artificial Drainage Required: Yes No If yes, please specify details: |
| Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.) |
| Multi-party Agreement Required [.1937(h)]: |
| Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: |
| Declaration of Restrictive Covenants: |
| Pre-Construction Conference Required: Yes No No |
| Conditions: |
| |
| |
| The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference |
| nto this permit and shall be met. Systems shall be installed in accordance with the attached system layout. |
| AOWE/PE Print Name: Expiration Date: |
| AOWE/PE Signature: Date: |

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

See attached site sketch



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

| | Initial submittal received: | by | |
|--|--|--|---|
| | | Date | Initials |
| G.S. 130A-335(a5) states the follo | _ | | |
| mprovement Permit and Construction All Department, and any necessary signed and any necessary signed and angineer or a person certified pursuant to department shall, within five business dath the Construction Authorization or Improvements needed to conditional information to the local health Authorization. The local health department fails to act within any period apply for the building permit for the project of the engineer submitting the evaluation or Improvement Permit and the local health department and the local he local health department and the local he local health department and the local he local health department and the local health department and the local health department shall he local health department shall he local health department shall health department shall he local health shall he local health shall he local health shall he local health shall health shall health shall health shall healt | uthorization application together, the pend sealed plans or evaluations conducted of Article 5 of Chapter 90A of the General ys of receiving the application, conduct a green Permit and Construction Authorizization or Improvement Permit and Construction or Improvement Permit and Construction or Improvement Permit and Construction Authorization of the Construction Authorization of the Sall make a final determination as to interest and sall make a final determination as to interest and the subsection, the applicant sect upon the decision of completeness of the point or if the local health department fair in pursuant to this subsection may requited Construction Authorization for cause. Let | rmit fee charged by the lood by a person licensed purson licensed purson licensed purson licensed purson licensed purson licensed purson licensed l | ntion together, submits a Construction Authorization, or an cal health department, the common form developed by the suant to Chapter 89C of the General Statutes as a licensed of On-Site Wastewater Evaluator, the local health the submittal. A determination of completeness means that required components. If the local health department the complete, the local health department shall notify the add Construction Authorization. The applicant may submit the tonor Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health that as a determination of completeness. The applicant may ration or Improvement Permit and Construction ass days. The Authorized On-Site Wastewater Evaluator or the partment revoke or suspend the Construction as Authorized On-Site Wastewater Evaluator or licensed and Construction Authorization pursuant to G.S. |
| The review for completeness of t | this Construction Authorization v | was conducted in acc | ordance with G.S. 130A-335(a5). This |
| Construction Authorization is de | termined to be: | | |
| ☐ Incomplete (If box is checked | d, information in this section is re | equired.) | |
| The following items are missing: | | | |
| Copies of this were sent to the A | OWE/PE and the Applicant on _ | Date | W 76 // |
| State Authorized Agent: | | | Date: |
| Complete | 1 Land | | 15/8 |
| State Authorized Agent: | J. PRIL | 12 1776 | Date of Issuance: |
| attached here. This Construction Construction Authorization shall to compliance with the provision of the Department, the Department in liabilities, duties, and respondans, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater agents, and the local health dep | n Authorization is subject to rev I not be affected by a change in ns of the Laws and Rules for Sev nt's authorized agents, and the nsibilities imposed by statute or cion conference findings, submit ed engineer or a person certified Evaluator in GS 130A-335(a2), (| ocation if the site plan ownership of the site wage Treatment and local health department in common law from tals, or actions from a pursuant to Article (a5), and (a7). The Dend bear liability for the | ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The ite. This Construction Authorization is subject Disposal and to the conditions of this permit. The entry shall be discharged and released from many claim arising out of or attributed to a person licensed pursuant to Chapter 89C of 5 of Chapter 90A of the General Statutes as an epartment, the Department's authorized their actions and evaluations and other pursuant to GS 130A-337. |
| Construction Authorization Expi | ration Date: | | |
| · | | <u></u> | |
| | dia . | | |

See attached site sketch



| Permit #: | |
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|-----------|--|

Re-submittal of Construction Authorization

| | I HD LISE ONLV | This CA resubmittal received: | | by | | |
|------------------|---|--|----------------------|-------------------|-------------------|--------------|
| | END OSE ONET. | This CA resubilitial received | Date | by | nitials | |
| The following i | tems are being resul | omitted pursuant to G.S. 130A-33 | 5(a5) for issuance | of the Construct | ion Authorization | 1: |
| | | | | | | |
| | | | | | | |
| l. | | hereby attest tha | at the information i | required to be in | ncluded with this | re-submittal |
| is accurate and | | | | | | |
| Signatur | re of Authorized On-Site \ | Nastewater Evaluator | | Date | | |
| LHD Follow-ւ | | w is for Local Health Department use s Review of Construction A | | tems noted as mi | issing above. | |
| | completeness of this on Authorization is c | s Construction Authorization re-s determined to be: | ubmittal was cond | ucted in accorda | ance with G.S. 13 | 0A-335(a5). |
| ☐ Incomplete (| (If box is checked, in | formation in this section is requi | red.) | | | |
| The following it | ems are missing: | | | | | |
| | | IANO 300 MILE | M VIDER | | | |
| Copies of this w | vere sent to the AOV | VE/PE and the Applicant on | Date | - | | |
| State Authorize | d Agent: | | | Date | 2: | |
| ☐ Complete | | | | | | |
| State Authorize | d Agent: | | | Date | <u>:</u> | |

6

Adams Soil Consulting, PLLC 1676 Mitchell Road Angier, NC 27501 919-414-6761

alexadams@bcsoil.com

December 18, 2024 Project #1968

"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)."

"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)"

RE: 270 Travelers Way – Lillington, NC (Harnett County) -Lot #352 – Oakmont Subdivision for Oakmont Holdings, Inc (PIN# 0507-64-6281) To whom it may concern:

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, State Subsurface Rules, 15ANCAC 18E. From this evaluation, ASC is providing the attached 4-bedroom (480 gallon/day) septic design.

The suitable soils found on the subject property were relatively consistent in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.

Please find the attached wastewater soil/site evaluation forms for specific soil properties found in the initial and repair areas as well as assigned soil long term acceptance rate (LTAR). Numerous soil borings were made throughout the property and representative soil profile descriptions for the primary septic field and repair area are provided. A location sketch for profile descriptions is also attached. The initial and primary septic fields were sized based on a flow rate of 480 gallons/day and utilizing an Accepted Status or PPBPS system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the primary and repair (if needed) system on contour, see attached site plan for the primary system and repair

locations. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and local county regulations for septic system installation. The trenches must be installed in the same location as the site plan. If the installation is in question at the time of installation call me (Alex Adams) at 919-414-6761.

This report discusses the location of provisionally suitable soils identified on the property and does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime.

Sincerely,

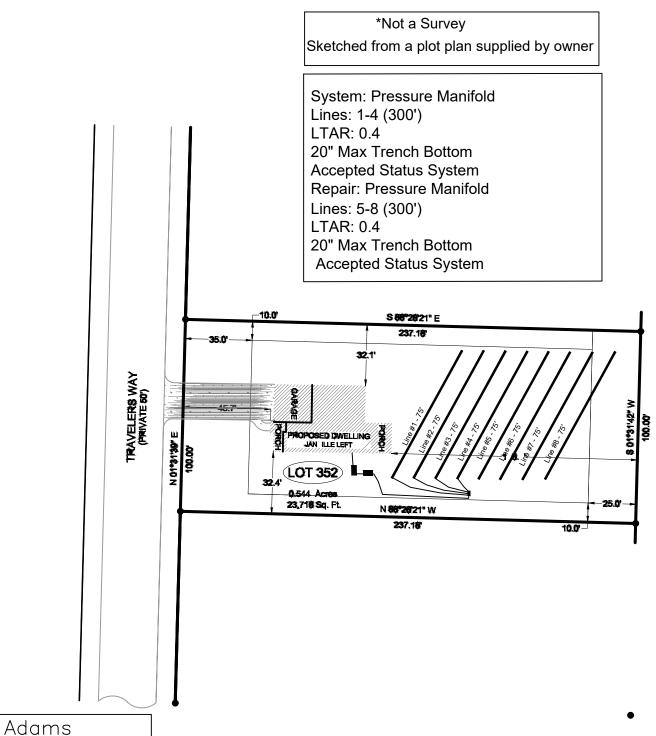
Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E



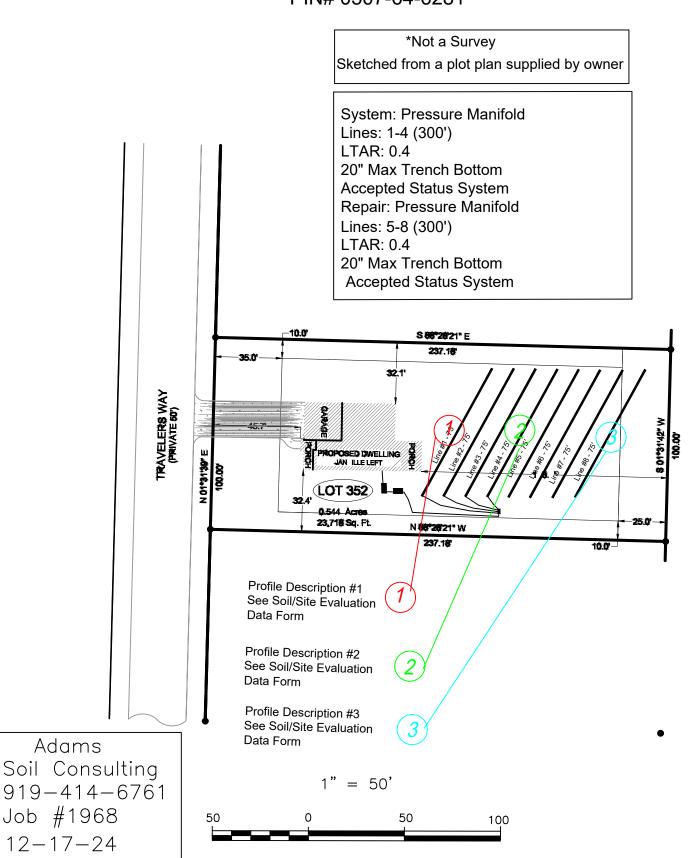


Oakmont - Lot #352 4-Bedroom Septic Design 270 Travelers Way - Harnett County Ascot Corporation, LLC PIN# 0507-64-6281



Adams
Soil Consulting
919-414-6761
Job #1968
12-17-24

Oakmont - Lot #352 Soil Boring Locations 270 Travelers Way - Harnett County Ascot Corporation, LLC PIN# 0507-64-6281



PRESSURE MANIFOLD DESIGN

Name: Ascott P.I.N. #: 0507-64-6281 D#:

Address: 270 Travelers Way Subdiv: Oakmont Lot#: 352

of BDR: 4 Daily Flow: 480 gal/day L.T.A.R.: 0.40 gal/day/sq.ft

Septic Tank: 1000 gals Pump Tank: 1000 gals Sq. Foot: 900 Stone Depth:

Number of Taps: 4 Length of Trenches: 300 ft(See Tap Chart for Details)

Depth of Trenches: 20 in Manifold Length: 42 in

Manifold Diameter: 4in sch 80pvc Tap Configuration: 6 in spacing side(s) of manifold

Supply Line: length: 60 ft Diameter: 2 in sch 40pvc

Friction Loss + Fitting Loss: 2.46 ft(supply line length + 70' for fittings in pump tank)

Design Head: $\underline{2}$ ft Elevation Head: $\underline{6.00}$ ft

Total Head: 10.46 ft Pump to Deliver: 28.44 gals/min at 10.46 ft head

Dosing Volume: $\underline{146}$ gals,

Drawdown: 146 gals divided by $\underline{20}$ gals/in = $\underline{7.3}$ inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter,

or equal is required.

Possible pumps: Hydromatic: Goulds: Myers:

Zoeller: Model 151 Other:

TAP CHART

| Bench Mark | 0 | is = 100.00 | set at EIP | | | | Design Head: | 2 | |
|--------------------|-------------|-------------|------------|-------------|--------------|----------|----------------|------------------|-----------|
| Pump tank elev. | | 4.5 | 95.50 | Pump elev. | 90.50 | | Manifold elev. | 95.00 | |
| line | color | rod read | Elevation | length | hole size | flow/tap | gal/day | trench area | LINE LTAR |
| 1 | | 6.0 | 94.00 | 75 | 1/2in SCH 40 | 7.11 | 120.00 | 225 | 0.533 |
| 2 | | 6.6 | 93.40 | 75 | 1/2in SCH 40 | 7.11 | 120.00 | 225 | 0.533 |
| 3 | | 7.2 | 92.80 | 75 | 1/2in SCH 40 | 7.11 | 120.00 | 225 | 0.533 |
| 4 | | 7.6 | 92.40 | 75 | 1/2in SCH 40 | 7.11 | 120.00 | 225 | 0.533 |
| | | total | feet = | 300 | gal/min = | 28.44 | | LTAR = | 0.40 |
| % of Dose Vol. | | 75 | | Des. Flow | 480 | | | (Itar + 5%) | 0.42 |
| Dose Volume | | 146 | | Pump Run= | 16.88 | | | LTAR with 25% re | 0.53 |
| Dose Pump Time | • | 5.14 | | Tank Gal/IN | 20 | | | | |
| Drawdown in Incl | hes | 7.3 | | Elev. Head | 6.00 | | | | |
| Supply Line Leng | y th | 100 | | | | | | | |
| Commonter | | | | | | | | | |

Comments:

Hydraulic Profile

| Manifold Elevation | 95.00 | 100 |
|--------------------|-------|-----|
| Pump tank elev. | 95.50 | 2 |
| Pump elev. | 90.50 | 0 |

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Ascott Group

APPLICATION DATE:

ADDRESS: 270 Travelers Way. –Oakmont – Lot 352 – Lillington, NC

DATE EVALUATED: 12-17-24

PROPOSED FACILITY: Single Family, 4-bedroom PROPOSED DESIGN FLOW (.1949): 480gpd

PROPERTY SIZE: ~0.65 acres

LOCATION OF SITE: 270 Travelers Way. –Oakmont – Lot 350 – Lillington, NC

WATER SUPPLY: Public Water

EVALUATION METHOD: Auger Boring TYPE OF WASTEWATER: Sewage

| EVILE | UATION METH | OD. Ruger | Boring | 111 | E OF WASTE | WAILK. | Sewage | | |
|---------------------------------|--|---------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| P R O F I L E | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | |
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
| | Side | 0-24 | GR/SL | FR/SEXP/NS | N/A | N/A | N/A | N/A | PS/0.4 |
| | slope/10% | 24-42 | Sbk/scl | Fi/Slexp/ss | | | | | |
| 1 | | | | | | | | | |
| | Side | 0-20 | GR/SL | FR/SEXP/NS | NI/A | N/A | N/A | N/A | PS/0.4 |
| | slope/10% | | | | 1N/A | IN/A | IN/A | IN/ PA | 1 5/0.4 |
| 2 | | 20-42 | SOK/SCI | Fi/Slexp/ss | | | | | |
| 2 | | | | | | | | | |
| | | | | | | | | | |
| | Side | 0-18 | GR/SL | FR/SEXP/NS | N/A | N/A | N/A | N/A | PS/0.4 |
| | lope/10% | 18-40 | Sbk/scl | Fi/Slexp/ss | | | | | |
| 3 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | | | | | - | | | | |
| 4 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM | OTHER FACTORS (.1946): |
|-------------------------|------------------------|------------------------|---|
| Available Space (.1945) | >5,000 ft ² | >5,000 ft ² | SITE CLASSIFICATION (.1948): PS |
| System Type(s) | Type III (b) | Type III (b) | EVALUATED BY:A. Adams OTHER(S) PRESENT: |
| Site LTAR | 0.4 | 04 | |

COMMENTS:

Updated February 2014

