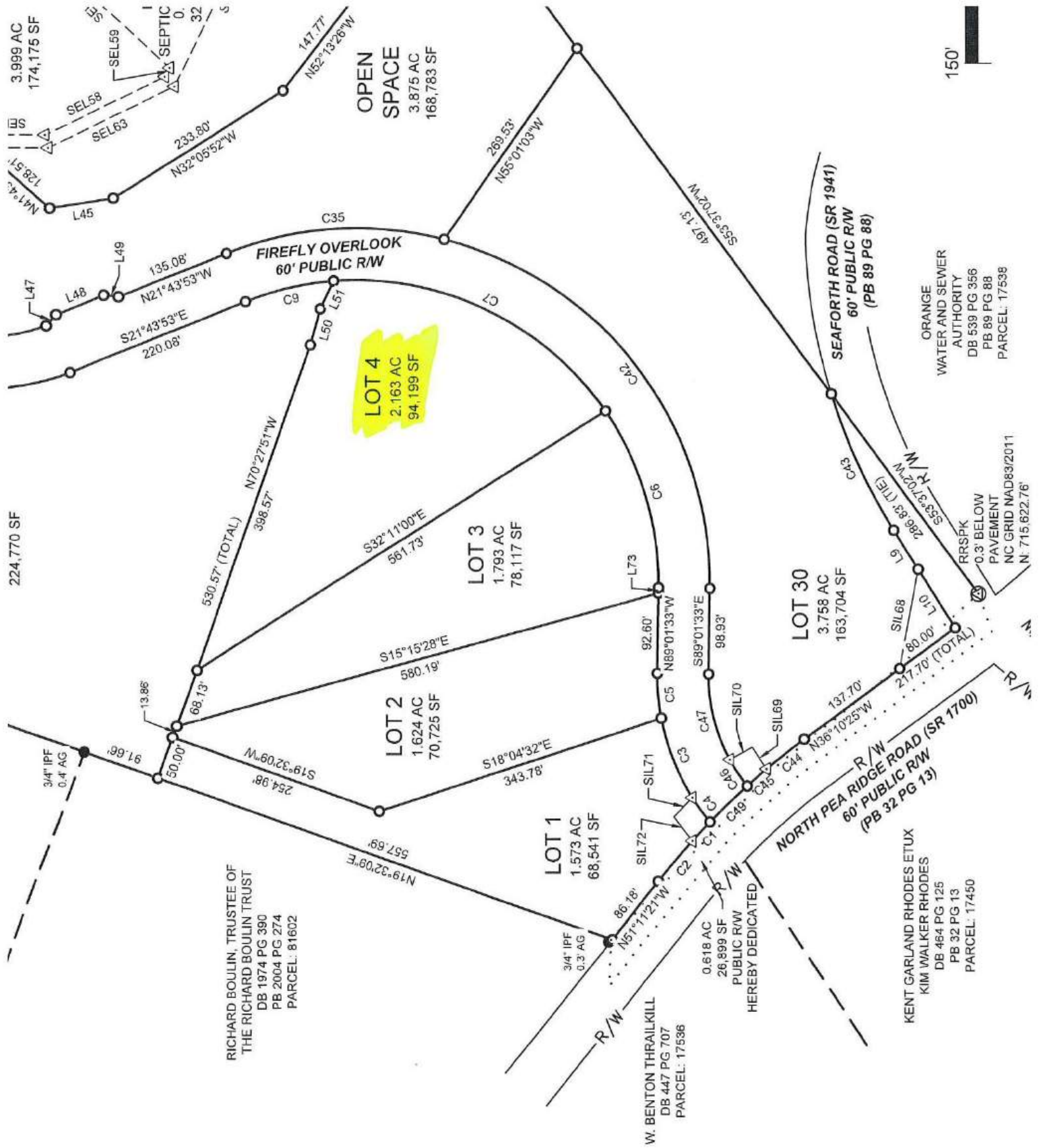




| Line Table |             |        |
|------------|-------------|--------|
| Line #     | Direction   | Length |
| L1         | N03°45'34"W | 65.81' |
| L2         | N47°20'49"E | 41.46' |
| L3         | N56°34'45"E | 8.48'  |
| L4         | S78°45'34"E | 48.28' |
| L5         | N70°17'44"E | 10.70' |
| L6         | S70°19'53"E | 4.22'  |
| L7         | N83°57'01"E | 40.30' |
| L8         | N71°35'58"E | 40.72' |
| L9         | S57°47'40"W | 52.97' |
| L10        | S57°47'40"W | 80.00' |
| L11        | S25°41'57"W | 45.00' |
| L12        | S09°41'44"W | 3.01'  |
| L13        | N11°25'19"E | 15.48' |
| L14        | N11°25'19"E | 59.17' |
| L15        | S03°16'23"E | 52.77' |
| L16        | S78°34'41"E | 92.04' |
| L17        | S68°17'11"E | 91.13' |
| L18        | S55°09'34"E | 23.68' |
| L19        | S68°17'11"E | 90.37' |
| L20        | S48°45'53"E | 15.25' |
| L21        | N81°35'42"W | 72.75' |
| L22        | S83°34'46"W | 79.26' |
| L23        | S83°34'46"W | 35.88' |
| L24        | N87°50'22"W | 60.28' |
| L25        | S72°00'12"W | 4.30'  |
| L26        | S72°00'12"W | 43.50' |

| Line Table |             |        |
|------------|-------------|--------|
| Line #     | Direction   | Length |
| L27        | S79°23'05"W | 81.67' |
| L28        | S67°45'34"W | 36.02' |
| L29        | N65°28'44"W | 14.35' |
| L30        | N65°28'44"W | 47.69' |
| L31        | N89°33'09"W | 82.15' |
| L32        | N76°38'28"W | 31.01' |
| L33        | S85°43'37"W | 25.34' |
| L34        | N85°43'37"E | 20.41' |
| L35        | S82°41'48"W | 79.58' |
| L36        | S82°41'48"W | 92.88' |
| L37        | N82°41'48"E | 76.08' |
| L38        | N07°18'12"W | 50.85' |
| L39        | N03°16'23"W | 50.46' |
| L40        | N09°41'44"E | 63.01' |
| L41        | N25°41'57"E | 67.94' |
| L42        | N25°41'57"E | 51.39' |
| L43        | N66°44'21"W | 45.71' |
| L44        | N00°30'08"E | 66.55' |
| L45        | N08°33'03"W | 74.57' |
| L46        | S89°00'12"W | 77.25' |
| L47        | N49°48'14"W | 16.87' |
| L48        | N21°44'09"W | 59.98' |
| L49        | N66°20'28"E | 17.01' |
| L50        | S74°41'65"E | 43.47' |
| L51        | S64°03'05"E | 35.91' |
| L73        | N89°01'33"W | 6.33'  |

| Septic Easement Line Table |             |         |
|----------------------------|-------------|---------|
| Line #                     | Direction   | Length  |
| SEL52                      | N85°48'34"E | 118.26' |
| SEL53                      | S31°12'24"E | 42.70'  |
| SEL54                      | S22°29'24"E | 59.68'  |
| SEL55                      | S11°42'22"W | 34.88'  |
| SEL56                      | N85°57'55"E | 628.25' |
| SEL57                      | S00°30'08"W | 80.76'  |
| SEL58                      | S25°43'49"E | 154.12' |
| SEL59                      | S61°42'50"E | 11.59'  |
| SEL60                      | N42°31'59"E | 183.30' |
| SEL61                      | S88°41'08"E | 51.46'  |
| SEL62                      | N84°00'54"W | 213.12' |
| SEL63                      | N25°43'48"W | 162.48' |
| SEL64                      | N00°30'09"E | 150.83' |
| SEL65                      | N66°44'20"W | 33.95'  |
| SEL66                      | N80°18'16"W | 155.37' |
| SEL67                      | N25°41'57"E | 15.80'  |

| Sign Easement Line Table |             |         |
|--------------------------|-------------|---------|
| Line #                   | Direction   | Length  |
| SIL68                    | N79°11'22"W | 116.98' |
| SIL69                    | N58°27'39"E | 30.17'  |
| SIL70                    | N28°28'54"W | 30.00'  |
| SIL71                    | S45°26'27"E | 31.04'  |
| SIL72                    | N52°02'35"E | 35.13'  |

| SYMBOL LEGEND |                       |
|---------------|-----------------------|
| ●             | PROPERTY CORNER FOUND |
| ○             | PROPERTY CORNER SET   |
| △             | COMPUTED POINT        |
| ⊙             | DATUM CONTROL POINT   |

| LINE LEGEND |                      |
|-------------|----------------------|
| _____       | PROPERTY LINE (PL)   |
| _____       | PL NOT SURVEYED      |
| .....       | PL HEREBY REMOVED    |
| _____       | RIGHT-OF-WAY LINE    |
| -----       | SEPTIC EASEMENT LINE |
| - - - - -   | SIGN EASEMENT LINE   |

| Curve Table |         |         |         |               |            |            |
|-------------|---------|---------|---------|---------------|------------|------------|
| Curve #     | Radius  | Length  | Tangent | Chord Bearing | Ch. Length | Delta      |
| C1          | 905.00' | 30.00'  | 16.00'  | N46°21'41"W   | 30.00'     | 001°53'58" |
| C2          | 905.00' | 61.26'  | 30.64'  | N49°15'00"W   | 61.24'     | 003°52'41" |
| C3          | 260.00' | 99.03'  | 50.12'  | S88°35'49"W   | 98.43'     | 021°49'24" |
| C4          | 301.64' | 34.82'  | 17.43'  | S53°50'51"W   | 34.80'     | 006°36'53" |
| C5          | 260.00' | 52.03'  | 26.10'  | S85°14'29"W   | 51.94'     | 011°37'56" |
| C6          | 350.00' | 216.94' | 112.08' | S73°13'02"W   | 213.49'    | 035°30'51" |
| C7          | 350.00' | 365.15' | 201.18' | S25°34'19"W   | 348.82'    | 059°46'35" |
| C8          | 260.00' | 215.23' | 114.21' | S1°59'02"W    | 209.14'    | 047°25'50" |
| C9          | 365.61' | 108.35' | 53.55'  | S13°01'26"E   | 105.97'    | 016°39'58" |
| C10         | 200.00' | 55.86'  | 28.11'  | S17°41'50"W   | 55.68'     | 016°00'12" |
| C11         | 25.00'  | 17.50'  | 9.12'   | N81°22'18"E   | 17.14'     | 040°06'03" |
| C12         | 630.00' | 108.62' | 54.44'  | S83°31'02"E   | 108.48'    | 009°52'42" |
| C13         | 26.00'  | 37.17'  | 22.98'  | S45°51'53"E   | 33.84'     | 085°11'00" |
| C14         | 200.00' | 45.27'  | 22.73'  | S3°12'41"W    | 45.17'     | 012°56'07" |
| C15         | 55.00'  | 129.79' | 133.48' | S78°56'52"E   | 101.70'    | 135°12'41" |
| C16         | 25.00'  | 12.16'  | 6.20'   | N47°23'02"E   | 12.04'     | 027°52'28" |
| C17         | 55.00'  | 31.73'  | 16.32'  | S5°11'09"W    | 31.29'     | 033°03'21" |
| C18         | 55.00'  | 31.73'  | 16.32'  | S38°14'29"W   | 31.29'     | 033°03'21" |
| C19         | 55.00'  | 42.84'  | 22.57'  | S77°05'06"W   | 41.77'     | 044°37'53" |
| C20         | 570.00' | 20.52'  | 10.26'  | N79°36'33"W   | 20.52'     | 002°03'45" |
| C21         | 570.00' | 125.67' | 63.09'  | N86°57'24"W   | 125.42'    | 012°37'57" |
| C22         | 200.00' | 14.07'  | 7.04'   | S84°42'42"W   | 14.07'     | 004°01'49" |
| C23         | 55.00'  | 43.86'  | 23.17'  | S58°58'24"W   | 42.70'     | 045°41'17" |
| C24         | 25.00'  | 20.32'  | 10.76'  | S59°24'46"W   | 19.76'     | 048°34'03" |
| C25         | 55.00'  | 54.82'  | 29.93'  | N69°37'51"W   | 52.57'     | 057°06'13" |
| C26         | 55.00'  | 32.57'  | 16.78'  | N24°06'44"W   | 32.10'     | 033°56'01" |
| C27         | 55.00'  | 31.12'  | 16.98'  | N9°03'56"E    | 30.71'     | 032°25'18" |
| C28         | 25.00'  | 20.32'  | 10.76'  | S74°01'11"E   | 19.76'     | 048°34'03" |
| C29         | 55.18'  | 99.66'  | 70.01'  | N77°16'13"E   | 86.67'     | 103°30'42" |
| C30         | 260.00' | 58.85'  | 29.55'  | N3°12'41"E    | 58.72'     | 012°56'07" |
| C31         | 25.00'  | 39.27'  | 25.00'  | N41°43'37"E   | 35.36'     | 060°00'00" |
| C32         | 260.00' | 18.29'  | 9.15'   | N84°42'42"E   | 18.29'     | 004°01'49" |
| C33         | 260.00' | 72.62'  | 36.55'  | N17°41'50"E   | 72.39'     | 016°00'12" |
| C35         | 410.00' | 259.13' | 134.08' | N3°37'32"W    | 254.84'    | 036°12'43" |
| C40         | 200.00' | 160.68' | 84.96'  | N2°41'03"E    | 156.39'    | 046°01'48" |
| C42         | 410.00' | 547.38' | 323.18' | N52°43'36"E   | 507.62'    | 076°29'38" |
| C43         | 657.92' | 174.02' | 87.52'  | S65°22'20"W   | 173.52'    | 015°09'18" |
| C44         | 905.00' | 55.74'  | 27.88'  | N37°56'17"W   | 55.73'     | 003°31'44" |
| C45         | 905.00' | 30.02'  | 15.01'  | N40°39'10"W   | 30.02'     | 001°54'01" |
| C46         | 200.00' | 36.60'  | 18.35'  | N56°18'33"E   | 36.55'     | 010°29'05" |
| C47         | 200.00' | 102.70' | 52.51'  | N76°15'46"E   | 101.58'    | 029°25'22" |
| C49         | 905.00' | 60.16'  | 30.09'  | N43°30'26"W   | 60.15'     | 003°48'31" |

## GENERAL NOTES

- THE PURPOSE OF THIS PLAT IS TO PERFORM A SUBDIVISION OF LAND AND CREATE 30 NEW RESIDENTIAL LOTS ON THE PROPERTIES OF PEA RIDGE DEVELOPERS, LLC LOCATED IN NEW HOPE TOWNSHIP.



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

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

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

County: Chatham

PIN/Lot Identifier: \_\_\_\_\_

Issued To: Pea Ridge Developers, LLC Attn: Andrew Ross

Property Location: Firefly Lot 4, Pittsboro, NC 27312

Subdivision (if applicable) Firefly Lot #: 4 Block: \_\_\_\_\_ Section: \_\_\_\_\_

LSS Report Provided: Yes ☒ No ☐

If yes, name and license number of LSS: G. Christopher Murray #1284

New ☒

Expansion ☐

System Relocation ☐

Change of Use ☐

Facility Type: single family dwelling

Number of bedrooms: \_\_\_\_\_ Number of Occupants: \_\_\_\_\_ Other: \_\_\_\_\_

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

Proposed Design Daily Flow: 600 GPD Proposed LTAR (Initial): 0.1 Proposed LTAR (Repair): 0.1

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

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

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

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

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

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

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

Usable Depth to LC (Initial)\*: 15 Usable Depth to LC (Repair)\*: 15 \* Limiting Condition

Max. Trench Depth (Initial)\*: 6 Max. Trench Depth (Repair)\*: 6 \* Measured on the downhill side of the trench

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

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

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

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

Permit conditions:

See attached conditions.

Licensed Soil Scientist Print Name: G. Christopher Murray

Licensed Soil Scientist Signature: \_\_\_\_\_ Date: 2/1/24

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

**\*See attached site sketch\***

#17531 lot 4

**This Section for Local Health Department Use Only**Initial submittal received: 4-24-2024 by NW  
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: \_\_\_\_\_

☒ CompleteState Authorized Agent: [Signature] Date: 5-7-2024

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

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 5-7-2029**\*See attached site sketch\***



## Re-submittal of Improvement Permit

LHD USE ONLY: This IP resubmittal received: \_\_\_\_\_ by \_\_\_\_\_  
Date Initials

The following items are being resubmitted pursuant to G.S. 130A-335(a3) for issuance of the Improvement Permit:

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I, \_\_\_\_\_ hereby attest that the information required to be included with this re-submittal  
*Licensed Soil Scientist (Print Name)*  
is accurate and complete to the best of my knowledge and that the proposed Improvement Permit meets all applicable federal,  
State, and local laws, regulations, rules, and ordinances.

\_\_\_\_\_  
*Signature of Licensed Soil Scientist*

\_\_\_\_\_  
*Date*

*The section below is for Local Health Department use after submittal of items noted as missing above.*

### LHD Follow-up Completeness Review of Improvement Permit

The review for completeness of this Improvement Permit re-submittal 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:

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Copies of this were sent to the LSS and the Applicant on \_\_\_\_\_  
Date

State Authorized Agent: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Complete

State Authorized Agent: \_\_\_\_\_ Date: \_\_\_\_\_



Permit/File #: \_\_\_\_\_

**CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)**County: ChathamPre-Construction Conference Required: Yes ☒ No ☐

PIN/Lot Identifier: \_\_\_\_\_

Issued To: Pea Ridge Developers, LLC Attn: Andrew RossProperty Location: Firefly Lot 4, Pittsboro, NC 27312AOWE/PE Plans/Evaluations Provided: Yes ☒ No ☐ If yes, name and license number of AOWE/PE: G. Christopher Murray #10045EFacility Type: single family dwelling

Number of bedrooms: \_\_\_\_\_ Number of Occupants: \_\_\_\_\_ Other: \_\_\_\_\_

☒ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of UseBasement? ☐ Yes ☐ No Basement Fixtures? ☐ Yes ☐ NoCrawl Space? ☐ Yes ☐ No Slab Foundation? ☐ Yes ☐ No

Type of Wastewater System\* \_\_\_\_\_ (Initial) \_\_\_\_\_ (Repair)

*\*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*Design Daily Flow: \_\_\_\_\_ GPD Wastewater Strength: ☒ Domestic ☐ High Strength ☐ Industrial Process WWSession Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☐ No  
(if yes, please provide engineering documentation)Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCWType of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☐ Municipal Supply ☐ Spring ☐ Other: \_\_\_\_\_**Installation Requirements/Conditions**

Septic Tank Size: \_\_\_\_\_ gallons Total Trench/Bed Length: \_\_\_\_\_ feet Trench/Bed Spacing: \_\_\_\_\_ feet on center

Trench/Bed Width: \_\_\_\_\_ inches LTAR: \_\_\_\_\_ gpd/ft<sup>2</sup> Usable Depth to LC (Initial)\*: \_\_\_\_\_ *\*Limiting condition*Soil Cover: \_\_\_\_\_ inches Slope Corrected Maximum Trench/Bed Depth†: \_\_\_\_\_ inches *† Measured on the downhill side of the trench*Pump Tank Size (if applicable): \_\_\_\_\_ gallons Requires more than 1 pump? ☐ Yes ☐ No

Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ GPM Grease Trap Size (if applicable): \_\_\_\_\_ gallons

Distribution Method: ☐ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: \_\_\_\_\_Artificial Drainage Required: Yes ☐ No ☐ If yes, please specify details: \_\_\_\_\_**Legal Agreements** (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)Multi-party Agreement Required [.0204(g)]: ☐ Yes ☒ No Declaration of Restrictive Covenants: ☐ Yes ☒ NoEasement, Right-of-Way, or Encroachment Agreement Required [.0301(b)]: ☐ Yes ☒ NoManagement Entity Required: ☐ Yes ☒ No Minimum O&M Requirements: \_\_\_\_\_

Permit conditions:

See attached conditions.

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. *This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.* The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

AOWE/PE Print Name: G. Christopher Murray

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\***

## This Section for Local Health Department Use Only

Initial 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\***



## Re-submittal of Construction Authorization

LHD USE ONLY: This CA resubmittal received: \_\_\_\_\_ by \_\_\_\_\_  
Date Initials

The following items are being resubmitted pursuant to G.S. 130A-335(a5) for issuance of the Construction Authorization:

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I, \_\_\_\_\_ hereby attest that the information required to be included with this re-submittal  
*Authorized Onsite Wastewater Evaluator (Print Name)*  
is accurate and complete to the best of my knowledge and that the proposed Construction Authorization meets all applicable  
federal, State, and local laws, regulations, rules, and ordinances.

\_\_\_\_\_  
*Signature of Authorized On-Site Wastewater Evaluator*

\_\_\_\_\_  
*Date*

*The section below is for Local Health Department use after submittal of items noted as missing above.*

### LHD Follow-up Completeness Review of Construction Authorization

The review for completeness of this Construction Authorization re-submittal was conducted in accordance with G.S. 130A-335(a5).  
This Construction Authorization is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

---

---

Copies of this were sent to the AOWE/PE and the Applicant on \_\_\_\_\_  
Date

State Authorized Agent: \_\_\_\_\_

Date: \_\_\_\_\_

☐ Complete

State Authorized Agent: \_\_\_\_\_

Date: \_\_\_\_\_



Permit/File #: \_\_\_\_\_

**ADDENDUM TO G.S. 130A-335(a2) SUBMITTAL**

County: \_\_\_\_\_

PIN/Lot Identifier: \_\_\_\_\_

Issued To: \_\_\_\_\_

**Additional Improvement Permit Conditions:**

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

**Additional Construction Authorization Conditions:**

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page.

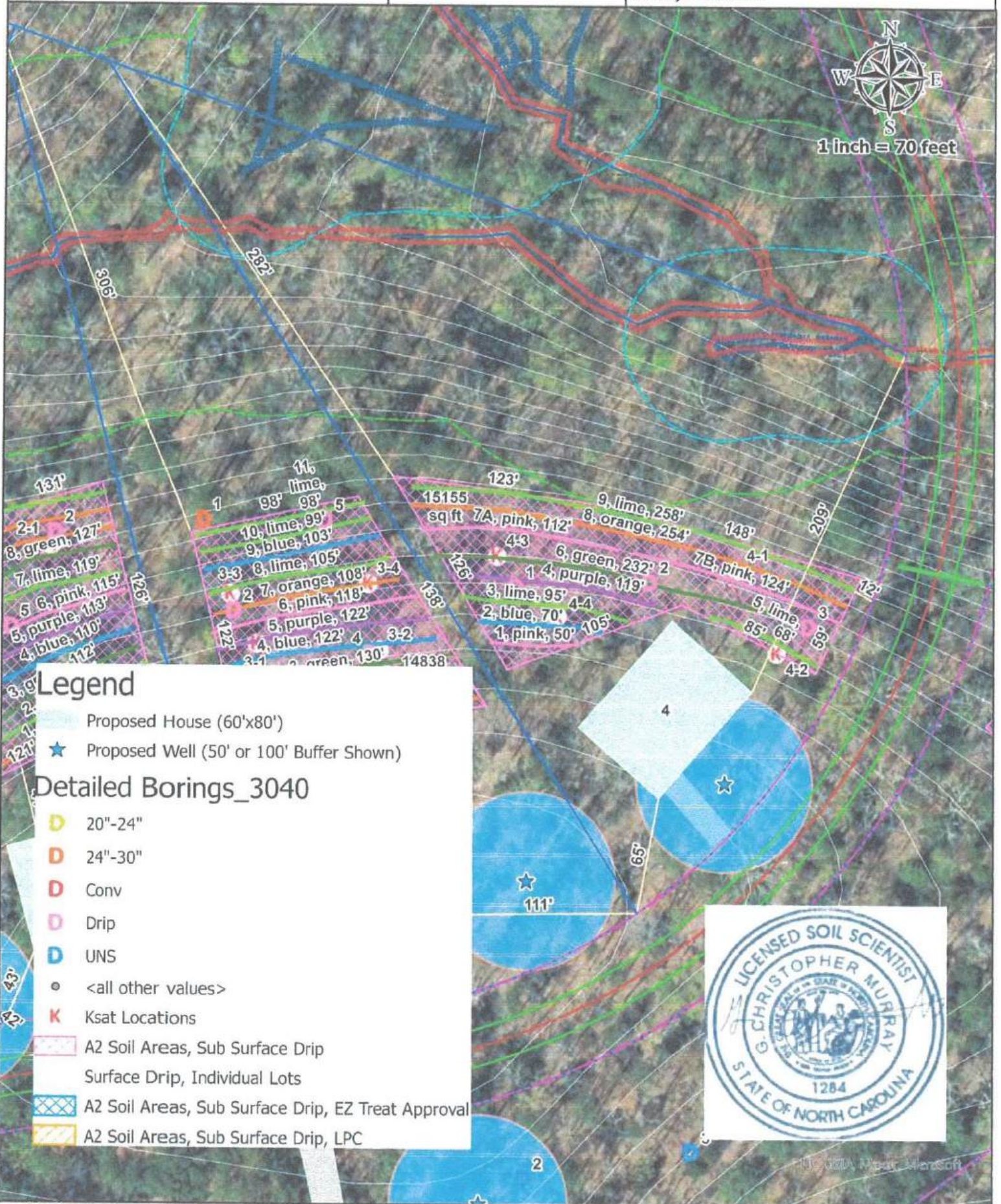


**PIEDMONT**  
**ENVIRONMENTAL**  
ASSOCIATES, P.A.

# Firefly Overlook, Lot 4- A2 IP Site Map

216 S. Swing Rd. Suite 1  
Greensboro, NC 27409  
piedmontsoil.com

Job# 3040  
Date: February, 2024  
Client: Pea Ridge Dev.  
County: Chatham



Client: Pea Ridge Dev.  
 Lot Number: 4  
 Parcel#: 0017531  
 DATE: 11/4/23  
 LSS: Chris Murray  
 Eval Method: Auger  
 Facility/Flow: 600

Site Classification: PS  
 Initial System: Drip  
 Initial System LTAR: 0.15  
 Repair System: Drip  
 Repair System LTAR: 0.15  
 Others Present:  
 Water Supply: Well



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**ENVIRONMENTAL**  
 ASSOCIATES, P.A.

| Number | UsableDep | LTAR | Boring Type | Horizon1               | Horizon2                        | Horizon3              | Horizon4 | Landscape | Slope |
|--------|-----------|------|-------------|------------------------|---------------------------------|-----------------------|----------|-----------|-------|
| 1      | 22        | 0.15 | Drip        | A 0-6 sl 2mgr fr ns np | Bt 6-25 c 2msbk fl s p, Ch2@23" | C 26-31 mass sil      | -        | Ss        | 7     |
| 2      | 15        | 0.15 | Drip        | A 0-3 sl 2mgr fr ns np | Bt 3-15 c 2msbk fl s p          | C 26-31 mass sil, ch3 | -        | Ss        | 7     |
| 3      | 20        | 0.15 | Drip        | A 0-3 sl 2mgr fr ns np | Bt 3-20 c 2msbk fl s p          | C 20-27 mass sil, ch2 | -        | Ss        | 7     |

Notes: Soil Wetness - Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - Record Munsell color chip designation.  
 Classification - S - Suitable, PS - Provisionally Suitable, U - Unsuitable  
 LTAR - Long Term Acceptance Rate  
 Landscape Position: SU - summit, SH - shoulder, BS - backslope, FS - footslope, TS - toeslope, SS - sideslope, HS - headslope  
 Mineralogy: SE - slightly expansive, EXP - expansive

# Septic System Layout Specifications

## Firefly Overlook, Lot 4

Piedmont Environmental Associates Job # 3040

Layout for a 5BR home

| LINE # | FLAG<br>COLOR | FLAGGED<br>LINE LENGTH (ft) | DESIGN<br>LINE LENGTH (ft) |
|--------|---------------|-----------------------------|----------------------------|
| 1      | pink          | 50                          | 50                         |
| 2      | blue          | 70                          | 70                         |
| 3      | lime          | 95                          | 95                         |
| 4      | purple        | 119                         | 119                        |
| 6      | green         | 232                         | 232                        |
| 7A     | pink          | 112                         | 112                        |
| 7B     | pink          | 124                         | 124                        |
| 8      | orange        | 254                         | 254                        |
| 9      | lime          | 258                         | 258                        |
| Total  |               | 1314                        | 1314                       |

| System | DESIGN<br>LINE<br>LENGTH (ft) | SOIL<br>LTAR<br>GPD/FT <sup>2</sup> | SYSTEM<br>TYPE | DESIGN<br>LTAR<br>GPD/FT <sup>2</sup> | DISTRIBUTION<br>MEDIA | DISTRIBUTION<br>METHOD | DESIGN FLOW (GPD) |
|--------|-------------------------------|-------------------------------------|----------------|---------------------------------------|-----------------------|------------------------|-------------------|
| System | 636                           | 0.10                                | Accepted       | 0.10                                  | Drip                  | Subsurface Drip        | 600               |
| Repair | 678                           | 0.10                                | Accepted       | 0.10                                  | Drip                  | Subsurface Drip        | 600               |

\*Lines laid 10' on Center, with ghost lines assumed every 2'

- Notes:**
- \*\*All measures in feet.
  - \*\*Nitrification lines are demonstrated on contour via colored pin flags.
  - \*\*BS, FS indicate rod readings.



**PIEDMONT**  
**ENVIRONMENTAL**  
ASSOCIATES, P.A.

January 30, 2024

Project #3040

Pea Ridge Developers, LLC  
Attn: Andrew Ross  
P.O. Box 5548  
Cary, NC 27512

RE: Detailed TSII Drip Soil Evaluation for G.S. 130A-335(a2)/SL2022-11, Firefly Lot 4,  
Chatham County, NC

This report details the findings of a detailed site soil evaluation performed on the parcel referenced above for the G.S. 130A-335(a2)/SL2022-11 (A2) permit tract. The evaluation was conducted at your request to determine the site's suitability for the installation of sub-surface wastewater disposal systems to serve a single family residence. This report along with the profile descriptions and system parameters will become part of the A2 application packet that will be submitted to Chatham County Environmental Health for this system.

The evaluation was conducted by G. Christopher Murray, North Carolina Licensed Soil Scientist and his associates in Fall of 2023. The evaluation was conducted during moist soil conditions with the use of hand auger borings to determine soil suitability for on-site sewage disposal systems in accordance with 15A NCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". Characteristics that affect the suitability of sub-surface systems include soil depth to expansive clay, seasonal high-water table, rock, and unusable saprolite. Topography and slope also affect the suitability of an area for septic systems. The evaluation of these components was conducted on the site.

Findings are conveyed by showing areas on the enclosed map that are usable for different system types. Areas of soil suitable for TSII subsurface drip septic disposal were identified and were evaluated with saturated hydraulic conductivity (Ksat) testing per 15A NCAC 18E .1200 and 15A NCAC 18E .0510.

The design engineer will be responsible for providing final system design and specifications. The initial and repair system areas were generated by using GPS technology in the field.

Per regulations set forth in 15A NCAC 18E .1200 and 15A NCAC 18E .0510., saturated hydraulic conductivity (Ksat) is required for the type of wastewater system identified above. Results of our Ksat work are given below.

Saturated hydraulic conductivity measurements were conducted at 6" and 12" depths at 4 nest sites within the drip primary and repair fields utilizing the constant head well permeameter technique (also known as shallow well pump-in technique and bore hole permeameter method). These Ksat test sites are shown on Attachment 1. This procedure is described in Methods of Soil Analysis, Part 1., Chapter 29 – Hydraulic Conductivity of Saturated Soils: Field Methods, 29 – 3.2 Shallow Well Pump In Method, pp. 758-763 and in the Soil Science Society of America Journal, Vol. 53, no. 5, Sept. – Oct. 1989, "A Constant-head Permeameter for Measuring Saturated Hydraulic Conductivity of the Vadose Zone" and "Comparison of the Glover Solution with the Simultaneous – Equations Approach for Measuring Hydraulic Conductivity." A volume of water was applied and measured with time until a steady state of water flow was achieved. This volume/time with steady state was used to calculate the saturated hydraulic conductivity of the receiving horizons by the Glover equation. The Ksat values for each site at 6" and 12" depths are given in Tables 1 below:

| Ksat Data, Firefly Lot 4 |          |           |       |            |
|--------------------------|----------|-----------|-------|------------|
|                          | Horizon  | Depth(in) | Ksat  | Ksat (25%) |
| NEST 1                   | A (6")   | 6         | 15.02 | 3.76       |
|                          | AB (12") | 12        | 1.68  | 0.42       |
| NEST 2                   | A (6")   | 6         | 22.11 | 5.53       |
|                          | AB (12") | 12        | 2.66  | 0.66       |
| NEST 3                   | A (6")   | 6         | 78.44 | 19.61      |
|                          | AB (12") | 12        | 6.17  | 1.54       |
| Nest 4                   | A (6")   | 6         | 4.05  | 1.01       |
|                          | AB (12") | 12        | 1.21  | 0.30       |

**Geometric Mean Ksat Data, Firefly Lot 4**

| Horizon  | Ksat   | Ksat (25%) |
|----------|--------|------------|
| A (6")   | 18.026 | 4.51       |
| AB (12") | 2.406  | 0.60       |

**\*0.1 GPD/Ft2  
Justified**

Design flows for residential wastewater systems assume 120 gallons per day unless an engineered flow reduction is utilized. The proposed flow for this residence is 600 gallons per day. The maximum daily design flow should not be maintained for any sustained length of time or oversaturation can occur in the disposal area. An average daily water usage of 50% is recommended for peak performance. No garbage disposals should be added to the wastewater stream. Water softener waste should not be added to the wastewater stream. Fats, oils and greases or FOG should not be added to the wastewater

stream and can cause premature failure. There should be no traffic over the wastewater system area. The engineer will provide more guidance and requirements regarding maintenance.

This report discusses the general location of potentially usable soils for on-site wastewater disposal and the soil and site limitations on the property that exists at the time of the evaluation. Piedmont Environmental Associates, PA ("Piedmont") provides professional consulting specializing in the practice of soil science and wastewater management. Piedmont is therefore hired for its professional opinion regarding these matters. This report is being prepared as part of a packet to obtain an engineer option permit. Every detail of the design and installation being prepared by a registered professional engineer must be followed for the system to be expected to perform satisfactorily. Piedmont Environmental Associates provides no warranty either written or implied regarding the lifespan of any type of septic system. Piedmont Environmental Associates utilizes accepted soil science practices and assigns LTAR's and proposes trench depths based on field observation, law, rule, published data and accepted practice of the profession. Piedmont Environmental Associates however cannot guarantee the life span of any type of septic system component, trench media, pretreatment device, distribution device, distribution method, or installation method as there are simply too many variables that are not within the control of Piedmont Environmental Associates.

If you have any further questions, please feel free to call (336) 662-5487.



G. Christopher Murray  
NC Licensed Soil Scientist  
Piedmont Environmental Associates, PA



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

## Application for Services

This application, in conjunction with the common form established in G.S. 130A-335(a3) and (a5), is optional for local health departments to be used for applications submitted in accordance with G.S. 130A-335(a2), (a3), and (a5).

[hereinafter, G.S. 130A-335(a3) and (a5) permits referred to as (a2) Improvement Permit and (a2) Construction Authorization]

Applying for:

☒ (a2) Improvement Permit ☐ (a2) Construction Authorization ☐ (a2) Repair/Construction Authorization

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

☐ Accepted ☐ Conventional ☐ Innovative ☐ Other \_\_\_\_\_ ☒ Any

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

Requesting DHHS review? (systems >3000 GPD or IPWW) ☐ Yes ☐ No

Applicant: Pea Ridge Developers, LLC

Mailing Address: P.O. Box 5548

City: Cary

State: NC Zip: 27512

Phone #: 919-703-6203

Email: andrew.ross@floyddevelopment.com

Owner: Same as applicant

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone #: \_\_\_\_\_

Email: \_\_\_\_\_

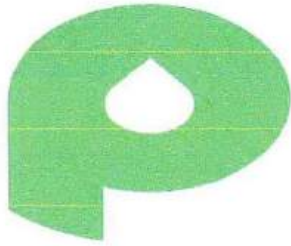
If the answer to any of the following questions is "yes", applicant must attach supporting documentation.

- ☐ Yes ☒ No Does the site contain any jurisdictional wetlands?  
☐ Yes ☒ No Is any wastewater going to be generated on the site other than domestic sewage?  
☐ Yes ☒ No Is the site subject to approval by any other public agency?  
☐ Yes ☒ No Are there any easements or right of ways on this property?

I understand that the documentation and fees, as required in G.S. 130A-335(a2), (a3), (a5), and (a6), attached to this application are to be used to issue an Improvement Permit and/or Construction Authorization pursuant to G.S. 130A-335(a2), (a3), and (a5). I understand that authorized county and state officials are granted right of entry to the property indicated on this application to conduct necessary inspections to determine compliance with applicable laws and rules. ***I understand that if the information in the application for an Improvements Permit and/or Construction Authorization is falsified, changed, or the site is altered, then the Improvement Permit and Construction Authorization shall become invalid.***

Applicant Signature: DocuSigned by: Andrew Ross Date: 4/24/2024

Owner's Signature: DocuSigned by: Andrew Ross Date: 4/24/2024



**PIEDMONT**  
**ENVIRONMENTAL**  
ASSOCIATES, P.A.

April 11, 2024

Project # 3040

Session Law 2023-90 (H628)

Client:

Pea Ridge Developers, LLC Attn: Andrew Ross

Site:

Firefly Lot 4

Chatham County, NC

PIN:

Prepared by:

G. Christopher Murray

NC Licensed Soil Scientist # 1284

NC Onsite Wastewater Evaluator #10045E

ATTENTION: The State of NC revises the Common Form annually.  
Please submit this packet to your local Environmental Health Department as soon as possible.

## Table of Contents:

### Documents

|                             |      |
|-----------------------------|------|
| Parameters and Conditions   | 1    |
| Disclaimer                  | 2    |
| Setbacks                    | 3    |
| IP-CA Fillable Form GS      | 4-11 |
| 130A-335 Soil Map/Site Plan | 12   |
| Soil Profile Descriptions   | 13   |
| System Specifications       | 14   |
| COI                         | 15   |

### **Permit Parameters and Conditions**

- Design flow with residential systems utilizes the number of bedrooms and assumes no more than two residents per bedroom at 60 gallons per resident or 120 gallons per bedroom. This is how the design flow of gallons per day is calculated. The wastewater system is designed to handle a maximum flow of gallons per day. This flow should not be maintained for any sustained length of time or oversaturation can occur in the trenches. An average daily water usage of 50% is recommended for peak performance.
- No garbage disposals should be added to the wastewater stream.
- Water softener waste should not be added to the wastewater stream.
- Fats, oils and greases or FOG should not be added to the wastewater stream and can cause premature failure. Dispose of fats, oils, greases and garbage properly in household waste.
- There should be no traffic over the wastewater system area.
- Piedmont Environmental recommends a preconstruction conference prior to any installation to ensure that the system is placed in the correct area once the site is cleared of vegetation.
- Please note that mechanical clearing that is done in wet conditions or done by someone not following best management practices can render an otherwise usable site unsuitable.
- Piedmont Environmental Associates, PA highly recommends using a reputable septic system installer that is licensed in North Carolina to perform or oversee any clearing.
- All installation work shall be performed by a licensed Wastewater System Installer
- Do not install during wet conditions
- Pump tank every three to five years
- Landscape promptly to obtain a good grass cover to prevent erosion over new part of system
- All setbacks listed in this packet
- All tanks are 1000 gallons
- Serial distribution on distal ends
- All dams shall have the last 3 inches of earth removed with a shovel

## Disclaimer

This report discusses the general location of potentially usable soils for on-site wastewater disposal and the soil and site limitations on the property that exists at the time of the evaluation. Piedmont Environmental Associates, PA ("Piedmont") provides professional consulting specializing in the practice of soil science and wastewater management. Piedmont is therefore hired for its professional opinion regarding these matters. This report is being prepared as part of a packet to obtain an improvement permit Session Law 2023-90 (H628) and GS 130A-335 and GS 130A-336.

Piedmont Environmental Associates provides no warranty either written or implied regarding the lifespan of any type of septic system. Piedmont Environmental Associates utilizes accepted soil science practices and assigns LTAR's and proposes trench depths based on field observation, law, rule, published data and accepted practice of the profession. Piedmont Environmental Associates however cannot guarantee the life span of any type of septic system component, trench media, pretreatment device, distribution device, distribution method, or installation method as there are simply too many variables that are not within the control of Piedmont Environmental Associates.

If you have any further questions, please feel free to call 336-662-5487. Thank you for the opportunity to serve.

Sincerely,



G. Christopher Murray  
NC Licensed Soil Scientist  
NC Licensed Onsite Wastewater Evaluator  
Piedmont Environmental Associates, PA

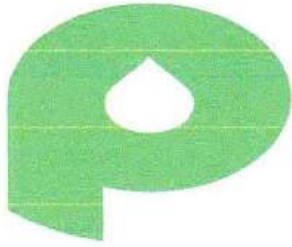
Attachment I

**TABLE IX: Minimum setbacks from all wastewater systems to site features** **Setback (Feet)**

|                                                                                                                                                                                                                                                    |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <u>Site Features</u>                                                                                                                                                                                                                               |            |
| <u>Any transient or non-transient non-community water supply well, community well, shared water supply well, well that complies with 15A NCAC 18A .1700, or water supply spring</u>                                                                | <u>100</u> |
| <u>A private drinking water well or upslope spring serving a single family dwelling unit</u>                                                                                                                                                       | <u>50</u>  |
| <u>Any other well or source not listed in this table, excluding monitoring wells</u>                                                                                                                                                               | <u>50</u>  |
| <u>Surface waters classified WS-I, from ordinary high-water mark</u>                                                                                                                                                                               | <u>100</u> |
| <u>Waters classified SA, from mean high-water mark</u>                                                                                                                                                                                             | <u>100</u> |
| <u>Any Class I or Class II reservoir, from normal water level</u>                                                                                                                                                                                  | <u>100</u> |
| <u>Lake or pond, from normal water level</u>                                                                                                                                                                                                       | <u>50</u>  |
| <u>Any other stream, non-water supply spring, or other surface waters, from the ordinary high-water mark</u>                                                                                                                                       | <u>50</u>  |
| <u>Tidal influenced waters, such as marshes and coastal waters, from mean high-water mark</u>                                                                                                                                                      | <u>50</u>  |
| <u>Permanent stormwater retention basin, from normal water level</u>                                                                                                                                                                               | <u>50</u>  |
| <u>Any water line, unless the requirements of Paragraph (i) have been met</u>                                                                                                                                                                      | <u>10</u>  |
| <u>Closed loop geothermal wells</u>                                                                                                                                                                                                                | <u>15</u>  |
| <u>Building foundation and deck supports</u>                                                                                                                                                                                                       | <u>5</u>   |
| <u>Patio, porch, stoop, lighting fixtures, or signage, including supporting structures such as posts or pilings</u>                                                                                                                                | <u>1</u>   |
| <u>Any basement, cellar, or in-ground swimming pool</u>                                                                                                                                                                                            | <u>15</u>  |
| <u>Buried storage tank or basin, except stormwater</u>                                                                                                                                                                                             | <u>10</u>  |
| <u>Above ground swimming pool and appurtenances that require a building permit</u>                                                                                                                                                                 | <u>5</u>   |
| <u>Top of slope of embankment or cuts of two feet or more vertical height with a slope greater than 50 percent</u>                                                                                                                                 | <u>15</u>  |
| <u>Top of slope of embankment or cuts of two feet or more vertical height with a slope greater than 33 percent and less than or equal to 50 percent.</u>                                                                                           | <u>15</u>  |
| <u>If the site has suitable soil depth that extends for a minimum horizontal distance of 15 feet from the edge of the dispersal field, no minimum setback is required.</u>                                                                         |            |
| <u>Top of slope of embankment or cuts of two feet or more vertical height with a slope less than 33 percent</u>                                                                                                                                    | <u>0</u>   |
| <u>Groundwater lowering system, as measured on the ground surface from the edge of the feature</u>                                                                                                                                                 | <u>25</u>  |
| <u>Downslope interceptor drains and surface water diversions with a vertical cut of more than two feet, as measured on the ground surface from the edge of the feature</u>                                                                         | <u>15</u>  |
| <u>Upslope and sideslope interceptor drains and surface water diversions with a vertical cut of more than two feet, as measured on the ground surface from the edge of the feature</u>                                                             | <u>10</u>  |
| <u>A stormwater collection system as defined in 15A NCAC 02H .1002(48), excluding gutter drains that connect to a stormwater collection system, with a vertical cut of more than two feet as measured from the center of the collection system</u> | <u>10</u>  |
| <u>Bio-retention area, injection well, infiltration system, or dry pond</u>                                                                                                                                                                        | <u>25</u>  |
| <u>Any other dispersal field, except designated dispersal field repair area for project site</u>                                                                                                                                                   | <u>20</u>  |
| <u>Any property line</u>                                                                                                                                                                                                                           | <u>10</u>  |
| <u>Burial plot or graveyard boundary</u>                                                                                                                                                                                                           | <u>10</u>  |
| <u>Above ground storage tank from dripline or foundation pad, whichever is more limiting</u>                                                                                                                                                       | <u>5</u>   |
| <u>Utility transmission and distribution line poles and towers, including guy wires, unless a greater setback is required by the utility company</u>                                                                                               | <u>5</u>   |
| <u>Utility transformer, ground-surface mounted</u>                                                                                                                                                                                                 | <u>5</u>   |
| <u>Underground utilities</u>                                                                                                                                                                                                                       | <u>5</u>   |

Note: Systems over 3000 GPD or an individual nitrification fields with a capacity of 1500 GPD or more have more restrictive setback requirements, see .1950 (a) (17) (d) for specifics.

ATTENTION: The State of NC revises the Common Form annually.  
Please submit this packet to your local Environmental Health Department as soon as possible.



**PIEDMONT**  
**ENVIRONMENTAL**  
ASSOCIATES, P.A.



## CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT

## DIVISION OF ENVIRONMENTAL HEALTH

80 EAST ST, P.O. BOX 130 • PITTSBORO, NC 27312

PHONE 919-542-8208 • FAX 919-542-2473

www.chathamcountync.gov/environmentalhealth

## OFFICE USE ONLY

Record#: EH-24-1062

Initials: CB

Date Rec'd: 5/2/24

Amount Rec'd: \$350

REHS: JT

Appt Date:

Time:

## IMPROVEMENT PERMIT/CONSTRUCTION AUTHORIZATION/WELL PERMIT APPLICATION

☒ Improvement Permit ☐ Construction Authorization ☐ Well Permit ☐ Septic Repair/Abandonment

Owner: Pea Ridge Developers, LLC / Andrew Ross

Mailing Address: P.O. Box 5548

City: Cary

State: NC Zip: 27512

Phone #: 919-703-6203

Email: andrew.ross@floyddevelopment.com

Applicant: Katie Everette

Mailing Address: 216 South Swing Road Suite 1

City: Greensboro

State: NC Zip: 27409

Phone #: 336-890-0806

Email: katie@piedmontsoil.com

Parcel Number:

Existing Property Acreage: Proposed Property Acreage:

Property Address: Firefly Lots 1-5, 7-19, 25-30

City: Pittsboro

State: NC Zip: 27312

Subdivision (if applicable) Firefly

Lot #: Various

Directions to property:

Wastewater System Request: ☒ New ☐ Expansion ☐ System Relocation ☐ Repair ☐ Abandonment

Facility Type (House, Restaurant, Office, etc.): single family dwelling

Number of bedrooms: various Number of Occupants: various Other: See attached A2 reports

Number of seats: Number of Employees: Other:

Basement? ☒ Yes ☐ No Basement Fixtures? ☐ Yes ☐ NoCrawl Space? ☒ Yes ☐ No Slab Foundation? ☐ Yes ☐ NoIs a grinder pump proposed before the septic tank? ☐ Yes ☒ NoType of Water Supply: ☒ Private well ☐ Public well ☐ Shared well ☐ Municipal Supply ☐ Spring ☐ Other:Are there any existing wells, springs, or existing waterlines on this property? ☐ Yes ☒ No

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

☐ Accepted ☐ Conventional ☐ Innovative ☐ Other ☐ Any Type

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

- |                                                                     |                                                                                 |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Does the site contain any jurisdictional wetlands?                              |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Is any wastewater going to be generated on the site other than domestic sewage? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Is the site subject to approval by any other public agency?                     |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Are there any easements or right of ways on this property?                      |

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. **I understand that if the information in the application is falsified, changed, or the site is altered, then the Improvement Permit and/or Construction Authorization shall be invalid. I understand that the permit is valid for either 60 months or without expiration depending upon documentation submitted. (complete site plan = 60 months; complete plat = without expiration)**

Katie Everette

04/25/24

Katie Everette

04/25/24

Owner or \*Legal Representative Signature

Date

Applicant Signature

Date

**\*Must provide documentation to support claim as owner's legal representative.**



## CHATHAM COUNTY

### AUTHORIZED AGENT FOR FORM

#### PROPERTY LEGAL DESCRIPTION:

LOT NO. \_\_\_\_\_ PARCEL ID (PIN) \_\_\_\_\_ PARCEL SIZE \_\_\_\_\_

STREET ADDRESS: Firefly Overlook Lots 1-19 & 25-30

Please print:

Property Owner: Pea Ridge Developers, LLC

Property Owner: \_\_\_\_\_

The undersigned owner(s) of the above described property, do hereby authorize

Katie Everette, of Piedmont Environmental Associates  
(Contractor / Agent) (Name of consulting firm if applicable)

to act on my/our behalf and take all actions, I/we could have taken if present, necessary for the processing, issuance and acceptance of reviews, inspections, or permits and any and all standard and special conditions attached to these approvals. The activities authorized include the following (**Check all that apply**):

☐ Check here for all of the below options.

- ☐ Building Permit
- ☐ Zoning Compliance Permits
- ☐ Floodplain Determination
- ☐ Soil Erosion & Sedimentation Control Permit
- ☒ Onsite wastewater system(s) installation, repair, evaluation, or expansion permits & permit revocation.
- ☐ Evaluation/inspection/permitting of a private drinking water well(s).
- ☐ Riparian Buffer Review pursuant to §304 of the Chatham Co. Watershed Protection Ordinance.
- ☐ Other: \_\_\_\_\_

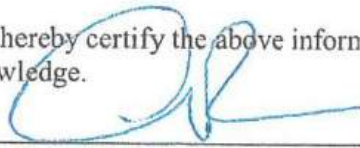
Property Owner's Address (if different than property above):

P.O. Box 5548 Cary, NC 27512

Telephone: 919-703-6203

E-mail: andrew.ross@floyddevelopment.com

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.

  
Owner Authorized Signature

Date: 4/24/24

Kaitlyn Everette /  
Piedmont Environmental Associates  
Agent Authorized Signature

Date: 04/25/2024



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                       |  |                                                                                                                                                                                                                                                                                 |  |
|-------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>PRODUCER</b><br>Younts Insurance Agency Inc<br>121 N Talbert Blvd<br>Lexington NC 27292            |  | <b>CONTACT NAME:</b> Valerie Leonard<br><b>PHONE (A/C, No, Ext):</b> 336-238-1053<br><b>E-MAIL ADDRESS:</b> valerie@yountsinsurance.com<br><b>FAX (A/C, No):</b> 336-238-1054                                                                                                   |  |
| <b>INSURED</b><br>Piedmont Environmental Associates, PA<br>216-1 S. Swing Road<br>Greensboro NC 27409 |  | <b>INSURER(S) AFFORDING COVERAGE</b><br><b>INSURER A:</b> Continental Casualty Company<br><b>INSURER B:</b> Penn National Mutual Casualty Insurance Company<br><b>INSURER C:</b> Ohio Casualty Insurance Company<br><b>INSURER D:</b><br><b>INSURER E:</b><br><b>INSURER F:</b> |  |
|                                                                                                       |  | <b>NAIC #</b><br>20443<br>14990<br>24074                                                                                                                                                                                                                                        |  |

**COVERAGES****CERTIFICATE NUMBER:** 1101377808**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                                                       | ADDL INSD                       | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                    |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|---------------|-------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B        | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br>OTHER:                   |                                 |          | BP9 0741038   | 6/1/2023                | 6/1/2024                | EACH OCCURRENCE \$2,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000<br>MED EXP (Any one person) \$10,000<br>PERSONAL & ADV INJURY \$2,000,000<br>GENERAL AGGREGATE \$4,000,000<br>PRODUCTS - COMP/OP AGG \$4,000,000<br>\$ |
| B        | <input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br>OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY<br><input checked="" type="checkbox"/> 19 |                                 |          | AU90741038    | 6/1/2023                | 6/1/2024                | COMBINED SINGLE LIMIT (Ea accident) \$1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>Medical Payments \$2,000                                                      |
| B        | <input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b><br>EXCESS LIAB<br>DED <input checked="" type="checkbox"/> RETENTION \$ 0                                                                                                                                                                                                       |                                 |          | UL9 0741038   | 6/1/2023                | 6/1/2024                | EACH OCCURRENCE \$1,000,000<br>AGGREGATE \$1,000,000<br>\$                                                                                                                                                                                |
| C        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                                           | Y/N<br><input type="checkbox"/> | N/A      | XWO55203240   | 6/1/2023                | 6/1/2024                | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT \$1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$1,000,000<br>E.L. DISEASE - POLICY LIMIT \$1,000,000                                    |
| A        | Professional Liability                                                                                                                                                                                                                                                                                                                  |                                 |          | EEH288330253  | 6/1/2023                | 6/1/2024                | Each Claim Aggregate Deductible 2,000,000<br>5,000                                                                                                                                                                                        |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

For Client Purposes Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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