

North Carolina Onsite Wastewater Contractor Inspector Certification Board Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems Notice of Intent (NOI) to Construct

| <u>x</u> New <u>Expansion</u> <u>Repair</u> <u>Relocation</u> <u>Relocation of Repair</u> Area |
|---|
| Owner or Legal Representative Information: James RumleyName: Caruso HomesMailing address: 110 Horizon Drive - Suite 320 City: Raleigh State: NC Zip: 27615Phone: 240-886-3229Email: jrumley@carusohomes.com |
| Authorized Onsite Wastewater Evaluator Information:Name: Alex AdamsCertification #: AOWE# 10021EMailing address: 1676 Mitchell RoadCity: AngierState: NCPhone: 919-414-6761Email: alexadams@bcsoil.com |
| Site Location Information: Site address: Lot #19 (Magnolia Acres) 11 Little Gem Ln - Fuquay-Varina NC 27501 Tax parcel identification number or subdivision lot, block number of property: PIN# 0623-92-7758 County: Harnett |
| System Information: Accepted Status Wastewater System Type: Type III (b) Daily Design Flow: 360 gallons/day Saprolite System:YesX_No Subsurface Operator Required:YesX_No Water Supply Type:Private WellX_Public Water Supply SpringOther: |
| Facility Type: X_Residential3_# Bedrooms6_ Maximum # of Occupants Business Type of Business and Basis for Flow: Public Assembly Type of Public Assembly and Basis for Flow: |
| Requird_Attachments: x_Plat_or_Siteplan x_ Evaluation of Soil and Site Features by Licensed Soil Scientist |
| Attest: On this the 10th day of April by signature below I hereby attest that the information required to be included with this NOI to Construct is accurate and complete to the best of my knowledge. Furthermore, I hereby attest that I have adhered to the laws and rules governing onsite wastewater systems in the state of North Carolina. This NOI shall expire on <u>10 day of April 2030</u> . |
| Signature of Authorized Onsite Wastewater Evaluator: <u>Xlex</u> Hormonic Signature of Owner or Legal Representative: <u>James Rumley</u> |
| Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee required (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater evaluator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator. Local Health Department Receipt Acknowledgement: |
| Signature of Local Health Department Representative: Date: |

Adams Soil Consulting, PLLC 1676 Mitchell Road Angier, NC 27501 919-414-6761 alexadams@bcsoil.com

April 10, 2025 Project #2110

"This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-336.2

RE: Magnolia Acres -Lot #19 – 11 Little Gem Ln. – Fuquay-Varina, NC - 3-bedroom Single Family Residence (PIN# 0623-92-7758)

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 15ANCAC 18E. From this evaluation, ASC is providing the attached septic system design for a new single-family home sized for a 360 gallon/day septic system.

The suitable soils found on the subject property were somewhat variable 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.

The initial and primary septic fields for the new home were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status system for the initial and a PPBPS repair 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 repair (if needed) system on contour, see attached site plan for the primary system and repair. 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 flags trench flags are missing at the time of installation, they must be remarked by Adams Soil Consulting staff. Contact Alex Adams at 919-414-6761. A preconstruction conference is required with the septic installer prior to construction activities at least 14 days in advance of construction activities.

This report does not guarantee the future function of any waste water disposal system installed.

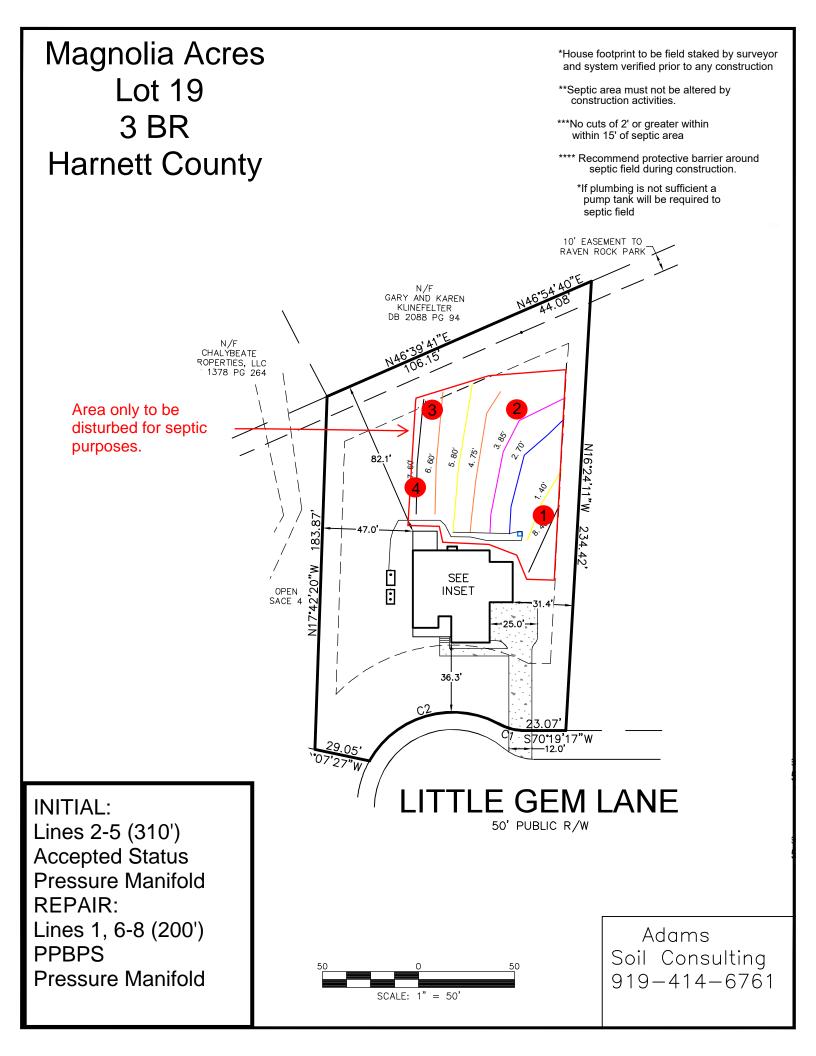
If you have any questions regarding the findings on the attached site plan or in this report, please feel free to contact me anytime.

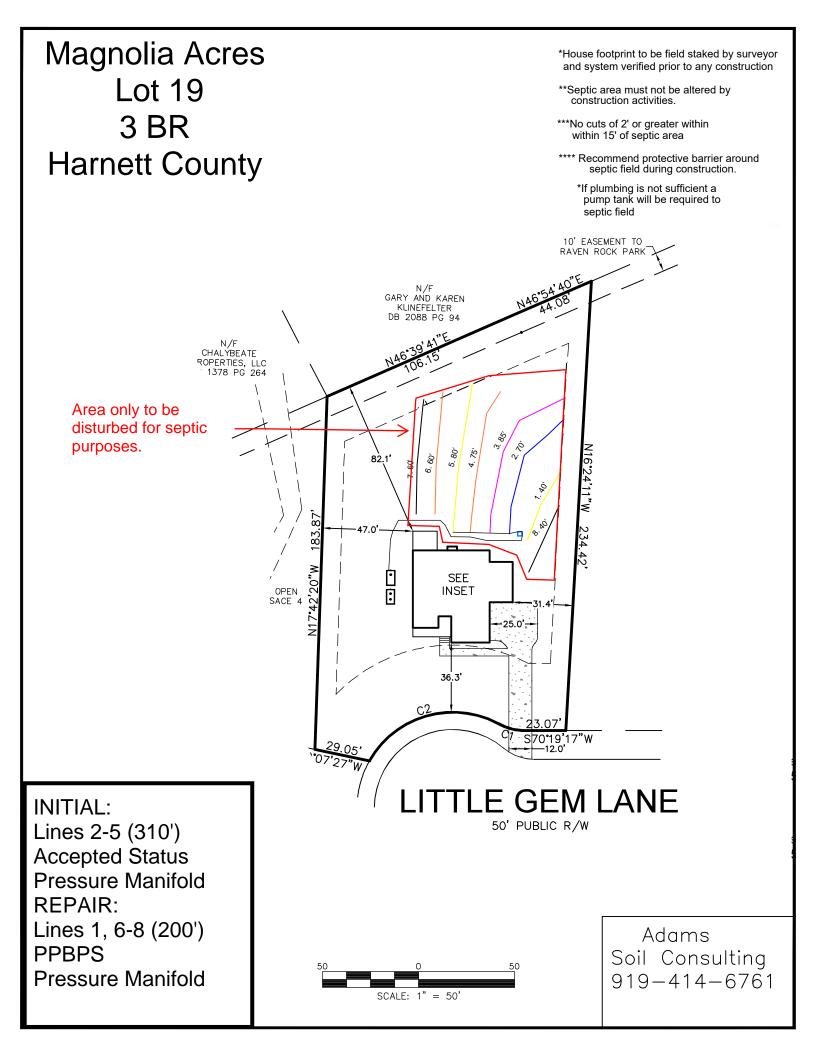
Sincerely,

Alex Adams NC Licensed Soil Scientist #1247 AOWE Certification: 10021E





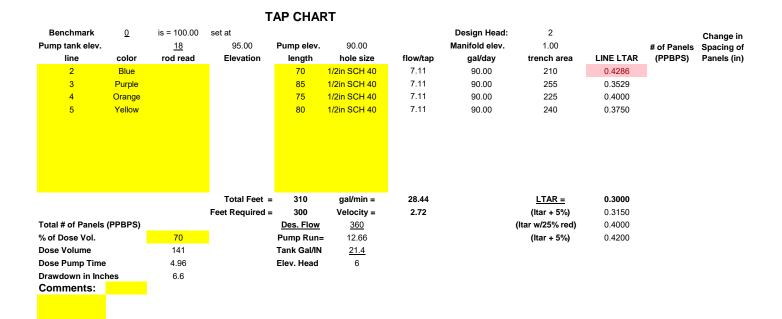




Lot 19 Magnolia Acres PRESSURE MANIFOLD DESIGN -Initial

| Caruso Hor | nes | | | | | | | | |
|--------------------------|-------------------|-------------|-------------|-----------------|----------------|----------------|----------------|----------|--|
| # of BDR: <u>3</u> | Daily Flow: | <u>360</u> | gal/day | L.T.A.R.: | <u>0.3000</u> | gal/day/sq.ft | t | | |
| _ | • | | | | | | | | |
| Septic Tank: 1000 | gals | Pump Tank: | 1000 | gals | Sq. Foot: | 930 | System Type: | Accepted | |
| <u></u> | 94.0 | · • | | 94.0 | | <u></u> | e)e.e | <u></u> | |
| Number of Tener | 4 | I on ath of | Tranchas | 210 | #/See Ten | Chart for Date | nilo) | | |
| Number of Taps: | <u>4</u> | Length of | Trenches: | <u>310</u> | n(See Tap | Chart for Deta | ans) | | |
| | | | | | | _ | | | |
| Depth of Trenches: | <u>12</u> | in | Mani | ifold Length: | <u>42</u> | in | | | |
| | | | | | | | | | |
| Manifold Diameter: | 4in sch 80pv | <u>c</u> | Tap Confi | iguration: 6 in | spacing | <u>1</u> | side(s) of mar | nifold | |
| | | _ | - | - | | | ., | | |
| Supply Line: length: | 120 | ft | | Diameter: | 2 | in sch 40pvo | • | | |
| Supply Line. length. | 120 | | | Diameter | <u> </u> | | • | | |
| Frietien Less - Fittin | | 2 50 | ft/aumplu/ | line length . | 701 fan fittin | | | | |
| Friction Loss + Fittin | g Loss: | <u>3.59</u> | n(supply | line length + | TO TOP HELIN | igs in pump ta | ink) | | |
| | _ | | | | - | | | | |
| Design Head: | <u>2</u> | ft | Elevation | Head: | <u>6</u> | ft | | | |
| | | | | | | | | | |
| Total Head: <u>11.59</u> | ft | | Pum | p to Deliver: | 28.44 | gals/min at | <u>11.59</u> | ft head | |
| | | | | - | | • | | | |
| Dosing Volume: | 141 | gals, | | | | | | | |
| Decing tolulle. | <u></u> | gaio, | | | | | | | |
| Drawalawara 444 | مروا مراكبة مراجع | . I | 04.4 | | 0.0 | | | | |
| Drawdown: 141 | gals divided | р | <u>21.4</u> | gals/in = | <u>6.6</u> | inches | | | |

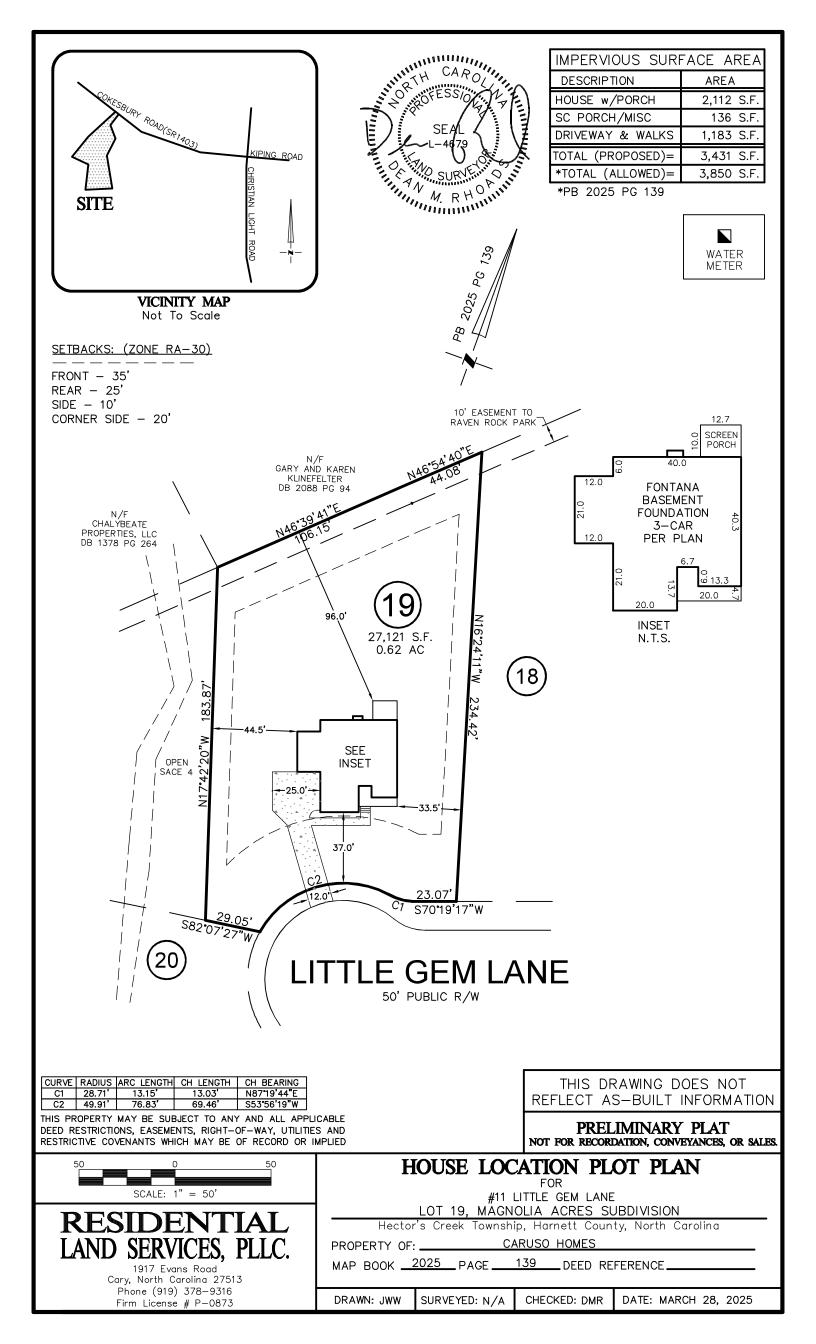
Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.



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

| | R: Caruso H | lomes | | (Complete all f | DATE EVALUATED:4/10/2025 | | | | | |
|-----------------------|--|---------------------------|---|-------------------------------------|------------------------------------|------------------------|-------------------------|-------------------------|--------------------------------------|-------------------------------------|
| LOCA | DSED FACILITY | 11 Little Gem | n Way, Fuquay V | | | | PROPE | RTY REC | E:62 A ORDED: | Y |
| | | | $\frac{\text{gle Family Well}}{\text{r Boring}} \square \text{Pit}$ | □ Shared Well □ □ Cut TY | Spring \Box Oth PE OF WASTE | | | | _ | |
| P R O F I | | | SOIL MO | RPHOLOGY | OTHE | R PROFII | LE FACTO | DRS | | |
| L E # | .0502 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | .0503 STRUCTURE/ TEXTURE | .0503 CONSISTENCE/ MINERALOGY | .0504 SOIL WETNESS/ COLOR | .0505 SOIL DEPTH | .0506 SAPRO CLASS | .0507 RESTR HORIZ | .0509 PROFILE CLASS & LTAR* | .0502(d) SLOPE CORRE CTION |
| | | 0-35 | GR/LS | VFR,SEXP,NS | | | | | | |
| | Shoulder | 35-48 | M Sap | Fr,SEXP,NS | | 35" | SL Sap | N.O | | 3" |
| 1 | 8% | | | | N.O | 35 | 35-48 | N.O | U/P.S .3 | 3 |
| | | | | | | | | | | |
| | | 0.14 | | | | | | | | |
| | | 0-14 | GR/LS | VFR,SEXP,NS Fr,SEXP,NS | | | | | | |
| $ _2$ | Shoulder | 14-39 | M Sap | TI,SEAF,NS | N.O | 14" | SL Sap | N.O | U/P.S .3 | 3" |
| | 8% | | | | | 14 | 14-39 | 11.0 | .3 | |
| | | | | | | | | | | |
| | | 0-8 | GR/SL | VFR,SEXP,NS | | | | | | |
| | Linear | 8-34 | Wk C | FI, S, Sexp | | o (" | | | U/P.S | |
| 3 | 19% | | | | N.O | 34" | N.O | N.O | .3 | 7" |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | 0-8 | GR/SL | VFR,SEXP,NS | | | | | | |
| | | 8-36 | Wk C | FI, S, Sexp | N.O | 36" | N.O | N.O | P.S .3 | 7" |
| 4 | Linear 19% | | | | | | IN.O | | 1.0.5 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM | |
|-------------------------|----------------|---------------|---------------------------------------|
| Available Space (.0508) | S | S | SITE CLASSIFICATION (.0509): U/P.S |
| System Type(s) | III B | III B | EVALUATED BY: Bobby Weaver/Alex Adams |
| Site LTAR | .3 | .3 | OTHER(S) PRESENT: |
| Maximum Trench Depth | 12" | 12" | |
| Comments: | | | |
| | | | |



| ACORD | |
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| | |

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

| 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 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). | | | | | | | | | | | |
| PRODUCER CONTACT Angela Sensenig | | | | | | | | | | | |
| Wade Associates, LLC | | | | PHONE (A/C, No | Ext). (252) | 631-5269 | FAX (A/C, No): (252)649 | -2443 | | | |
| 250 Pollock St. | | s: asensen: | senig@wadeict.com | | | | | | | | |
| | | | | | | | DING COVERAGE | NAIC # | | | |
| New Bern NC | 28560 | | | INSURE | RA: Lloyd's | s of Londo | n | A1122J | | | |
| INSURED | | | | INSURE | | | | | | | |
| Alex Adams, DBA: Adams Soil (| Consulti | ing | | INSURE | | | | | | | |
| 1676 Mitchell Rd. | | | | INSURE | | | | | | | |
| | | | | INSURE | RE: | | | | | | |
| Angier NC | 27501 | | | INSURE | RF: | | | | | | |
| COVERAGES C | ERTIFIC | ATE | NUMBER: 25-26 | | | | REVISION NUMBER: | | | | |
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| INSR LTR TYPE OF INSURANCE | ADDL S | | POLICY NUMBER | | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | | | | |
| COMMERCIAL GENERAL LIABILITY | | | | | | | ACH OCC RR NC | | | | |
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| | | | | | | | P (Any one person) | | | | |
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| POLICY PRO- CT LOC | | | | | | | PRO CTS-CO P/OPA | | | | |
| OTH R: | | | | | | | | | | | |
| AUTOMOBILE LIABILITY | | | | | | | CO BIN SIN L LI IT (a accident) | | | | |
| ΑΝΥΑ ΤΟ | | | | | | | BO ILY IN RY (Per person) | | | | |
| ALL O N SCH L A TOS A TOS | | | | | | | BO ILY IN RY (Per accident) | | | | |
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| UMBRELLA LIAB OCC R | | | | | | | ACH OCC RR NC | | | | |
| EXCESS LIAB CLAI S- | 4 | | | | | | A R AT | | | | |
| R T NTION | | | | | | | | | | | |
| WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | | P R OTH- STAT T R | | | | |
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| O IC R/ B R CL (Mandatory in NH) | | | | | | | .L. IS AS - A PLOY | | | | |
| If yes describe under SCRIPTION O OP RATIONS below | | | | | | | .L. IS AS - POLICY LI IT | | | | |
| A Errors & Omissions | | | PSN0040221161 | | 1/31/2025 | 1/31/2026 | ach Occurrence | \$1,000,000 | | | |
| | | | | | | | eneral Aggregate | \$1,000,000 | | | |
| DESCRIPTION OF OPERATIONS / LOCATIONS / VEH | ICLES (ACO | RD 101 | I, Additional Remarks Schedule, m | ay be atta | ched if more spa | ce is required) | | | | | |
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| CERTIFICATE HOLDER CANCELLATION | | | | | | | | | | | |
| *FOR INFORMATIONAL PURPOSES ONLY* XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | | | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. | | | | | | | |
| xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | | | | | AUTHORIZED REPRESENTATIVE | | | | | | |
| | | | | N Whitsett/RACHEL N Red W | | | | | | | |