Supervisor/Administrative Professional Checklist

New Septic ☒ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP ($250.00) _____ Initials/Date

CA ($200.00) _____ Initials/Date

OP ($200.00) _____ Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☐ ____

This site is served by septic and well. Verify each is complete before final hold is released. ☐

Septic file completed. ☒ 8/29/19 Well file completed. ☒ _____

Send permit for signature. ☐ Signature received. ☐ _____

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ _____

* Cannot find the Original file (septic).
Ok to release Occupancy Hold.

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9741B Permit #: 8977 Tax Parcel #: 217-191-75

Property Owner: Rocky Evans

Job Location Address: 17502 Grasshopper LN

City: Charlotte State: NC Zip Code: 28278

Operation Permit Issuance Date: 6-21-19 Contractor Name: Autry Septic

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: 1000 gallons

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufacture Infiltrator Effluent Pump Model: Liberty 1/2hp

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 5 @ various feet

Depth of Media: 12" inches (Type) IQ4

Depth of Cover: 18" inches

Distribution Device: D-Box to Endcaps

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 41' feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 50'+ feet

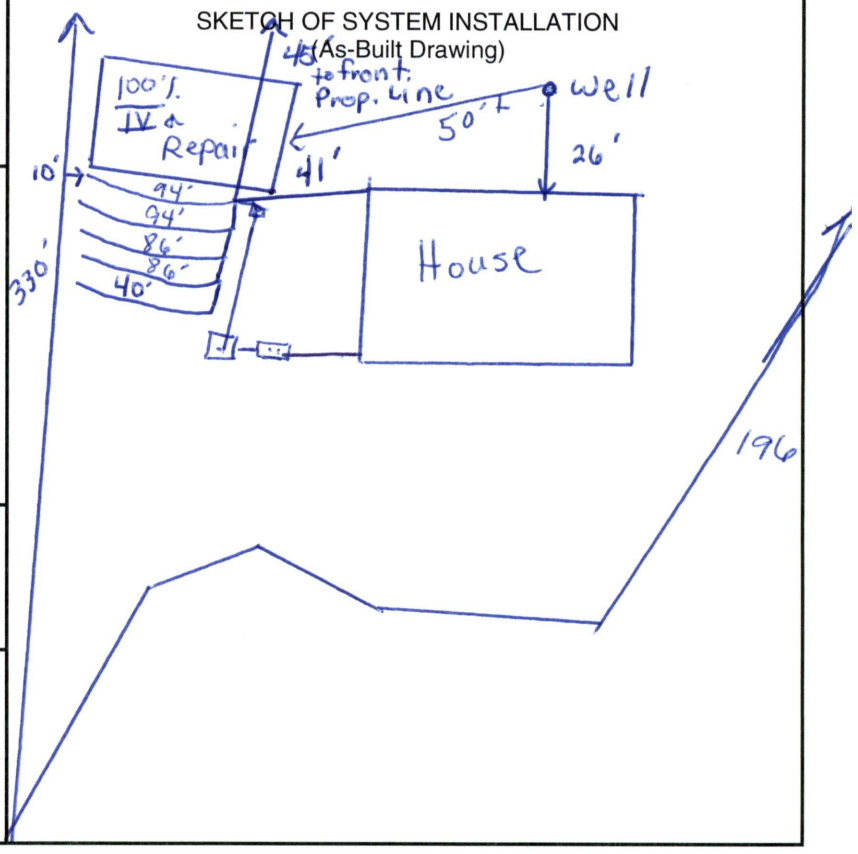
Inspection Dates

Tank(s) Inspected: 4-23-19

Excavation Inspected: 4-23-19

Pump & Controls Inspected: 5-15-19

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: III6/IQ4/p/NA/NA

DENR Authorized Agent: April Bumgarner Signature: April Bumgarner

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9741B Permit #: 8977 Tax Parcel #: 217-191-75

Property Owner: Rocky Evans

Job Location Address: 17502 Grasshopper LN

City: Charlotte State: NC Zip Code: 28278

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: III b

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☐ System does not require inspection by GWS on a routine frequency.

☒ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: April Bumgarner Date: 6-27-19

Signature: April Bumgarner

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

Septic System Pre-Construction Meeting Checklist

File # 9741B App# 8977 Tax Parcel# 217-191-75

Property Owner: Rocky Evans

Job Location Address: 17502 Grasshopper LN

City: Charlotte State: NC Zip Code: 28278

1. **Does System design match facility, flow & wastewater characteristics?**

   ☑ YES ☐ NO

   Comments: _____

2. **Is there sufficient available space for the septic systems initial and repair areas?**

   ☑ YES ☐ NO

   Comments: _____

   _____

3. **Can the septic system be installed per the permit conditions and drawing on file?**

   ☑ YES ☐ NO

   Comments: _____

   _____

*If "NO" is checked for any of the above the existing permit may need to be revoked.

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. System shall not be installed while soils are in wet condition.

April Bumgarner
Authorized Agent

4-23-19
Date

Steve Autry
Others Present

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr, Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30008977** GWS File #: **9741B** Tax Parcel #: **217-191-75**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 5/29/2023

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 4000 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Water Supply: Private Well

II. Initial System Type: Pump to Accepted **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	800	Total Trench Length (ft):	267
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Manifold (LPP Distri		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Brad Hallman Owner/Legal Agent:_____
Print Name

Signature:_____ Signature:_____

Date Issued: 5/29/2018

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr, Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30008977** GWS File #: **9741B** Tax Parcel #: **217-191-75**

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Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	800	Total Trench Length (ft):	267
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Manifold (LPP Distri		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

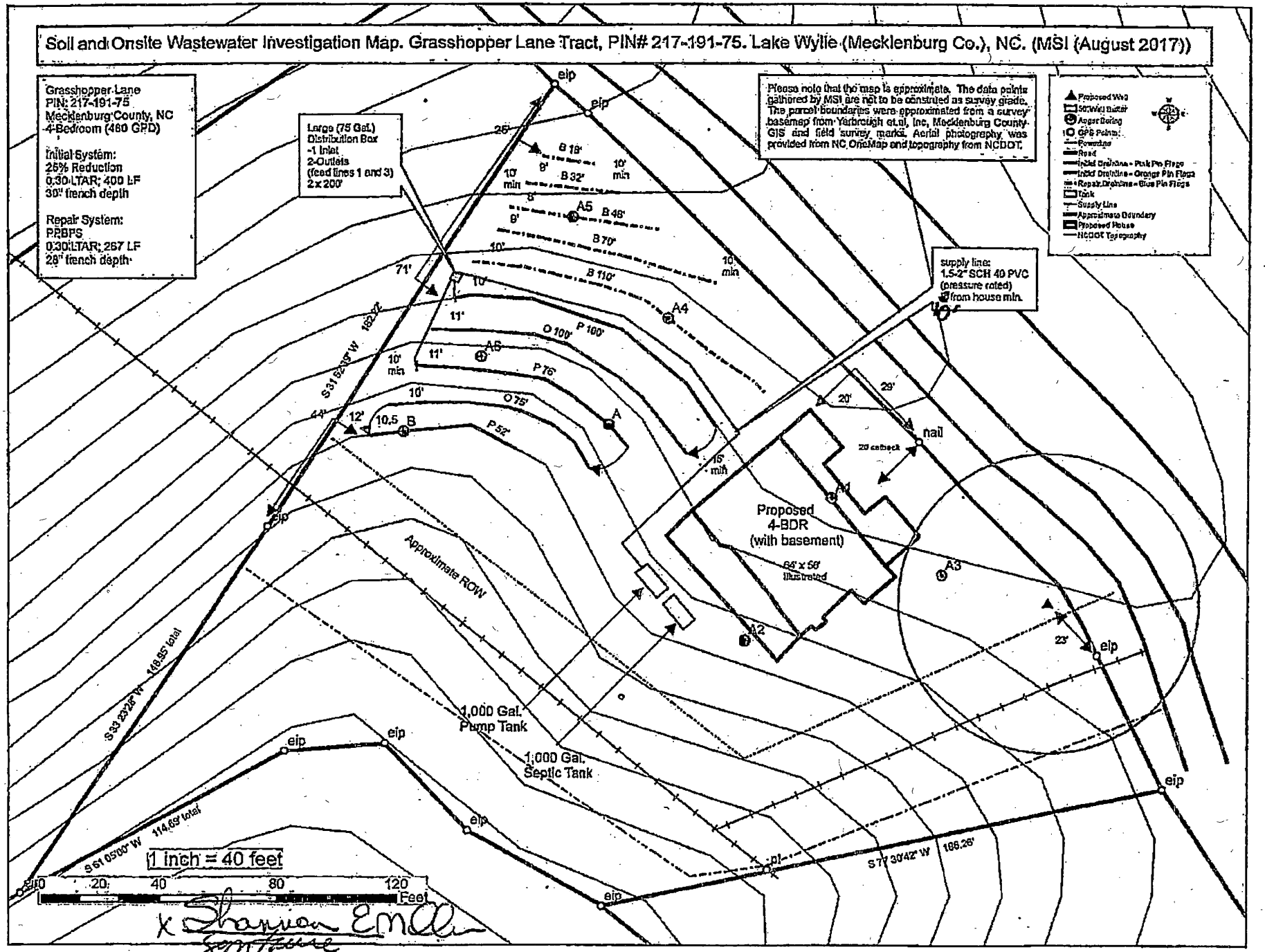
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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Brad Hallman Owner/Legal Agent:_____
Print Name

Signature:_____ Signature:_____

Date Issued: 5/29/2018


Soil and Onsite Wastewater Investigation Map. Grasshopper Lane Tract, PIN# 217-191-75. Lake Wylie (Mecklenburg Co.), NC. (MSI (August 2017))
Grasshopper Lane
PIN: 217-191-75
Mecklenburg County, NC
4-Bedroom (480 GPD)
Initial System:
25% Reduction
0.30 LTAR; 400 LF
30" trench depth
Repair System:
PRBFS
0.30 LTAR; 267 LF
28" trench depth
Large (75 Gal.) Distribution Box
-1 Inlet
2-Outlets
(feed lines 1 and 3)
2 x 200'
Please note that the map is approximate. The data points gathered by MSI are not to be construed as survey grade. The parcel boundaries were approximated from a survey basemap from Yarbrough et.al, Inc, Mecklenburg County GIS and field survey marks. Aerial photography was provided from NC OneMap and topography from NCDOT.
Proposed Well
50' Well Radius
Auger Boring
GPS Points
Powerline
Road
Initial Drainline - Pink Pin Flags
Initial Drainline - Orange Pin Flags
Repair Drainline - Blue Pin Flags
Tank
Supply Line
Approximate Boundary
Proposed House
NCDOT Topography
supply line:
1.5-2" SCH 40 PVC
(pressure rated)
from house min.
Proposed
4-BDR
(with basement)
66' x 56'
Illustrated
20' setback
Approximate ROW
1,000 Gal.
Pump Tank
1,000 Gal.
Septic Tank
eip
nail
pl
A
A1
A2
A3
A4
A5
B
B 18'
B 32'
B 48'
B 70'
B 110'
P 52'
P 76'
P 100'
O 75'
O 100'
S 31 52'15" W 182.72'
S 33 23'28" W 149.85' total
S 61 05'00" W 114.69' total
S 77 30'42" W 186.26'
1 inch = 40 feet
0 20 40 80 120 Feet

MOUNTAIN SOILS, INCORPORATED

71 LEDFORD DRIVE FRANKLIN, NC 28734
EMAIL: SJMELIN@EARTHLINK.NET WEBSITE: WWW.MOUNTAINSOILS.COM
CELL: (828) 551-9903 OFFICE/FAX: (828) 524-5962

June 25, 2019

Mecklenburg County Public Health
700 N. Tryon Street, Suite 208
Charlotte, NC 28202

Re: 17502 Grasshopper Lane – (Soil Scientist) Septic Installation Verification;
(PIN# 217-191-75)

Dear Mecklenburg County,

This letter is intended satisfy the requirement that the system at 17502 Grasshopper Lane was installed according to recommendations in the Soils Report.

I hereby certify that the system was designed and installed consistent with the Soils Report. This included installing a 1,000 gallon septic tank and 1,000 gallon pump tank. Please note that the 0.30 LTAR and 30" trench depth were utilized as specified in the Soils Report for the 4-bedroom septic system, which feeds 400 linear feet of 25% Reduction material.

I greatly appreciate your time. Please feel free to contact me if additional information is required.

Kind Regards,

1254
6-25-19

Steven J. Melin, LSS
Project Manager – Environmental Services
Mountain Soils, Inc.

