SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

☒ NEW SEPTIC ☐ REPAIR ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐ ALTERATION

File Number: 8814B

Assigned Inspector: Jacob / April

☒ IP $250.00: 10/14/23 LP Initial/Date

☐ IP Commercial $450.00: _____ Initial/Date

☒ CA & OP $400.00: 10/15/24 @ Initial/Date

☐ Alteration Fees $300: _____ Initial/Date

☐ Modified Plot Plan Fees $100.00: _____ Initial/Date

☐ Use Existing Fees $100.00: _____ Initial/Date

☐ Use Existing Approved ☐ Use Existing Denied

☒ Send IP permit for signature: 10/16/24 ☐ Signature received: _____

☐ Floor plans reviewed

☒ Generate CA ☒ Approve as Noted in Winchester

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

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

☐ Certified operator contract is on file: _____

☒ Septic file complete: 3/25/25

☒ Release final hold in Winchester: No hold as of 3/25

Comments:

Please make sure to get the permits signed and then the CA can be generated & Hold Released.

Thanks

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ○ N/A ☒ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ○ N/A ☒ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 21715167
STREET ADDRESS: Landover RD.
CITY: Charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME: N/A
LOT #: ✓ LOT SIZE (acres): .41
TOWNSHIP:
☒ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. BUILDING INFORMATION:

BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
☒ HOUSE ○ OTHER _____
HEATED SQUARE FOOTAGE: 3940
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS: 2
FOUNDATION TYPE:
○ CONCRETE SLAB ☒ BASEMENT WITH PLUMBING
○ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☐ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ○ MUNICIPAL ☒ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. PROPOSED USE OF WELL: ○ N/A ○ IRRIGATION ☒ POTABLE (DRINKING WATER) ○ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED)*:

☐ N/A ☐ ANY TYPE ☒ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. RANK: ____ ____ ____ ____ ____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ☒ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ☒ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ☒ NO	JURISDICTIONAL WETLANDS	○ YES ☒ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ☒ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ☒ NO
EASEMENTS OR RIGHT-OF-WAYS	☒ YES ○ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ☒ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ☒ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ☒ NO
WASTE STORAGE	○ YES ☒ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ☒ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____ ☒ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☒ N/A

12. PROPERTY OWNER:

NAME: Michael Morgan
ADDRESS: 16301 Woolwine RD.
CITY: Charlotte
STATE: NC ZIP: 28278
WORK PHONE: 704-578-8727
MOBILE PHONE: 704-578-8727
FAX: _____
E-MAIL: MtMorgan78@yahoo.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: _____
ADDRESS: _____
CITY: _____
STATE: _____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. 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. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

MM (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. 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. The permit is valid for a period of twelve (12) months from the date of issuance.

MM (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

Michael Morgan
Property Owner's or Owner's Legal Representative Signature

5-15-23
Date

OFFICE USE ONLY

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ○ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

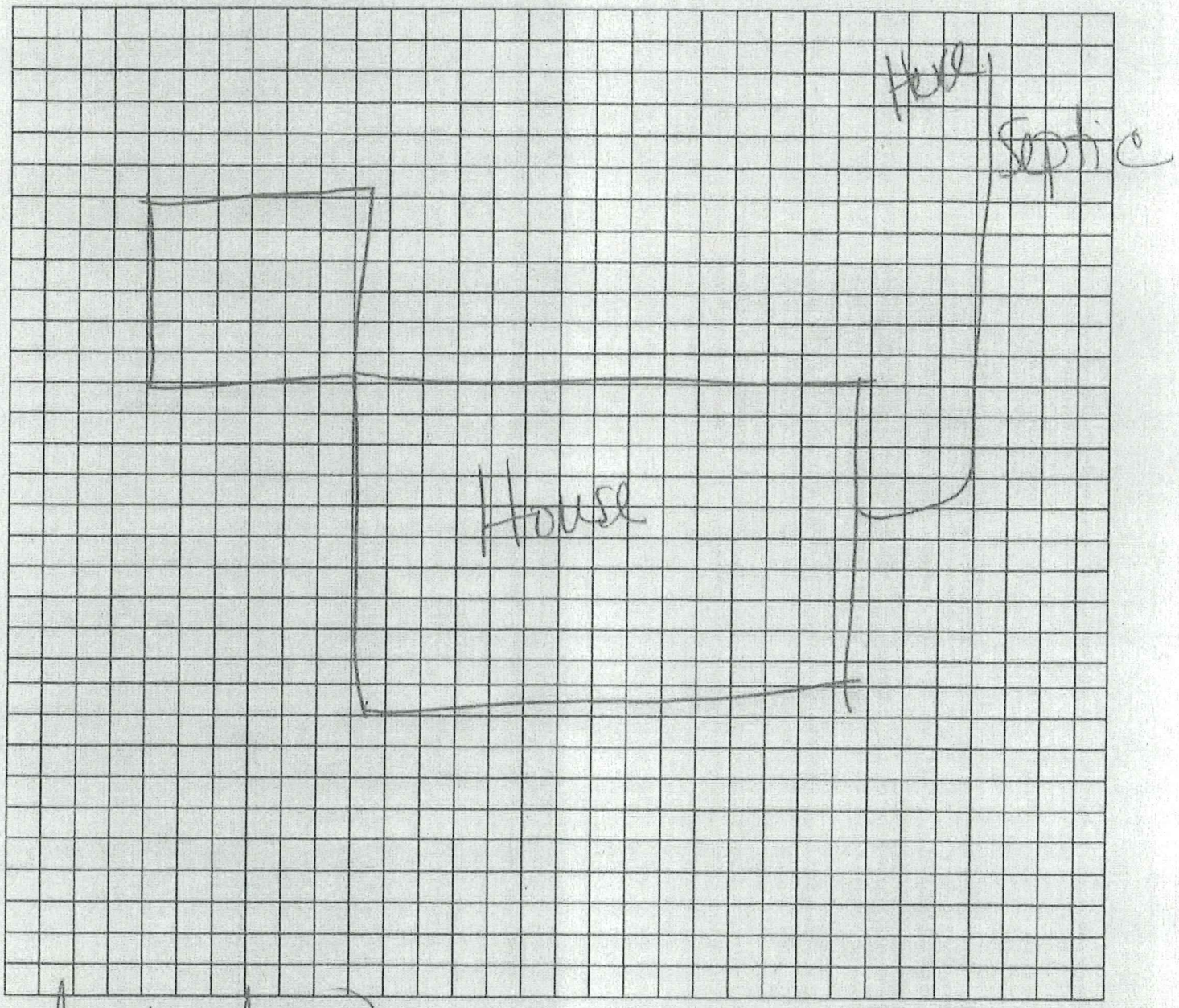
File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: Landover Rd. Tax Parcel #: 21715107

Subdivision Name: N/A Lot #: 1



Michael Wynne
Property Owner's or Owner's Legal Representative Signature

5/13/23
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/14/23	**Amount:**	250.00
Receipt #:	143128	**Tendered:**	250.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	PLACILJ		

Account Information

Account #: X50906
Contractor: AEM ENTERPRISES LLC
Attn:
Address: 16301 WOOLWINE
Address:
City/State/Zip: CHARLOTTE, NC 28278

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 16914 LANDOVER RD		1	250.00	250.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
250.00	250.00				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/15/23	**Amount:**	250.00
Receipt #:	142616	**Tendered:**	250.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ORTIZMP		

Account Information

Account #: X50906
Contractor: AEM ENTERPRISES LLC
Attn: BRIAN FECK
Address: 16301 WOOLWINE
Address:
City/State/Zip: CHARLOTTE, NC 28278

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 16908 LANDOVER RD		1	250.00	250.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
250.00					

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887

Reference: 16914 Landover Road; Lot 101A;
PID 21715167 & 21715153 (septic easement)
Mecklenburg County, NC

House Footprint: 80' x 50'
Building Setbacks: 20' Front; 5' Side; 50' Rear
Water Source: Private Well
Number of Bedrooms: 5-600 GPD
Proposed Initial LTAR: 0.3 GPD/FT2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.3 gpd/ft2
Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5@ ½" SCH80 at 5.48gpm
Tap Size and Material: ½" SCH80
System Flow: 27.4 gpm
Dosing Volume: 218.76 gallons
Pump Run Time: 7.98 minutes
Elevation Head: 67.6'
Friction Head: 9.24'
Pressure Head: 3'
Total Dynamic Head: 79.84'
Supply Line Length: 500'
Proposed Trench Bottom Depth: 36"
Septic/ Pump tank size: 1500 gallon Septic Tank; 1500 gallon Pump Tank

Line	Design Length	Actual Length	Elevation
Blue 1		80'	3.5'
Pink 2		80'	4.9'
White 3		41'	15.9'
Orange 4	**95'**	**95'**	**17.4'**
Blue 5	**100'**	**101'**	**20.4'**
Orange 6	**105'**	**110'**	**23.2'**
White 7	**100'**	**108'**	**26.5'**
Orange 8	**100'**	**105'**	**29.3'**
Blue 9		75'	32.4'
White 10		70'	35.6'

Initial System: 500' 25% Reduction **Repair System:** 346' PPBPS
Bench Mark: 7' See Site Plan **House Corner:** 76' **Pump Tank:** 80' **PM:** 17.4'

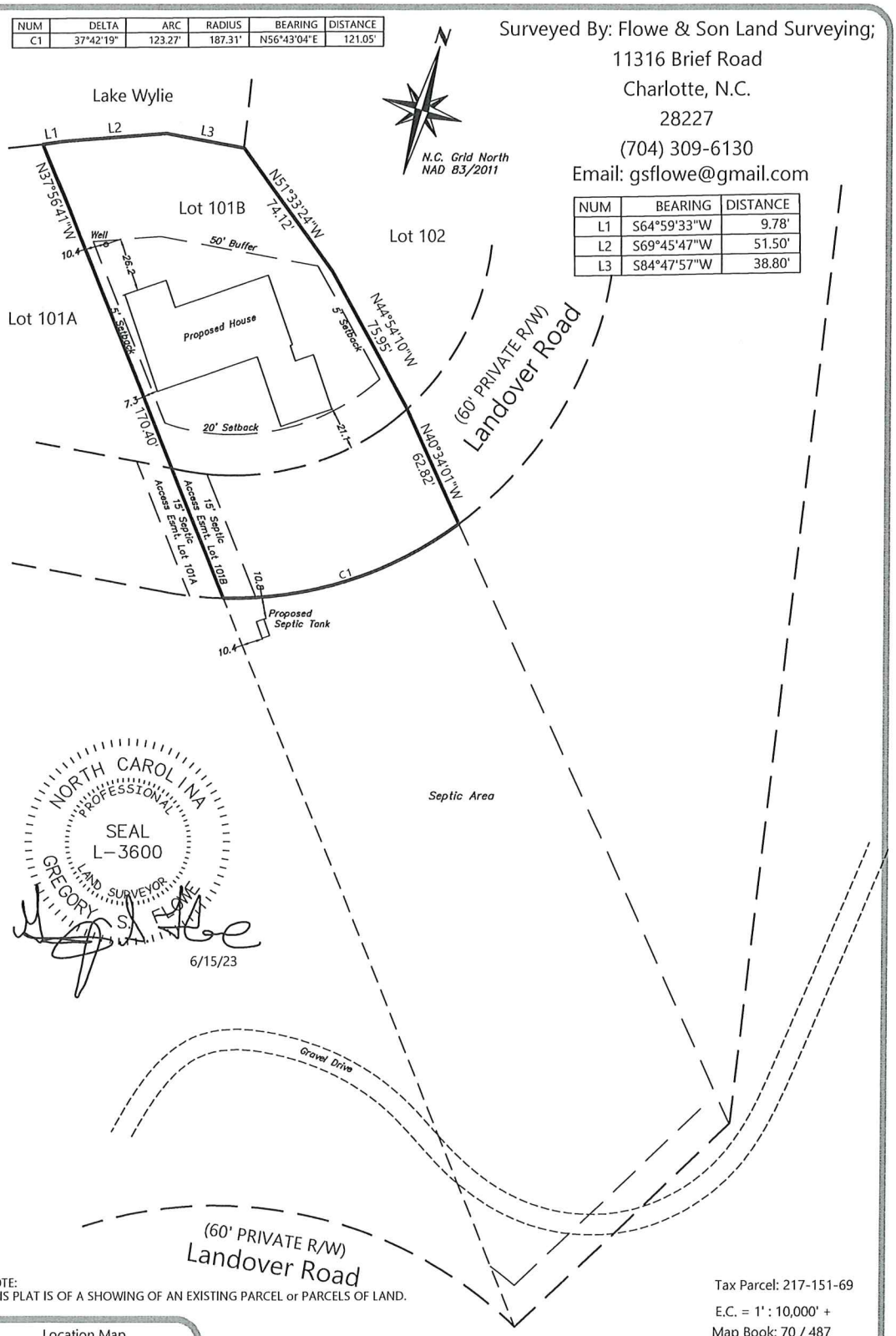
Comments: **The purpose of this evaluation is to permit the property for a 5-bedroom residence. The septic area is in a deeded septic easement area just above the lot.**

- **The total dynamic head should be re-shot prior to installation. Due to the topography change, MA&A used the GIS topography layer to determine the elevation difference from the tanks to the septic area.**
- **The proposed septic area should be fenced off prior to construction activities and maintained throughout construction. No vehicular traffic should be allowed in the septic area. Failure to do so will result in the permit being revoked.**
- The tanks are located in the front of the lot. Any effluent from the basement should be pumped to the main sewer line within the house.
- Keep all parts of the system 25' upslope or 15' on a side slope from a 2' or greater cut.
- A 15' wide easement is shown for the pressure line to cross the area designated as a road on the plat. This has been staked by the surveyor in the field.

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	37°42'19"	123.27'	187.31'	N56°43'04"E	121.05'

Surveyed By: Flowe & Son Land Surveying;
11316 Brief Road
Charlotte, N.C.
28227
(704) 309-6130
Email: gsflowe@gmail.com

NUM	BEARING	DISTANCE
L1	S64°59'33"W	9.78'
L2	S69°45'47"W	51.50'
L3	S84°47'57"W	38.80'



NORTH CAROLINA PROFESSIONAL SEAL L-3600 LAND SURVEYOR GREGORY S. FLOWE

6/15/23

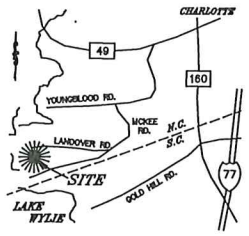
NOTE:
THIS PLAT IS OF A SHOWING OF AN EXISTING PARCEL or PARCELS OF LAND.

Tax Parcel: 217-151-69

E.C. = 1' : 10,000' +

Map Book: 70 / 487

Location Map
(Not To Scale)



THIS IS A PLOT PLAN. THIS IS NOT A SURVEY.
THE PURPOSE OF THIS PLAT IS TO DEPICT PROPOSED LOCATION OF HOUSE FOR BUILDING PERMIT

Plot Plan
For

Brian Thomas Feck

Steele Creek Township
Mecklenburg County, N.C.

Drawing No. 174-22

Scale: 1" = 60'

June 15, 2023

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 217-151-67
Lot #: NA
File #: 8814B
AppID: 13923

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Michael Morgan
Address: 16301 Woolwine Rd, Charlotte, NC 28278
Proposed Facility: 3 Bedroom House
Design Flow (.1949): 360 GPD
Location of Site: 16914 Landover Rd, Charlotte, NC 28278
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Municipal
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: owner
Date Evaluated: 6/20/2023
Property Size: 0.41 + easement
Property Recorded: 4/3/23

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit #1	LS 25%	0 - 10	sbk SCL	SS SP FR SEXP	>53"	53	NA	NA		PS IV 0.3	32"
		10 - 36	sbk C	S P FI SEXP							
		36 - 53	sbk CL	SS SP FR SEXP							
Pit #2	LS 25%	0 - 10	sbk SCL	SS SP FR SEXP	>55"	55	NA	NA		PS IV 0.3	34"
		10 - 34	sbk C	S P FI SEXP							
		34 - 55	sbk CL	SS SP FR SEXP							
Pit #3	LS 25%	0 - 10	sbk SCL	SS SP FR SEXP	>55"	55	NA	NA		PS IV 0.3	34"
		10 - 34	sbk C	S P FI SEXP							
		34 - 55	sbk CL	SS SP FR SEXP							
Pit #4	LS 25%	0 - 9	sbk SCL	SS SP FR SEXP	>60"	60	NA	NA		PS IV 0.3	36"
		9 - 42	sbk C	S P FI SEXP							
		42 - 60	sbk CL	SS SP FR SEXP							
Pit #5	LS 12%	0 - 6	sbk SCL	SS SP FR SEXP	>58"	58	NA	NA		PS IV 0.3	36"
		6 - 36	sbk C	S P FI SEXP							
		36 - 58	sbk CL	SS SP FR SEXP							
Pit #6	LS 25%	0 - 5	sbk SCL	SS SP FR SEXP	>55"	55	NA	NA		PS IV 0.3	36"
		5 - 40	sbk C	S P FI SEXP							
		40 - 55	sbk CL	SS SP FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	1116	1116e
Site LTAR (gpd/sq ft)	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS, REHS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

Landscape Position
R-Ridge
SS-Shoulder Slope
LS-Linear Slope
FS-Foot Slope
NS-Nose Slope
HS-Head Slope
CC-Concave Slope
CV-Convex Slope
T-Terrace
FP-Flood Plain
D-Drainage Way

Group	Texture	.1955 LTAR
I	S-Sand	1.2 - 0.8
	LS-Loamy Sand	
II	SL-Sandy Loam	0.8 - 0.6
	L-Loam	
III	Si-Silt	0.6 - 0.3
	SiCL-Silty Clay Loam	
	CL-Clay Loam	
	SCL-Sandy Clay Loam	
	SiL-Silt Loam	
IV	SC-Sandy Clay	0.4 - 0.1
	SiC-Silty Clay	
	C-Clay	

Structure
sg-Single Grain
mass-Massive
cr-Crumb
gr-Granular
sbk-Subangular Blocky
abk-Angular Blocky
pl-Platy
pr-Prismatic

Structure Prefixes

w-weak
m-moderate
s-strong
f-fine
m-medium
c-coarse

Consistence
Moist

VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence
Wet

SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

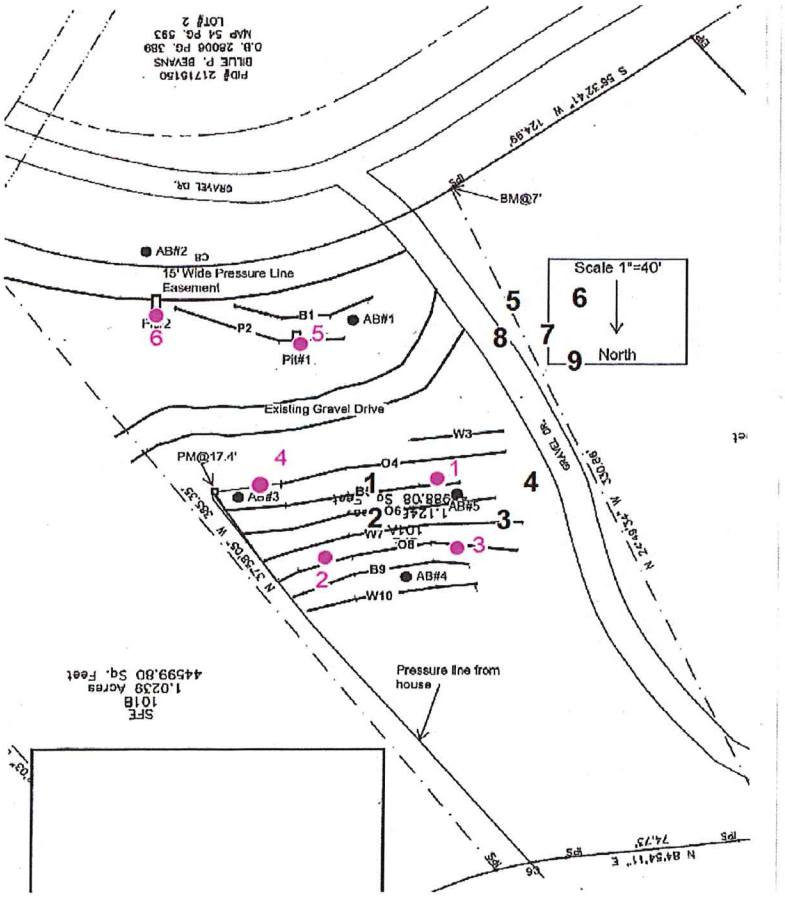
Mineralogy

SEXP-Slightly Expansive
EXP-Expansive

Classification

US-Unsuitable
PS-Provisionally Suitable
S-Suitable
NA-Not Applicable

Sketch of Soil Evaluation Locations



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 #: **30013923** GWS File #: **8814B** Tax Parcel #: **217-151-67**

- 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):** 6/28/2028

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

Structure Type: HOUSE Size (ft^2): 3940 # Bedrooms: 5 Max. Occup.: 10

Building Foundation: Basement With Plumbing Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1500	Total Trench Length (ft):	500
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: PPBPS (gravity) **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1000	Total Trench Length (ft):	333
Maximum Trench Depth (in):	36	Depth of Media (in):	N/A	Distribution Device:	Pressure Manifold		

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: April Bumgarner Owner/Legal Agent:_____
Print Name

Signature: April Bumgarner Signature:_____

Date Issued: 6/28/2023

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 #: 30013923 GWS File #: 8814B

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- Upon completion of the project the system designer shall provide Groundwater & Wastewater Services with a letter certifying that the system was installed in accordance with the approved design.
- The supply pipe shall be installed with a minimum of 30" of compacted cover over the pipe or properly sleeved under areas that are subject to vehicular traffic.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

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:

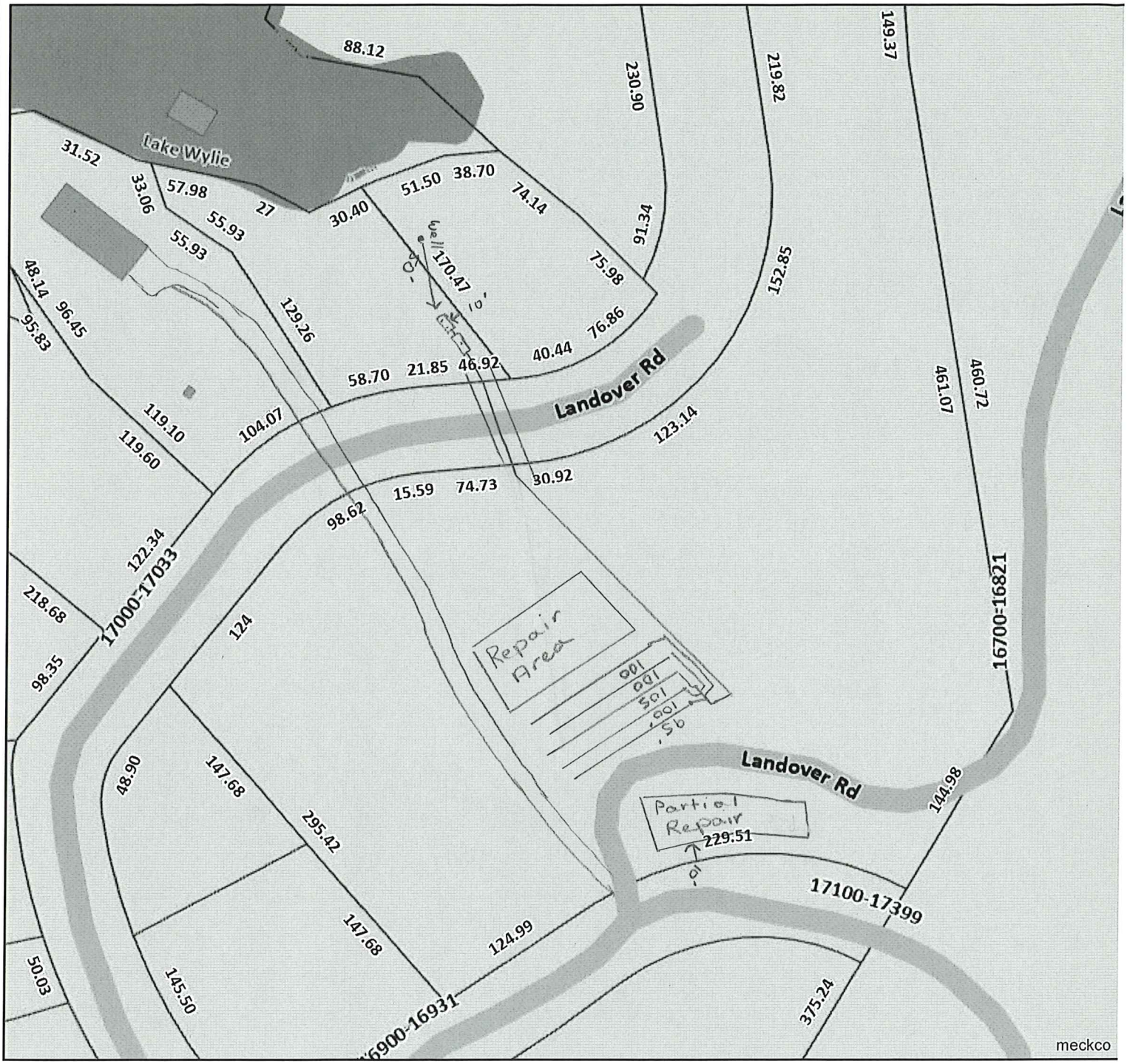
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- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: April Bumgarner Owner/Legal Agent: _____
Print Name

Signature: April Bumgarner Signature: _____

Date Issued: 6/28/2023

On-site Wastewater Improvement Permit Diagram



Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #:
PID #:
File #:

Authorized Agent: _____ Date: _____

Owner/ Legal Agent: _____ Date: _____

1 inch = 100 fe

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887

GWS Septic System Design Review

GWS File#: 8810B

Design Review: Approved Disapproved

Field Review: Approved Disapproved

*Permits are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

Reference: 16914 Landover Road; Lot 101A;
PID 21715167 & 21715153 (septic easement)
Mecklenburg County, NC

House Footprint: 80' x 50'
Building Setbacks: 20' Front; 5' Side; 50' Rear
Water Source: Private Well
Number of Bedrooms: 5-600 GPD
Proposed Initial LTAR: 0.3 GPD/FT2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.3 gpd/ft2
Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5@ ½" SCH80 at 5.48gpm
Tap Size and Material: ½" SCH80
System Flow: 27.4 gpm
Dosing Volume: 218.76 gallons
Pump Run Time: 7.98 minutes
Elevation Head: 67.6'
Friction Head: 9.24'
Pressure Head: 3'
Total Dynamic Head: 79.84'
Supply Line Length: 500'
Proposed Trench Bottom Depth: 36"
Septic/ Pump tank size: 1500 gallon Septic Tank; 1500 gallon Pump Tank

Line	Design Length	Actual Length	Elevation
Blue 1		80'	3.5'
Pink 2		80'	4.9'
White 3		41'	15.9'
Orange 4	**95'**	**95'**	**17.4'**
Blue 5	**100'**	**101'**	**20.4'**
Orange 6	**105'**	**110'**	**23.2'**
White 7	**100'**	**108'**	**26.5'**
Orange 8	**100'**	**105'**	**29.3'**
Blue 9		75'	32.4'
White 10		70'	35.6'

Initial System: 500' 25% Reduction **Repair System:** 346' PPBPS
Bench Mark: 7' See Site Plan **House Corner:** 76' **Pump Tank:** 80' **PM:** 17.4'

Comments: **The purpose of this evaluation is to permit the property for a 5-bedroom residence. The septic area is in a deeded septic easement area just above the lot.**

- **The total dynamic head should be re-shot prior to installation. Due to the topography change, MA&A used the GIS topography layer to determine the elevation difference from the tanks to the septic area.**
- **The proposed septic area should be fenced off prior to construction activities and maintained throughout construction. No vehicular traffic should be allowed in the septic area. Failure to do so will result in the permit being revoked.**
- The tanks are located in the front of the lot. Any effluent from the basement should be pumped to the main sewer line within the house.
- Keep all parts of the system 25' upslope or 15' on a side slope from a 2' or greater cut.
- A 15' wide easement is shown for the pressure line to cross the area designated as a road on the plat. This has been staked by the surveyor in the field.

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 16914 Landover Road; Lot 101A; PID# 21715167
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Michael Morgan APPLICATION DATE:
ADDRESS: 16301 Woolwine Road Charlotte, NC 28278 DATE EVALUATED: 6/2023
PROPOSED FACILITY: 5 Bedroom Residence PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 0.44 Acres
LOCATION OF SITE: 16914 Landover Road Charlotte, NC PROPERTY RECORDED: 4/4/2022
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS / COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
AB 1	L 29-30%	0"-24"	R C SBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 24"-48"		0.3+
		24"-48"	R CL WSBK	SS SP FR SEXP					
AB 2	L 29-30%	0"-25"	R C SBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 25"-48"		0.3+
		25"-48"	R CL WSBK	SS SP FR SEXP					
AB 3	L 29-30%	0"-8"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 25"-48"		0.3+
		8"-27"	R C SBK	SS SP FR SEXP					
		27"-48"	R CL WSBK	SS SP FR SEXP					
AB 4	L 29-30%	0"-13"	Br CL WSBK	SS SP FR SEXP		48"			0.3
		13"-48"	R C SBK	SS SP FR SEXP					
AB 5	L 29-30%	0"-25"	R C SBK	SS SP FR SEXP		60"	Few to common saprolite inclusions 25"-60"		0.3+
		25"-60"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1500 FT2	1038ft2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 16914 Landover Road; Lot 101A; PID# 21715167
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM cont.

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS / COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
Pit 1	L 29-30%	0"-23"	R C SBK	SS SP FR SEXP		53"	Few to common saprolite inclusions 23"-53"		0.3+
		23"-53"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 29-30%	0"-6"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 40"-48"		0.3
		6"-40"	R C SBK	SS SP FR SEXP					
		40"-48"	R CL WSBK	SS SP FR SEXP					

Comments:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

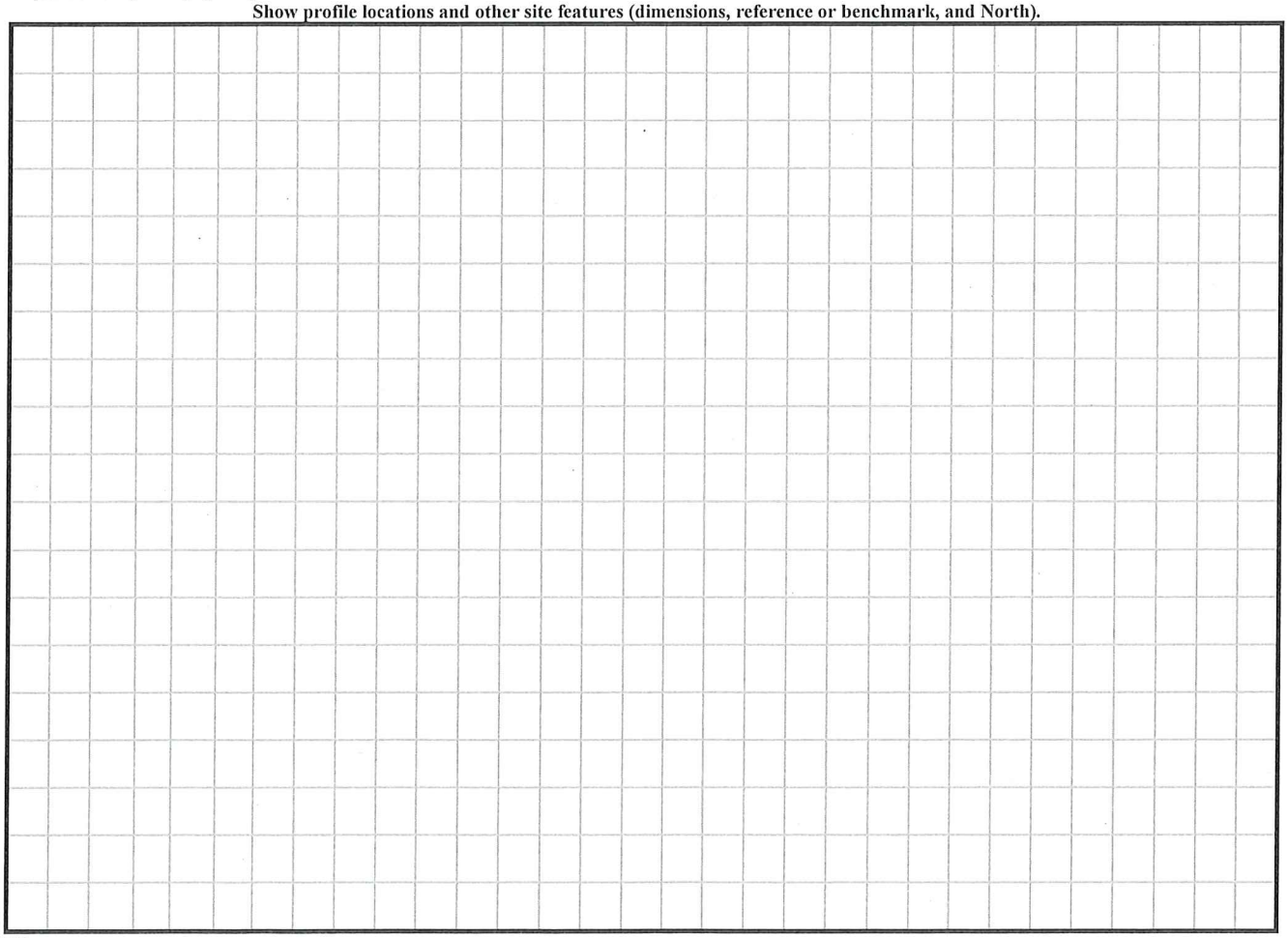
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
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), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)

Review (#####)

FOR REGISTRATION
Fredrick Smith
REGISTER OF DEEDS
Mecklenburg County, NC
2022 APR 04 10:15:25 AM
BK:70 PG:487-488
FEE:$21.00
INSTRUMENT # 2022051474

PETERSAL

2022051474

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

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COUNTY: Mecklenburg

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for ON-SITE WASTEWATER SYSTEM

OWNER: Michael Morgan APPLICATION DATE:
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WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
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		25"-48"	R CL WSBK	SS SP FR SEXP					
AB 3	L 29-30%	0"-8"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 25"-48"		0.3+
		8"-27"	R C SBK	SS SP FR SEXP					
		27"-48"	R CL WSBK	SS SP FR SEXP					
AB 4	L 29-30%	0"-13"	Br CL WSBK	SS SP FR SEXP		48"			0.3
		13"-48"	R C SBK	SS SP FR SEXP					
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EVALUATED BY: Michael Athanas and Associates
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		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
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*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

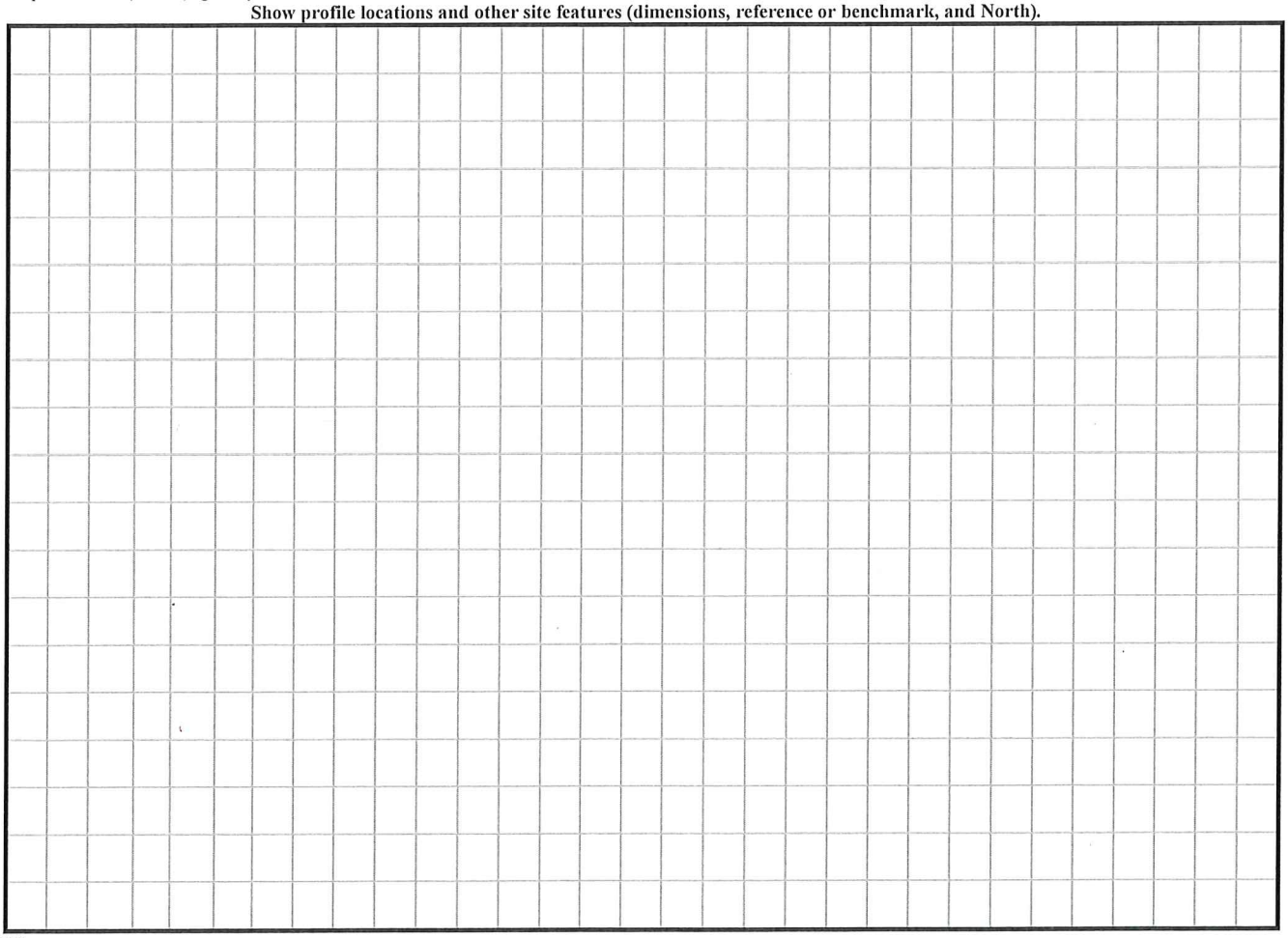
NOTES

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Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)

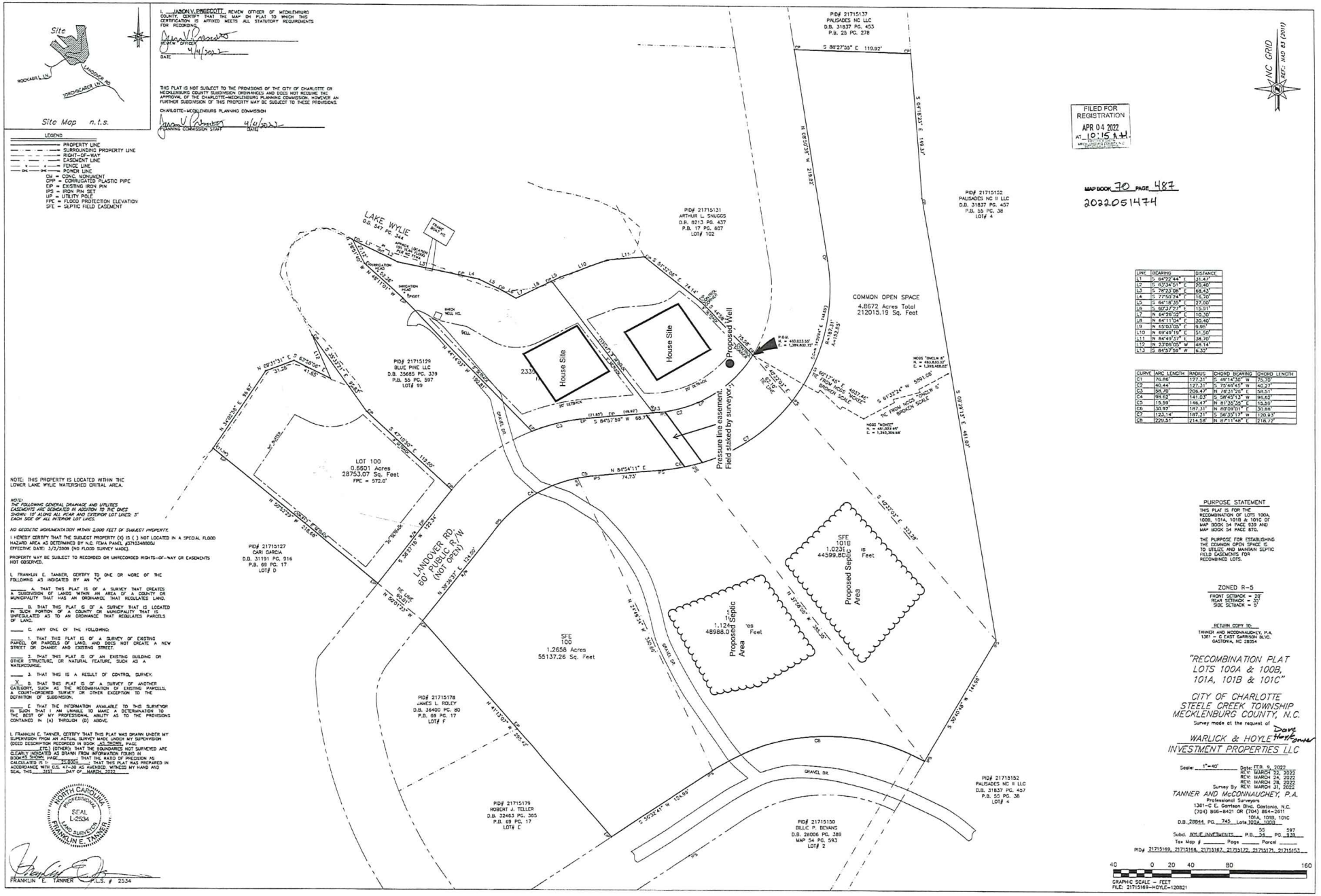
Review (#####)

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM cont.

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
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		23"-53"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 29-30%	0"-6"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 40"-48"		0.3
		6"-40"	R C SBK	SS SP FR SEXP					
		40"-48"	R CL WSBK	SS SP FR SEXP					

Comments:

B70 - P 487


Site
ROCKABY LN
LANDOVER RD
TOWNBREAKER LN
Site Map n.t.s.
I, JASON V. PRESCOTT, REVIEW OFFICER OF MECKLENBURG COUNTY, CERTIFY THAT THE MAP ON PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.
REVIEW OFFICER
DATE 4/4/2022
THIS PLAT IS NOT SUBJECT TO THE PROVISIONS OF THE CITY OF CHARLOTTE OR MECKLENBURG COUNTY SUBDIVISION ORDINANCES AND DOES NOT REQUIRE THE APPROVAL OF THE CHARLOTTE-MECKLENBURG PLANNING COMMISSION. HOWEVER ANY FURTHER SUBDIVISION OF THIS PROPERTY MAY BE SUBJECT TO THESE PROVISIONS.
CHARLOTTE-MECKLENBURG PLANNING COMMISSION
PLANNING COMMISSION STAFF
4/4/2022
DATE
LEGEND
PROPERTY LINE
SURROUNDING PROPERTY LINE
RIGHT-OF-WAY
EASEMENT LINE
FENCE LINE
POWER LINE
CM = CONC. MONUMENT
CPP = CORRUGATED PLASTIC PIPE
EIP = EXISTING IRON PIN
IPS = IRON PIN SET
UP = UTILITY POLE
FPE = FLOOD PROTECTION ELEVATION
SFE = SEPTIC FIELD EASEMENT
PID# 21715137
PALISADES NC LLC
D.B. 31837 PG. 453
P.B. 25 PG. 278
S 86°27'55" E 119.92'
PID# 21715131
ARTHUR L. SNUGGS
D.B. 8213 PG. 437
P.B. 17 PG. 607
LOT# 102
PID# 21715152
PALISADES NC II LLC
D.B. 31837 PG. 457
P.B. 55 PG. 38
LOT# 4
LAKE WYLIE
D.B. 347 PG. 344
FRANK HUNT RD.
APPROX. LOCATION OF 100' FLOW LINE PER FEMA FIRM
IRRIGATION HEAD
IRRIGATION LINE
WATER WELL HSE.
WELL
PID# 21715129
BLUE PINE LLC
D.B. 35685 PG. 339
P.B. 55 PG. 387
LOT# 99
House Site
2339
Proposed Well
Pressure line easement. Field staked by surveyor.
COMMON OPEN SPACE
4.8672 Acres Total
212015.19 Sq. Feet
NCGS "LINCOLN A"
N = 483,833.57
E = 1,393,488.82
NCGS "MCNEES"
N = 481,203.87
E = 1,393,309.98
LOT 100
0.6601 Acres
28753.07 Sq. Feet
FPE = 572.0'
PID# 21715127
CARI GARCIA
D.B. 31191 PG. 916
P.B. 69 PG. 17
LOT# D
LANDOVER RD.
60' PUBLIC R/W
(NOT OPEN)
SFE
100
1.2658 Acres
55137.26 Sq. Feet
SFE
101B
1.1241 Acres
48988.01 Square Feet
Proposed Septic Area
SFE
101C
1.0236 Acres
44599.86 Square Feet
Proposed Septic Area
PID# 21715178
JAMES L. ROLEY
D.B. 36400 PG. 80
P.B. 69 PG. 17
LOT# F
PID# 21715179
HOBERT J. TELLER
D.B. 32463 PG. 365
P.B. 69 PG. 17
LOT# E
PID# 21715150
BILLIE P. BEVANS
D.B. 28006 PG. 389
MAP 54 PG. 583
LOT# 2
GRAVEL DR.
NOTE: THIS PROPERTY IS LOCATED WITHIN THE LOWER LAKE WYLIE WATERSHED CRITICAL AREA.
NOTE:
THE FOLLOWING GENERAL DRAINAGE AND UTILITIES EASEMENTS ARE DEDICATED IN ADDITION TO THE GMES SHOWN: 10' ALONG ALL REAR AND EXTERIOR LOT LINES; 5' EACH SIDE OF ALL INTERIOR LOT LINES.
NO GEODETIC MONUMENTATION WITHIN 2,000 FEET OF SUBJECT PROPERTY.
I HEREBY CERTIFY THAT THE SUBJECT PROPERTY (X) IS ( ) NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY N.C. FEMA PANEL #3710348800J EFFECTIVE DATE: 3/3/2009 (NO FLOOD SURVEY MADE).
PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY OR EASEMENTS NOT OBSERVED.
I, FRANKLIN E. TANNER, CERTIFY TO ONE OR MORE OF THE FOLLOWING AS INDICATED BY AN "X"
_____ A. THAT THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LANDS WITHIN AN AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES LAND.
_____ B. THAT THIS PLAT IS OF A SURVEY THAT IS LOCATED IN SUCH PORTION OF A COUNTY OR MUNICIPALITY THAT IS UNREGULATED AS TO AN ORDINANCE THAT REGULATES PARCELS OF LAND.
_____ C. ANY ONE OF THE FOLLOWING:
_____ 1. THAT THIS PLAT IS OF A SURVEY OF EXISTING PARCEL OR PARCELS OF LAND, AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.
_____ 2. THAT THIS PLAT IS OF AN EXISTING BUILDING OR OTHER STRUCTURE, OR NATURAL FEATURE, SUCH AS A WATERCOURSE.
_____ 3. THAT THIS IS A RESULT OF CONTROL SURVEY.
X D. THAT THIS PLAT IS OF A SURVEY OF ANOTHER CATEGORY, SUCH AS: THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.
_____ E. THAT THE INFORMATION AVAILABLE TO THIS SURVEYOR IS SUCH THAT I AM UNABLE TO MAKE A DETERMINATION TO THE BEST OF MY PROFESSIONAL ABILITY AS TO THE PROVISIONS CONTAINED IN (A) THROUGH (D) ABOVE.
I, FRANKLIN E. TANNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK ____, AS SHOWN), PAGE ____ (ETC.) (OTHER); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK 55, SHOWN, PAGE ____ AS SHOWN; THAT THE RATIO OF PRECISION AS CALCULATED IS 1: 20,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY HAND AND SEAL THIS 31ST DAY OF MARCH, 2022
NORTH CAROLINA PROFESSIONAL SEAL L-2534 LAND SURVEYOR FRANKLIN E. TANNER
FRANKLIN E. TANNER P.L.S. # 2534
FILED FOR REGISTRATION
APR 04 2022
AT 10:15 A.M.
MECKLENBURG COUNTY, N.C.
MAP BOOK 70 PAGE 487
2022051474
NC GRID
REF: NAD 83 (2011)
LINE | BEARING | DISTANCE
L1 | S 84°22'44" E | 31.47'
L2 | S 83°34'51" E | 20.40'
L3 | S 78°23'08" E | 68.43'
L4 | S 77°50'24" E | 16.70'
L5 | S 64°18'05" E | 27.00'
L6 | S 60°37'27" E | 19.91'
L7 | N 64°28'02" E | 10.30'
L8 | N 64°11'04" E | 30.40'
L9 | N 65°03'05" E | 9.91'
L10 | N 69°48'19" E | 51.50'
L11 | N 84°49'37" E | 38.70'
L12 | N 23°08'05" W | 48.14'
L13 | S 84°57'59" W | 6.35'
CURVE | ARC LENGTH | RADIUS | CHORD BEARING | CHORD LENGTH
C1 | 76.86' | 127.31' | S 49°14'55" W | 75.70'
C2 | 40.44' | 127.31' | S 75°48'45" W | 40.27'
C3 | 58.70' | 206.49' | N 78°31'25" E | 58.51'
C4 | 99.62' | 141.03' | S 59°45'13" W | 96.62'
C5 | 13.59' | 146.49' | N 81°35'35" E | 13.59'
C6 | 30.93' | 187.31' | N 80°09'01" E | 30.89'
C7 | 123.14' | 167.31' | S 56°35'17" W | 120.93'
C8 | 229.51' | 214.59' | N 87°11'48" E | 218.72'
PURPOSE STATEMENT
THIS PLAT IS FOR THE RECOMBINATION OF LOTS 100A, 100B, 101A, 101B & 101C OF MAP BOOK 34 PAGE 939 AND MAP BOOK 34 PAGE 870.
THE PURPOSE FOR ESTABLISHING THE COMMON OPEN SPACE IS TO UTILIZE AND MAINTAIN SEPTIC FIELD EASEMENTS FOR RECOMBINED LOTS.
ZONED R-5
FRONT SETBACK = 20'
REAR SETBACK = 35'
SIDE SETBACK = 5'
RETURN COPY TO:
TANNER AND MCCONNAUGHEY, P.A.
1361 - C EAST GARRISON BLVD.
GASTONIA, NC 28054
"RECOMBINATION PLAT LOTS 100A & 100B, 101A, 101B & 101C"
CITY OF CHARLOTTE
STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.
Survey made at the request of Dave Hoyle Jones
WARLICK & HOYLE INVESTMENT PROPERTIES LLC
Scale: 1"=40'
Date: FEB. 9, 2022
REV: MARCH 22, 2022
REV: MARCH 24, 2022
REV: MARCH 28, 2022
Survey By REV: MARCH 31, 2022
TANNER AND McCONNAUGHEY, P.A.
Professional Surveyors
1361-C E. Garrison Blvd, Gastonia, N.C.
(704) 866-8421 OR (704) 864-2611
101A, 101B, 101C
D.B. 28944, PG. 745 Lots 100A, 100B
Subd. WOLF INVESTMENTS P.B. 55 PG. 387
Tax Map # Page Parcel
PID# 21715169, 21715166, 21715167, 21715172, 21715171, 21715153
40 0 20 40 80 160
GRAPHIC SCALE - FEET
FILE: 21715169-HOYLE-120821

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Fredrick Smith
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2022051474

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 16914 Landover Road; Lot 101A; PID# 21715167
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Michael Morgan APPLICATION DATE:
ADDRESS: 16301 Woolwine Road Charlotte, NC 28278 DATE EVALUATED: 6/2023
PROPOSED FACILITY: 5 Bedroom Residence PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 0.44 Acres
LOCATION OF SITE: 16914 Landover Road Charlotte, NC PROPERTY RECORDED: 4/4/2022
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS / COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
AB 1	L 29-30%	0"-24"	R C SBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 24"-48"		0.3+
		24"-48"	R CL WSBK	SS SP FR SEXP					
AB 2	L 29-30%	0"-25"	R C SBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 25"-48"		0.3+
		25"-48"	R CL WSBK	SS SP FR SEXP					
AB 3	L 29-30%	0"-8"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 25"-48"		0.3+
		8"-27"	R C SBK	SS SP FR SEXP					
		27"-48"	R CL WSBK	SS SP FR SEXP					
AB 4	L 29-30%	0"-13"	Br CL WSBK	SS SP FR SEXP		48"			0.3
		13"-48"	R C SBK	SS SP FR SEXP					
AB 5	L 29-30%	0"-25"	R C SBK	SS SP FR SEXP		60"	Few to common saprolite inclusions 25"-60"		0.3+
		25"-60"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1500 FT2	1038ft2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

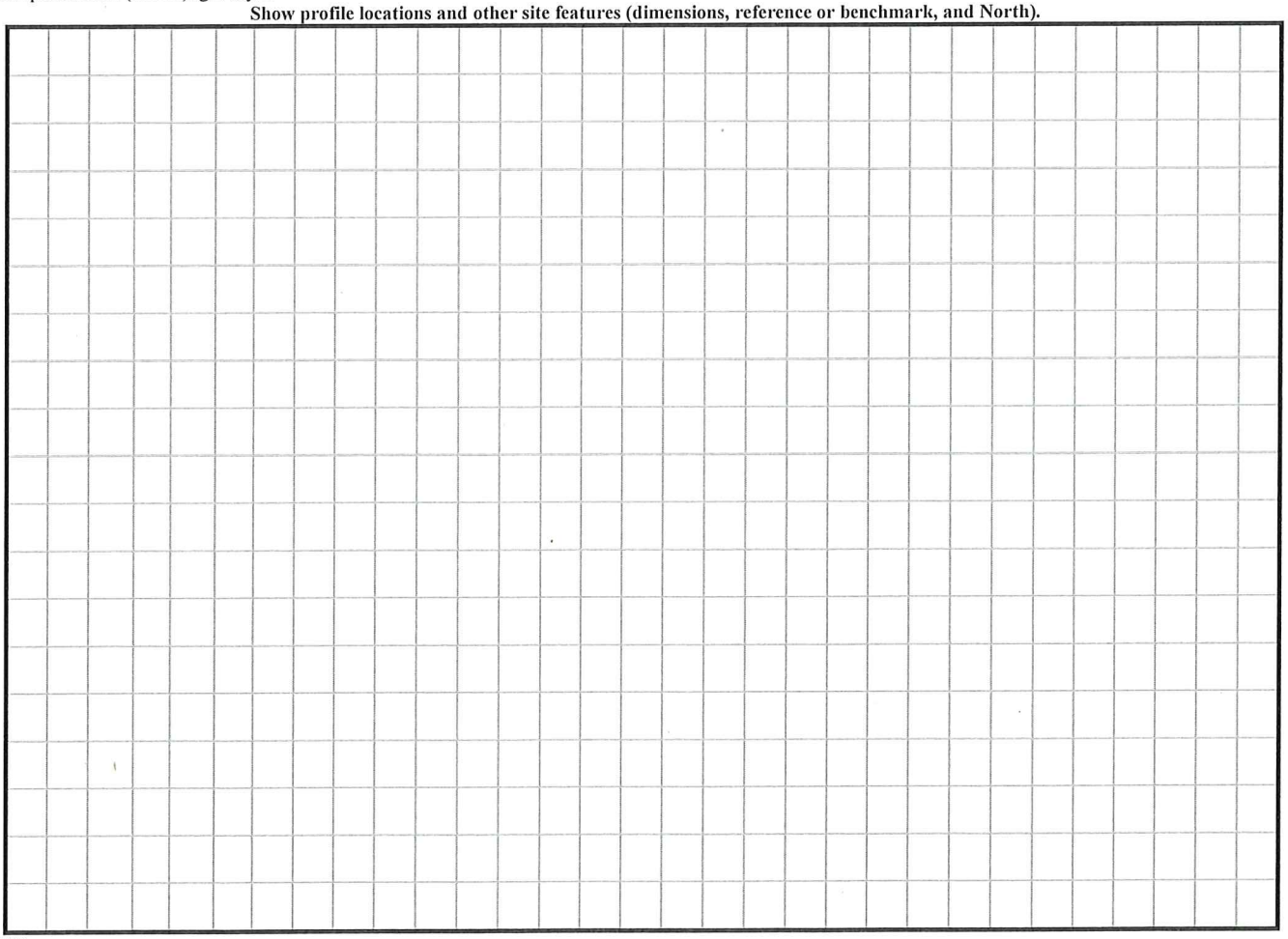
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
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), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)

Review (#####)

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

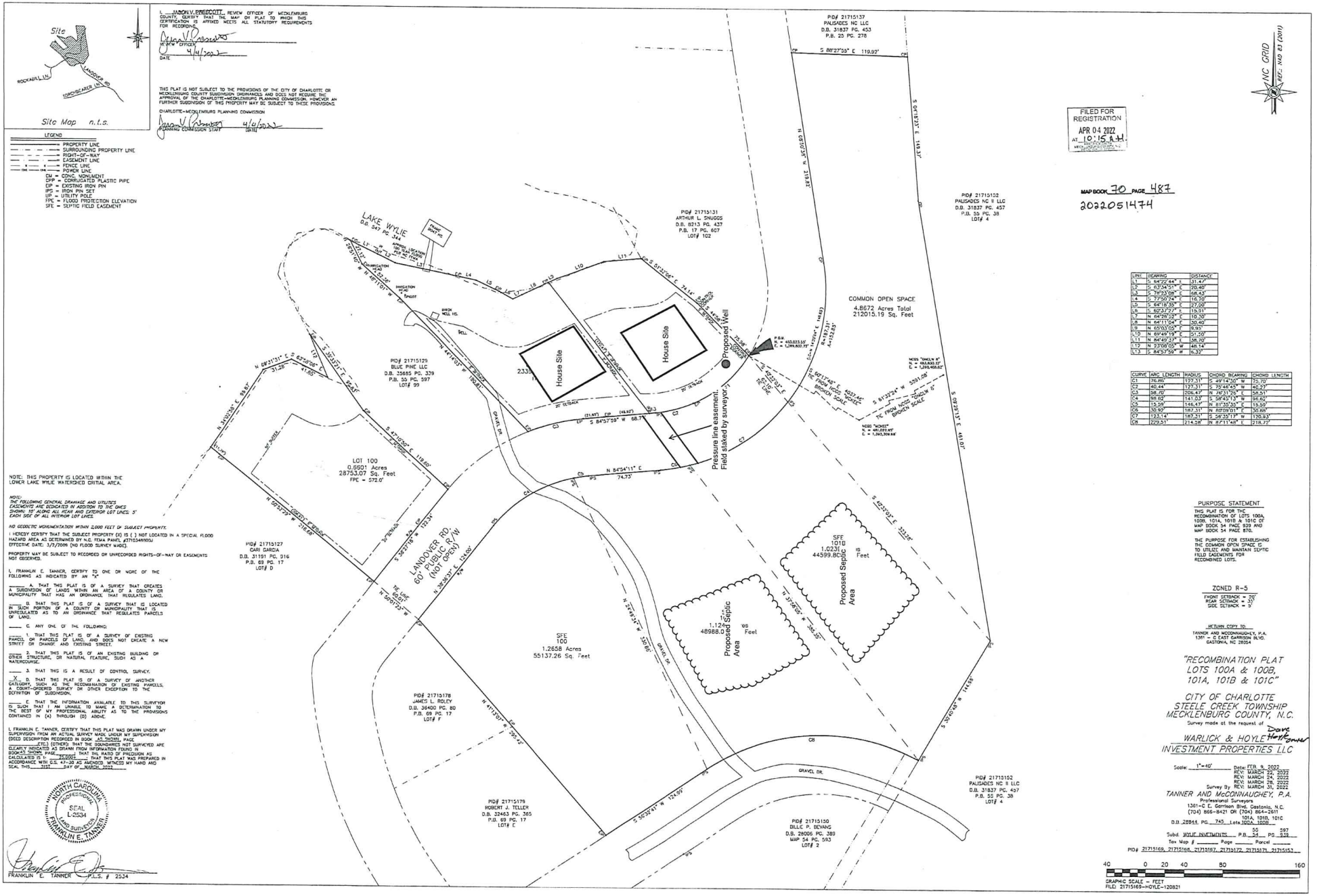
PROPERTY ID #: 16914 Landover Road; Lot 101A; PID# 21715167
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM cont.

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS / COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
Pit 1	L 29-30%	0"-23"	R C SBK	SS SP FR SEXP		53"	Few to common saprolite inclusions 23"-53"		0.3+
		23"-53"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 29-30%	0"-6"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 40"-48"		0.3
		6"-40"	R C SBK	SS SP FR SEXP					
		40"-48"	R CL WSBK	SS SP FR SEXP					

Comments:

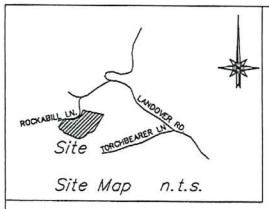
B70 - P 487



LINE	BEARING	DISTANCE
L1	S 84°22'44" E	31.47'
L2	S 63°34'51" E	20.40'
L3	S 76°23'08" E	68.43'
L4	S 77°50'24" E	16.70'
L5	S 64°18'35" E	27.00'
L6	S 82°37'27" E	15.31'
L7	N 64°28'23" E	10.30'
L8	N 64°11'04" E	30.40'
L9	N 65°03'05" E	9.91'
L10	N 69°49'19" E	51.50'
L11	N 84°49'37" E	58.70'
L12	N 23°08'05" W	48.14'
L13	S 84°57'59" W	6.32'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	76.86'	127.31'	S 49°14'30" W	75.70'
C2	40.44'	127.31'	S 75°48'45" W	40.27'
C3	58.70'	206.47'	N 76°31'26" E	58.51'
C4	98.62'	141.03'	S 58°43'13" W	96.62'
C5	15.59'	146.47'	N 81°35'35" E	15.59'
C6	30.92'	187.31'	N 80°09'01" E	30.89'
C7	123.14'	187.31'	S 58°35'17" W	120.93'
C8	220.31'	214.28'	N 82°11'48" E	218.72'

PURPOSE STATEMENT
THIS PLAT IS FOR THE RECOMBINATION OF LOTS 100A, 100B, 101A, 101B & 101C OF MAP BOOK 54 PAGE 939 AND MAP BOOK 54 PAGE 870.
THE PURPOSE FOR ESTABLISHING THE COMMON OPEN SPACE IS TO UTILIZE AND MAINTAIN SEPTIC FIELD EASEMENTS FOR RECOMBINED LOTS.
ZONED R-5
FRONT SETBACK = 20'
REAR SETBACK = 35'
SIDE SETBACK = 5'
RETURN COPY TO:
TANNER AND MCCONNAUGHEY, P.A.
1301 - C EAST GARRISON BLVD.
GASTONIA, NC 28054
"RECOMBINATION PLAT LOTS 100A & 100B, 101A, 101B & 101C"
CITY OF CHARLOTTE
STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.
Survey made at the request of
WARLICK & HOYLE INVESTMENT PROPERTIES LLC
Scale: 1"=40' Date: FEB. 9, 2022
REV: MARCH 22, 2022
REV: MARCH 24, 2022
REV: MARCH 28, 2022
Survey By REV: MARCH 31, 2022
TANNER AND McCONNAUGHEY, P.A.
Professional Surveyors
1301-C E. Garrison Blvd. Gastonia, N.C.
(704) 866-8421 OR (704) 864-2611
D.B. 28944, PG. 745 Lots 100A 100B 101A, 101B, 101C
Subd. WOLF INVESTMENTS P.B. 54 PG. 939
Tax Map # 55 Page 597 Parcel
PID# 21715169, 21715166, 21715167, 21715172, 21715171, 21715153
40 0 20 40 80 160
GRAPHIC SCALE - FEET
FILE: 21715169-HOYLE-120821



LEGEND
- PROPERTY LINE
- SURROUNDING PROPERTY LINE
- RIGHT-OF-WAY
- x x FENCE LINE
- OHE OHE POWER LINE
- CM = CONC. MONUMENT
- CPP = CORRUGATED PLASTIC PIPE
- EIP = EXISTING IRON PIN
- IPS = IRON PIN SET
- UP = UTILITY POLE
- FPE = FLOOD PROTECTION ELEVATION

LINE	BEARING	DISTANCE
L1	S 62°13'27" W	37.35'
L2	S 74°57'16" W	29.75'
L3	S 39°13'07" W	37.09'
L4	S 58°29'06" W	21.30'
L5	S 61°11'58" W	22.41'
L6	S 80°39'34" W	16.20'
L7	N 35°31'04" W	5.46'
L8	S 85°19'16" W	3.19'
L9	S 31°44'28" W	9.35'
L10	S 81°30'52" W	15.14'
L11	N 73°32'05" W	20.09'
L12	N 63°22'58" W	28.14'
L13	N 53°11'03" W	12.48'
L14	N 70°16'34" W	18.53'
L15	N 70°16'34" W	18.24'
L16	N 69°55'30" W	35.27'
L17	N 64°43'03" W	37.21'
L18	N 24°36'45" W	14.16'
L19	N 73°18'09" W	14.89'
L20	N 59°54'25" W	18.36'
L21	N 36°54'01" W	10.79'
L22	N 23°02'03" W	23.28'
L23	N 00°48'30" E	11.03'
L24	N 02°01'41" E	13.18'

NOTE: THIS PROPERTY IS LOCATED WITHIN THE LOWER LAKE WYLIE WATERSHED CRITIAL AREA.

NOTE:
THE FOLLOWING GENERAL DRAINAGE AND UTILITIES EASEMENTS ARE DEDICATED IN ADDITION TO THE ONES SHOWN: 10' ALONG ALL REAR AND EXTERIOR LOT LINES; 5' EACH SIDE OF ALL INTERIOR LOT LINES.

NO GEODETIC MONUMENTATION WITHIN 2,000 FEET OF SUBJECT PROPERTY.

I HEREBY CERTIFY THAT THE SUBJECT PROPERTY (X) IS ( ) NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY N.C. FEMA PANEL #3710348800J EFFECTIVE DATE: 3/2/2009 (NO FLOOD SURVEY MADE).

PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY OR EASEMENTS NOT OBSERVED.

I, FRANKLIN E. TANNER, CERTIFY TO ONE OR MORE OF THE FOLLOWING AS INDICATED BY AN "X"

____ A. THAT THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LANDS WITHIN AN AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES LAND.

____ B. THAT THIS PLAT IS OF A SURVEY THAT IS LOCATED IN SUCH PORTION OF A COUNTY OR MUNICIPALITY THAT IS UNREGULATED AS TO AN ORDINANCE THAT REGULATES PARCELS OF LAND.

____ C. ANY ONE OF THE FOLLOWING:

____ 1. THAT THIS PLAT IS OF A SURVEY OF EXISTING PARCEL OR PARCELS OF LAND, AND DOES NOT CREATE A NEW STREET OR CHANGE AND EXISTING STREET.

____ 2. THAT THIS PLAT IS OF AN EXISTING BUILDING OR OTHER STRUCTURE, OR NATURAL FEATURE, SUCH AS A WATERCOURSE.

____ 3. THAT THIS IS A RESULT OF CONTROL SURVEY.

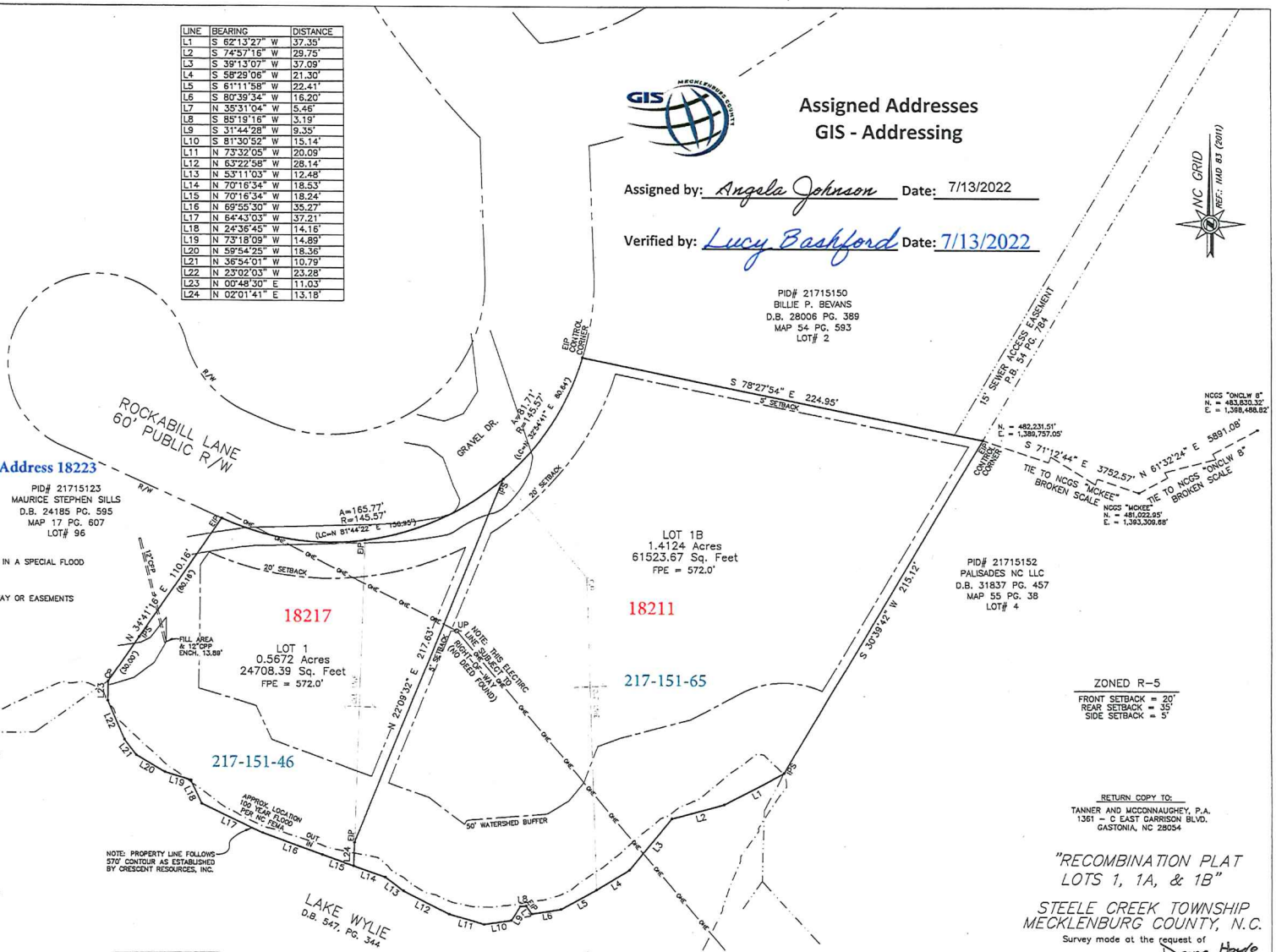
__X__ D. THAT THIS PLAT IS OF A SURVEY OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.

____ E. THAT THE INFORMATION AVAILABLE TO THIS SURVEYOR IS SUCH THAT I AM UNABLE TO MAKE A DETERMINATION TO THE BEST OF MY PROFESSIONAL ABILITY AS TO THE PROVISIONS CONTAINED IN (A) THROUGH (D) ABOVE.

I, FRANKLIN E. TANNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK AS SHOWN, PAGE ____ ETC.) (OTHER); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK AS SHOWN PAGE ____; THAT THE RATIO OF PRECISION AS CALCULATED IS 1: 25,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY HAND AND SEAL THIS 31ST DAY OF MARCH, 2022

NORTH CAROLINA PROFESSIONAL SEAL L-2534 LAND SURVEYOR FRANKLIN E. TANNER

FRANKLIN E. TANNER – P.L.S. # 2534



ZONED R-5
FRONT SETBACK = 20'
REAR SETBACK = 35'
SIDE SETBACK = 5'

FILED FOR REGISTRATION
APR 04 2022
AT 10:09 A.M.
REGISTER OF DEEDS MECKLENBURG COUNTY, N.C.

MAP BOOK 70 PAGE 485

2022051469

I, JASON V. PRESCOTT REVIEW OFFICER OF MECKLENBURG COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

REVIEW OFFICER

DATE 4/4/2022

THIS PLAT IS NOT SUBJECT TO THE PROVISIONS OF THE CITY OF CHARLOTTE OR MECKLENBURG COUNTY SUBDIVISION ORDINANCES AND DOES NOT REQUIRE THE APPROVAL OF THE CHARLOTTE-MECKLENBURG PLANNING COMMISSION. HOWEVER AN FURTHER SUBDIVISION OF THIS PROPERTY MAY BE SUBJECT TO THESE PROVISIONS.

CHARLOTTE-MECKLENBURG PLANNING COMMISSION

PLANNING COMMISSION STAFF DATE: 4/4/2022

Assigned Addresses
GIS - Addressing

Assigned by: Angela Johnson Date: 7/13/2022

Verified by: Lucy Bashford Date: 7/13/2022

RETURN COPY TO:
TANNER AND MCCONNAUGHEY, P.A.
1361 - C EAST GARRISON BLVD.
GASTONIA, NC 28054

"RECOMBINATION PLAT
LOTS 1, 1A, & 1B"

STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.

Survey made at the request of Dave Hoyle
WARLICK & HOYLE owner
INVESTMENT PROPERTIES LLC

Scale: 1"=40' Date: FEB. 4, 2022
Survey By REV: MARCH 11, 2022
REV: MARCH 31, 2022

TANNER AND McCONNAUGHEY, P.A.
Professional Surveyors
1361-C E. Garrison Blvd. Gastonia, N.C.
(704) 866-8421 OR (704) 864-2611

D.B. 28844 PG. 745 Lots 1A, 1B Block 1
Subd. WYLIE INVETMENTS P.B. 54 PG. 784
Tax Map # ____ Page ____ Parcel ____
PID# 21715165, 21715166, 21715146

40 0 20 40 80 160
GRAPHIC SCALE – FEET
FILE: 21715169-HOYLE-090319

FOR REGISTRATION
Fredrick Smith
REGISTER OF DEEDS
Mecklenburg County, NC
2022 APR 04 10:09:38 AM
BK:70 PG:485-486
FEE:$21.00
INSTRUMENT # 2022051469

PETERSAL

2022051469

For Registration
Fredrick Smith
Register of Deeds
Mecklenburg County, NC
Electronically Recorded
2022 May 25 11:18 AM RE Excise Tax: $ 0.00
Book: 37368 Page: 93 - 102 Fee: $ 26.00
Instrument Number: 2022079323

Fredrick Smith

Drawn by and return to:
McMillan, Psaroudis & Markey, PA (wtw)
6101 Carnegie Blvd., Suite 310
Charlotte, NC 28209

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG)

EASEMENT AGREEMENT

This EASEMENT AGREEMENT ("Agreement") made and entered into this 19 day of May 2022, by and between Daniel Daywalt (herein as "Daywalt"), Brian Thomas Feck and wife Carolyn Dale Feck (herein as "Feck"), Gerard Szatkowski and wife Alice Szatkowski (collectively "Szatkowski") Michael Morgan (herein as "Morgan") Gregory Thomas Beaton and wife Maureen Anne Beaton (collectively "Beaton") and Patrick J. Staub and wife Beatriz C. Staub (collectively "Staub") (Daywalt, Feck, Szatkowski, Morgan, Beaton and Staub are each a "Party" to this Agreement and may be referred to collectively herein as the "Parties").

RECITALS

WHEREAS, Daywalt, Szatkowski and Feck are the joint owners of that tract of land lying and being in the City of Charlotte, Mecklenburg County, North Carolina, and being more particularly described as: Being all of that tract shown as Common Open Space on that plat entitled "Recombination Plat Lots 100A & 100B, 101A, 101B & 101C" recorded in Plat Book 70 at Page 487 in the Office of the Register of Deeds for Mecklenburg County, said tract being 4.8672 acres, more or less ("Open Space"); and

WHEREAS, the plat referenced in the foregoing legal description shall be identified herein as the "Plat" and is attached hereto as Exhibit A, said Plat showing the location of the Open Space as well as those vacant Lots 100, 101A and 101B; and

WHEREAS, Lot 100 on the Plat is owned by Szatkowski, Lot 101A on the Plat is owned by Morgan and Lot 101B is owned by Feck; and

WHEREAS, within the Open Space there are anticipated septic fields notated on the Plat as SFE 100, SFE 101A and SFE 101B; and

WHEREAS, each aforementioned septic field is set aside for use by its corresponding Lot, so that SFE 100 services Lot 100, SFE 101A services Lot 101A and SFE 101B services Lot 101B; and

WHEREAS, all that remaining portion of the Open Space not having been identified on the Plat as

Submitted electronically by "McMillan Psaroudis & Markey, PA"
in compliance with North Carolina statutes governing recordable documents
and the terms of the submitter agreement with the Mecklenburg County Register of Deeds.

SFE 100, SFE 101A or SFE 101B, shall serve as the septic field for the following two described parcels of property, said parcels being particularly described by metes and bounds as follows: Beginning at a point, said point marking the southwestern corner of that property having 1) that property being all of Lot 1 as shown on that plat entitled "Recombination Plat Lots 1, 1A & 1B" recorded in Plat Book 70 at Page 485 in the Office of the Register of Deeds for Mecklenburg County ("Beaton Lot"), said property being owned by Beaton; and 2) that property being all of Lot 1B as shown on that plat entitled "Recombination Plat Lots 1, 1A & 1B" recorded in Plat Book 70 at Page 485 in the Office of the Register of Deeds for Mecklenburg County ("Staub Parcel"), said property being owned by Staub; and

WHEREAS, along the northern boundary of the Open Space there is a road identified on the Plat as Landover Road (herein "Road"), which Road has yet to be approved and accepted by the applicable governing body having jurisdiction and control over the maintenance and dedication over said Road; and

EASEMENT

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties, their successors and assigns, do grant unto each other an exclusive easement over, upon, under, through and across the aforementioned Open Space, for the following purposes and to the extent as set out herein:

1) The Parties do grant unto Szatkowski the right to install and maintain a septic system and/or septic lines in the area notated as SFE 100 on the Plat to service Lot 100, along with a right to use SFE 100 for the transmission and deposit of waste, and a general right of egress and ingress to travel upon the Open Space, including SFE 100, for the purpose of such installation and maintenance; and

2) The Parties do grant unto Morgan the right to install and maintain a septic system and/or septic lines in the area notated as SFE 101A on the Plat to service Lot 101A, along with a right to use SFE 101A for the transmission and deposit of waste, and a general right of egress and ingress to travel upon the Open Space, including SFE 101A, for the purpose of such installation and maintenance; and

3) The Parties do grant unto Beck the right to install and maintain a septic system and/or septic lines in the area notated as SFE 101B on the Plat to service Lot 101B, along with a right to use SFE 101B for the transmission and deposit of waste, and a general right of egress and ingress to travel upon the Open Space, including SFE 101B, for the purpose of such installation and maintenance; and

4) The Parties do grant unto Staub and Beaton the right to install and maintain a septic system and/or septic lines in all that area of the Open Space not notated as SFE 100, 101A or 101B on the Plat, to service Beaton's Lot and Staub's Parcel, along with a right to use said portion of the Open Space for the transmission and deposit of waste, and a general right of egress and ingress to travel upon the Open Space, including SFE 101B, for the purpose of such installation and maintenance; and

5) The Parties grant unto each other a right of egress and ingress with respect to the Road and utilizing the Road to connect to adjoining rights-of-way and/or thoroughfares. Until such time as the Road is accepted for dedication by the applicable governing authority, the maintenance of the Road, and any cost associated therewith, shall be equally shared among

the Parties herein.

The Parties shall retain the right to use the Open Space for any purpose not inconsistent with the uses herein granted unto each other. Each Party providing an easement to the other shall not obstruct, by means of constructing structures, fences or otherwise, the other Party's rights to use the easement area for the purposes granted herein.

These exclusive easements hereby reserved, and all agreements and terms set forth herein, shall run with the land and shall be binding upon all subsequent owners of the property over which the above-described easements extend until the occurrence of both of the following two events, at which point this Agreement and the easements herein shall automatically terminate: 1) the Open Space is approved for subdivision and subsequently subdivided so that each septic field herein described is its own singular parcel, and each subdivided parcel is then conveyed to the corresponding Lot owners; and 2) Landover Road is either abandoned or accepted for dedication by the applicable governing authority. In the event both instances do not occur, this easement may only be terminated by means of a signed, written document of record by and between all of the Parties herein, their successors and assigns, as the case may be.

SIGNATURE PAGES TO FOLLOW

PARTY TO AGREEMENT:

_____ (Seal) Date: 5-19-2022
Gregory Thomas Beaton

_____ (Seal) Date: 5-19-2022
Maureen Anne Beaton

STATE OF NC

COUNTY OF Mecklenburg

I, Ezio J Palomeque, a Notary Public for Mecklenburg County and the aforesaid State, do hereby certify that Gregory Thomas Beaton and Maureen Anne Beaton, either being personally known to me or proven by satisfactory evidence, personally appeared before me this day and acknowledged that he voluntarily executed the foregoing instrument for the purposes stated therein.

Witness my hand and official seal, this 19 day of May, 2022.

_____
Notary Public

My Commission Expires: Aug 11, 2024

Ezio J Palomeque
NOTARY PUBLIC
Union County, NC
My Commission Expires August 11, 2024

PARTY TO AGREEMENT:

Patrick J. Staub (Seal) Date: 5/19/22

Patrick J. Staub

Beatriz C. Staub (Seal) Date: 5/19/22

Beatriz C. Staub

STATE OF SC

COUNTY OF YORK

I, WALTER Simpson, a Notary Public for Mecklenburg County and the aforesaid State, do hereby certify that Patrick J. Staub and Beatriz C. Staub, either being personally known to me or proven by satisfactory evidence, personally appeared before me this day and acknowledged that he voluntarily executed the foregoing instrument for the purposes stated therein.

Witness my hand and official seal, this 19 day of May, 2022.

Notary Public

My Commission Expires: 3-18-31

WALTER SIMPSON NOTARY PUBLIC SOUTH CAROLINA

PARTY TO AGREEMENT:

_____(Seal) Date: 5-15-22
Brian Thomas Feck

_____(Seal) Date: 5-15-22
Carolyn Dale Feck

STATE OF North Carolina

COUNTY OF Mecklenburg

I, Katherine E. Lie, a Notary Public for Mecklenburg County and the aforesaid State, do hereby certify that Brian Thomas Feck and Carolyn Dale Feck, either being personally known to me or proven by satisfactory evidence, personally appeared before me this day and acknowledged that he voluntarily executed the foregoing instrument for the purposes stated therein.

Witness my hand and official seal, this 15th day of May, 2022.

_____
Notary Public

My Commission Expires: 10/25/25

KATHERINE E LIE NOTARY PUBLIC MECKLENBURG COUNTY, NC

PARTY TO AGREEMENT:

Gerard Szatkowski (Seal) Date: 5/19/22

Alice Szatkowski (Seal) Date: 5/19/22

STATE OF SC

COUNTY OF York

I, Daphne Chisholm, a Notary Public for Mecklenburg County and the aforesaid State, do hereby certify that Gerard Szatkowski and Alice Szatkowski, either being personally known to me or proven by satisfactory evidence, personally appeared before me this day and acknowledged that he voluntarily executed the foregoing instrument for the purposes stated therein.

Witness my hand and official seal, this 19th day of May, 2022.

Notary Public

DAPHNE D. CHISHOLM NOTARY PUBLIC SOUTH CAROLINA

My Commission Expires:

My Commission Expires September 7, 2022

SIGNATURE PAGES TO FOLLOW

IN WITNESS WHEREOF, the Parties have hereunto set their hands and seals as of the date set opposite their names.

PARTY TO AGREEMENT:

_____(Seal) Date: 5/19/22
Daniel Daywalt

Lindsey Daywalt (Seal) Date: 5-19-22
Lindsey J. Daywalt

STATE OF South Carolina

COUNTY OF York

I, Paul W. Correll, a Notary Public for ~~Mecklenburg~~ York County and the aforesaid State, do hereby certify that Daniel Daywalt and Lindsey J. Daywalt, either being personally known to me or proven by satisfactory evidence, personally appeared before me this day and acknowledged that he voluntarily executed the foregoing instrument for the purposes stated therein.

Witness my hand and official seal, this 19 day of May, 2022.

Paul W. Correll
Notary Public

PAUL W CORRELL
Notary Public
State of South Carolina
My Commission Expires Nov. 3, 2031

My Commission Expires: 11-03-2031

PARTY TO AGREEMENT:

PARTY TO AGREEMENT:

Michael Morgan (Seal) Date: 05/20/2022

Chanda J. Morgan (Seal) Date: 5/20/22

STATE OF North Carolina

COUNTY OF Mecklenburg

I, William T. Wallace, a Notary Public for Mecklenburg County and the aforesaid State, do hereby certify that Michael Morgan and Chanda J. Morgan, either being personally known to me or proven by satisfactory evidence, personally appeared before me this day and acknowledged that he voluntarily executed the foregoing instrument for the purposes stated therein.

Witness my hand and official seal, this 20th day of May, 2022.

Notary Public

My Commission Expires: 05/30/2022

William T. Wallace
Notary Public
Mecklenburg County
North Carolina
My Commission Expires 05/30/2022

FEE: 200.00

DATE: 4/9/2025

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 8814B

PERMIT NUMBER: 30013923

PARCEL NUMBER: 21715167

JOB LOCATION INFORMATION

ADDRESS: 16914 LANDOVER RD

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28278

ISSUED TO: MICHAEL MORGAN

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/16/2024

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30013923, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, AND MAY BE ISSUED AT THE SAME TIME THE IMPROVEMENT PERMIT IS ISSUED.

Authorized Agent Signature _____

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/15/24	**Amount:**	200.00
Receipt #:	151264	**Tendered:**	200.00
Check / Auth #:	VISA 05836D	**Returned:**	0.00
Received By:	ORTIZMP		

Account Information

Account #: 200000
Contractor: EDWARD HEBB
Attn:
Address: 16914 LANDOVER RD
Address:
City/State/Zip: CHARLOTTE, NC 28278

Item	Description	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 16914 LANDOVER RD	1	200.00	200.00

Permit#

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
				2,737.50	

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/15/24	**Amount:**	200.00
Receipt #:	151266	**Tendered:**	200.00
Check / Auth #:	VISA 05836D	**Returned:**	0.00
Received By:	ORTIZMP		

Account Information

Account #: 200000
Contractor: EDWARD HEBB
Attn:
Address: 16914 LANDOVER RD
Address:
City/State/Zip: CHARLOTTE, NC 28278

Item	Description	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 16914 LANDOVER RD	1	200.00	200.00

Permit#

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
				2,737.50	

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 # 8814B App# 13923 Tax Parcel# 217-151-67

Property Owner: Edward Hebb

Job Location Address: 16914 Landover Rd

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

12-18-24 — Date

Brian Richardson — 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

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

File #: 8814B Permit #: 13923 Tax Parcel #: 217-151-67

Property Owner: Edward Hebb

Job Location Address: 16914 Landover Rd

City: Charlotte State: NC Zip Code: 28278

Operation Permit Issuance Date: 12-18-24 Contractor Name: Brian Richardson

Permitted Design Flow: 600 GPD Liquid Capacity of Dosing Tank: 1500 gallons

Liquid Capacity of Septic Tank: 1500 gallons Tank Manufacture Norwelco Effluent Pump Model: HP Champion

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 500 feet

# of Lines: 5 @ Various feet

Depth of Media: 12 inches (Type) CHM-36

Depth of Cover: 18 inches

Distribution Device: pManifold

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: 10 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 50' feet

Inspection Dates

Tank(s) Inspected: 11-25-24

Excavation Inspected: 11-25-24

Pump & Controls Inspected: 12-18-24

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

See Attached

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: IIIb/P/CHM-36/OS/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 #: 3814B Permit #: 13923 Tax Parcel #: 217-151-67

Property Owner: Edward Hebb

Job Location Address: 16914 Landover Rd

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: IIIb

*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.

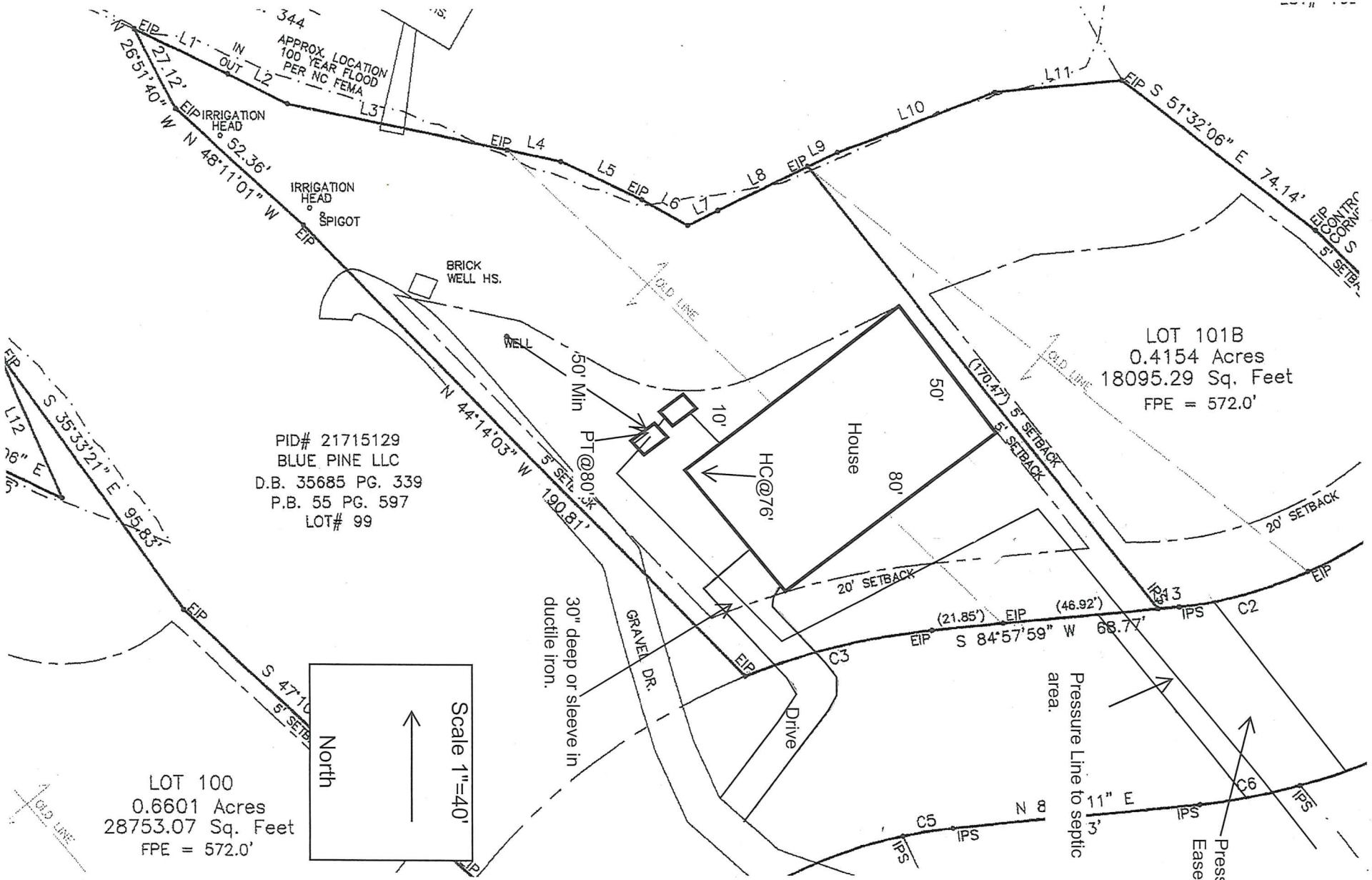
☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

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

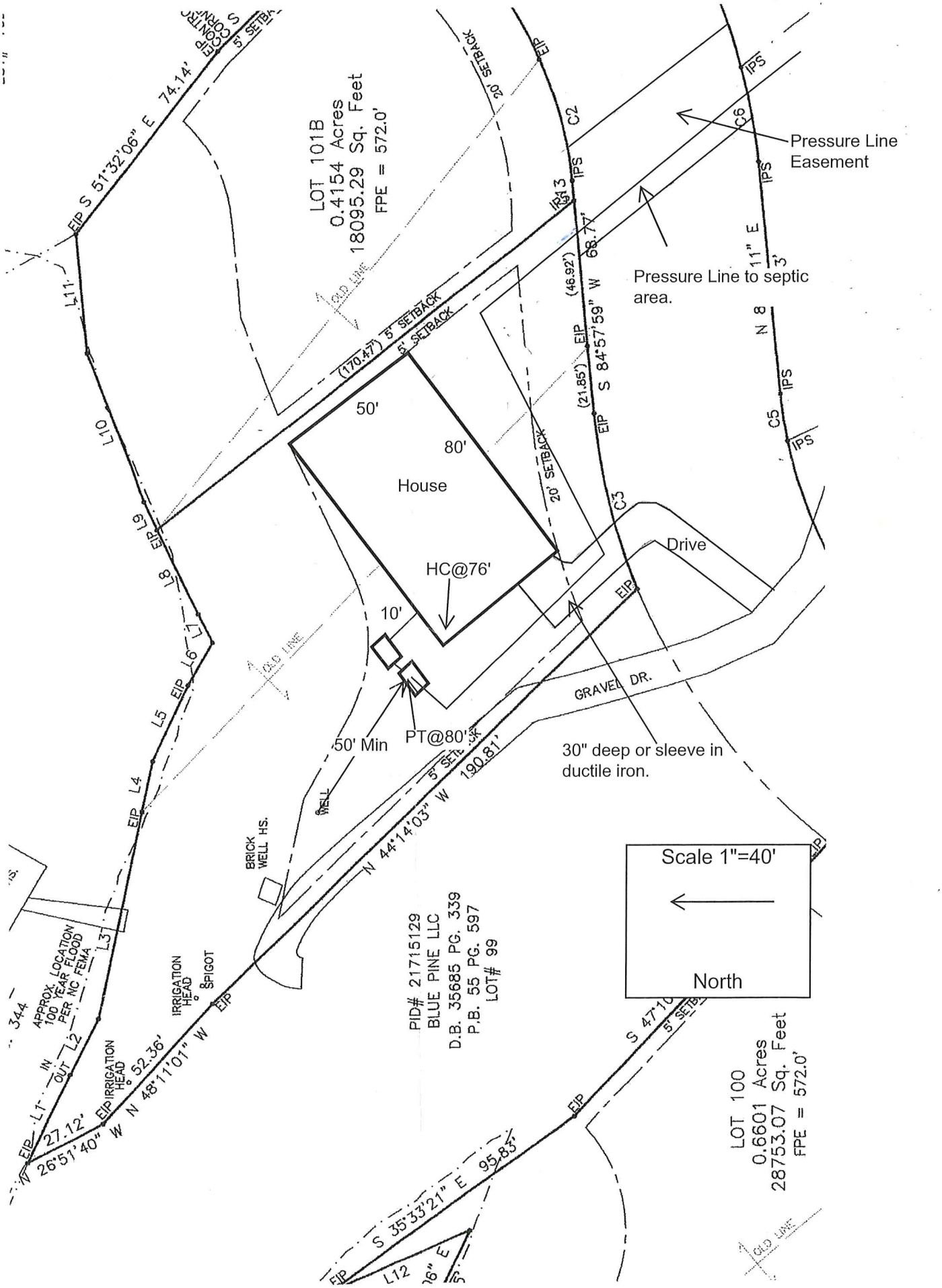
V. Other:

DENR Authorized Agent: April Bumgarner Date: 12-18-24

Signature: April Bumgarner


APPROX. LOCATION 100 YEAR FLOOD PER NC FEMA
IN
OUT
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
EIP
27.12'
N 26°51'40" W
52.36'
N 48°11'01" W
IRRIGATION HEAD
SPIGOT
BRICK WELL HS.
WELL
50' Min
PT@80'
HC@76'
10'
50'
80'
House
OLD LINE
(170.47')
5' SETBACK
20' SETBACK
S 51°32'06" E 74.14'
N 44°14'03" W 190.81'
S 35°33'21" E 95.83'
S 84°57'59" W 68.77'
(21.85')
(46.92')
C2
C3
C5
C6
IPS
IRF
PID# 21715129
BLUE PINE LLC
D.B. 35685 PG. 339
P.B. 55 PG. 597
LOT# 99
LOT 101B
0.4154 Acres
18095.29 Sq. Feet
FPE = 572.0'
LOT 100
0.6601 Acres
28753.07 Sq. Feet
FPE = 572.0'
GRAVEL DR.
Drive
30" deep or sleeve in ductile iron.
Pressure Line to septic area.
Pressure Line Easement
North
Scale 1"=40'

LOT# 2
MAP 54 PG. 593
D.B. 28006 PG. 389
BILLIE P. BEVANS
PID# 2171150
GRAVEL DR.
S 56°32'41" W 124.99'
EIP
IPS
BM@7'
AB#2
CB
15' Wide Pressure Line
Easement
Pit#2
B1
AB#1
P2
Pit#1
Existing Gravel Drive
Scale 1"=40'
North
W3
O4
PM@17.4'
AB#3
B5
AB#5
O6
W7
O8
B9
AB#4
W10
GRAVEL DR.
N 24°49'34" W 330.86'
N 37°58'05" W 385.35'
Pressure line from
house
SFE
1018
1.0239 Acres
44599.80 Sq. Feet
N 84°54'11" E
74.73'
IPS
C6


LOT 101B
0.4154 Acres
18095.29 Sq. Feet
FPE = 572.0'
Pressure Line Easement
Pressure Line to septic area.
House
50'
80'
HC@76'
10'
Drive
GRAVEL DR.
50' Min
PT@80'
30" deep or sleeve in ductile iron.
5' SETBACK
20' SETBACK
(170.47')
(46.92')
(21.85')
S 84°57'59" W 68.7'
N 44°14'03" W 190.81'
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WELL
IRRIGATION HEAD
SPIGOT
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C5
C6
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
L12

8814B

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) lw 10/14/13 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. ☐ _____ 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. ☐ _____

8814B

MECKLENBURG COUNTY
HEALTH DEPARTMENT App#6485

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ◉ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 217-151-67

STREET ADDRESS: Landover Road (no address assigned)

CITY: Charlotte

STATE: NC **ZIP:** 28278

SUBDIVISION NAME: n/a

LOT #: 101A (Lot 6) **LOT SIZE (acres):** 0.34

TOWNSHIP:

◉ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. BUILDING INFORMATION:

BUILDING TYPE:

○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER _____

HEATED SQUARE FOOTAGE: 4,000

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS: 6

FOUNDATION TYPE:

○ CONCRETE SLAB ◉ BASEMENT WITH PLUMBING
○ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ○ MUNICIPAL ○ PRIVATE WELL ○ PUBLIC WELL ◉ SHARED WELL ○ OTHER to be proposal at a later time

7. PROPOSED USE OF WELL: ○ N/A ○ IRRIGATION ◉ POTABLE (DRINKING WATER) ○ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED):*

☐ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☑ OTHER see attached MSI proposal

8A. RANK: ____ ____ ____ ____ ____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ◉ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ◉ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ◉ NO	JURISDICTIONAL WETLANDS	○ YES ◉ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ◉ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ◉ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ◉ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ◉ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ◉ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ○ NO
WASTE STORAGE	○ YES ◉ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ◉ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 1/22/13 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 10/28/03 ☐ N/A

12. PROPERTY OWNER:

NAME: Wylie Investments, LLC
ADDRESS: 5520 Sharon View Rd
CITY: Charlotte
STATE: NC ZIP: 28226
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Mountain Soils, Inc. (Steve Melin contact)
ADDRESS: 15 Lone Coyote Ridge
CITY: Fletcher
STATE: NC ZIP: 28732
WORK PHONE: (828) 551-9903
MOBILE PHONE: (828) 551-9903
FAX: _____
E-MAIL: sjmelin@earthlink.net

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. 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. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

sjm (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. 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. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

(Mountain Soils, Inc.)

Property Owner's or Owner's Legal Representative Signature

10/13/13
Date

OFFICE USE ONLY

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ○ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ 250 DATE FEE RECEIVED: 10/14/13

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: tws

GWS FILE NUMBER ASSIGNED: 88143

APPLICATION ID NUMBER ASSIGNED: 10455

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

MECKLENBURG COUNTY
Health Department

E. Winters Mabry, MD
Director

(704) 432-3199

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that Mountain Soils, Inc. is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

Landover Road / Lockabil Ln. → 8 Lots Lake Wylie
Number Street Town
(Or Parcel Number)

First Equities Financial, LLC
Property Owner (print name)

Property Owner (signature) Manager Member

10/14/2013
Date

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/14/13	**Amount:**	2,000.00
Receipt #:	85703	**Tendered:**	2,000.00
Check / Auth #:	CHECK 1296	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: SOUTHEAST RESORT INVESTMENT
Attn:
Address: 9218 COVEY HOLLOW CT
Address:
City/State/Zip: CHARLOTTE, NC 28210-7998

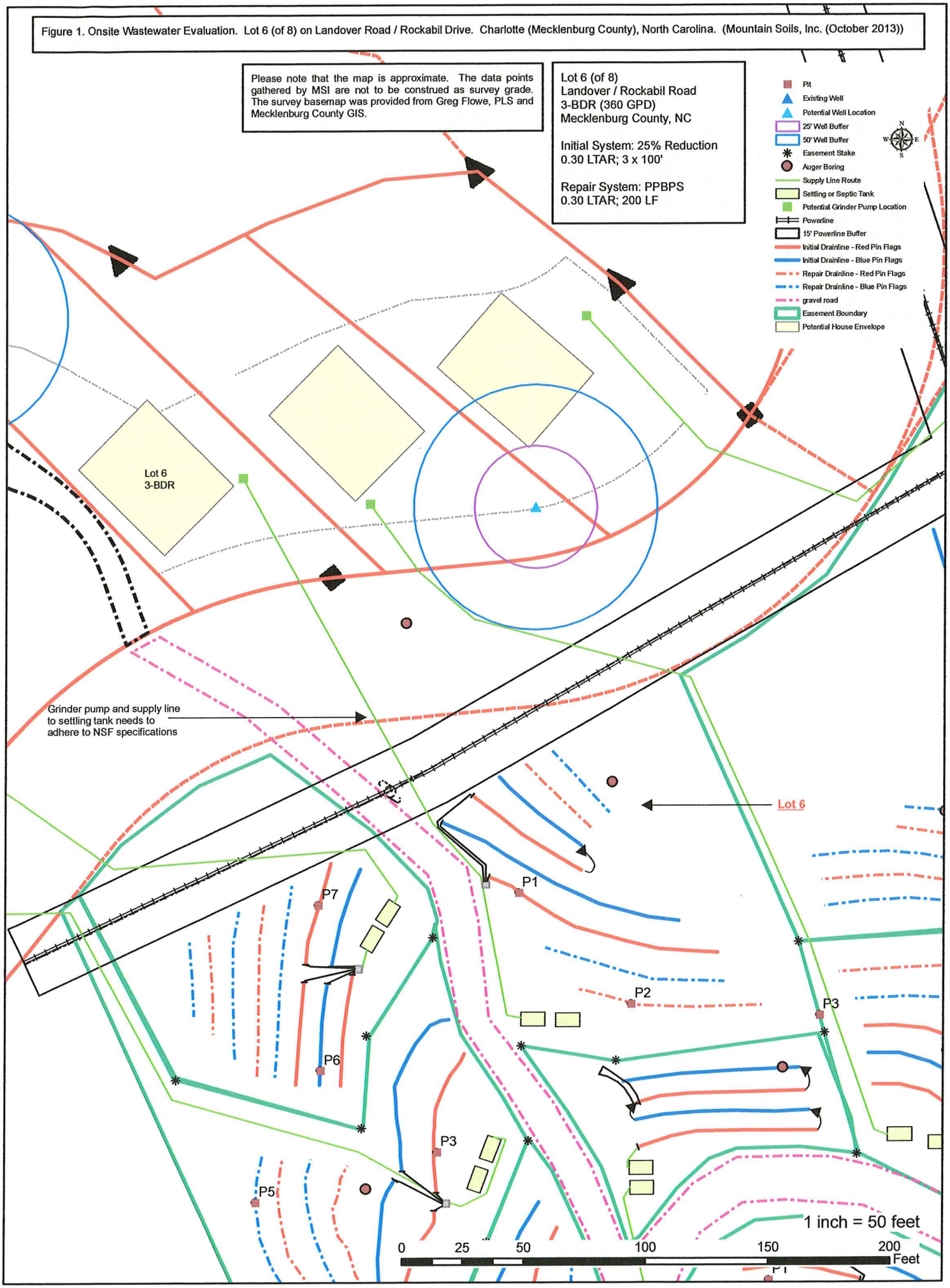
Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen EIGHT LOTS, LAKE ~~WILEY~~ AREA		1	2,000.00	2,000.00

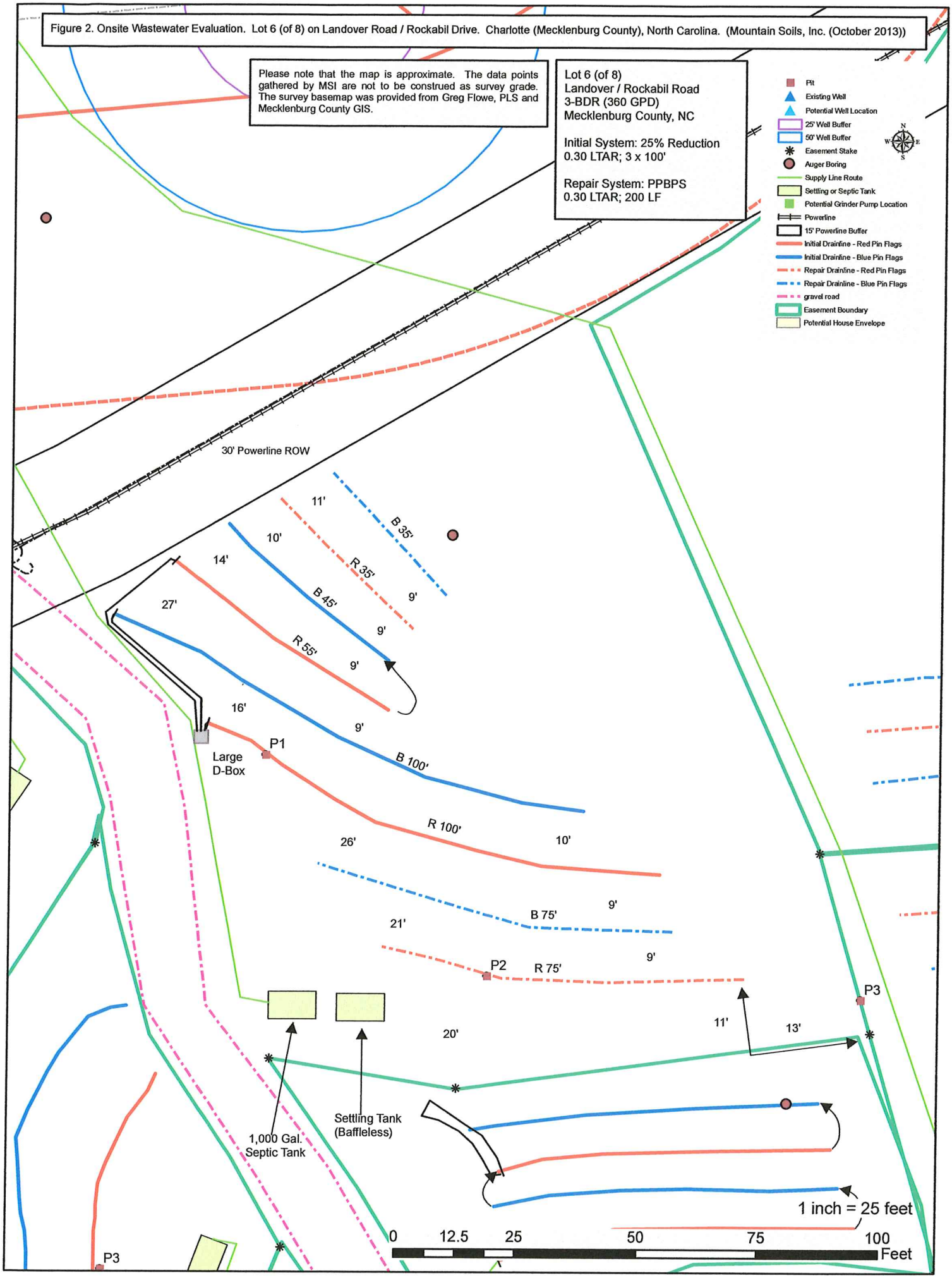
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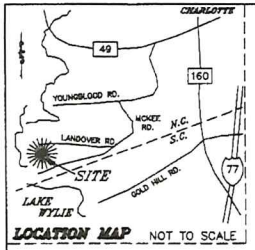
----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

Figure 1. Onsite Wastewater Evaluation. Lot 6 (of 8) on Landover Road / Rockabil Drive. Charlotte (Mecklenburg County), North Carolina. (Mountain Soils, Inc. (October 2013))




Figure 2. Onsite Wastewater Evaluation. Lot 6 (of 8) on Landover Road / Rockabil Drive. Charlotte (Mecklenburg County), North Carolina. (Mountain Soils, Inc. (October 2013))
Please note that the map is approximate. The data points gathered by MSI are not to be construed as survey grade. The survey basemap was provided from Greg Flowe, PLS and Mecklenburg County GIS.
Lot 6 (of 8)
Landover / Rockabil Road
3-BDR (360 GPD)
Mecklenburg County, NC
Initial System: 25% Reduction
0.30 LTAR; 3 x 100'
Repair System: PPBPS
0.30 LTAR; 200 LF
Pit
Existing Well
Potential Well Location
25' Well Buffer
50' Well Buffer
Easement Stake
Auger Boring
Supply Line Route
Settling or Septic Tank
Potential Grinder Pump Location
Powerline
15' Powerline Buffer
Initial Drainline - Red Pin Flags
Initial Drainline - Blue Pin Flags
Repair Drainline - Red Pin Flags
Repair Drainline - Blue Pin Flags
gravel road
Easement Boundary
Potential House Envelope
30' Powerline ROW
11'
B 35'
10'
14'
R 35'
9'
27'
B 45'
9'
R 55'
9'
16'
9'
B 100'
P1
Large
D-Box
R 100'
26'
10'
9'
B 75'
21'
9'
P2
R 75'
P3
11'
13'
20'
1,000 Gal.
Septic Tank
Settling Tank
(Baffleless)
1 inch = 25 feet
0
12.5
25
50
75
100
Feet
P3



LOCATION MAP NOT TO SCALE

Map Prepared By:

Ben M. Flowe and Son:

Land Surveying and Mapping Services

Ben M. Flowe, P.L.S.
Gregory S. Flowe, P.L.S.
12316 Brief Road
Charlotte, N.C. 28227
Phone:(704)545-3080

STATE OF NORTH CAROLINA
MECKLENBURG COUNTY

I, GREGORY S. FLOWE, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book AS, page SHOWN, etc.) (other); that the boundaries not surveyed are clearly indicated as drawn from information found in Book AS, page SHOWN; that the ratio of precision as calculated is 1: 10,000+; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this 17TH day of March, A.D., 2013.

Professional Land Surveyor L-3600

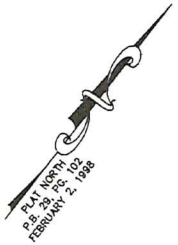
NORTH CAROLINA PROFESSIONAL SEAL L-3600 LAND SURVEYOR GREGORY S. FLOWE

Qualifies as an exempt subdivision under Charlotte-Mecklenburg Subdivision Ordinance Exemption (4). "The division of a tract in single ownership whose entire area is no greater than two acres into not more than three lots, where no street right-of-way dedication is involved and where the resultant lots are equal to or exceed the standards of the appropriate zoning classification."

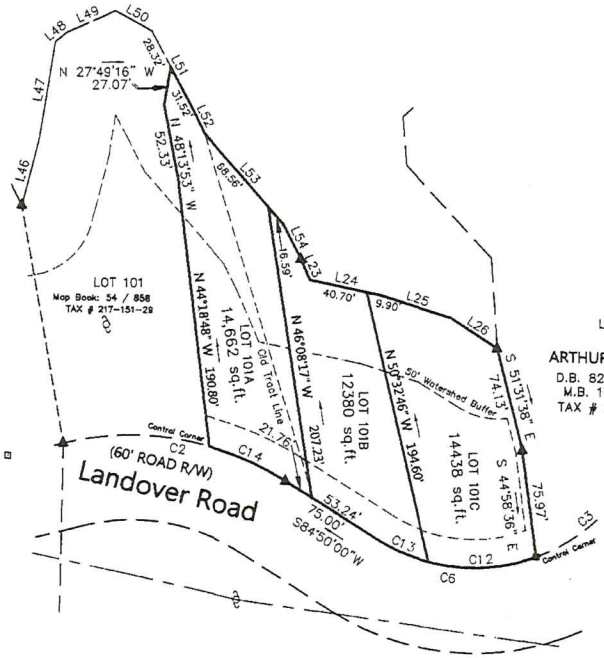
20130440014

MAP BOOK 54 PAGE 939

FILED FOR REGISTRATION
MAR 25 2013
9:49 AM
M.C.



LAKE WYLIE



LOT 100
N/F
Wylie Investments, LLC
D.B. 18297, PG. 661
M.B. 40, PG. 343
TAX # 217-151-28 & 27

LOT 102
N/F
ARTHUR L. SNUGGS
D.B. 8213, PG. 437
M.B. 17, PG. 607
TAX # 217-151-31

LINE TABLE		
LINE	LENGTH	BEARING
L1	37.35	N 62°10'07" E
L5	22.41	N 61°08'11" E
L10	15.14	N 81°27'32" E
L15	35.27	S 69°58'50" E
L20	10.79	S 36°57'21" E
L22	10.90	S 00°15'42" W
L23	15.86	S 60°49'02" E
L24	50.60	N 64°10'33" E
L25	51.50	N 69°45'10" E
L26	38.83	N 84°59'14" E
L27	32.42	N 30°22'29" E
L30	12.97	N 37°02'22" E
L35	7.11	N 64°34'08" E
L38	28.39	N 17°37'47" E
L39	30.83	N 52°02'04" E
L40	29.00	N 26°24'56" W
L41	24.70	N 58°10'56" W
L42	22.20	N 09°25'04" E
L44	161.02	N 23°15'04" E
L45	6.10	N 78°01'29" W
L46	48.00	N 23°22'00" W
L47	70.26	N 28°16'00" W
L48	10.11	N 13°02'00" E
L49	37.66	N 28°22'00" E
L50	29.01	N 81°15'00" E
L51	59.84	S 65°20'00" E
L52	20.40	S 63°39'00" E
L53	85.15	S 78°20'00" E
L54	27.05	S 64°18'00" E
L61	31.31	N 69°27'00" E
L62	41.85	S 64°08'05" E

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	247.33	145.57	N 65°31'41" E	218.64'
C2	164.57	201.03	S 61°23'16" W	160.02'
C3	91.34	127.31	N 11°28'41" E	89.39'
C4	60.19	359.25	S 47°42'02" W	60.12'
C5	162.25	154.58	S 86°37'47" W	154.90'
C6	117.27	127.31	N 58°25'13" E	113.17'
C12	76.83	127.31	N 49°19'17" E	75.67'
C13	40.44	127.31	N 75°42'36" E	40.27'
C14	58.67	206.47	S 76°25'56" W	58.48'
C15	103.57	202.96	S 53°25'34" W	102.45'

Zoning R-5

- 20% Maximum built upon area(Impervious Area)
- This property is located in the Lower Lake Wylie Critical Area Watershed

THIS PLAT IS NOT SUBJECT TO THE PROVISIONS OF THE CITY OF CHARLOTTE OR MECKLENBURG COUNTY SUBDIVISION ORDINANCES AND DOES NOT REQUIRE THE APPROVAL OF THE CHARLOTTE-MECKLENBURG PLANNING COMMISSION. HOWEVER, ANY FURTHER SUBDIVISION OF THIS PROPERTY MAY BE SUBJECT TO THESE PROVISIONS.

CHARLOTTE MECKLENBURG PLANNING COMMISSION
PLANNING COMMISSION STAFF
3/25/2013 DATE

TAX PARCELS: 217-151-47
SOURCE OF TITLE: D.B. 23771, PG. 251, DB 18927 PG. 661
MAP BOOK 40, PG. 343, MB 17 / PG 468

PROPERTY OWNED BY

WYLIE INVESTMENTS LLC

SUBDIVISION OF
Adjacent Tract
LAKE WYLIE
STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.

March 15, 2013

SCALE: 1" = 60'
DRAWING NO. 169-03 REVISED

60 30 0 60 120 180
SCALE IN FEET

LEGEND

- LINES SURVEYED
- LINES NOT SURVEYED
- INTERIOR LINES
- TIE LINES
- OVHD DISTRIBUTION LINE (OVERHEAD)
- #4 REBAR(S)
- #4 REBAR(F)
- #5 REBAR(S)
- #5 REBAR(F)
- 1" L PIPE(F)
- #3 REBAR (F)
- CON. MON.(F)
- CON. MON.(S)
- RETAIL POWER POLE

NOTE: ALL CORNERS NOT IDENTIFIED ARE POINTS ALONG DUKE ENERGY CORP. PROJECT BOUNDARY (LAKE WYLIE)

NOTE:
ALL CORNERS ARE I.PIN(F) UNLESS OTHERWISE NOTED.

NOTE:
ALL DISTANCES ARE HORIZONTAL DISTANCES UNLESS OTHERWISE NOTED.

NOTE:
AREA BY COORDINATE COMPUTATION.

NOTE:
PROPERTY SUBJECT TO ANY VALID & ENFORCEABLE EASEMENTS, RESTRICTIONS & RIGHTS OF WAY OF RECORD.

NOTE:
THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND.

State of North Carolina
County of MECKLENBURG

I, Joshua F. Weaver, Review Officer of MECKLENBURG County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

3/25/2013 Date

Review Officer

MOUNTAIN SOILS, INCORPORATED

71 LEDFORD DRIVE FRANKLIN, NC 28734
EMAIL: MOUNTAINSOILS@FRONTIER.COM WEBSITE: WWW.MOUNTAINSOILS.COM
OFFICE/FAX: (828) 524-5962 CELL: (828) 421-3149

Landover Road "Subdivision" - Lot #6 (of 8) (Lot 101A on Plat) **10/12/2013**
Mecklenburg County, NC

Onsite Wastewater Septic System Overview:

The following report has been prepared by Mountain Soils, Inc. (MSI) for Lot #6 (of 8) (3-BDR) in the Landover Road "Subdivision" in Mecklenburg County, North Carolina. Please note that the following report is MSI's septic opinion and is not to be construed as the actual septic permit.

Application Type:	IP (3-BDR)					
Number of Bedrooms:	Proposed Septic System	**GPD**	**Soil Group**	**Soil Texture**	**LTAR**	**Linear Feet Required Calculation (in Square and Linear Feet)**
Initial Septic System:	25% Reduction	360	IV	Clay	0.30	360 gpd / 0.30 gpd/ft^2 = 1,200 ft^2 1,200 ft^2 / 4 ft trench eq. = 300 ft (See calculations below)
Repair Septic System:	Prefabricated Permeable Block Panel System (PPBPS)	360	IV	Clay	0.30	360 gpd / 0.30 gpd/ft^2 = 1,200 ft^2 1,200 ft^2 / 6 ft trench eq. = 200 ft (See calculations below)
Easement Required:	YES					

Onsite Wastewater Septic System Configuration and Recommendations:

The following recommendations are proposed by MSI for Lot 6 (of 8) in the Landover Road "Subdivision" in Mecklenburg County, North Carolina. The proposed system

MOUNTAIN SOILS, INCORPORATED
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design/layout is for three bedrooms. The septic area has been evaluated and determined to contain Group IV soils (the most restrictive texture being clay). A long-term acceptance rate (LTAR) of 0.30 has been assigned to these soils *(See attached soil descriptions).*

MSI recommends utilizing a 25% Reduction type system for the septic drainfield. The (initial) septic system will require 300 linear feet of material to accommodate the 3-bedroom septic system. The recommended trench depth is 24 inches (low side of trench). It is anticipated that a grinder pump tank setup will be required to supply effluent to the settling tank (then septic tank). The square and linear footage required for installation of this system is illustrated below.

3 bedrooms x 120 gallon per bedroom per day = 360 gallons per day (gpd)
Group IV, Clay, 0.30 gallons per square foot per day (LTAR)
Square Footage required: 360 gpd / 0.30 LTAR = 1,200 square feet
1,200 ft^2/4' trench equivalency= 300 Linear Feet

MSI recommends utilizing a Prefabricated Permeable Block Panel System (PPBPS) for the repair septic drainfield. The repair system will require 200 linear feet of material to accommodate the 3-bedroom septic system. The recommended trench depth is 28 inches. The square and linear footage required for installation of this system is illustrated below.

3 bedrooms x 120 gallon per bedroom per day = 360 gallons per day (gpd)
Group IV, Clay, 0.30 gallons per square foot per day (LTAR)
Square Footage required: 360 gpd / 0.30 LTAR = 1,200 square feet
1,200 ft^2/6' trench equivalency= 200 Linear Feet

The proposed septic system area has been delineated in the field. It is recommended to utilize 3 x 100' of 25% Reduction material for the septic drainfield. *(See attached site plan for detail.)* It is also recommended to delineate the system again prior to installation.

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Before any construction begins, it is recommended to conduct a pre-construction conference. These conferences typically include the homeowner/representative, the certified installer, Mountain Soils, Inc., and an Environmental Health Specialist for the Mecklenburg County Health Department (Environmental Health Section).

Onsite Wastewater Septic System Setbacks (Buffers) and Site Recommendations:

The following items are recommended by MSI to preserve the integrity of the proposed site and surrounding area.

1. MSI recommends encasing all septic system supply lines where they cross roads, drives and/or power lines (*pursuant to Laws and Rules for Sewage Treatment, and Disposal Systems 15A NCAC 18A .1900*)

2. MSI recommends diverting stormwater runoff away from all proposed septic areas.

3. A grinder pump tank setup is recommended. The grinder pump is recommended to feed a 1,000 gallon baffleless settling tank and then a 1,000 gallon septic tank with commercial filter. The septic tank is proposed to feed a large distribution box which will each distribute effluent to three (3) - one-hundred foot (100') drainlines (see attached site plan).

4. The grinder pump tank and supply from the grinder basin to settling tank must meet standards adopted by the National Sanitation Foundation (NSF). It is advisable to have these components engineered (by a P.E.) prior to construction.

5. The proposed MSI septic system designs/layouts are based on dodging large trees or other obstacles that may hinder the installation or operation of the septic system.

6. The proposed onsite wastewater system is based off of theoretical calculations based on data obtained at the site. MSI does not guarantee actual system performance.

7. The proposed initial septic system and repair system must maintain a setback (Buffer), specified by North Carolina Department of Environment and Natural Resources (NCDENR), including: 5' horizontal from the house and all foundations, 50' horizontal from any surface water, 100' horizontal minimum from all wells, 10' horizontal from all property lines and water lines, 20' horizontal from any other septic system (except repair) and 15' horizontal from cut banks (unless filled and compacted, 5' horizontal setback)

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8. The proposed septic system area/types, house location, well location and other site specific information in this report are MSI's opinion. Actual final designs, layouts, and locations may be subject to change.

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Landover Road "Subdivision" - Lot 6 (of 8) 10/12/2013
3-BDR (Offsite - Easement Required)
Mecklenburg County, NC

Septic System Calculation Worksheet

Initial System: 25% Reduction

Recommended Trench Bottom Depth: 24" (low side of trench)

Gal / Day	Trench Width (Inches)	Trench Equivalency (Feet)	Soil Depth on 0% Slope
360	36	4	36

Slope	Pit#	Soil Depth (in.)	Total Suitable Pit Depth/ Sap. Depth (in.)	Soil Needed (slope adjusted) (in.)	[1] Total Depth of Saprolite Required (2:1 ratio) factoring Soil Depth (in.)	Fill Material Required (in.)	Morphological Based Field LTAR
15%	P1	54	54	41.4	0	0	0.35
27%	P2	53	53	45.7	0	0	0.35
38%	P3	53	53	49.7	0	0	0.3
						LTAR Utilized	**0.30**
						Linear Feet Required	**300**

Repair System: PPBPS

Recommended Trench Bottom Depth: 28" (low side of trench)

Gal / Day	Trench Width (Inches)	Trench Equivalency (Feet)	Soil Depth on 0% Slope
360	24	6	40

Slope	Pit#	Soil Depth (in.)	Total Suitable Pit Depth/ Sap. Depth (in.)	Soil Needed (slope adjusted) (in.)	[1] Total Depth of Saprolite Required (2:1 ratio) factoring Soil Depth (in.)	Fill Material Required (in.)	Morphological Based Field LTAR
15%	P1	54	54	43.6	0	0	0.35
27%	P2	53	53	46.5	0	0	0.35
38%	P3	53	53	49.1	0	0	0.3
						LTAR Utilized	**0.30**
						Linear Feet Required	**200**

[1] [(soil depth needed-soil depth) x 2] + Soil depth = sap. Depth needed.
Above equation only to be used if the difference in soil depth needed and actual soil depth present = 12" or less

DENR/DEH

ON-SITE WASTEWATER SECTION

Area 3

Sheet ___ of ___

PROPERTY ID #:

COUNTY: McDowell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Landover Rd (Lots 2, 6, 5) APPLICATION DATE:

ADDRESS: DATE EVALUATED: 4-11-13

PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949): PROPERTY SIZE:

LOCATION OF SITE: PROPERTY RECORDED:

WATER SUPPLY: • Private • Public • Well • Spring • Other

EVALUATION METHOD: • Auger Boring • Pit • Cut TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON	DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	(Uss) 15%	AB	0-4	1mgr/sl	FR	10YR 3/2	>54"	-	-	~~IV~~ 0.35
		Bt1	4-18	2msbk/C	FR (ss pl)	10YR 4/6				
		Bt2	18-32	1msbk/scl	FR (ss ss)	10YR 5/6				
		BC	32-54+	1/2msbk/sl	FR (ss ss)	10YR 5/6 many				
2	(Css) 27%	Ap	0-4	2mgr/sl	FR	10YR 3/2	>53"	-	-	IV 0.35
		Bt1	4-20	2msbk/C	FR (ss pl)	10YR 4/6				
		Bt2	20-37	1msbk/scl	FR (ss ss)	10YR 5/6				
		BC	37-53+	1fsbk/sl/L	FR micaceous	10YR 5/6 few				
3	Lnss 38%	Ap	0-5	1mgr/sl	FR		>53"	-	-	IV 0.3
		Bt1	5-19	2msbk/C	FR/FI (ss pl)	10YR 5/4				
		Bt2	19-36	2msbk/CL	FR (ss sp)	10YR 5/6				
		BC	36-53+	1msbk/scl	FR	10YR 5/6 few				
4	(Css) 24%	AB	0-5	1mgr/sl	FR	2.5Y 3/4	>56"	-	-	IV 0.35
		Bt	5-25	2msbk/C	FR (ss pl)	2.5YR 4/6				
		BC	25-56+	1msbk/scl sl	FR	2.5YR 5/6 few				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):

SITE CLASSIFICATION (.1948):

EVALUATED BY: SKJ

OTHER(S) PRESENT:

LICENSED SOIL SCIENTIST STEVEN J. MELIN 1254 STATE OF NORTH CAROLINA

COMMENTS: Pit #5 Css 18%

Ap 0-6 5YR 3/4 sl 1mgr VFR >50

BA 6-15 5YR 4/4 scl 1msbk Fr

Bt 15-50+ 2.5YR 5/4 C 2msbk FR (ss pl) IV 0.3 LTAR

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 217-151-67
Lot #: 101A (Lot 6)
File #: 8814B
AppID: 6485

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Wylie Investments, LLC
Address: 5520 Sharon View Rd, Charlotte, NC 28226
Proposed Facility: 3BR House
Design Flow (.1949): 360 GPD
Location of Site: Landover Rd, Charlotte, NC 28278
Water Supply: [X] Public [ ] Individual [X] Well
Evaluation Method: [ ] Auger Boring [X] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: Mountain Soils Inc. (Steve Melin)
Date Evaluated: 10/22/2013
Property Size: 1.034 ac
Property Recorded: 1/22/2013
[ ] Spring [ ] Other
[ ] Cut
[ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit #1	LS 15%	0 - 4	gr SL	FR SEXP	>54"	54	NA	NA		PS IV 0.3	36"
		4 - 18	mmsbk C	FR SEXP							
		18 - 54	wmsbk SCL	FR SEXP							
Pit #2	LS 27%	0 - 4	gr SL	FR SEXP	>53"	53	NA	NA		PS IV 0.3	31"
		4 - 33	mmsbk C	FR SEXP							
		33 - 53	wmsbk SCL	FR SEXP							
Pit #3	LS 25%	0 - 3	gr SL	FR SEXP	>56"	56	NA	NA		PS IV 0.3	35"
		3 - 10	wfsbk SCL	FR SEXP							
		10 - 32	mmsbk C	FI SEXP							
		32 - 56	wfsbk SCL	FR SEXP							
Pit #4	LS 15%	0 - 5	gr SL	FR SEXP	>54"	54	NA	NA		PS IV 0.3	36"
		5 - 26	mmsbk C	FI SEXP							
		26 - 54	wmsbk SCL	FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIb	IIIbe
Site LTAR (gpd/sq ft)	0.3	0.3

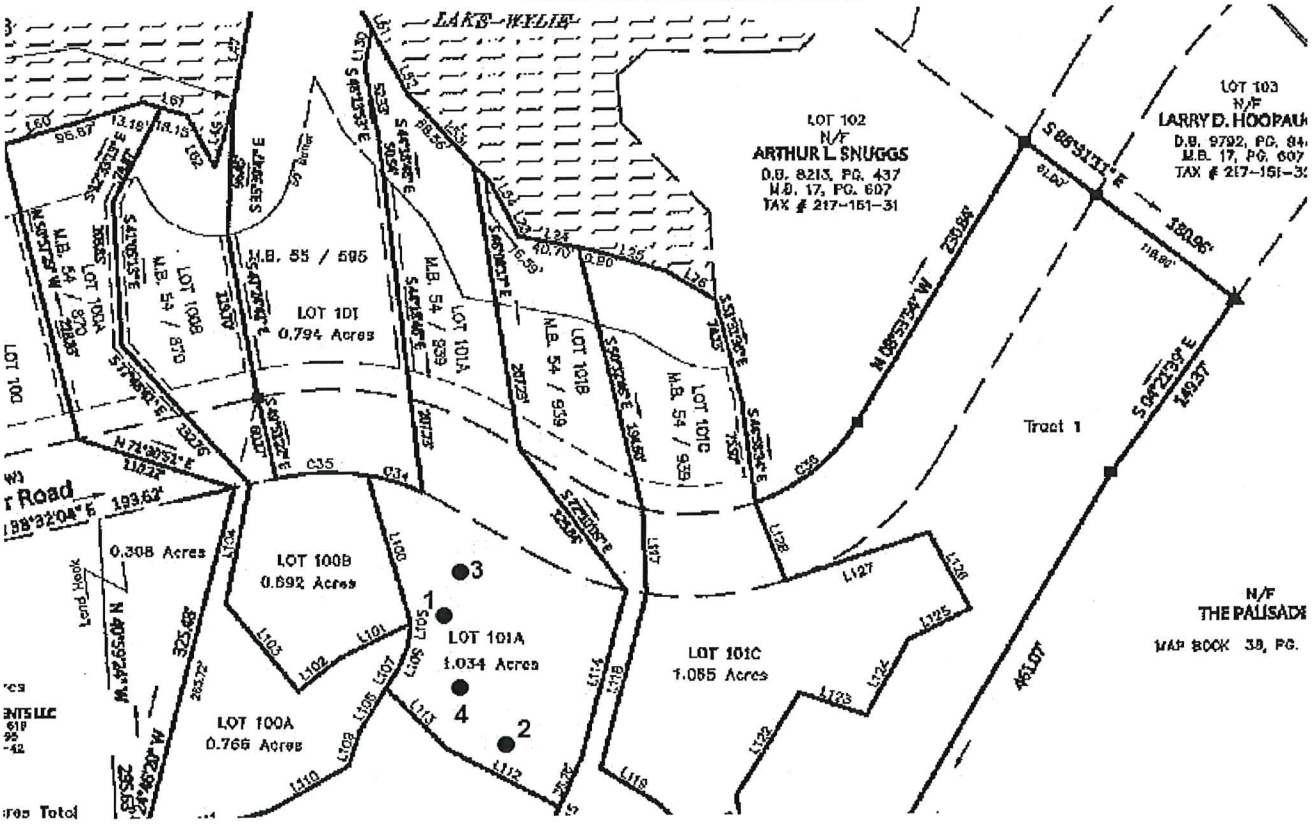
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present: Steve Melin, LSS
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

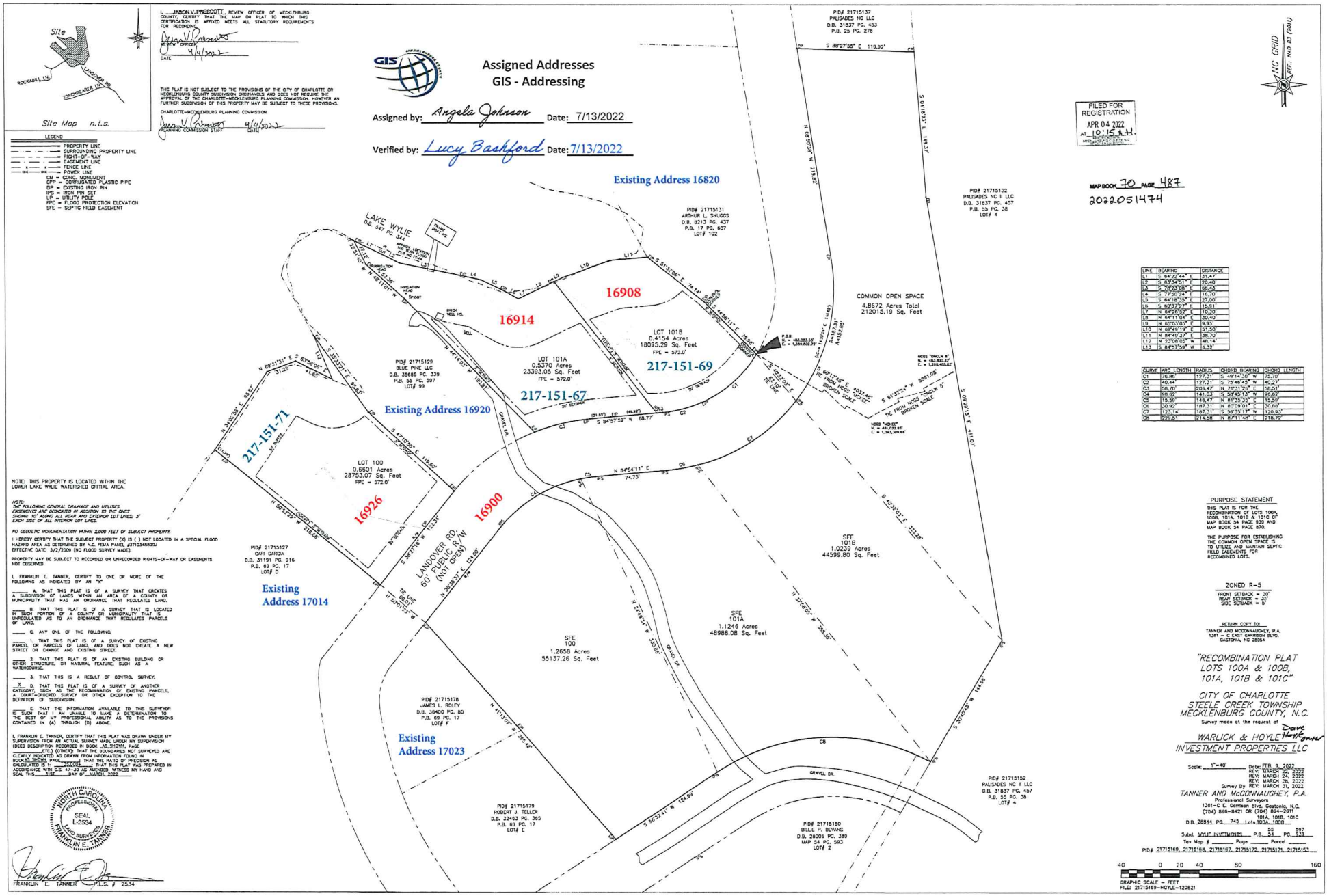
Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	sg-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		mass-Massive
LS-Linear Slope				cr-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	gr-Granular
NS-Nose Slope		L-Loam		sbk-Subangular Blocky
HS-Head Slope				abk-Angular Blocky
CC-Concave Slope	III	Si-Silt	0.6 - 0.3	pl-Platy
CV-Convex Slope		SiCL-Silty Clay Loam		pr-Prismatic
T-Terrace		CL-Clay Loam		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



B70 - P 487


Site
ROCKWELL LN
LANDOVER LN
TOWNSBEAR LN
Site Map n.t.s.
I, JASON V. PRESCOTT, REVIEW OFFICER OF MECKLENBURG COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.
REVIEW OFFICER
DATE 4/4/2022
THIS PLAT IS NOT SUBJECT TO THE PROVISIONS OF THE CITY OF CHARLOTTE OR MECKLENBURG COUNTY SUBDIVISION ORDINANCES AND DOES NOT REQUIRE THE APPROVAL OF THE CHARLOTTE-MECKLENBURG PLANNING COMMISSION. HOWEVER AN FURTHER SUBDIVISION OF THIS PROPERTY MAY BE SUBJECT TO THESE PROVISIONS.
CHARLOTTE-MECKLENBURG PLANNING COMMISSION
PLANNING COMMISSION STAFF 4/6/2022
DATE
LEGEND
PROPERTY LINE
SURROUNDING PROPERTY LINE
RIGHT-OF-WAY
EASEMENT LINE
FENCE LINE
POWER LINE
CM = CONC. MONUMENT
CPP = CORRUGATED PLASTIC PIPE
EIP = EXISTING IRON PIN
IPS = IRON PIN SET
UP = UTILITY POLE
FFE = FLOOD PROTECTION ELEVATION
SFE = SEPTIC FIELD EASEMENT
GIS
Assigned Addresses
GIS - Addressing
Assigned by: Angela Johnson Date: 7/13/2022
Verified by: Lucy Bashford Date: 7/13/2022
Existing Address 16820
Existing Address 16920
Existing Address 17014
Existing Address 17023
16908
16914
16926
16900
217-151-69
217-151-67
217-151-71
LAKE WYLIE
D.B. 347 PG. 344
LOT 1019
0.4154 Acres
18095.29 Sq. Feet
FFE = 572.0'
LOT 101A
0.5370 Acres
23393.05 Sq. Feet
FFE = 572.0'
LOT 100
0.6501 Acres
28753.07 Sq. Feet
FFE = 572.0'
LANDOVER RD.
60' PUBLIC R/W
(NOT OPEN)
COMMON OPEN SPACE
4.8672 Acres Total
212015.19 Sq. Feet
SFE
1018
1.0239 Acres
44599.80 Sq. Feet
SFE
101A
1.1246 Acres
48988.08 Sq. Feet
SFE
100
1.2658 Acres
55137.26 Sq. Feet
PID# 21715137
PALISADES NC LLC
D.B. 31837 PG. 453
P.B. 25 PG. 278
PID# 21715131
ARTHUR L. SNUGGS
D.B. 8213 PG. 437
P.B. 17 PG. 607
LOT# 102
PID# 21715152
PALISADES NC II LLC
D.B. 31837 PG. 457
P.B. 55 PG. 38
LOT# 4
PID# 21715129
BLUE PINE LLC
D.B. 35685 PG. 339
P.B. 55 PG. 597
LOT# 99
PID# 21715127
CARI CARDIA
D.B. 31191 PG. 916
P.B. 69 PG. 17
LOT# D
PID# 21715178
JAMES L. ROLEY
D.B. 36400 PG. 80
P.B. 69 PG. 17
LOT# F
PID# 21715179
ROBERT J. TELLER
D.B. 32463 PG. 365
P.B. 69 PG. 17
LOT# E
PID# 21715150
BILLIE P. BEVANS
D.B. 26005 PG. 389
MAP 54 PG. 593
LOT# 2
NOTE: THIS PROPERTY IS LOCATED WITHIN THE LOWER LAKE WYLIE WATERSHED CRITIAL AREA.
NOTE:
THE FOLLOWING GENERAL DRAINAGE AND UTILITIES EASEMENTS ARE DESIGNATED IN ADDITION TO THE ONES SHOWN: 10' ALONG ALL REAR AND EXTERIOR LOT LINES; 5' EACH SIDE OF ALL INTERIOR LOT LINES.
NO GEODETIC MONUMENTATION WITHIN 2,000 FEET OF SUBJECT PROPERTY.
I HEREBY CERTIFY THAT THE SUBJECT PROPERTY (X) IS ( ) NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY N.C. FEMA PANEL #3710348610J EFFECTIVE DATE: 2/2/2006 (NO FLOOD SURVEY MADE).
PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY OR EASEMENTS NOT OBSERVED.
I, FRANKLIN E. TANNER, CERTIFY TO ONE OR MORE OF THE FOLLOWING AS INDICATED BY AN "X"
A. THAT THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LANDS WITHIN AN AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES LAND.
B. THAT THIS PLAT IS OF A SURVEY THAT IS LOCATED IN SUCH PORTION OF A COUNTY OR MUNICIPALITY THAT IS UNREGULATED AS TO AN ORDINANCE THAT REGULATES PARCELS OF LAND.
C. ANY ONE OF THE FOLLOWING:
1. THAT THIS PLAT IS OF A SURVEY OF EXISTING PARCEL OR PARCELS OF LAND, AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.
2. THAT THIS PLAT IS OF AN EXISTING BUILDING OR OTHER STRUCTURE, OR NATURAL FEATURE, SUCH AS A WATERCOURSE.
3. THAT THIS IS A RESULT OF CONTROL SURVEY.
X 4. THAT THIS PLAT IS OF A SURVEY OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.
D. THAT THE INFORMATION AVAILABLE TO THIS SURVEYOR IS SUCH THAT I AM UNABLE TO MAKE A DETERMINATION TO THE BEST OF MY PROFESSIONAL ABILITY AS TO THE PROVISIONS CONTAINED IN (A) THROUGH (D) ABOVE.
I, FRANKLIN E. TANNER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK AS SHOWN, PAGE ____ ETC.) (OTHER); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK AS SHOWN, PAGE ____; THAT THE RATIO OF PRECISION AS CALCULATED IS 1: 250,000+ ; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY HAND AND SEAL THIS 31ST DAY OF MARCH, 2022
NORTH CAROLINA PROFESSIONAL SEAL L-2534 LAND SURVEYOR FRANKLIN E. TANNER
FRANKLIN E. TANNER P.L.S. # 2534
NC GRID (NAD 83 (2011))
FILED FOR REGISTRATION
APR 04 2022
AT 10:15 A.M.
MAP BOOK 70 PAGE 487
202205147
LINE BEARING DISTANCE
L1 S 84°22'44" E 31.47'
L2 S 63°34'51" E 20.40'
L3 S 78°23'08" E 88.43'
L4 S 77°50'24" E 16.70'
L5 S 64°18'55" E 27.00'
L6 S 62°37'27" E 13.51'
L7 N 84°28'02" E 10.20'
L8 N 64°11'54" E 30.40'
L9 N 65°03'05" E 9.95'
L10 N 69°49'19" E 51.20'
L11 N 84°49'37" E 38.70'
L12 N 23°08'05" W 46.14'
L13 S 84°57'59" W 6.33'
CURVE ARC LENGTH RADIUS CHORD BEARING CHORD LENGTH
C1 76.80' 177.31' S 49°14'30" W 75.70'
C2 40.44' 127.31' S 75°48'45" W 40.27'
C3 58.70' 208.47' N 78°31'25" E 58.51'
C4 98.82' 141.03' S 59°45'13" W 96.82'
C5 13.59' 148.47' N 81°35'35" E 13.59'
C6 30.92' 187.31' N 49°09'01" E 30.89'
C7 123.14' 187.31' S 58°35'17" W 120.93'
C8 229.51' 214.58' N 87°11'48" E 218.72'
PURPOSE STATEMENT
THIS PLAT IS FOR THE RECOMBINATION OF LOTS 100A, 100B, 101A, 101B & 101C OF MAP BOOK 54 PAGE 839 AND MAP BOOK 54 PAGE 870.
THE PURPOSE FOR ESTABLISHING THE COMMON OPEN SPACE IS TO UTILIZE AND MAINTAIN SEPTIC FIELD EASEMENTS FOR RECOMBINED LOTS.
ZONED R-5
FRONT SETBACK = 20'
REAR SETBACK = 35'
SIDE SETBACK = 9'
RETURN COPY TO:
TANNER AND MCCONNAUGHEY, P.A.
1301 - C E. GARRISON BLVD.
GASTONIA, NC 28054
"RECOMBINATION PLAT LOTS 100A & 100B, 101A, 101B & 101C"
CITY OF CHARLOTTE
STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.
Survey made at the request of Dave Hoekzema
WARLICK & HOYLE
INVESTMENT PROPERTIES LLC
Scale: 1"=40' Date: FTR. 9, 2022
REV: MARCH 10, 2022
REV: MARCH 24, 2022
REV: MARCH 28, 2022
REV: MARCH 31, 2022
Survey By
TANNER AND McCONNAUGHEY, P.A.
Professional Surveyors
1301-C E. Garrison Blvd. Gastonia, N.C.
(704) 866-8421 OR (704) 864-2611
101A, 101B, 101C
D.B. 28944, PG. 745 Lots 100A, 100B
55 587
Subd. WYLIE INVESTMENTS P.B. 54 PG. 870
Tax Map # ____ Page ____ Parcel ____
PID# 21715169, 21715166, 21715167, 21715172, 21715171, 21715153
40 0 20 40 80 160
GRAPHIC SCALE - FEET
FILE: 21715169-HOYLE-120821

FOR REGISTRATION
Fredrick Smith
REGISTER OF DEEDS
Mecklenburg County, NC
2022 APR 04 10:15:25 AM
BK:70 PG:487-488
FEE:$21.00
INSTRUMENT # 2022051474

PETERSAL

2022051474

PID# 2171515O
BILLIE P. BEVANS
D.B. 28006 PG. 389
MAP 54 PG. 593
LOT# 2
GRAVEL DR.
S 56°32'41" W 124.99'
EIP
IPS
BM@7'
AB#2
CB
15' Wide Pressure Line
Easement
Pit#2
P2
B1
AB#1
Pit#1
Existing Gravel Drive
Scale 1"=40'
North
PM@17.4'
W3
O4
AB#3
B5
AB#5
W7
O8
B9
AB#4
W10
GRAVEL DR.
N 24°49'42" W 530.86'
N 37°58'05" W 385.35'
Pressure line from
house
SFE
1018
1.0239 Acres
44599.80 Sq. Feet
N 84°54'11" E
74.73'
IPS
CB