BLDR 2023-15793

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

PERMIT # OSWP-2023-13677

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4776-72-1452

APPLICANT / OWNER: SOIL AND FORESTRY SERVICES | APPLICANT ADDRESS: 126 3rd Creek Rd, Statesville, NC 28677

SITE ADDRESS: 117 MCALLISTER RD, STATESVILLE, NC 28625 | PHONE: (980) 223-8352 | ALT. PHONE:

SITE DIRECTIONS: Mocksville Hwy to Swann Road to Mcallister | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: Swann Crossing | SECTION: | LOT #: 5 | LOT AREA: 0.77 | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank: (gal) 1000	STB: 760	Date: 6/11/2023	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 3	Water Supply: Other Public Water
Pump Tank: (gal)	PT:	Date:	System Description: Gravity - 25% Reduction		☐ Business	No. Persons: 6	
Pump Make:	Model:	Serial #:	Repair System Description: 25% Reduction.		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 360	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36 in	Trench Bottom Depth (Low side): 24 in.		Gravel Depth:	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to G.S. 130 A-335 (a2), (a3) & (a4) using the signed and sealed Lss/LG Evaluation attached here from: Soil & Forestry Services of the Carolinas PA

Lss # 1231

AS BUILT SKETCH

Installed as drawn.

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Date:

IMPROVEMENT PERMIT by: Benjamin A. Bay Date: 7/2/2023

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Bay Date: 7/2/2023

Installed By: Steve Jordan

OPERATION PERMIT by: Sarah Williams Date: 7/27/2023

Existing System Inspected By: Date:

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.

County: Frederick

This Section for Local Health Department Use Only

Initial submittal received: 2/2/2023 (Date) by BB (Initials)

Permit Number: OSWP-2023-13677

G.S. 130A-335(a4) states the following: *'If a local health department fails to act on an application for an improvement permit submitted pursuant to subsection (a3) of the section within 10 business days of receipt of a complete application, the local health department shall issue the improvement permit.'*

In accordance with G.S. 130A-335(a3) the improvement permit application is:

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

The following items are missing:

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A. Botts Date of Issuance: 2/2/2023

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner.

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

Improvement Permit Expiration Date: 2/2/2028

See attached site sketch

County: Iredell

This Section for Local Health Department Use Only

Initial submittal received: 2/2/2023 (Date) by BB (Initials)

Permit Number: OSWP-2023-13677

G.S. 130A-335(a6) states the following: *'If a local health department fails to act on an application for a construction authorization submitted pursuant to subsection (a5) of the section within 10 business days of receipt of a complete application, the local health department shall issue the construction authorization.'*

In accordance with G.S. 130A-335(a5) the construction authorization application is:

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

The following items are missing: _____

_____

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A Batts Date of Issuance: 2/2/2023

This Construction Authorization is issued pursuant to G.S. 130A-335(a2), (a5), and (a6) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner. Final landscaping shall be constructed to divert water and establish vegetative cover.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: 2/2/2028

See attached site sketch

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 22-0095
November 21st, 2022

COLBY LEWIS
Attn: *Colby Lewis*
Email: crlewis97@yahoo.com

RE: Soil & Site Evaluation for a 3 Bedroom Residence (Crawl Space) at McAllister Road, 0.77 ac Parcel, PIN#, 4776721452 Statesville, NC 28625.

Colby:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittal to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was partially open/cleared with the remainder wooded. Topography within the evaluated area was gently slope near the house site and moderate slope near the proposed drainfield area. Property lines and corners were marked at the time of the evaluation by survey. The surveyor provided an autocad map that was utilized to produce a Site Plan for the design. The proposed septic layout was located via Trimble Submeter GPS and used to produce the attached *Site Plan*. The house envelope was staked by the surveyor. The attached Survey plat provided has building setbacks to property lines.

Methodology

We evaluated soil areas through the use of hand augers. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with four boring locations on the property flagged and located via GPS. Three of the four of the soil borings are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each boring. The house envelope was located via Survey. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by GPS and tape measure. Detailed system & repair information is summarized in the following paragraph for this Lot.

McAllister Road (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 901 linear feet of line. The primary system is proposed as 360 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth (Low Side) is specified at 24 inches. The repair system is proposed as 360 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth (Low Side) is specified at 24 inches.

Session Law Requirements

All information needed to issue the IP must be submitted with the application. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

Owner

Date

Print Name Colby Lewis

Signature Colby Lewis

1/12/2023

The LSS evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

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

Disclaimer

This report reflects the findings of S&FS, PA. *This LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."*Any site modifications that impact the proposed septic areas on McAllister Road (Swann Crossing Lot 5) may nullify this design. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,



S. Ashley Rollans, LSS
Attachment: *Septic Design*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence at McAllister Road, Statesville 28625 Swann Crossing Lot 5, Iredell County, NC. PIN#: 4776721452

Contents: **Page**

Information for the Installer---------- 1

Design Information
- Design Specifications---------- 2-3
- Layout Specifications---------- 4

Site Plan/System Plan---------- 5+

Calculations---------- 6

Profile Descriptions---------- 7

Zoning Permit & Receipt---------- ONLINE

Application---------- ONLINE

Agent Authorization Form---------- ONLINE

Improvements Permit Form---------- 8

Construction Authorization Permit Form---------- 9

LICENSED SOIL SCIENTIST
SAMUEL A. ROLLANS
1231
STATE OF NORTH CAROLINA

11/21/2022
Project #: 22-0095
Design By: Soil & Forestry Services of the Carolinas, PA

INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a gravity 25% reduction (Accepted) installation .

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Owner/Applicant:	Colby Lewis
Address:	1796 Old Mocksville Road Statesville, NC 28625
Phone:	704.437.2850
County:	Iredell
Location:	McAllister RD Statesville, NC 28625
Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	360
System Flow:	N/A

Design Specifications

Drainfield Size:	360	
Loading Rate (gpd/ft.^{2}):	0.25	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Trench Depth (Low Side):	24 in.	Repair Trench Bottom 24 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	8	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	5.22	
Dosing Volume:	N/A	
Supply Manifold:	N/A	
Supply Manifold Length:	N/A	
Supply Manifold Volume:	N/A	
Recommended Float Controls:	N/A	
Recommended Control Panel:	N/A	
Pressure Head:	N/A	
Friction Head:	N/A	
Elevation Head:	N/A	
Total Dynamic Head:	N/A	
Threaded Union:	N/A	
Gate Valves:	N/A	
Check Valves:	N/A	
Anti-Siphon Hole:	N/A	
Additional Comments:	Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA	

McAllister RD

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.25
TOTAL AREA TRENCH BOTTOM:	1080
TOTAL LATERAL LENGTH:	360
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	360
SUPPLY LINE LENGTH:	8
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

Layout Specifications - McAllister Rd

Project #: 22-0095

LAYOUT FOR 3 BEDROOM HOME

11/21/2022

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	RED		EXTRA			76	61
2	***PINK***					*78*	*78*
3	***BLUE***					*82*	*82*
4	***YELLOW***					*84*	*82*
5	PINK					60	60
6	ORANGE					88	88
7	***RED***					*162*	*118*
8	PINK					137	137
9	BLUE					92	92
10	YELLOW					42	42
					Total	901	840

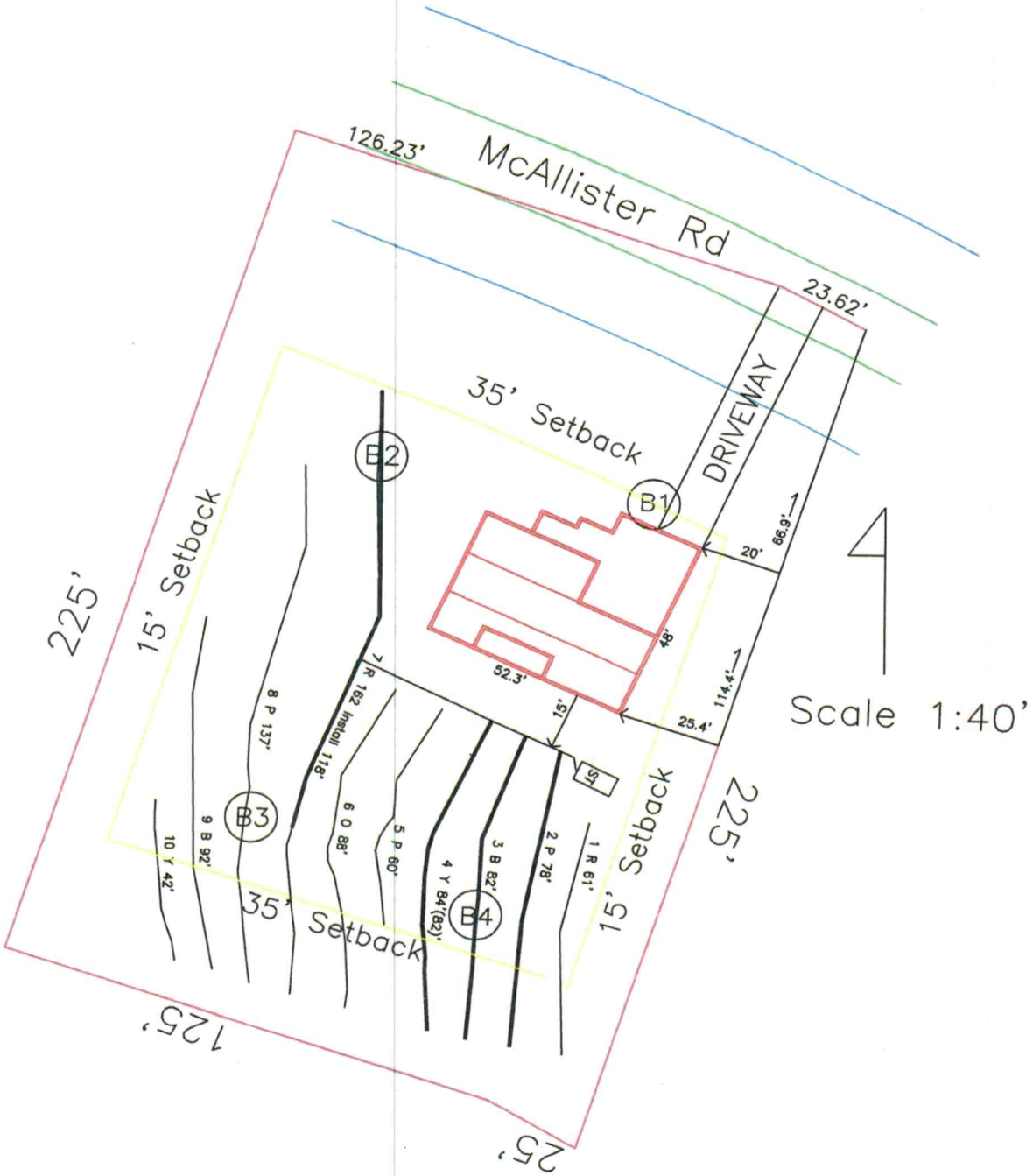
	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH LOW SIDE
** System*	*360*	*0.250*	*ACCEPT.*	*0.250*	*25% RED*	*GRAVITY*	24"
Repair	463	0.250	ACCEPT.	0.250	25% RED	GRAVITY	24"

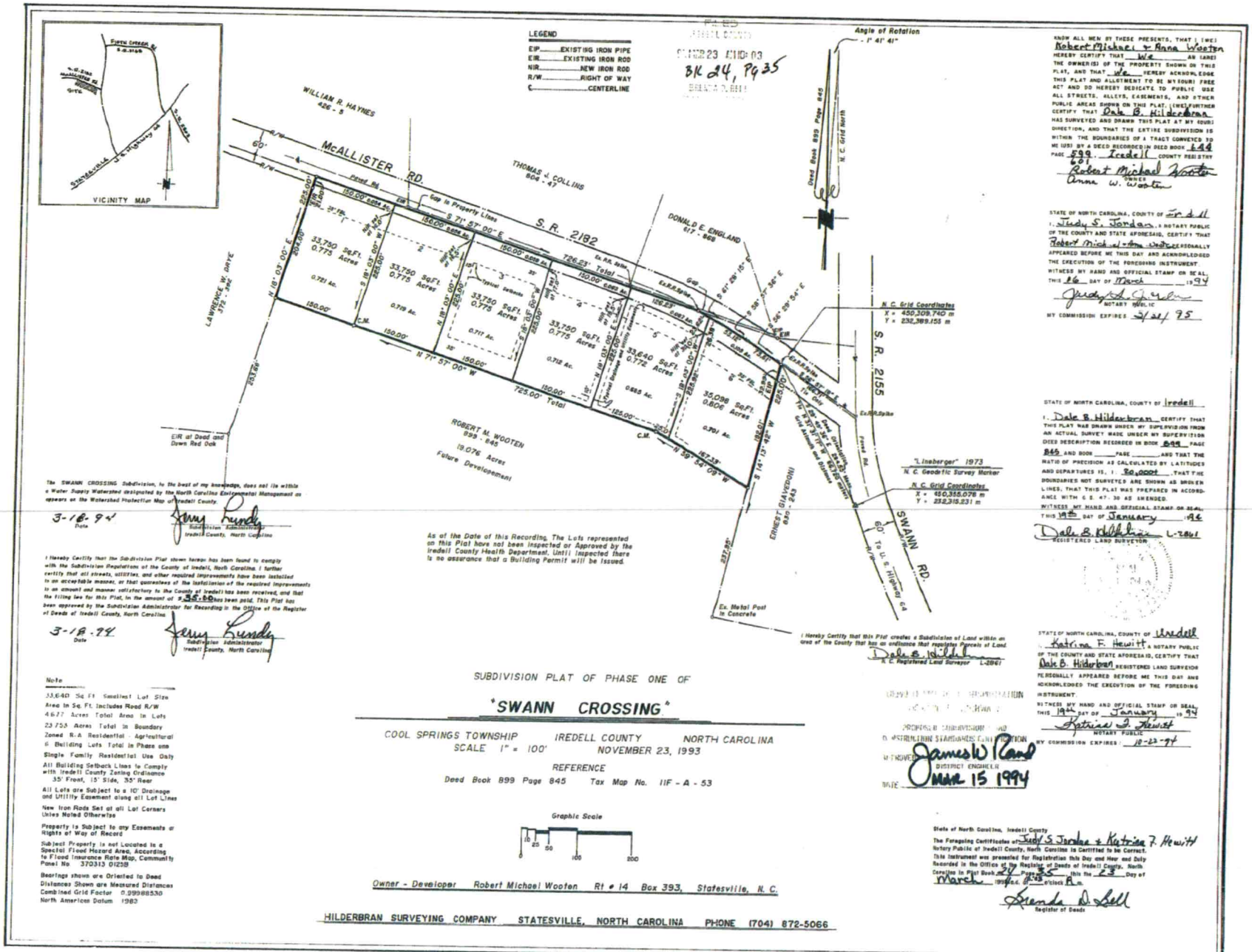
Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**Nitrification lines were located by GPS.

**Property Corners, lines & house envelope were located by Survey.


126.23'
McAllister Rd
23.62'
DRIVEWAY
35' Setback
B2
B1
66.9'
20'
48'
52.3'
15'
114.4'
25.4'
225'
15' Setback
225'
Scale 1:40'
B3
B4
35' Setback
15' Setback
125'
25'
8 P 137'
7 R 162'
Install 1 1/2"
6 O 88'
5 P 80'
4 Y 84' (82')
3 B 82'
2 P 78'
1 R 61'
9 B 92'
10 Y 42'


VICINITY MAP
LEGEND
EIP.....EXISTING IRON PIPE
EIR.....EXISTING IRON ROD
NIR.....NEW IRON ROD
R/W.....RIGHT OF WAY
℄.....CENTERLINE
McALLISTER RD.
S.R. 2182
S.R. 2155
SWANN RD.
WILLIAN R. HAYNES
426 - 5
THOMAS J. COLLINS
804 - 47
DONALD E. ENGLAND
617 - 868
LAWRENCE W. DAVIE
379 - 342
ROBERT M. WOOTEN
899 - 845
19.076 Acres
Future Developement
ERNEST GIAVEDONI
830 - 243
Angle of Rotation
- 1° 41' 41"
N. C. Grid Coordinates
X = 450,309.740 m
Y = 232,389.158 m
"Lineberger" 1973
N. C. Geodetic Survey Marker
N. C. Grid Coordinates
X = 450,355.078 m
Y = 232,315.231 m
Ex. Metal Post in Concrete
EIR at Dead and Down Red Oak
Gap in Property Lines
Ex. R.R. Spike
Ex. Nail
Ex. Pipe
Ex. R.R. Spike
Ex. Iron Pipe
Ex. Iron Rod
Ex. Iron Pipe
Ex. Iron Rod
Ex. Iron Pipe
Ex. Iron Rod

CALCULATIONS

Location	McAllister RD Statesville, NC 28625	
Project Number	22-0095	
Lot No:	5	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.250	$^{gal}/_{ft^2\,day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	8	ft.
Supply Line Volume	5.224	gal.
Required Feet of Line	360	ft.
Amount of Line from Layout	360	ft.
Gallons per Minute	N/A	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Septic Tank Size	1000	gal.
Panel Volume	N/A	gal.
# of Panels	N/A	
Dosing Volume	N/A	gal.
Tank Draw Down	N/A	
Pump Run Time		
Elevation Head	N/A	ft.
Pressure Head	N/A	ft.
Friction Factor	N/A	ft./100 ft. *(From the interpolater.)*
Friction Head	N/A	ft.
Total Dynamic Head (+15%)	N/A	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

PROPERTY ID #: _4776721452_
COUNTY: _Iredell_

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

OWNER: _Piedmont Homes_ APPLICATION DATE_____
ADDRESS: _1796 Old Mocksville Rd Statesville NC 28625_ DATE EVALUATED: _7/18/22_
PROPOSED FACILITY: _3BR_ PROPOSED DESIGN FLOW (.1949): _360GPD_ PROPERTY SIZE: _0.77 ac_
LOCATION OF SITE: _McAllister Rd_Statesville NC 28625_ PROPERTY RECORDED: _Yes_
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	
1	L/4%	0-10	BSLG	FR SS SP		50			PS 0.3
		10-50	RC WMSBK	FR SS SP					
2	L/4%	0-9	BSLG	FR SS SP		50			PS 0.3
		9-45	RC WMABK	FR SS SP					
		45-50	RBSCLSBK	FR SS SP					
					FEW TO COM SAP				
3	L/5%	0-12	BSLG	FR SS SP		50			PS 0.25
		12-24	RBSCL WFSBK	FR SS SP					
		24-32	RBCWFABK	FR SS SP					
		32-50	BRCWMABK	FR SS SP	FEW FE DEPL				
4	L/5%	0-13	BSLG	FR SS SP		50			PS 0.275
		13-50	BRCWFABK	FR SS SP	FEW FE DEPL				

LICENSED SOIL SCIENTIST SAMUEL A. ROLLANS STATE OF NORTH CAROLINA 1231

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted(25%)	Accepted(25%)
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Ashley Rollans
OTHER(S) PRESENT: _Mason Freeman & Chad Wagner_

COMMENTS

County: Iredell

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4776721452

Issued To: Colby Lewis

Property Location: McAllister Rd

Subdivision: Swann Crossing PH Lot #: 6 Block: _____ Section: _____

LSS Report Provided: Yes ☑ No ☐

If yes, name and license number of LSS: Samuel Ashley Rollans #1731

New ☑ Repair ☐ Expansion ☐ System Relocation ☐

Proposed Structure: Residence

Proposed Wastewater System Type: Accepted (Initial) Accepted (Repair)

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

Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): 0.25 Proposed LTAR (Repair): 0.25

Design Wastewater Strength: ☑ domestic ☐ high strength ☐ industrial process

Number of bedrooms: 3 Number of Occupants: 6 Other: _____

Pump Required: ☐ Yes ☑ No ☐ May be required based upon final location and elevations of facilities

Artificial Drainage Required: ☐ Yes ☑ No If yes, please specify details: _____

Type of Water Supply: ☐ Private well ☐ Public well ☐ Municipal Supply ☐ Spring ☑ Other: County Water

Drainfield location meets requirements of Rule .1945: Yes ☑ No ☐

Drainfield location meets requirements of Rule .1950: Yes ☑ No ☐

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

Permit conditions:

Licensed Soil Scientist Print Name: Samuel Ashley Rollans

Licensed Soil Scientist Signature: Samuel A Rollans Date: 11/21/22

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

See attached site sketch

County: Iredell

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4776721452

Issued To: Colby Lewis

Property Location: McAllister Rd

AOWE/PE Plans/Evaluations Provided: Yes ☑ No ☐ If yes, name and license number of AOWE/PE: Samuel Ashley Rollins 10027-E

Facility Type: Residence

☐ New ☐ Expansion ☐ Repair System Relocation ☐

Basement? ☐ Yes ☑ No Basement Fixtures? ☐ Yes ☐ No

Type of Wastewater System** Accepted (Initial) Accepted (Repair)

Design Daily Flow: 360 GPD Wastewater Strength: ☑ domestic ☐ high strength ☐ industrial process

Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☑ No

Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 360 feet Trench/Bed Spacing: 9 feet on center

Drainfield square footage: 1080 Trench/Bed Width: 36 inches LTAR: 0.25 gpd/ft²

Soil Cover: 6 inches min Slope Adjusted Maximum Trench/Bed Depth: 24 inches (Low Side)

Aggregate Depth: _____ inches above pipe _____ inches below pipe _____ inches total

Pump Tank Size (if applicable): _____ gallons Requires more than 1 pump? ☐ Yes ☐ No

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

Distribution Method: ☑ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: _____

Artificial Drainage Required: Yes ☐ No ☑ If yes, please specify details: _____

Legal Agreements *(If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)*

Multi-party Agreement Required [.1937(h)]: Yes ☐ No ☑

Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: ☐ Yes ☑ No

Declaration of Restrictive Covenants: ☐ Yes ☑ No

****If applicable:**

I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Print Name: _____

Owner/Legal Representative Signature: _____ Date: _____

Pre-Construction Conference Required: Yes ☐ No ☑

Conditions: _____

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Samuel Ashley Rollins

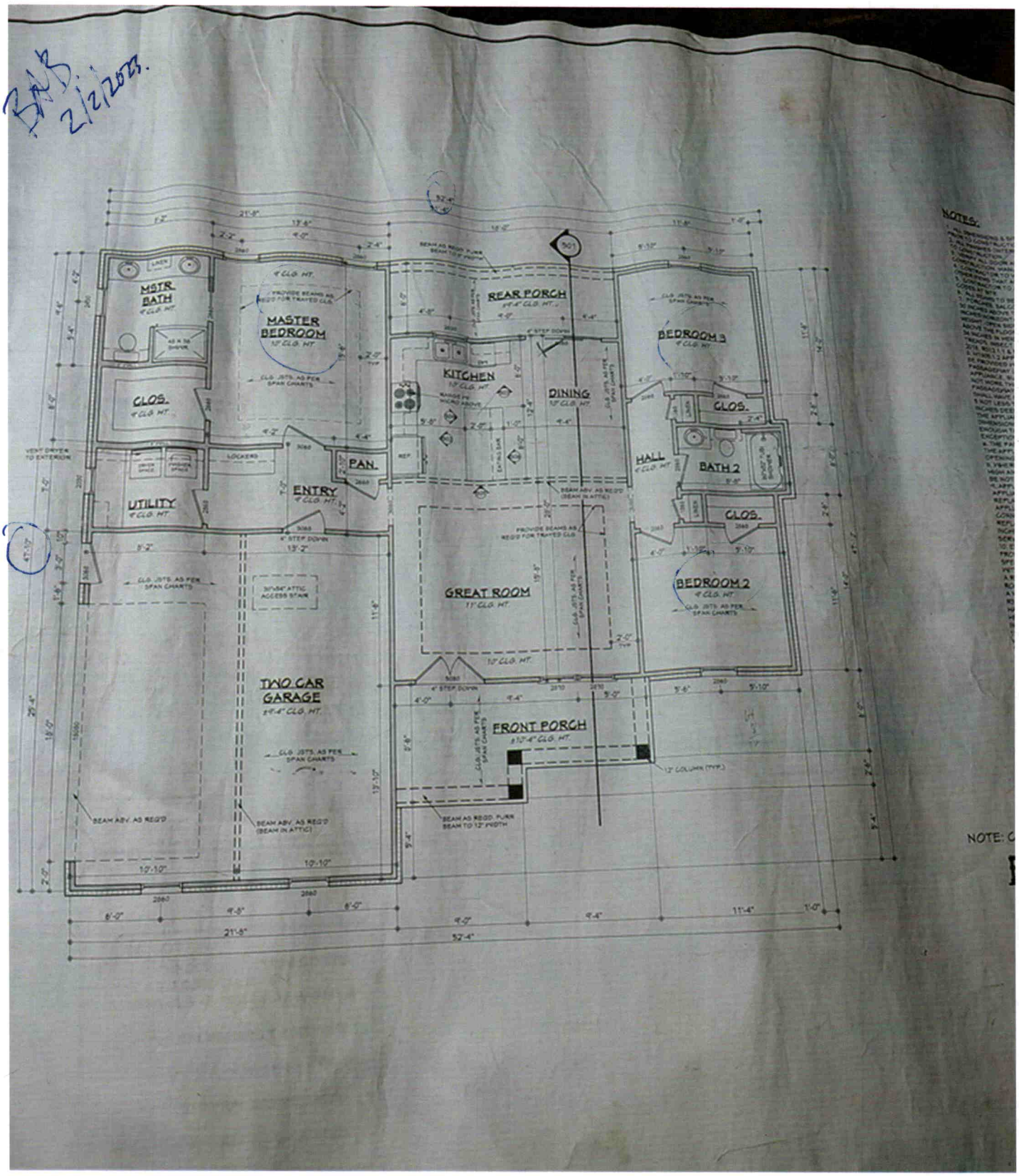
AOWE/PE Signature: Samuel Ashley Rollins Date: 11/21/22

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

See attached site sketch

ONSITE WASTEWATER Certificate Number 10027-E EVALUATOR

BAB
2/2/2023.


MSTR BATH
MASTER BEDROOM
CLOS.
UTILITY
ENTRY
PAN.
KITCHEN
DINING
REAR PORCH
GREAT ROOM
TWO CAR GARAGE
FRONT PORCH
BEDROOM 3
CLOS.
HALL
BATH 2
CLOS.
BEDROOM 2
NOTES: