ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP326565

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

PIN # 4684 -19 -5417

APPLICANT/OWNER: Jason + Gabriella Espanda APPLICANT ADDRESS: 105 Long Leaf Drive Mooresville NC 28117

SITE ADDRESS: 147 Rusk Road Mooresville NC 28117 PHONE: 704 619-6625 ALT. PHONE

SITE DIRECTIONS: Hwy 3 Patheson Farm Rd Rusk Road. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Darlene Patheson SECTION: 1 LOT # 4 LOT AREA: 5.75 Ac DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	760	Date	5/9/2023	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank	(gal)	PT		Date		System Description:	Gravity - 25% Reduction	☐ Business	No. Persons 8
Pump Make		Model		Serial #		Repair System Description:	Gravity - 25% Reduction	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft	400	Maintenance Agreement Required:	☐ YES ☒ NO	☒ Slab	☐ Crawl Space
Trench Width	36in	Trench Bottom Depth(Low side)	32in	Gravel Depth	—	☒ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

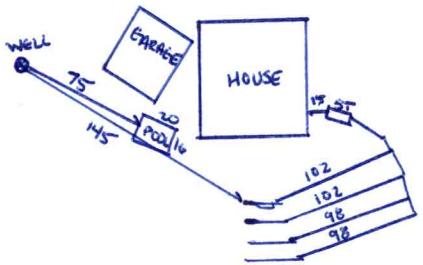
Soil + Forestry Services of the Carolinas PA

LSS # 1231 Dated March 4th 2022.

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Installed as shown. Pool moved in field. Staked at time of inspection



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: [signature] Date: 4/4/22 Installed by: Full Service Septic

IMPROVEMENT PERMIT by: Benjamin A Butts Date: 3/25/2022 OPERATION PERMIT by: Sarah Bradley Date: 6/30/2023

AUTHORIZATION TO CONSTRUCT by: Benjamin A Butts Date: 3/25/2022 Existing System Inspected by: Date:

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

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP326565

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

PIN # 4684 -19 -5417

APPLICANT/OWNER: Jason + Gabriella Esparza APPLICANT ADDRESS: 105 Long Leaf Drive Mooresville NC 28117

SITE ADDRESS: 147 Rustic Road Mooresville NC 28117 PHONE: 704 619-6685 ALT. PHONE —

SITE DIRECTIONS: Hwy 3 Patheson Farm Rd Rustic Road. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Dadene Patheson SECTION: 1 LOT # 4 LOT AREA: 5.75 Ac DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	4	Water Supply
Pump Tank	(gal)	PT	Date	System Description:	Gravity - 25% Reduction			☐ Business	No. Persons	8	☒ Private
Pump Make	Model		Serial #	Repair System Description:	Gravity - 25% Reduction			☐ Other	No. Employees		☐ Public
# Nitrification Fields	1 # Lines	4	Linear Ft 400	Maintenance Agreement Required:	☐ YES	☒ NO		☒ Slab	☐ Crawl Space		☐ Community
Trench Width	36in Trench Bottom Depth(Low side)	32in	Gravel Depth —		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Soil + Forestry Services of the Carolinas PA

LSS # 1231 Dated March 9th 2022.

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

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: Gabriella Esparza Date: 4/4/22 Installed by:

IMPROVEMENT PERMIT by: Benjamin A Butts Date: 3/25/2022 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Benjamin A Butts Date: 3/25/2022 Existing System Inspected by: Date:

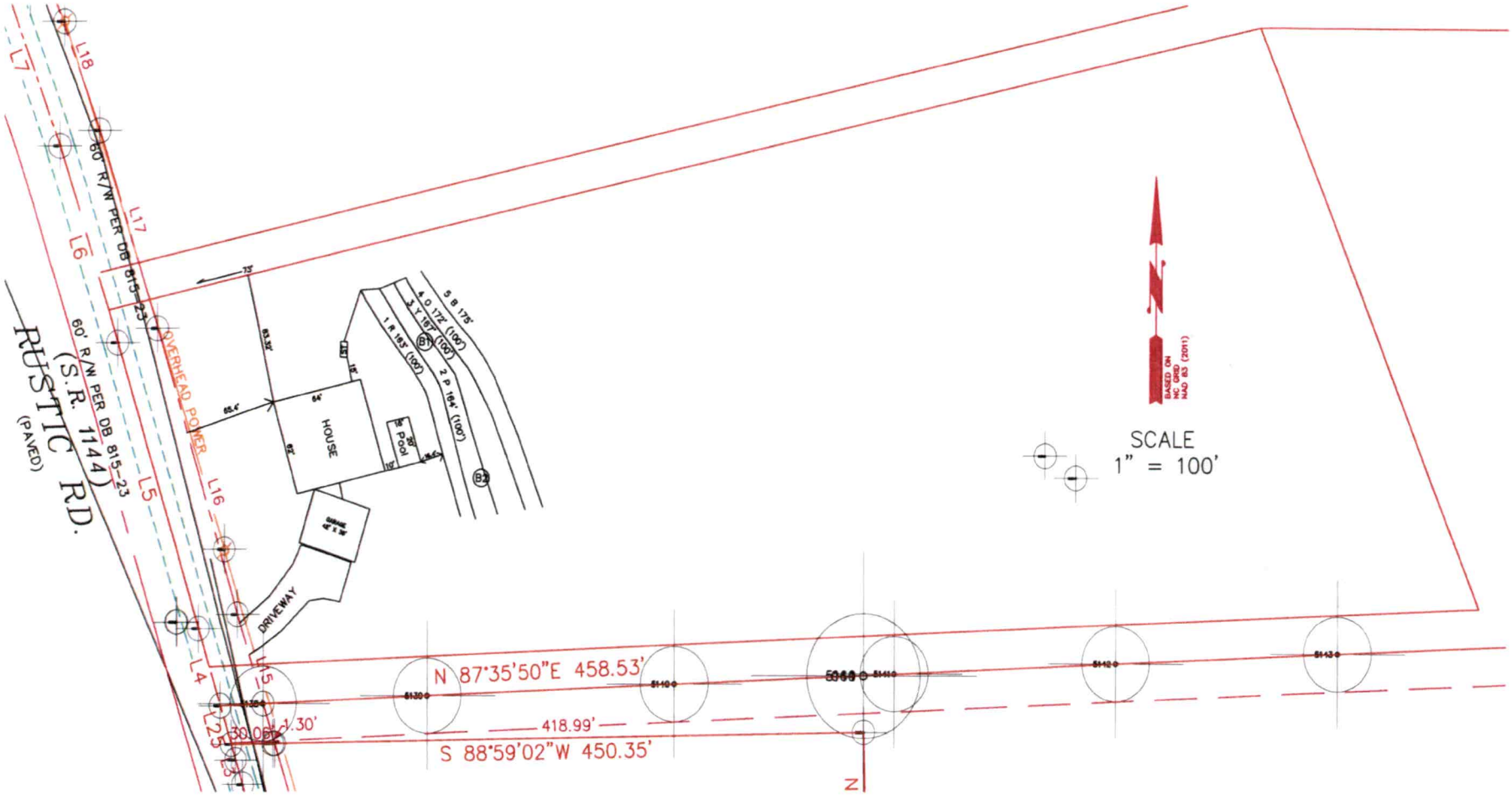
FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

BASED ON
NC GRID
NAD 83 (2011)

SCALE
1" = 40

N 87°35'50"E 458.53

5 B 175'
4 O 172' (100')
3 Y 167' (100')
2 P 164' (100')
1 R 163' (100')
B1
B2
16.4'
20'
16' Pool
10'
15'
ST
HOUSE
64'
62'
GARAGE
42' x 36'
DRIVEWAY
83.32'
73'
65.4'
5130
L15
L16
L4
L5
L6
L17
OVERHEAD POWER
PER DB 815-23
60' R/W PER DB 815-23
(S.R. 1144)
TIC RD.


L18
L17
L7
L6
L5
L4
L3
L2
L1
60' R/W PER DB 815-23
60' R/W PER DB 815-23
RUSTIC RD.
(S.R. 1144)
(PAVED)
OVERHEAD POWER
HOUSE
POOL
DRIVEWAY
5 B 175'
4 D 177' (100')
3 C 187' (100')
2 P 164' (100')
1 R 183' (100')
N 87°35'50"E 458.53'
418.99'
S 88°59'02"W 450.35'
30.06'
1.30'
SCALE
1" = 100'
BASED ON
NC GRID
NAD 83 (2011)

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 22-0021
March 9th, 2022

Jason & Gabriella Espada
Attn: *Jason & Gabriella Espada*
Email: epadaj19@gmail.com

RE: Soil & Site Evaluation for a 4 Bedroom Residence at Rustic Rd (LOT 4), Mooresville, NC 28117, PIN # (4684195417), Iredell County.

Jason & Gabriella:

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 mostly open pasture. Topography within the evaluated area was gentle slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Pyramid Surveying. The Surveyor provided an Autocad File of the survey as a basemap. The proposed septic layout was located via measuring tape/GPS and used to produce the attached *Site Plan*. The house envelope was located by the client and GPS located in the field. The attached Survey illustrates the acreage along with metes and bounds.

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 two boring locations on the property flagged and located via GPS. All 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 client. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by tape measure and GPS. Detailed system & repair information is summarized in the following paragraph for this Lot.

Rustic Rd Lot 4 (*See Attached Design*)

The septic layout for this lot (9' centers) yielded a total of 841 linear feet of line. The primary system is proposed as 400 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth (Low Side) is specified at 32 inches. The repair system is proposed as 400 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth (Low Side)is specified at 32 inches. There is 441 linear feet of repair available.

Session Law Requirements

An LSS Evaluation may be submitted in conjunction with a complete application to the LHD. 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 Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.(c).".

Owner Date

Print Name Jason Esposito / Gabriella Esposito

Signature _____ 3/11/22

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 SL 2018-114 Section 11.(c)."

Disclaimer

This report reflects the findings of S&FS, PA. *This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).* Any site modifications that impact the proposed septic areas at Rustic Rd Lot 4 Mooresville, NC 28117 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,

LICENSED SOIL SCIENTIST
Samuel A. Rollans
1231
STATE OF NORTH CAROLINA

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 4 bedroom single family residence at Rustic Rd, Lot 4, PIN#(4684195417) Mooresville 28115, Iredell County, NC.

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

Septic Application---------- 8-9

Agent Authorization---------- 10

Green Sheet---------- 11

Subdivision Plat---------- 12

LICENSED SOIL SCIENTIST
Samuel A. Rollins
1231
OF NORTH CAROLINA

March 9, 2022
Project #: 22-0021
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:	Jason & Gabriella Espada
Address:	105 Longleaf Dr. Mooresville, NC 28117
Phone:	704.619.6695
County:	Iredell
Location:	Rustic Rd Mooresville, NC 28115
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	400	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Trench Depth (LOW SIDE):	32 in.	Repair Trench Bottom 32 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	36	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	23.51	
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	

Rustic Rd

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	1200
TOTAL LATERAL LENGTH:	400
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	400
SUPPLY LINE LENGTH:	36
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 - Rustic Rd- Lot 4

Project #: 22-0021

LAYOUT FOR 4 BEDROOM HOME

March 9, 2022

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***RED***					***163***	***100***
2	***PINK***					***164***	***100***
3	***YELLOW***					***167***	***100***
4	***ORANGE***					***172***	***100***
5	BLUE					175	100
					Total	841	500

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
****System***	***400***	***0.300***	***ACCEPT.***	***0.300***	***25% RED***	***GRAVITY***
Repair	441	0.300	ACCEPT.	0.300	25% RED	GRAVITY

Notes:

**All measures in feet

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

**Nitrification lines were located by tape measures & GPS.

**Property lines, corners & house were located by a Professional Land Surveyor.

CALCULATIONS

Location	Rustic Rd Mooresville, NC 28115	
Project Number	22-0021	
Lot No:	4	
No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.300	$^{gal}/_{ft^2\,day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	36	ft.
Supply Line Volume	23.508	gal.
Required Feet of Line	400	ft.
Amount of Line from Layout	400	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

Sheet 1 of 1
PROPERTY ID #: 4684195417
COUNTY: Iredell

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

OWNER: Jason & Gabriella Espada
ADDRESS: 105 Longleaf Dr, Mooresville NC 28117
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480gpd
LOCATION OF SITE: Rustic Rd, Mooresville NC 28115
APPLICATION DATE
DATE EVALUATED: 2/10/22
PROPERTY SIZE: 5.75AC
PROPERTY RECORDED: Yes

WATER SUPPLY: ☐ Private ☐ Public ☑ ~~Well~~ ☐ Spring ☐ Other
EVALUATION METHOD: ☑ ~~Auger Boring~~ ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ ~~Sewage~~ ☐ Industrial Process ☐ Mixed

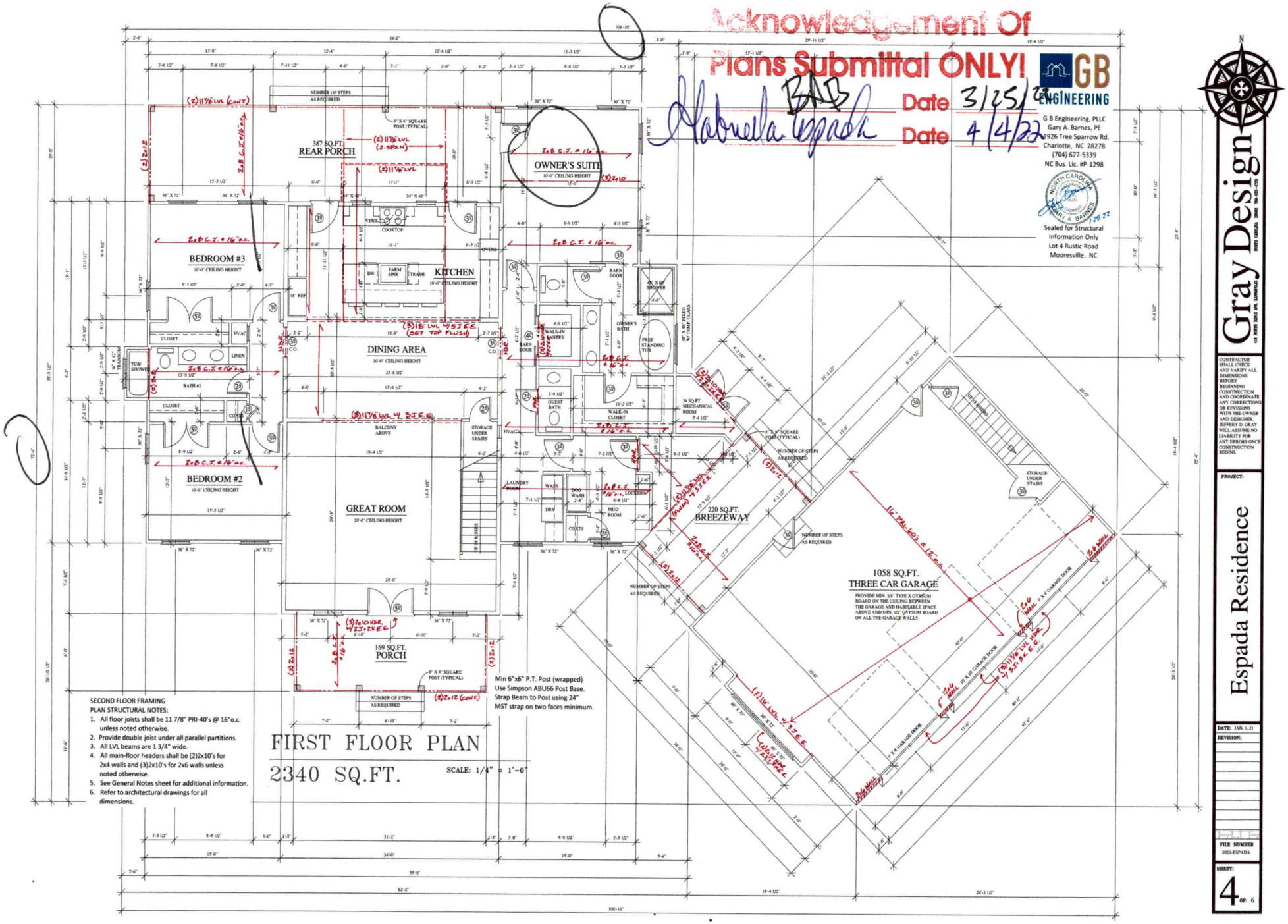
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 1	L/6%	0-4	BCL wfsbk	Fr SS SP SE:SP					PS
		4-38	BRC wmsbk	Fr SS P					0.3
		38-50	RBCL/SCL wmsbk	Fr SS SP	Few SAP	50	—	—	
B 2	L/6%	0-5	BCL wfsbk	Fr SS SP SE:P					PS
		5-44	BRC wmsbk	Fr SS P					0.3
		44-50	RBCL wfsbk	Fr SS SP	Few SAP	50	—	—	
3									
4									

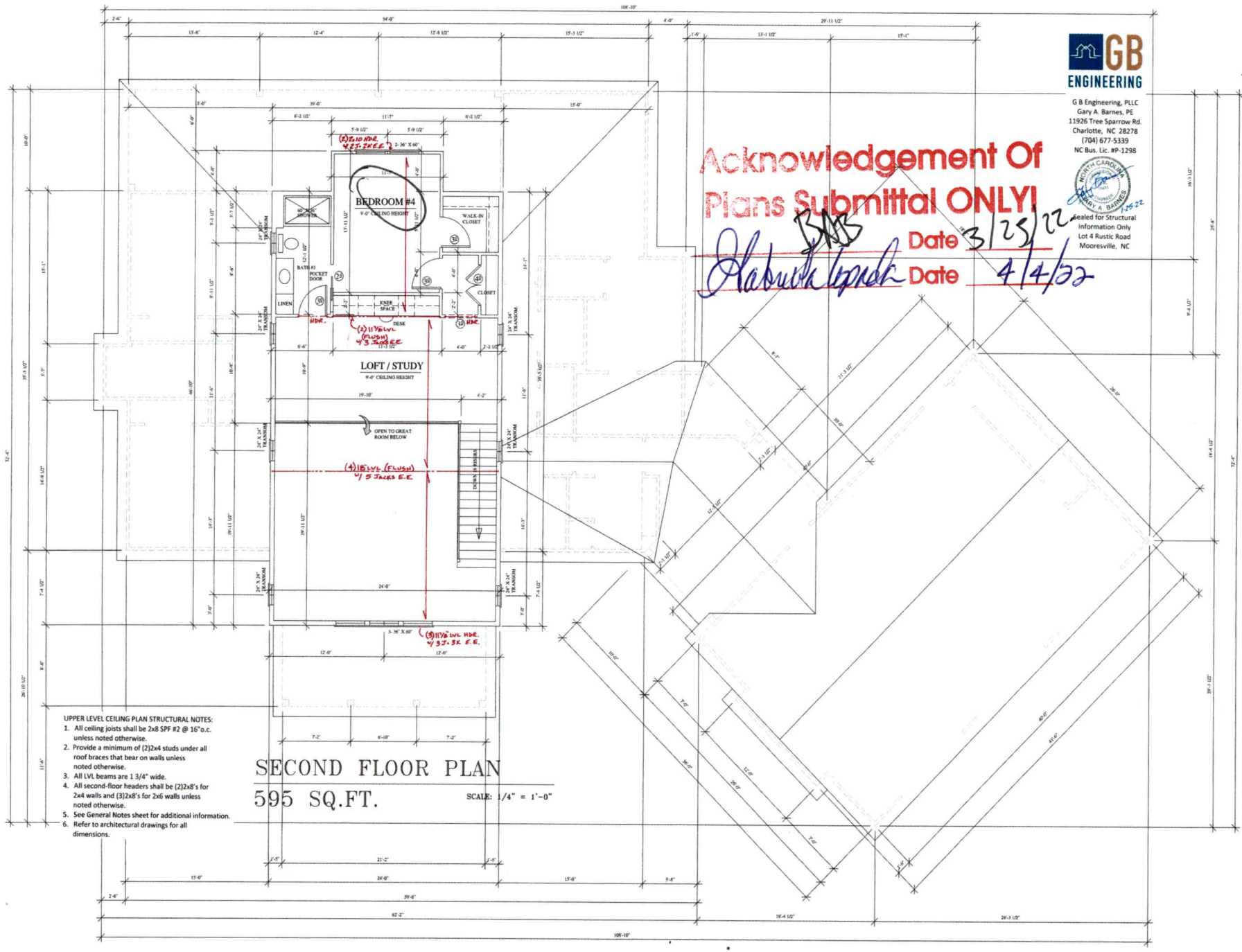
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted 25%	Accepted 25%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans
OTHER(S) PRESENT: Chad Wagner

LICENSED SOIL SCIENTIST — 1231 — STATE OF NORTH CAROLINA

COMMENTS:


Acknowledgement Of
Plans Submittal ONLY!
Date 3/25/22
Date 4/4/22
GB ENGINEERING
G B Engineering, PLLC
Gary A. Barnes, PE
3926 Tree Sparrow Rd.
Charlotte, NC 28278
(704) 677-5339
NC Bus. Lic. #P-1298
NORTH CAROLINA ENGINEER GARY A. BARNES
1-7-22
Sealed for Structural Information Only
Lot 4 Rustic Road
Mooresville, NC
387 SQ.FT. REAR PORCH
OWNER'S SUITE
10'-0" CEILING HEIGHT
BEDROOM #3
10'-0" CEILING HEIGHT
KITCHEN
10'-0" CEILING HEIGHT
DINING AREA
10'-0" CEILING HEIGHT
BEDROOM #2
10'-0" CEILING HEIGHT
GREAT ROOM
20'-0" CEILING HEIGHT
169 SQ.FT. PORCH
220 SQ.FT. BREEZEWAY
1058 SQ.FT. THREE CAR GARAGE
PROVIDE MIN. 5/8" TYPE X GYPSUM BOARD ON THE CEILING BETWEEN THE GARAGE AND HABITABLE SPACE ABOVE AND MIN. 1/2" GYPSUM BOARD ON ALL THE GARAGE WALLS
Min 6"x6" P.T. Post (wrapped)
Use Simpson ABU66 Post Base.
Strap Beam to Post using 24"
MST strap on two faces minimum.
SECOND FLOOR FRAMING
PLAN STRUCTURAL NOTES:
1. All floor joists shall be 11 7/8" PRI-40's @ 16"o.c. unless noted otherwise.
2. Provide double joist under all parallel partitions.
3. All LVL beams are 1 3/4" wide.
4. All main-floor headers shall be (2)2x10's for 2x4 walls and (3)2x10's for 2x6 walls unless noted otherwise.
5. See General Notes sheet for additional information.
6. Refer to architectural drawings for all dimensions.
FIRST FLOOR PLAN
2340 SQ.FT.
SCALE: 1/4" = 1'-0"
N
Gray Design
CONTRACTOR SHALL CHECK AND VARIFY ALL DIMENSIONS BEFORE BEGINNING CONSTRUCTION AND COORDINATE ANY CORRECTIONS OR REVISIONS WITH THE OWNER AND DESIGNER. JEFFERY D. GRAY WILL ASSUME NO LIABILITY FOR ANY ERRORS ONCE CONSTRUCTION BEGINS.
PROJECT:
Espada Residence
DATE: JAN. 1, 21
REVISION:
FILE NUMBER
2022-ESPADA
SHEET:
4
OF: 6



UPPER LEVEL CEILING PLAN STRUCTURAL NOTES:

1. All ceiling joists shall be 2x8 SPF #2 @ 16"o.c. unless noted otherwise.
2. Provide a minimum of (2)2x4 studs under all roof braces that bear on walls unless noted otherwise.
3. All LVL beams are 1 3/4" wide.
4. All second-floor headers shall be (2)2x8's for 2x4 walls and (3)2x8's for 2x6 walls unless noted otherwise.
5. See General Notes sheet for additional information.
6. Refer to architectural drawings for all dimensions.

SECOND FLOOR PLAN

595 SQ.FT.

SCALE: 1/4" = 1'-0"

Acknowledgement Of Plans Submittal ONLY!

Date 3/25/22

Date 4/4/22

GB ENGINEERING
G B Engineering, PLLC
Gary A. Barnes, PE
11926 Tree Sparrow Rd.
Charlotte, NC 28278
(704) 677-5339
NC Bus. Lic. #P-1298

Sealed for Structural Information Only
Lot 4 Rustic Road
Mooresville, NC

Gray Design
418 NORTH MAIN ST. KANNAPOLIS NORTH CAROLINA 28081 704-933-4729

CONTRACTOR SHALL CHECK AND VARIFY ALL DIMENSIONS BEFORE BEGINNING CONSTRUCTION AND COORDINATE ANY CORRECTIONS OR REVISIONS WITH THE OWNER AND DESIGNER. JEFFERY D. GRAY WILL ASSUME NO LIABILITY FOR ANY ERRORS ONCE CONSTRUCTION BEGINS.

PROJECT: Espada Residence

DATE: JAN. 1, 21

REVISION:

FILE NUMBER 2022-ESPADA

SHEET: 5 OF: 6

RECEIVED MAR 1 6 2022

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE
OR IT WILL NOT BE PROCESSED Paid $500.00

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM* Session Law AP-326565

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Jason + Gabriella Espada **Address:** 105 Long Leaf Dr. Mooresville NC **Zip:** 28117
Applicant Email: espadaj19@gmail.com **Phone:** 704-619-6695 **Alt. Phone:** _____
Owner Name: Same **Address:** Same **Zip:** _____
Owner Email: Same **Phone:** Same **Alt. Phone:** _____

Property Information:

Street Address: 147 Rustic Rd Mooresville NC 28117
Subdivision Name: _____ **Section/Phase:** PH 1 **Lot Number:** 4
Driving Directions: HWY 3, Patterson Farm Rd, Rustic Rd

Site Development Information: *(check or complete ALL that apply*

(✓) New Single Family Residence — Maximum Number of Bedrooms: 4 — **CHECK FOUNDATION TYPE**
( ) New Multi-Family Residence — Maximum Number of Occupants: 8 — ( ) Crawl Space Foundation
( ) Accessory Building — ( ) Swimming Pool — (✓) Concrete Slab Foundation
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: _____ — ( ) Basement with Plumbing
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____ — ( ) Basement without Plumbing
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply:

( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

( ) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)*

Year existing system installed: _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (✓) Other: Accepted

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

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.

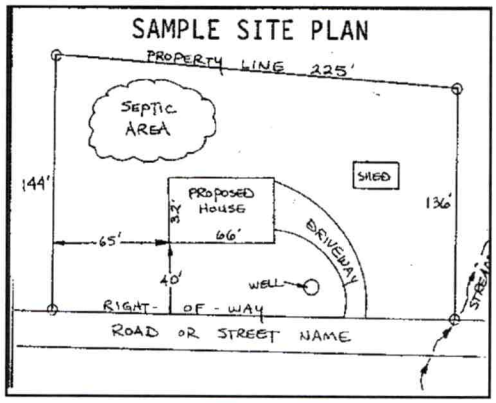
Signature: _____ 3/11/22
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*



Place an (X) beside each item as you complete the site plan:

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location and well location
- (X) Area you prefer your septic system to be placed
- ( ) North arrow, or other sufficient indicator of direction

Circle N/A on the following if appropriate:

- Location of septic systems and wells within 100' of your property (N/A)
- Location of easements and rights of ways on your property (N/A)
- Location of any designated wetlands on the property (N/A)

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See attached

Signature: Samuel A Tollison

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

3/11/22

DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☐ **1. * APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative: *Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship* In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:
Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form. If there are multiple property owners, then all property owners must sign the form that designates a legal representative.
By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified **by the local health department.**

☐ **2.** I, Jason & Gabriella Espada, am the legal owner(s) of the property located at Rustic Rd Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4684195417, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) SFS / Ashley Rollans, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Gabriella Espada / Jason Espada — Signature of Owner(s)

3/11/22 — Date

Mooresville - Environmental Health

Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health

ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

*** Initial all lines below to indicate you have submitted each form and completed every site requirement ****

SAR **Complete all Environmental Health forms**:

- ___ Application
- ___ Site Plan including the dimensions of proposed structure, addition, pool etc.
- ___ Documentation to Authorize Owner Agent (even if the property owner is the applicant – complete section 1 or 2)
- ___ Copy of Zoning Permit when applicable
- ___ Sign this sheet after you have completed all items

SAR **Lot must be cleared of heavy undergrowth**. In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with 50 feet of visibility in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

SAR **Clearly mark all property corners by locating existing iron or concrete markers.** Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only). 'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged**.

SAR **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted**. The proposed structure, etc. must be staked out on the property as per the site plan.

SAR **If an Authorization to Construct (AC) is desired,** submit a recorded copy of the plat for newly created or subdivided lot(s) and a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application. *Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are nonrefundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.*

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.

- **All utilities shall be marked before pits are dug. Call NC 811 for this service.**
- The applicant/agent is responsible for securing these services
- Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.
- The EH specialist will contact you when your application is ready to be processed for pit scheduling.
- Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.

By signing below, I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature Samuel C Tallman **Date** 3/11/22

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625