BCW

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 311786

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

PIN # 4721 -40 -1930

APPLICANT/OWNER: Nest Homes | APPLICANT ADDRESS: 236 Raceway Dr. Suite 7 Mooresville NC 28117.

SITE ADDRESS: 147 Powder Springs Drive Statesville NC 28677 | PHONE: 704 202-1524 | ALT. PHONE: -

SITE DIRECTIONS: East Monbo to Christine Dr Powder Spring Drive | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Powder Spring Creek | SECTION: - | LOT # 1 | LOT AREA: 1.0128 | DESIGN FLOW: 480 | L.T.A.R.: .275

Septic Tank 1000 (gal) STB Date | Pump Tank (gal) PT Date | Pump Make Model Serial # | # Nitrification Fields 1 | # Lines 9 | Linear Ft: 437 | Trench Width 36 | Trench Bottom Depth 22 in max | Gravel Depth -

☒ New System ☐ Repair ☐ Expansion | System Type: I II ⓘ IV V VI

System Description: Gravity - 25% Reduction.

Repair System Description: Drip

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/ plumbing

No. Bedrooms 4 | No. Persons 8 | No. Employees | ☒ Crawl Space

Water Supply: ☒ Private ☐ Public ☐ Community

☐ Basement w/o plumbing

Comments / Conditions: Type 3 soil cover to be approved by ICHD during Installation.

Foundation changed to slab. Floorplans show bigger house but does not impact septic area per surveyor site plan. Must install 4 bedroom system.

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

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 AT A 36 IN MAX TRENCH DEPTH SYSTEM IS NON SAP CONTROLLED

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: 2/4/21 | Installed by: PATRIOT SEPTIC

IMPROVEMENT PERMIT by: [signature] Date: 1-25-2021. | OPERATION PERMIT by: [signature] Date: 2-22-2023

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 6/30/22 | Existing System Inspected by: Date:

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

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 20-0059
October 9th, 2020

NEST HOMES
Attn: *Michael Wetter*
Email: mwetter@nesthomes.com

RE: Soil & Site Evaluation for a 4 Bedroom Residence on Lot 1 Powder Spring Creek Subdivision, 1.028 ac Parcel, PIN# 4721412167, Powder Spring Drive, Statesville, NC 28677.

Mr. Wetter:

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 mixed pine/hardwood. Topography within the evaluated area was gently slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Patterson Land Surveying. The client provided an Autocad File of a survey as a basemap. The proposed septic layout was located via Trimble Submeter GPS/tape measures and used to produce the attached *Site Plan*. The house envelope was located via Survey by Patterson Land Surveying.

Methodology

We evaluated soil areas through the use of backhoe pits. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with twelve pit locations on the property flagged and located via GPS. Nine of the twelve backhoe pits are located in or adjacent to 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 pit. The house envelope was located via survey. An on-ground layout of system was performed using a laser level. The drip irrigation repair area was based upon square footage of area. Pin flag locations of the layout were also located by GPS and tape measures. Detailed system & repair information is summarized in the following paragraph for this Lot.

Lot 1 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 442 linear feet of line. The primary system is proposed as 436 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 22 inches. The repair system is proposed as 5,800 square feet of Innovative Drip Irrigation drainfield with low pressure distribution. Trench depth is specified at 6 inches.

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 Mr. Weiler
Signature _____ 10/14/20

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 on Lot 1 of Powder Spring Creek Subdivision 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 4 bedroom single family residence on Lot 1 Powder Spring Creek Subdivision, Statesville 28677, Iredell County, NC. PIN#: 4721412167

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- Layout Specifications---------- 4

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10/08/2020
Project #: 20-0059
Design By: Soil & Forestry Services of the Carolinas, PA

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 on Lot 1 Powder Spring Creek Subdivision, Statesville 28677, Iredell County, NC. PIN#: 4721412167

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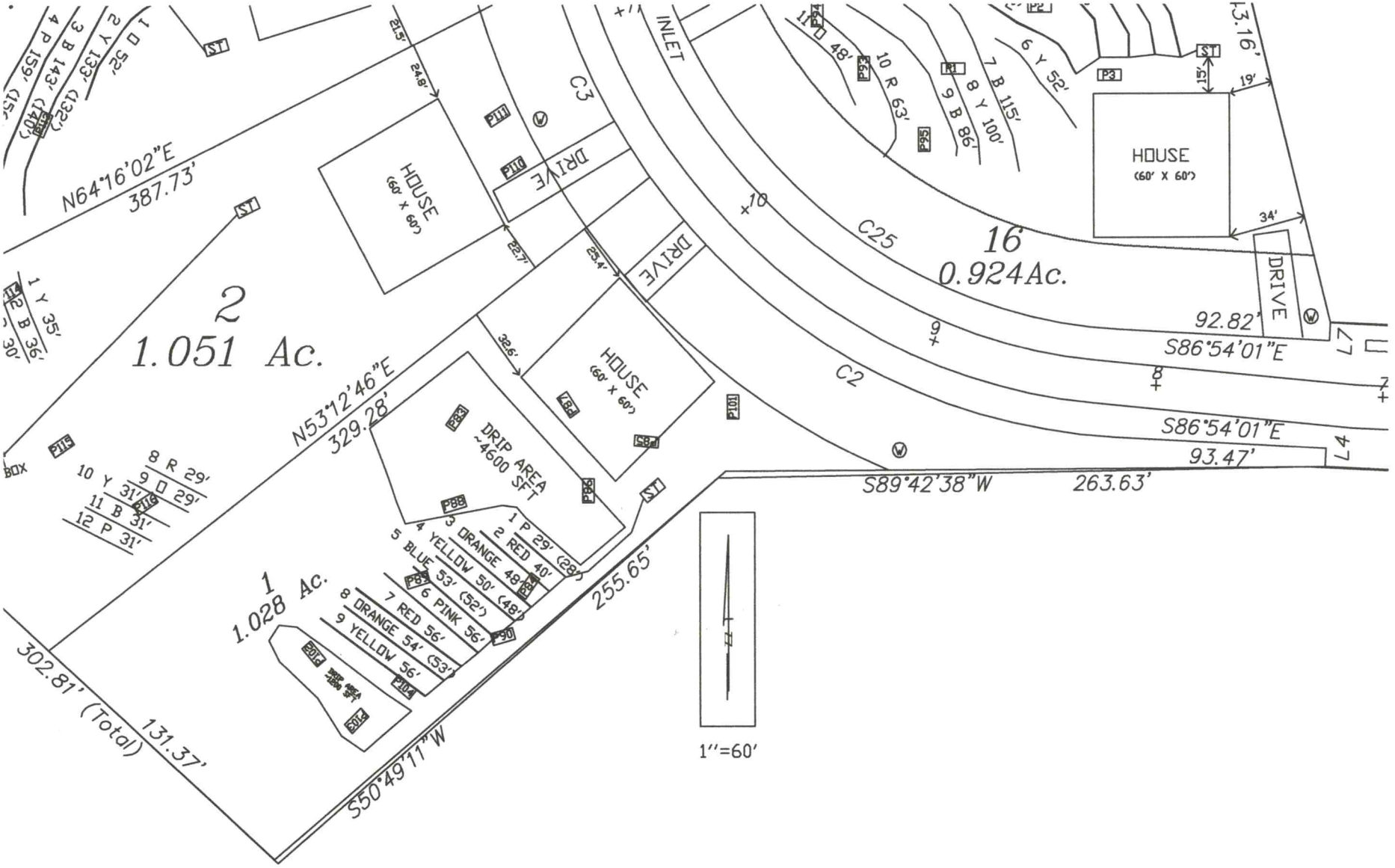
Agent Authorization Form---------- 16

10/08/2020
Project #: 20-0059
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 an innovative drip irrigation installation .


HOUSE
(60' X 60')
DRIVE
C3
INLET
C25
C2
16
0.924Ac.
2
1.051 Ac.
1
1.028 Ac.
DRIP AREA
~4600 SFT
N64°16'02"E
387.73'
N53°12'46"E
329.28'
S89°42'38"W
263.63'
S86°54'01"E
92.82'
S86°54'01"E
93.47'
S50°49'11"W
255.65'
302.81' (Total)
131.37'
1"=60'

GRAVITY ACCEPTED SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	Nest Homes
Address:	236 Raceway Drive (Suite 7) Mooresville, NC 28117
Phone:	704.202.1524
County:	Iredell
Location:	Powder Spring Drive Lot 1
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	437	
Loading Rate (gpd/ft.^{2}):	0.275	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	22 in.	Repair Trench Bottom 6 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	51	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	33.30	
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	

Powder Spring Drive

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.275
TOTAL AREA TRENCH BOTTOM:	1311
TOTAL LATERAL LENGTH:	437
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	436.36
SUPPLY LINE LENGTH:	51
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 - Powder Spring Creek - Lot 1

Project #: 20-0059

LAYOUT FOR 4 BEDROOM HOME 10/08/2020

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***PINK***					***29***	***28***
2	***RED***					***40***	***40***
3	***ORANGE***					***48***	***48***
4	***YELLOW***					***50***	***48***
5	***BLUE***					***53***	***52***
6	***PINK***					***56***	***56***
7	***RED***					***56***	***56***
8	***ORANGE***					***54***	***53***
9	***YELLOW***					***56***	***56***
10	DRIP REPAIR					~4,600 SF	~4,600 SF
11	DRIP REPAIR					~1,200 SF	~1,200 SF
					Total	442	437

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
**** System***	***437***	***0.275***	***ACCEPT.***	***0.275***	***25% RED***	***GRAVITY***	22"
Repair	~5,800 SF	0.100	INNOV	0.100	DRIP IRRIGATION	LOW PRESSURE	6"

Notes: **All measures in feet

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

**Nitrification lines were located by GPS and tape measure.

** Property corners & lines located by survey (Patterson Land Surveyors)

CALCULATIONS

Location	Powder Spring Creek Subdivision Off Levi Lane	
Project Number	20-0059	
Lot No:	1	
No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.275	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	51	ft.
Supply Line Volume	33.303	gal.
Required Feet of Line	436.36	ft.
Amount of Line from Layout	437	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

CALCULATIONS

Location	Powder Spring Creek Subdivision Off Levi Lane	
Project Number	20-0059	
Lot No:	1	
No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.275	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	51	ft.
Supply Line Volume	33.303	gal.
Required Feet of Line	436	ft.
Amount of Line from Layout	436	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
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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

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4721412167
DATE OF EVALUATION: 2020
COUNTY: Iredell

Lot 1

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 87	L/4%	0-7	BSL Gr	Fr SS SP SEXP					PS
		7-26	BRSC wmsbk	Fr SS SP SEXP					
		26-40	RBSCL vwfsbk	Fr SS SP SEXP	- C. SAP	40	PS	-	0.3-.325
		40-62	VAR SL MASS	Fr SS SP					
P 88	L/7%	0-10	BSL Gr	Fr SS SP SEXP					PS
		10-22	RBSCL wfsbk	Fr SS SP SEXP					
		22-40	BRSC/SCL wfsbk	Fr SS SP SEXP	- Few to C SAP	40	UN	-	0.275-0.3
		40-60	VAR SL MASS	H SS SP SEXP	- Hard Schist Veins				
P 89	L/8%	0-10	BSL Gr	Fr SS SP SEXP					PS
		10-19	BSCL wfsbk	Fr SS SP SEXP					
		19-30	BRSC wfsbk	Fr SS SP SEXP	- Few SAP/with bk	36	PS	-	0.275
		30-36	RBSCL vwfsbk	Fr SS SP SEXP	- C. SAP - Schist Veins ~20%				
		36-64	VAR SL MASS	Fr SS SP					
P 90	L/8%	0-10	BSL Gr	Fr SS SP SEXP					PS
		10-22	BSCL wfsbk	Fr SS SP SEXP					
		22-36	BRSC/C wmsbk	Fr SS SP SEXP		44	PS		0.3-0.325
		36-44	RBSCL wfsbk	Fr SS SP SEXP					
		44-60	VAR SL MASS	Fr SS SP SEXP					
P 101	L/5%	0-3	BSL Gr	Fr SS SP SEXP					PS
		3-8	RBCL wfsbk	Fr SS SP SEXP					
		8-23	BRC wmsbk	Fr SS SP					0.3-.325
		23-41	RBSCL wfsbk	Fr SS SP	- C. to Many SAP @23"	41"	PS		

COMMENTS:

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

PROPERTY ID #: 4721412167
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Nest Homes (Buyer)
ADDRESS: 236 Raceway Dr. Suite 7, Mooresville NC 28117
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480gpd
LOCATION OF SITE: Powder Spring Dr., Statesville NC 28677 Lot 1
WATER SUPPLY: ☑ Private ☐ Public ☑ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE
DATE EVALUATED: 2020
PROPERTY SIZE: 1.028ac
PROPERTY RECORDED:

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
P83	L/6%	0-7	BSL Gr	Fr SS SP SEXP					PS
		7-22	BRC wmAbk/sbk	Fr SS SP SEXP					to 38"
		22-38	RBSCL wfsbk	Fr SS SP SEXP	Few to C. SAP, Few Schist Veins ~15%	38	UN		0.25-.275
		38-50	VAR SL MASS	H SS SP	Hard				
P84	L/10%	0-11	BSL Gr	Fr SS SP SEXP					PS
		11-26	BSCL wfsbk	Fr SS SP SEXP					
		26-43	RBSCL/CL wfsbk	Fr SS SP SEXP	C. SAP	43	PS	—	0.3-.325
		43-60	VAR SL MASS	Fr SS SP					
P85	L/5%	0-7	BSCL wfsbk	Fr SS SP SEXP					PS
		7-24	BRC wmsbk/Abk	Fr SS SP SEXP					
		24-38	RBCL wmsbk	Fr SS SP SEXP	Few SAP, Schist Veins ~20%	38	UN		0.25-0.275
		38-54	VAR SL MASS	H SS SP					
P86	L/5%	0-11	BSL Gr	Fr SS SP SEXP					PS
		11-23	BSCL wfsbk	Fr SS SP SEXP					
		23-46	BRSC wmsbk	Fr SS SP SEXP		56	PS	—	0.3
		46-56	RBSCL wfsbk	Fr SS SP SEXP	C. SAP				
		56-62	VAR SL MASS	Fr SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Innov - Drip
Site LTAR	0.275	0.1

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

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Lot 1

PROPERTY ID #: 4714141167
DATE OF EVALUATION: 2020
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 102	L/9%	0-9	BSL Gr	Fr SS SP SEXP					PS 0.25
		9-20	YBSCL wfsbk	Fr SS SP SEXP					
		20-41	RBSC/SCL vwfsbk	Fr SS SP	-C. SAP	41"	PS		
		41-60	VAR. SL MASS	Fr SS SP					
P 103	L/90%	0-7	BSL Gr	Fr SS SP SEXP					PS 0.25
		7-16	RBSCL wfsbk	Fr SS SP SEXP					
		16-33	BRC wmsbk/MBK	Fr SS SP	-Few WH Rock -C. SAP/schist ~15%	33	UN	33	
		33-55	>50% Rock						
P 104	L/12%	0-14	BSL Gr	Fr SSSPSEXP					A 0.3
		14-21	RBSCL wfsbk	" " " "					
		21-36	BRSC/C wfsbk	" " " "		40	-	-	
		36-40	RBSCL wfsbk	" " " "	-fr csap				

COMMENTS:

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

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.

I, * ERIC WOODS, am the legal owner(s) of the property located at *, identified as PIN (Parcel Identification Number) 4721412167 Lot 1, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Soil & Forestry 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.

* Signature of Owner(s)	* Date	Signature of Witness	Date
Eric M. Wood	@ 10/16/20		10/16/20

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@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 *****

S.A.R. **Complete all Environmental Health forms**:
- ✓ Application
- ✓ Site Plan with dimensions of proposed structure, addition, pool etc.
- ✓ Documentation to Authorize Owner Agent (if the property owner is not the applicant)
- ✓ Copy of Zoning Permit when applicable
- ___ Sign this sheet after you have completed all items

S.A.R. **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.**

S.A.R. **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.**

S.A.R. **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.

S.A.R. 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 non-refundable. 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 A Tollison **Date** 9/10/20

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

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
311786 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4721401930.000	147 POWDER SPRING DR	Iredell County

Owner Information	Applicant Information
Name: RH FUND XII LLC	Name: NEST HOMES LLC
Address: 2250 NW FLANDERS ST STE G02	Address: PO BOX 3965
PORTLAND, OR 97210	MOORESVILLE, NC 28117
Phone:	Phone: (704)808-1064

Use Requested	Zone Code
Single Family Dwelling	R20 CUD

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.028	35	35	15	15	WSIV-PA Catawba/Lake Norman	NO

Remarks
sfd

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Date: 10/14/2020

Signature of Owner/Contractor

Permit Number	311786	TOTAL FEES:	$77.25

Department of Development Services
PLANNING DIVISION
PO BOX 788, STATESVILLE NC 28687-0788
349 N. Center Street / Building Standards Center
(704) 878-3113 / FAX (704)878-3171

Residential Zoning Permit Application

What are you building? (Please check)

Stick built ✓ Modular___ Duplex___ Singlewide___ Doublewide___ Pier___ Addition___ Bedroom addition___

Accessory dwelling (ie: M-I-L Suite, guest house)___ Accessory building (ie: garage, shed)___ Swimming pool___

Are there any other structures currently on the property such as dwellings, sheds, garages? (Please list type below)
Vacant Lot

Is there a septic tank on the property? Yes (No) If residence how many bedrooms? 4 and stories? 2

If an addition, please describe project: _____

Please list square footage of project (Pier, Addition, Accessory Dwelling, Accessory Building only): _____

Does the property have community water? Yes (No) If yes, please list who provides it: _____

Does the property have community sewer? Yes (No) If yes, please list who provides it: _____

Owner Information

Property Owner's Name Sills Springs Development, LLC Phone # 704-433-9947

Owner's Current Address PO Box 3965 Mooresville NC 28117

Property Information

Property Address 147 Powder Spring Dr. Parcel # _____

Subdivision: Powder Springs Lot: 1 Zoning: RA Watershed: Y or N Flood Plain: Y or (N) Township: 15

Directions to property (from a MAIN ROAD) E Monbo to Levi Lane - Left onto Powder Spring Dr.

Application Information

Applicant's Name or Company Nest Homes, LLC Applicant's Phone # 704-433-9947

Applicant's Address PO Box 3965 Mooresville, NC 28117

If Company, Representative's Name and Title Michael Wetter - Project Manager

IN APPLYING FOR A ZONING PERMIT I CERTIFY THAT ALL INFORMATION ON THIS APPLICATION IS CORRECT AND THAT ALL WORK WILL COMPLY WITH IREDELL COUNTY ZONING REGULATIONS. THE IREDELL COUNTY ZONING DEPARTMENT WILL BE NOTIFIED OF ANY CHANGES THAT ARE MADE TO THIS PROJECT. I AM AWARE THAT THIS IS AN APPLICATION ONLY - NOT A PERMIT - AND DOES NOT CONSTITUTE APPROVAL OF THIS PROJECT. HOWEVER, IF THIS PROJECT IS APPROVED, THIS SIGNATURE IS VALID FOR MY PERMIT

SIGNATURE OF APPLICANT _____ DATE 10/13/20

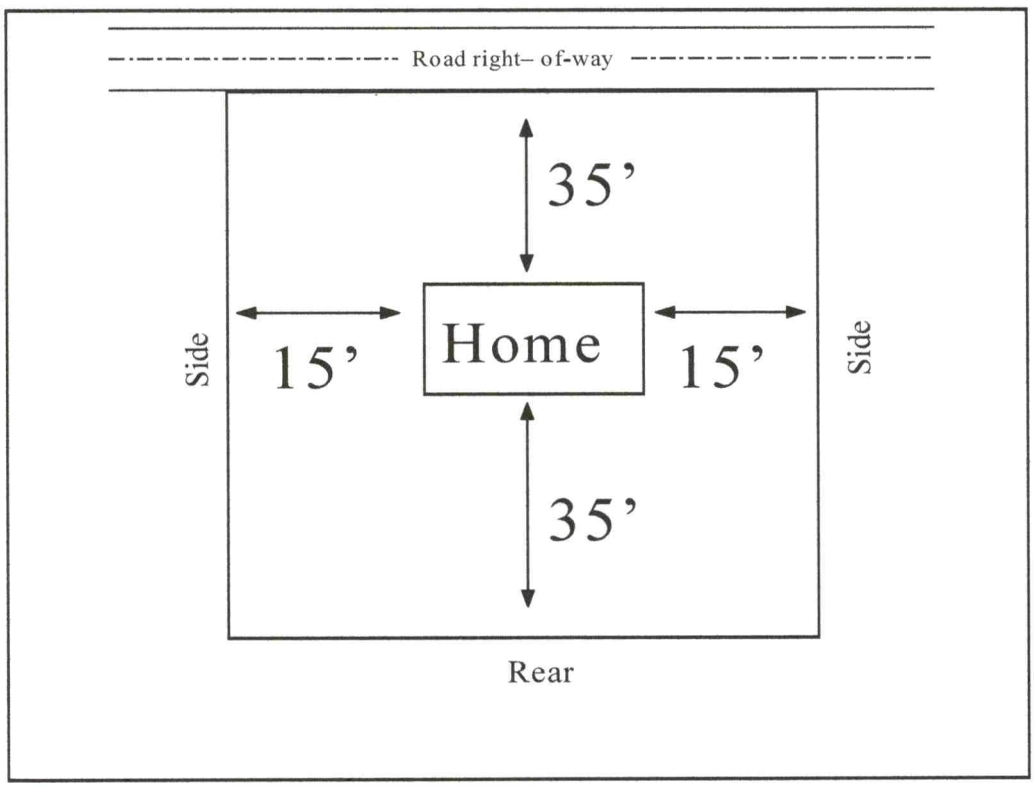
ZONING DISCLAIMER

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. Applicant further acknowledges that the enforcement of deed restrictions, plat conditions, and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

J. Michael Hatter J. 10/14/20

Applicant Date

STREET NAME: 147 POWDER SPRING



In the box above indicate the location of the building's or structure's, their orientation to the front of the lot as indicated, and the setback distances to all property lines and the distances to any other building's or structure's on the lot. Also indicate the size/shape of the lot and the corresponding dimensions when necessary. The front of the lot is the portion which abuts a public right of way or easement.

IREDELL COUNTY · NC

Cash Register Receipt

Iredell County

Receipt Number
R7997

DESCRIPTION	ACCOUNT	QTY	PAID
PermitTRAK			**$2,309.00**
AP-311783 Address: 157 POWDER SPRING DR APN: 4721319193.000			**$577.25**
EH NEW SYSTEM PERMITS			$500.00
GRAVITY SYSTEM	10492751-447004	0	$500.00
ZONING			$77.25
ZONING PERMIT	104563-472223	0	$75.00
TECH FEE ZONING	104563-460450	0	$2.25
AP-311785 Address: 172 POWDER SPRING DR APN: 4721412598.000			**$577.25**
EH NEW SYSTEM PERMITS			$500.00
GRAVITY SYSTEM	10492751-447004	0	$500.00
ZONING			$77.25
ZONING PERMIT	104563-472223	0	$75.00
TECH FEE ZONING	104563-460450	0	$2.25
AP-311786 Address: 147 POWDER SPRING DR APN: 4721401930.000			**$577.25**
EH NEW SYSTEM PERMITS			$500.00
GRAVITY SYSTEM	10492751-447004	0	$500.00
ZONING			$77.25
ZONING PERMIT	104563-472223	0	$75.00
TECH FEE ZONING	104563-460450	0	$2.25
AP-311788 Address: 151 POWDER SPRING DR APN: 4721410061.000			**$577.25**
EH NEW SYSTEM PERMITS			$500.00
GRAVITY SYSTEM	10492751-447004	0	$500.00
ZONING			$77.25
ZONING PERMIT	104563-472223	0	$75.00
TECH FEE ZONING	104563-460450	0	$2.25
TOTAL FEES PAID BY RECEIPT: R7997			**$2,309.00**

Date Paid: Monday, October 26, 2020

Paid By: NEST HOMES LLC

Cashier: AP

Pay Method: CHECK 8224

RECEIVED NOV 3 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM AP-311786 Paid $500.00

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 (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Nest Homes **Address:** 236 Raceway Dr. Suite 7, Mooresville NC **Zip:** 28117
Applicant Email: mwetter@nesthomes.com **Phone:** 704.202.1524 **Alt. Phone:**
Owner Name: Nest Homes **Address:** 236 Raceway Dr. Suite 7, Mooresville NC **Zip:** 28117
Owner Email: mwetter@nesthomes.com **Phone:** 704.202.1524 **Alt. Phone:**

Property Information:

Street Address: 147 Powder Spring Dr., Statesville NC 28677
Subdivision Name: Powder Spring Creek **Section/Phase:** **Lot Number:** 1
Driving Directions: East Monbo Rd to Levi Lane, Left on Powder Spring Dr.

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

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines **Describe Problem:**

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure:

CHECK FOUNDATION TYPE
(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) 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:

Please answer the following to the best of your ability:
( ) Yes (X) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (X) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (X) 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: Shawn Roller 10/9/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

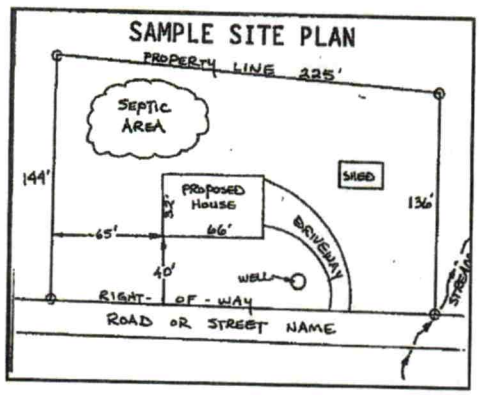
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL 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**
- (X) **Preferred well location**
- (X) **Preferred septic system location**
- (X) **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: _____ 10/9/20

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

Called Ready

RECEIVED JUN 13 2022

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP- 3117 86

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

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Applicant Email: mwetter@nesthomes.com **Phone:** 704.202.1524 **Alt. Phone:**
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Owner Email: mwetter@nesthomes.com **Phone:** 704.202.1524 **Alt. Phone:**

Property Information:

Street Address: 147 Powder Spring Dr., Statesville NC 28677
Subdivision Name: Powder Spring Creek **Section/Phase:** **Lot Number:** 1
Driving Directions: East Monbo Rd to Levi Lane, Left on Powder Spring Dr.

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

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure:

CHECK FOUNDATION TYPE
(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) 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 (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) 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: _____ 6/3/22
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

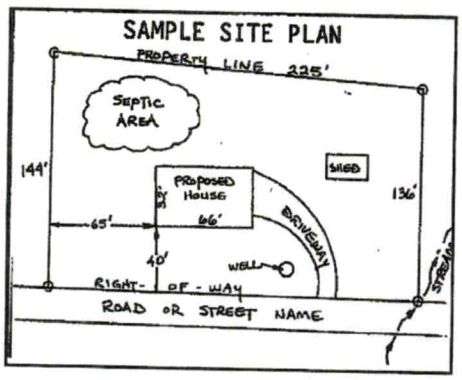
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

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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**
- (X) **Preferred well location**
- (X) **Preferred septic system location**
- (X) **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

SRC Attached

Signature: _____ 6/3/22

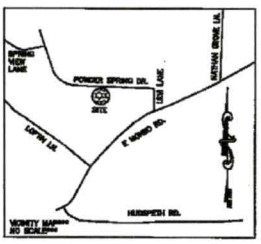
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

DAS DON ALLEN & ASSOCIATES, P. A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2788, page 1944, and/or plat book 72, page 108, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 7, day of MARCH A.D. 20 22.

WILLIAM M. ALLEN

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



JOANN L OVERCASH
2157/2139

S48°27'52"E
131.37

HARRY G. & PATRICIA P. LOFTIN
717/461

LOT 1
1.03 AC.

35' REAR
15' SIDE
DRIP AREA
SEPTIC
SEPTIC
SEPTIC
DRIP AREA
ST
PEREGRINE
ELEV. B
15' SIDE
23.5
20.0
35 FRONT
36.4

S53°12'46"W
329.28

N50°49'11"E
255.65

LOT 2
SILLS SPRINGS DEV LLC
2788/1944

KAY O CLINE
1884/1060

CONC. CALC.
DRIVE = 2,082 SQ. FT.
WALK = 107 SQ. FT.

R/W

C1

N89°42'38"E
263.63

N86°54'01"W
93.47

L1

POWDER SPRING DR
(45' PRIV. R/W)

LEGEND
P.P. = POWER POLE
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
CP = COMPUTED POINT
W = WELL

LINE TABLE		
LINE	BEARING	LENGTH
L1	N 03°05'59" E	7.50'

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	272.50'	238.33'	S 61°50'37" E	230.81'

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

0' 30' 60' 100'
SCALE IN FEET

PLOT PLAN SURVEY

OF

147 POWDER SPRING DR
LOT 1 POWDER SPRING CREEK

SCALE 1" = 60'

FALLSTOWN TWSP., IREDELL CO., N.C.

ACQUIRED BY: NEST HOMES

FIELD BOOK:
FILE: POWDER SPRING CREEK 1
DC FILE:
TAX MAP NO: 4721401930.000

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # 311786

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

PIN # 4721 - 41 - 2167

APPLICANT/OWNER: Nest Homes

APPLICANT ADDRESS: 236 Raceway Dr. Suite 7 Mooresville NC 28117.

SITE ADDRESS: 147 Powder Springs Drive Statesville NC 28677

PHONE: 704 202-1524

ALT. PHONE –

SITE DIRECTIONS: East Monbo to Christine Dr on Powder Spring Drive

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Powder Spring Creek

SECTION: – LOT # 1 LOT AREA: 1.0128

DESIGN FLOW: 480 L.T.A.R.: .275

Septic Tank 1000 (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 9 Linear Ft: 437

Trench Width 36 Trench Bottom Depth ~~(Maximum)~~ 22 in max Gravel Depth –

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: Gravity - 25% Reduction.

Repair System Description: Drip

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

☒ Private

☐ Public

☐ Community

Comments / Conditions: Type 3 soil cover to be approved by ICHD during Installation.

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

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: [signature] Date: 2/4/21 Installed by:

IMPROVEMENT PERMIT by: [signature] Date: 1-25-2021. OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: Existing System Inspected by: Date:

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

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 ****

S.A.R. **Complete all Environmental Health forms**:
- ✓ Application
- ✓ Site Plan with dimensions of proposed structure, addition, pool etc.
- ✓ Documentation to Authorize Owner Agent (if the property owner is not the applicant)
- ✓ Copy of Zoning Permit when applicable
- ____ Sign this sheet after you have completed all items

S.A.R. **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.**

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S.A.R. **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.

S.A.R. 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 non-refundable. 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 _____ **Date** 6/3/22

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

Public Health
Prevent Promote Protect
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent Promote Protect
Iredell County Health Department

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

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.

I, * Eric Wood, am the legal owner(s) of the property located at * 147 Powder Spring Dr , Statesville28166, identified as PIN (Parcel Identification Number) 4752141216 7 Lot 1, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Soil & Forestry 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.

* Eric Wood — * 06/10/2022
Signature of Owner(s) — Date

_____ _____
Signature of Witness — Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 20-0059
June 3rd, 2022

NEST HOMES
Attn: *Michael Wetter*
Email: mwetter@nesthomes.com

RE: Soil & Site Evaluation for a 4 Bedroom Residence on Lot 1 Powder Spring Creek Subdivision, 1.028 ac Parcel, PIN# 4721412167, Powder Spring Drive, Statesville, NC 28677.

Mr. Wetter:

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 cleared and mixed pine/hardwood. Topography within the evaluated area was gently slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Patterson Land Surveying. The client provided an Autocad File of a survey as a basemap. The proposed septic layout was located via Trimble Submeter GPS/tape measures and used to produce the attached *Site Plan*. The house envelope was located via Survey.

Methodology

We evaluated soil areas through the use of backhoe pits. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with twelve pit locations and 2 hand auger borings on the property flagged and located via GPS. Nine of the twelve backhoe pits and 2 auger borings are located in or adjacent to 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 pit. The house envelope was located via survey. An on-ground layout of system was performed using a laser level. The drip irrigation repair area was based upon square footage of area. Pin flag locations of the layout were also located by GPS and tape measures. Detailed system & repair information is summarized in the following paragraph for this Lot.

Lot 1 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 442 linear feet of line. The primary system is proposed as 437 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Maximum trench depth is specified at 22 inches. The repair system is proposed as 7,000 square feet of Innovative Drip Irrigation drainfield with low pressure distribution. Trench depth is specified at 6 inches.

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 Eric Wood
Signature Eric Wood 06/10/2022

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 on Lot 1 of Powder Spring Creek Subdivision 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 4 bedroom single family residence on Lot 1 Powder Spring Creek Subdivision, Statesville 28677, Iredell County, NC. PIN#: 4721412167

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---------- 7-9

Zoning Permit & Receipt---------- 10-12

Application---------- 13-14

Green Sheet---------- 15

Agent Authorization Form---------- 16

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

6/03/2022
Project #: 20-0059
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 an innovative drip irrigation installation .

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Owner/Applicant:	Nest Homes
Address:	236 Raceway Drive (Suite 7) Mooresville, NC 28117
Phone:	704.202.1524
County:	Iredell
Location:	Powder Spring Drive Lot 1
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	437	
Loading Rate (gpd/ft.^{2}):	0.275	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	22 in.	Repair Trench Bottom 6 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	51	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	33.30	
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	

Powder Spring Drive

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.275
TOTAL AREA TRENCH BOTTOM:	1311
TOTAL LATERAL LENGTH:	437
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	436.36
SUPPLY LINE LENGTH:	51
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 - Powder Spring Creek - Lot 1

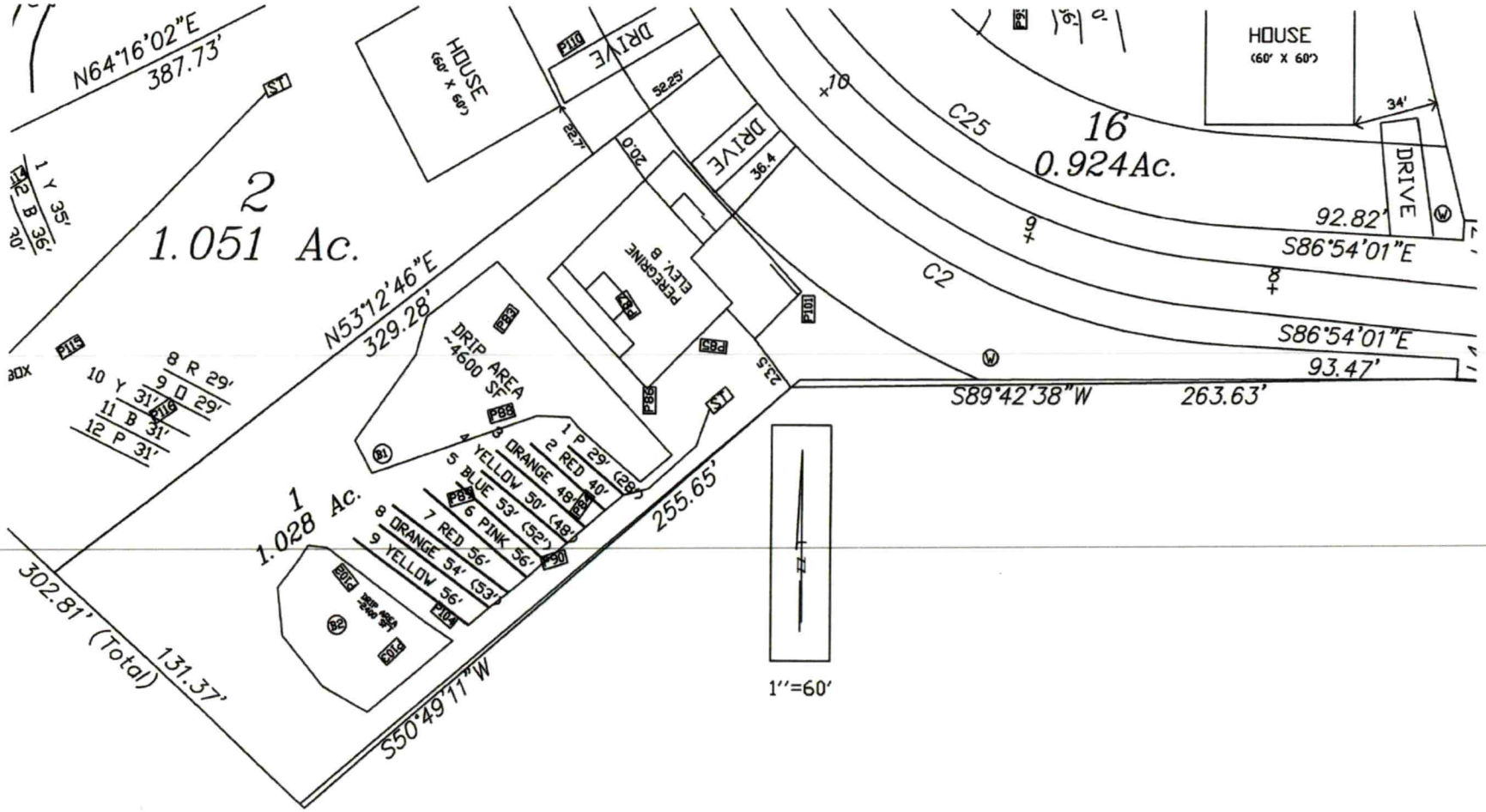
Project #: 20-0059

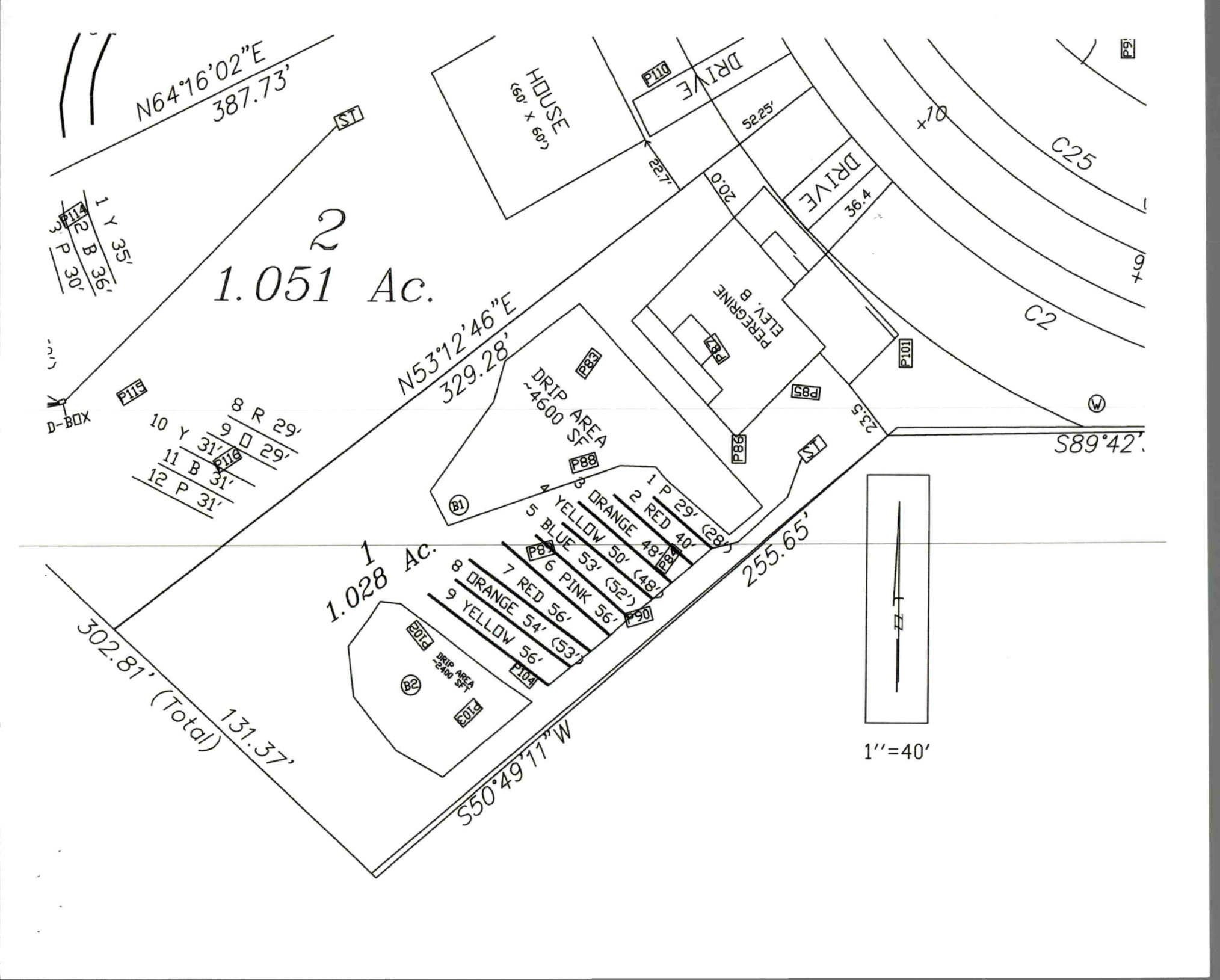
LAYOUT FOR 4 BEDROOM HOME

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	6/03/2022 DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***PINK***					***29***	***28***
2	***RED***					***40***	***40***
3	***ORANGE***					***48***	***48***
4	***YELLOW***					***50***	***48***
5	***BLUE***					***53***	***52***
6	***PINK***					***56***	***56***
7	***RED***					***56***	***56***
8	***ORANGE***					***54***	***53***
9	***YELLOW***					***56***	***56***
10	DRIP REPAIR					~4,600 SF	~4,600 SF
11	DRIP REPAIR					~2,400 SF	~2,400 SF
					Total	442	437

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
**** System***	***437***	***0.275***	***ACCEPT.***	***0.275***	***25% RED***	***GRAVITY***	22"
Repair	~7,000 SF	0.100	INNOV	0.100	DRIP IRRIGATION	LOW PRESSURE	6"

Notes:
- **All measures in feet
- **Nitrification lines are demonstrated on contour via colored pin flags
- **Nitrification lines were located by GPS and tape measure.
- ** Property corners & lines located by survey (Patterson Land Surveyors)


N64°16'02"E
387.73'
HOUSE
(60' X 60')
DRIVE
52.25'
22.7'
20.0'
DRIVE
36.4'
HOUSE
(60' X 60')
+10
C25
16
0.924Ac.
34'
DRIVE
92.82'
S86°54'01"E
C2
S86°54'01"E
93.47'
S89°42'38"W
263.63'
2
1.051 Ac.
N53°12'46"E
329.28'
PEDESTAL
ELEV. 8
DRIP AREA
~4600 SF
23.5'
1 P 29' (28')
2 RED 40'
3 ORANGE 48'
4 YELLOW 50' (48')
5 BLUE 53' (52')
6 PINK 56'
7 RED 56'
8 ORANGE 54' (53')
9 YELLOW 56'
1
1.028 Ac.
255.65'
302.81' (Total)
131.37'
S50°49'11"W
1''=60'


N64°16'02"E
387.73'
HOUSE
(60' x 60')
DRIVE
52.25'
22.7'
20.0
DRIVE
36.4
C25
C2
2
1.051 Ac.
N53°12'46"E
329.28'
PEREGRINE
ELEV. B
DRIP AREA
~4600 SF
23.5
S89°42'
1 Y 35'
2 B 36'
3 P 30'
8 R 29'
9 O 29'
10 Y 31'
11 B 31'
12 P 31'
D-BOX
1 P 29' (28')
2 RED 40'
3 ORANGE 48'
4 YELLOW 50' (48')
5 BLUE 53' (52')
6 PINK 56'
7 RED 56'
8 ORANGE 54' (53')
9 YELLOW 56'
1
1.028 Ac.
DRIP AREA
~2400 SF
255.65'
302.81' (Total)
131.37'
S50°49'11"W
1''=40'

CALCULATIONS

Location	Powder Spring Creek Subdivision Off Levi Lane	
Project Number	20-0059	
Lot No:	1	
No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.275	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	51	ft.
Supply Line Volume	33.303	gal.
Required Feet of Line	436.36	ft.
Amount of Line from Layout	437	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

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

Sheet 1 of 3
PROPERTY ID #: 4724412167
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Nest Homes (Buyer)
ADDRESS: 236 Raceway Dr. Suite 7, Mooresville NC 28117
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480gpd
LOCATION OF SITE: Powder Spring Dr., Statesville NC 28677 Lot 1
APPLICATION DATE
DATE EVALUATED: 2020
PROPERTY SIZE: 1.028ac
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) .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
P83	L/6%	0-7	BSL Gr	Fr SS SP SE XP		38	UN		PS to 38" 0.25-.275
		7-22	BRC wmAlk/sbK	Fr SS SP SE XP					
		22-38	RBSCL wfsbK	Fr SS SP SE XP	Few to C. SAP, Few Schist Veins ~15%				
		38-50	VAR SL MASS	H SS SP	Hard				
P84	L/10%	0-11	BSL Gr	Fr SS SP SE XP		43	PS	-	PS 0.3-.325
		11-26	BSCL wfsbK	Fr SS SP SE XP					
		26-43	RBSCL/KL wfsbK	Fr SS SP SE XP	C. SAP				
		43-60	VAR SL MASS	Fr SS SP					
P85	L/5%	0-7	BSCL wfsbK	Fr SS SP SE XP		38	UN		PS 0.25-0.275
		7-24	BRC wmsbK/Alk	Fr SS SP SE XP					
		24-38	RBCL wmsbK	Fr SS SP SE XP	Few SAP, Schist Veins ~20%				
		38-54	VAR SL MASS	H SS SP					
P86	L/5%	0-11	BSL Gr	Fr SS SP SE XP		56	PS	-	PS 0.3
		11-23	BSCL wfsbK	Fr SS SP SE XP					
		23-46	BRSC wmsbK	Fr SS SP SE XP					
		46-56	RBSCL wfsbK	Fr SS SP SE XP	C. SAP				
		56-62	VAR SL MASS	Fr SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Inno. Drip
Site LTAR	0.275	0.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans
OTHER(S) PRESENT: Wendell Overby, Chase Wagner

LICENSED SOIL SCIENTIST Samuel A. Rollans 1231 NORTH CAROLINA

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4782141216?
DATE OF EVALUATION: 2020
COUNTY: Iredell

Lot 1

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 87	L/4%	0-7	BSL Gr	Fr SS SP SEXP	+ C. SAP	40	PS	—	PS 0.3-.325
		7-26	BRSC wmsbk	Fr SS SP SEXP					
		26-40	RBSCL vwfsbk	Fr SS SP SEXP					
		40-62	VAR SL MASS	Fr SS SP					
P 88	L/7%	0-10	BSL Gr	Fr SS SP SEXP	+ Few to C SAP + Hard Schist Veins	40	UN	—	PS 0.275-0.3
		10-22	RBSCL wfsbk	Fr SS SP SEXP					
		22-40	BRSC/SCL wfsbk	Fr SS SP SEXP					
		40-60	VAR SL MASS	H SS SP SEXP					
P 89	L/8%	0-10	BSL Gr	Fr SS SP SEXP	+ Few SAP/wthbk + C. SAP + Schist Veins ~20%	36	PS	—	PS 0.275
		10-19	BSCL wfsbk	Fr SS SP SEXP					
		19-30	BRSC wfsbk	Fr SS SP SEXP					
		30-36	RBSCL vwfsbk	Fr SS SP SEXP					
		36-64	VAR SL MASS	Fr SS SP					
P 90	L/8%	0-10	BSL Gr	Fr SS SP SEXP		44	PS		PS 0.3-0.325
		10-22	BSCL wfsbk	Fr SS SP SEXP					
		22-36	BRSC/C wmsbk	Fr SS SP SEXP					
		36-44	RBSCL wfsbk	Fr SS SP SEXP					
		44-60	VAR SL MASS	Fr SS SP SEXP					
P 101	L/5%	0-3	BSL Gr	Fr SS SP SEXP	+ C. to Many SAP @23"	41"	PS		PS 0.3-.325
		3-8	RBCL wfsbk	Fr SS SP SEXP					
		8-23	BRC wmsbk	Fr SS SP					
		23-41	RBSCL wfsbk	Fr SS SP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Lot 1

PROPERTY ID #: 4782141216?
DATE OF EVALUATION: 2020
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 102	L/9%	0-9	BSL Gr	Fr SS SP SEXP		41"	PS		PS 0.25
		9-20	YBSCL wfsbk	Fr SS SP SEXP					
		20-41	RBSC/SCL vwfsbk	Fr SS SP	C. SAP				
		41-66	VAR. SL MASS	Fr SS SP					
P 103	L/9%	0-7	BSL Gr	Fr SS SP SEXP		33	UN	33	PS 0.25
		7-16	RBSCL wfsbk	Fr SS SP SEXP					
		16-33	BRC wmsbk/Abk	Fr SS SP	Few WH Rock C. SAP/Schist ~15%				
		33-55	>50% Rock						
P 104	L/12%	0-14	BSL Gr	Fr SS SP SEXP		40	-	-	PS 0.3
		14-21	RBSCL wfsbk	" " " "					
		21-36	BRSC/C wfsbk	" " " "					
		36-40	RBSCL wfsbk	" " " "	Few C. SAP				
B 1	L/13%	0-6	BSL Gr	Fr SS SP SEXP		22	-	22	PS 0.1-.125
		6-22	YBSCL wfsbk	Fr SS SP	C. Schist/SAP ~30% Rock				
		22-28	CR >50% Rock						
B 2	L/16%	0-10	BSL Gr	Fr SS SP SEXP		35	-	39	PS 0.1-.125
		10-35	BSCL wfsbk	Fr SS SP	C. SAP Few WH Rock				
		35-39	VAR SL. MASS	Fr SS SP					
		39-AR							

COMMENTS:

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
311786 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4721401930.000	147 POWDER SPRING DR	Iredell County

Owner Information	Applicant Information
Name: RH FUND XII LLC	Name: NEST HOMES LLC
Address: 2250 NW FLANDERS ST STE G02	Address: PO BOX 3965
PORTLAND, OR 97210	MOORESVILLE, NC 28117
Phone:	Phone: (704)808-1064

Use Requested	Zone Code
Single Family Dwelling	R20 CUD

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.028	35	35	15	15	WSIV-PA Catawba/Lake Norman	NO

Remarks
sfd

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Date: 10/14/2020

Signature of Owner/Contractor

Permit Number	311786	TOTAL FEES:	$77.25

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
311668 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4721316725.000	128 SPRING VIEW LN	Iredell County

Owner Information	Applicant Information
Name: RH FUND XII LLC	Name: NEST HOMES LLC
Address: 2250 NW FLANDERS ST STE G02	Address: PO BOX 3965
PORTLAND, OR 97210	MOORESVILLE, NC 28117
Phone:	Phone: (704)808-1064

Use Requested	Zone Code
Single Family Dwelling	R20 CUD

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.939	35	35	15	15	WSIV-PA Catawba/Lake Norman	YES

Remarks

SFD

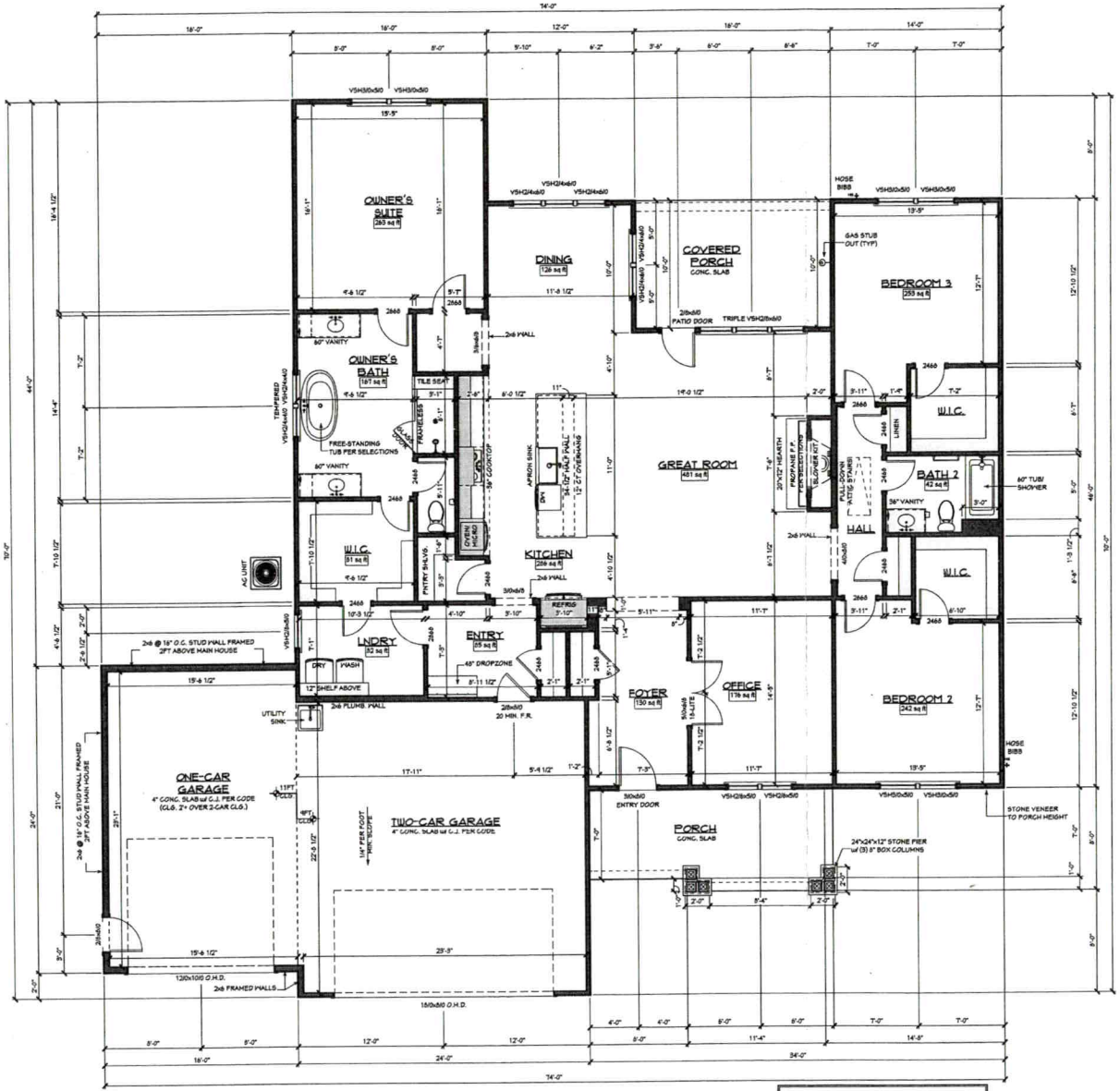
Must meet both the 50-foot setback from the streambank and the 35-foot setback from the rear property line for any structure.

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Date: 10/09/2020

Signature of Owner/Contractor

Permit Number	311668	TOTAL FEES:	$77.25


OWNER'S SUITE
283 sq ft
DINING
126 sq ft
COVERED PORCH
CONC. SLAB
BEDROOM 3
253 sq ft
OWNER'S BATH
187 sq ft
GREAT ROOM
481 sq ft
W.I.C.
BATH 2
42 sq ft
KITCHEN
286 sq ft
HALL
W.I.C.
LNDRY
82 sq ft
ENTRY
65 sq ft
FOYER
130 sq ft
OFFICE
178 sq ft
BEDROOM 2
242 sq ft
ONE-CAR GARAGE
4" CONC. SLAB w/ G.J. PER CODE (CLG. 2'+ OVER 2 CAR CLG.)
TWO-CAR GARAGE
4" CONC. SLAB w/ G.J. PER CODE
PORCH
CONC. SLAB
GAS STUB OUT (TYP.)
HOSE BIBB
STONE VENEER TO PORCH HEIGHT
24"x24"x12" STONE PIER w/ (3) 8" BOX COLUMNS
AC UNIT
UTILITY SINK
TANKLESS WH
TEMPERED
FREE-STANDING TUB PER SELECTIONS
60" VANITY
36" VANITY
60" TUB/ SHOWER
APRON SINK
36"x72" HAND PULL
12" OVERHANG
36" COOKTOP
OVEN
MICRO
REFRIG
DRY
WASH
12" SHELF ABOVE
48" DROPZONE
20 MIN. F.R.
ENTRY DOOR
2'-6" PLUMB WALL
2x6 @ 16" O.C. STUD WALL FRAMED 2FT ABOVE MAIN HOUSE
2x6 @ 24" O.C. STUD WALL FRAMED 2FT ABOVE MAIN HOUSE
2x6 FRAMED WALLS
1/4" PER FOOT MIN. SLOPE
120x100 O.H.D.
180x80 O.H.D.
FIRE PLACE
29"x12" HEARTH
PROPANE F.P.
FLUSH FACE
FULL DOOR
ACTIVE STANDS
LINEN
40x80
18-LITE
2'-6" OVERHANG
TRIPLE VSH2868
2868 PATIO DOOR
VSH3050
VSH2468
VSH2868
VSH2880
VSH3068
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