ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP316340

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

PIN # 4721 --41 --0715

APPLICANT/OWNER: Nest Homes

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

SITE ADDRESS: 180 Powder Spring Dr Statesville NC 28677.

PHONE:

ALT. PHONE

SITE DIRECTIONS: East Monbo Rd to Levi Lane (on Powder Spring Drive)

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Powder Spring Creek

SECTION: - LOT # 11 LOT AREA: 1.009 Acres

DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	7600	Date	3/29/23	☑ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI
Pump Tank	- (gal)	PT	-	Date	-	System Description:	Gravity - 25% Reduction
Pump Make	-	Model	-	Serial #	-	Repair System Description:	LPP - RPBPS - 50% Reduction
# Nitrification Fields	1	# Lines	5	Linear Ft	404	Maintenance Agreement Required:	☐ YES ☒ NO
Trench Width	36 in	Trench Bottom Depth(Low side)	30 in	Gravel Depth	-	☒ 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: NO FOUNDATION DRAINAGE TO BE INSTALLED ON REAR OF HOUS

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.

LSS # 1231 Dated Jan, 29, 2021 PA

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.

see catch basin location & culvert on as built → - landscape final needed; divert drainage off system

* must mark easement - verify lines are not too close

(See attached for as built)

* ST & lines less 10' to easement BUT still able to achieve 20' b/w systems 6/14/23 BW

tank, lines 5/17/23 DL

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: 4/11/21

IMPROVEMENT PERMIT by: Benjamin A. Stevens Date: 4-26-2021

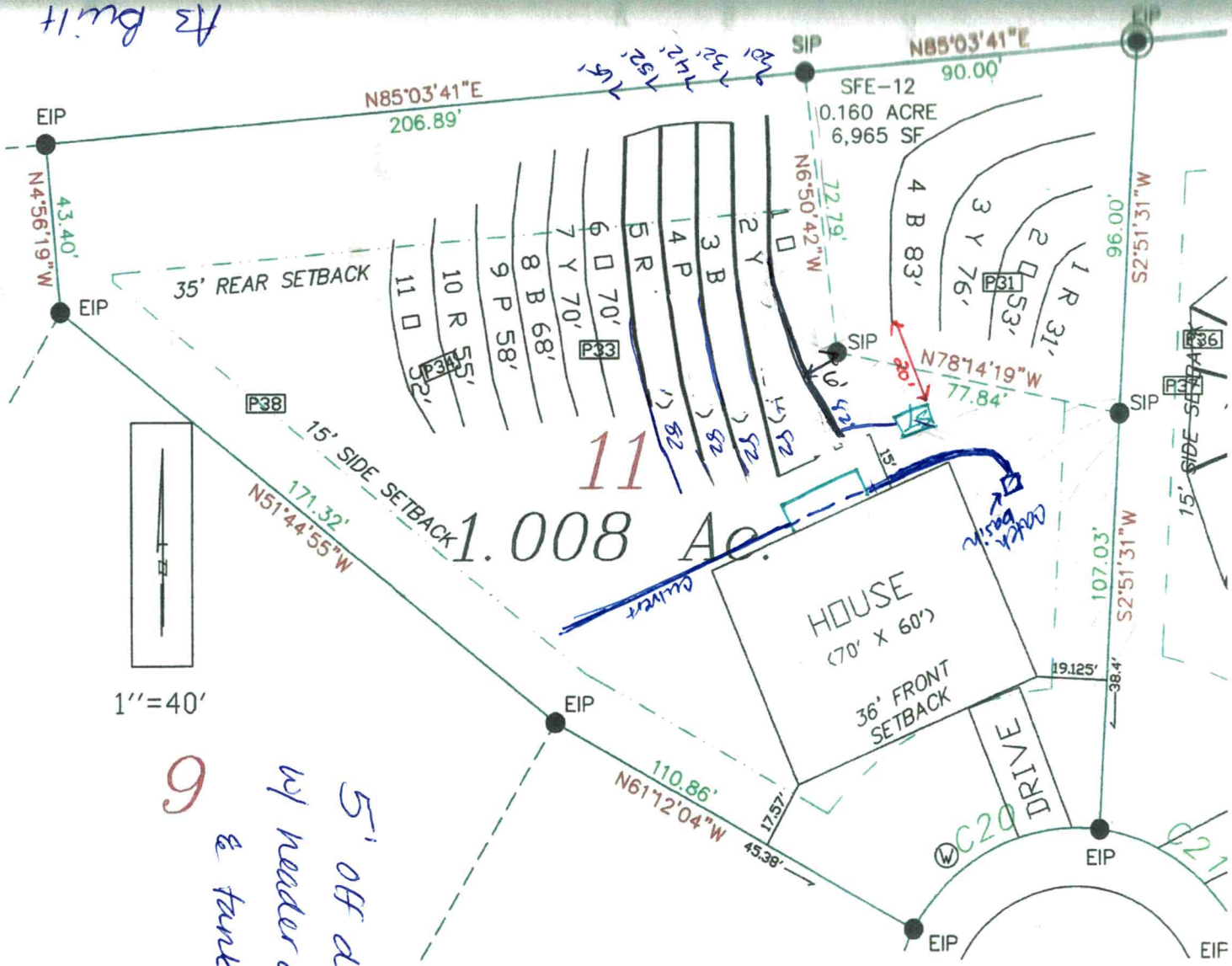
AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 8-11-2022

Installed by: Patriot Septic

OPERATION PERMIT by: D. Vieberg Date: 6/20/23

Existing System Inspected by: Date:

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


N85°03'41"E
206.89'
SIP
N85°03'41"E
90.00'
EIP
SFE-12
0.160 ACRE
6,965 SF
N9°50'42"W
72.79'
N4°56'19"W
43.40'
35' REAR SETBACK
P38
15' SIDE SETBACK
171.32'
N51°44'55"W
1.008 Ac.
11
9
HOUSE
(70' x 60')
36' FRONT SETBACK
DRIVE
N78°14'19"W
77.84'
20'
15'
96.00'
S2°51'31"W
107.03'
S2°51'31"W
19.125'
38.4'
110.86'
N61°12'04"W
17.57'
45.38'
C20
C21
P31
P33
P34
P36
1"=40'
5' off deck
w/ header ditch
& tank

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 20-0059
January 29th, 2021

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

RE: Soil & Site Evaluation for a 4 Bedroom Residence on Lot 11 Powder Spring Creek Subdivision, 1.008 ac Parcel, PIN# 4721410715, 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 SFE for Lot 12 was staked by Williams 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 five pit locations on the property flagged and located via GPS. Three of the five backhoe pits 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 pit. The house envelope was located via survey. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by GPS and tape measures. Detailed system & repair information is summarized in the following paragraph for this Lot.

Lot 11 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 797 linear feet of line. The primary system is proposed as 404 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 30 inches. The repair system is proposed as 270 linear feet of PPBPS (50% Reduction) drainfield with gravity distribution. There is 373 linear feet available for repair. Trench depth is specified at 30 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 Michael A. Walker
* Signature J.M. Walker

2/3/21

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 11 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 11 Powder Spring Creek Subdivision, Statesville 28677, Iredell County, NC. PIN#: 4721410715

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	7-8
Zoning Permit & Receipt	9-11
Application	12-13
Green Sheet	14
Agent Authorization Form	15

LICENSED SOIL SCIENTIST
Samuel A. Hall
1231

1/29/2021
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 as a PPBPS installation with gravity Distribution..
- **Installer must verify survey staking of SFE - 12 to meet 10' setback.**

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 11
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	404	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth (LOW SIDE):	30 in.	Repair Trench Bottom 30 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	6	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	3.92	
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}):	0.3
TOTAL AREA TRENCH BOTTOM:	1212
TOTAL LATERAL LENGTH:	404
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	400
SUPPLY LINE LENGTH:	6
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 11

Project #: 20-0059

LAYOUT FOR 4 BEDROOM HOME

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	1/29/2021 DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***ORANGE***					***90***	***84***
2	***YELLOW***					***92***	***84***
3	***BLUE***					***85***	***84***
4	***PINK***					***87***	***84***
5	***RED***					***70***	***68***
6	ORANGE					70	70
7	YELLOW					70	70
8	BLUE					68	68
9	PINK					58	58
10	RED					55	55
11	ORANGE					52	52
					Total	797	777

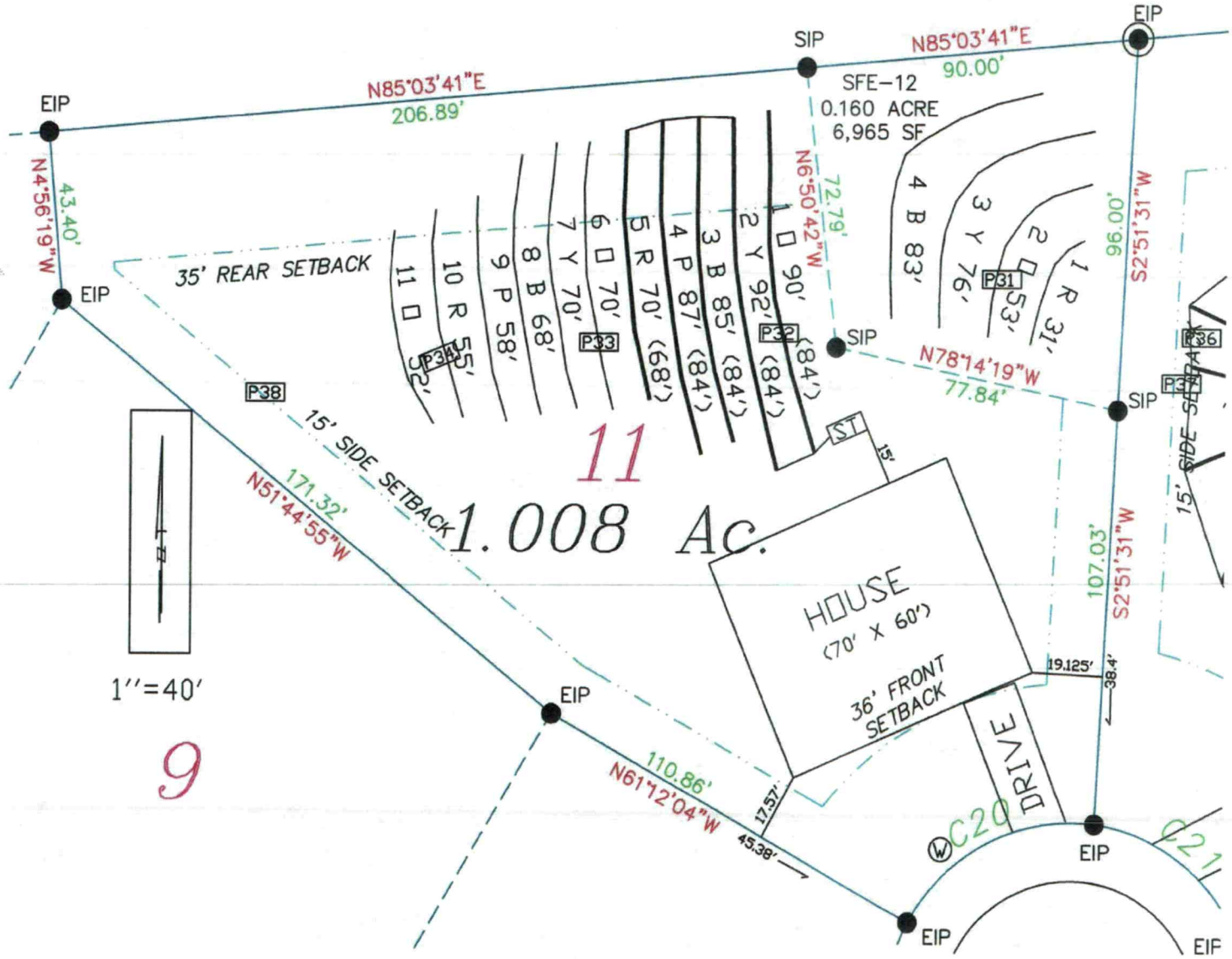
	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
**** System***	***404***	***0.300***	***ACCEPT.***	***0.300***	***25% RED***	***GRAVITY***	30"
Repair	373	0.300	MOD. CONV.	0.300	PPBPS	~~GRAVITY~~ Low Pressure	30"

Notes: **All measures in feet

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

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

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


EIP
SIP
N85°03'41"E
206.89'
N85°03'41"E
90.00'
SFE-12
0.160 ACRE
6,965 SF
N4°56'19"W
43.40'
35' REAR SETBACK
11 □ 52'
10 R 55'
9 P 58'
8 B 68'
7 Y 70'
6 □ 70'
5 R 70' (68')
4 P 87' (84')
3 B 85' (84')
2 Y 92'-90' (84')
1 □ 90'
N9°50'42"W
72.79'
4 B 83'
3 Y 76'
2 □ 53'
1 R 31'
P31
96.00'
S2°51'31"W
P38
15' SIDE SETBACK
171.32'
N51°44'55"W
11
1.008 Ac.
N78°14'19"W
77.84'
ST
15'
HOUSE
(70' X 60')
36' FRONT SETBACK
19.125'
38.4'
107.03'
S2°51'31"W
15' SIDE SETBACK
1"=40'
9
110.86'
N61°12'04"W
17.57'
45.38'
DRIVE
C20
C21
EIP
EIF

CALCULATIONS

Location Powder Spring Creek Subdivision
Off Levi Lane
Project Number 20-0059

Lot No: 11

No. of Bedrooms 4

Design Flow 480 $^{gal}/_{day}$

LTAR 0.300 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 6 ft.

Supply Line Volume 3.918 gal.

Required Feet of Line 400 ft.
Amount of Line from Layout 404 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

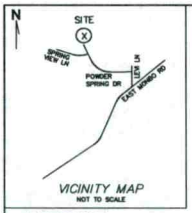
Pump Run Time

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



NOTES:

1) Area determined by Coordinate Computation Method.
2) Property subject to any facts that may be disclosed by a full and accurate title search.
3) Property may be subject to any Easements and Right of Ways of record and those not of record if they exist.
4) Subject Property is not located in a Special Flood Hazard Area as designated by the FEMA FLOOD INSURANCE RATE MAPS. See Map Number 3710472100J – Effective Date 3/18/2008.
5) No Geodetic Monument found within 2000' of Subject Property.
6) Subject Property Zoning = R20-CUD. Setbacks per Iredell County Land Development Code Front = 35', Rear = 35', & Side = 15'
7) The purpose of this plat is to create a septic field easement for Lot 12 on Lot 11 and revise Front Setbacks to meet the minimum 100' width.

CERTIFICATE OF APPROVAL FOR RECORDING

I hereby certify that this plat for recordation is an exemption to the Subdivision Ordinance of Iredell County, North Carolina.

Subdivision Administrator _____ Date _____

REVIEW OFFICER CERTIFICATE

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

Review Officer _____ Date _____

I, Thomas E. Williams, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 2736, Page 2025, or other reference source AS NOTED); that the boundaries not surveyed are shown as broken lines drawn from information found in adjoining deeds and plats as noted; that the ratio of precision is 1 : 10,000+; and that this plat meets the requirements of The Standards of Practice for Land Surveying in North Carolina according to North Carolina Administrative Code Title 21, Chapter 56, Section 1600.

This survey is of another category, such as the recombination of existing parcels, a court-ordered survey, or other exception to the definition of subdivision.

This 7th day of January, 2021.

Thomas E. Williams, NCPLS 4718

NORTH CAROLINA PROFESSIONAL SEAL L-4718 LAND SURVEYOR THOMAS E. WILLIAMS

OWNER CERTIFICATE

Know all men by these presents, that I (we) hereby certify that I am (we are) the owner(s) of the property shown and described hereon and that I (we) hereby acknowledge this plat and allotment to be my (our) free act and deed.

SILLS SPRINGS DEVELOPMENT, LLC
ERIC WOOD, MEMBER MANAGER _____ DATE _____

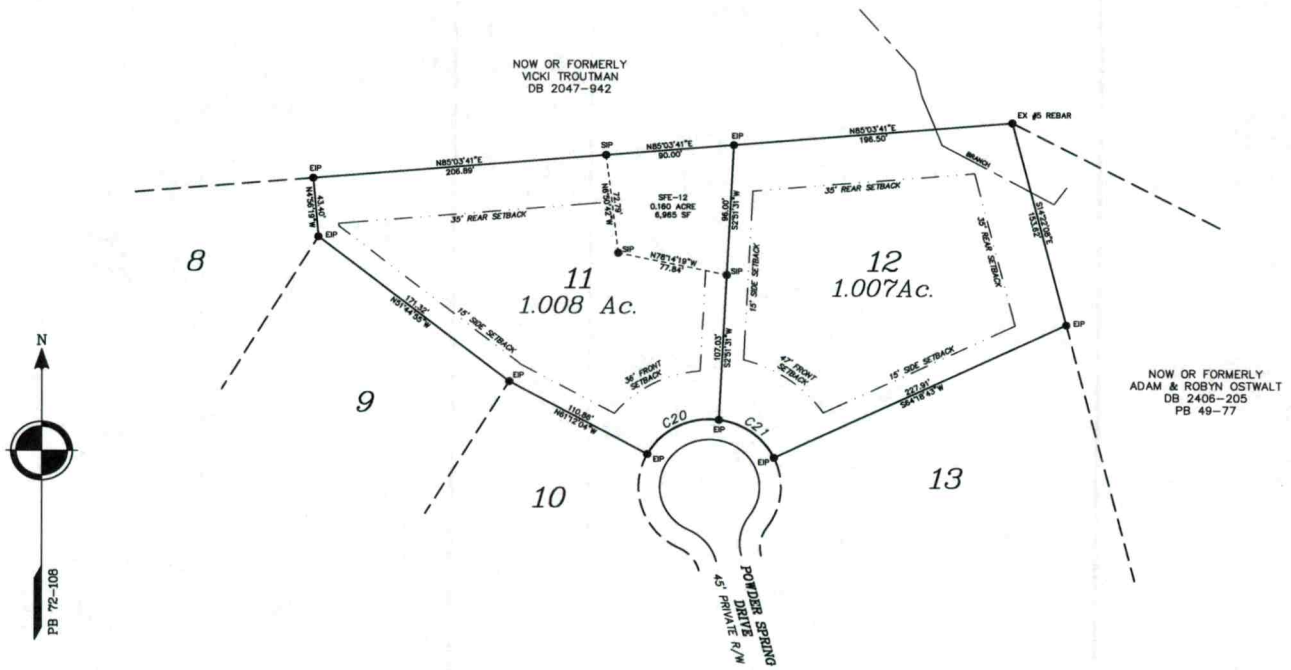
North Carolina

_____County

I, _____, a Notary Public for said County and State, do hereby certify that ERIC WOOD, personally appeared before me this day, and acknowledged the execution of the foregoing instrument. Witness my hand and official seal, this _____ day of _____ 2021.

_____
Notary Public

My Commission Expires: _____



LEGEND

———	PROPERTY LINE (P/L)
———	RIGHT OF WAY (R/W)
———	TIE LINE
- - - -	ADJOINING PROPERTY LINE FROM DEED OR PLAT
— — —	BRANCH
— — —	POWER LINE
EX	EXISTING
EIP	EX #4 REBAR
SIP	SET #4 REBAR

60 0 60 120
SCALE: 1" = 60'

Williams Land Surveying, Inc.
License Number C-3638
874 Baymount Drive, Statesville, NC 28625
phone(704) 876-3966 ~ emailrunningonfaith@bellsouth.net
file: SFLAYOUT

OWNER/DEVELOPER
SILLS SPRINGS DEVELOPMENT, LLC
PO BOX 3965
MOORESVILLE, NC 28117

PARCEL INFORMATION

LOT 11
PIN# 4721-41-0715
DB 2736-2025
PB 72-108

LOT 12
PIN# 4721-41-2745
DB 2736-2025
PB 72-108

Exempt Plat
POWDER SPRING CREEK
LOT 11 & LOT 12
Fallstown Township, Iredell County, NC

DATE OF SURVEY: 12/15/2020 DATE OF PLAT: 1/7/2021

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

Sheet 1 of 2
PROPERTY ID #: 4724[illegible]
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): 480
LOCATION OF SITE: 180 Powder Spring Dr, Statesville NC 28677 Lot 11
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
APPLICATION DATE:
DATE EVALUATED: 2020
PROPERTY SIZE: 1.008 ac
PROPERTY RECORDED: Yes
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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
P31	L/4%	0-2	BSLGr	Fr SS SP SEXP	Few to C. SAP	43	PS	–	PS 0.35
		2-43	RBSCL wfsbk	Fr SS SP SEXP					
		43-68	VAR SL MASS	Fr SS SP SEXP					
P32	L/8%	0-9	BSCL wfsbk	Fr SS SP SEXP	Few to C. SAP	65	PS	–	PS 0.3
		9-35	BRC wmsbk/Mbk	Fr SS SP SEXP					
		35-65	RBC wfsbk	Fr SS SP SEXP					
		65-72	VAR SL MASS	Fr SS SP SEXP					
P33	L/12%	0-9	BRSCL wfsbk	Fr SS SP SEXP	Few to C. SAP	65	PS	–	PS 0.3
		9-35	BRC wmsbk/Mbk	Fr SS SP SEXP					
		35-65	RBCL wfsbk	Fr SS SP SEXP					
		65-72	VAR SL MASS	Fr SS SP SEXP					
P34	L/12%	0-3	BCL wmsbk	Fr SS SP SEXP	Few to C SAP	55	PS	–	PS 0.3
		3-27	RC wmsbk/Mbk	Fr SS SP SEXP					
		27-55	RBCL/SCL wfsbk	Fr SS SP SEXP					
		55-62	VAR SL MASS	Fr SS SP					

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

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

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Lot 11

PROPERTY ID #: 4782141715
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
P38	L/11%	0-5	BL Gr	Fr SS SP SEXP	Few to C. W4 Rock	14"	–	14"	UN
		5-14	RBCL wmsbk/AbK	Fr SS SP SEXP					
		14-30	CR						

Rec'd 4-6-2021

AP 316340
PD. $500.00 4-6-2021

Gravity Session Law

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

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

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: 180 Powder Spring Dr., Statesville NC 28677
Subdivision Name: Powder Spring Creek **Section/Phase:** **Lot Number:** 11
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 (X) 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: Steven A Tolbert
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

1/29/21
DATE

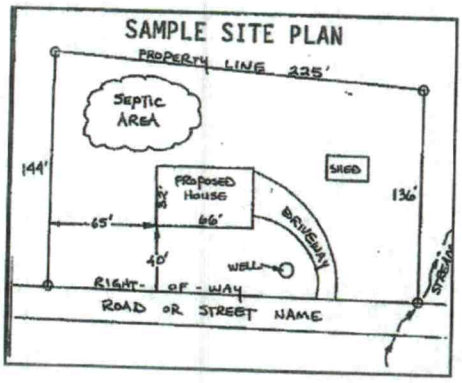
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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

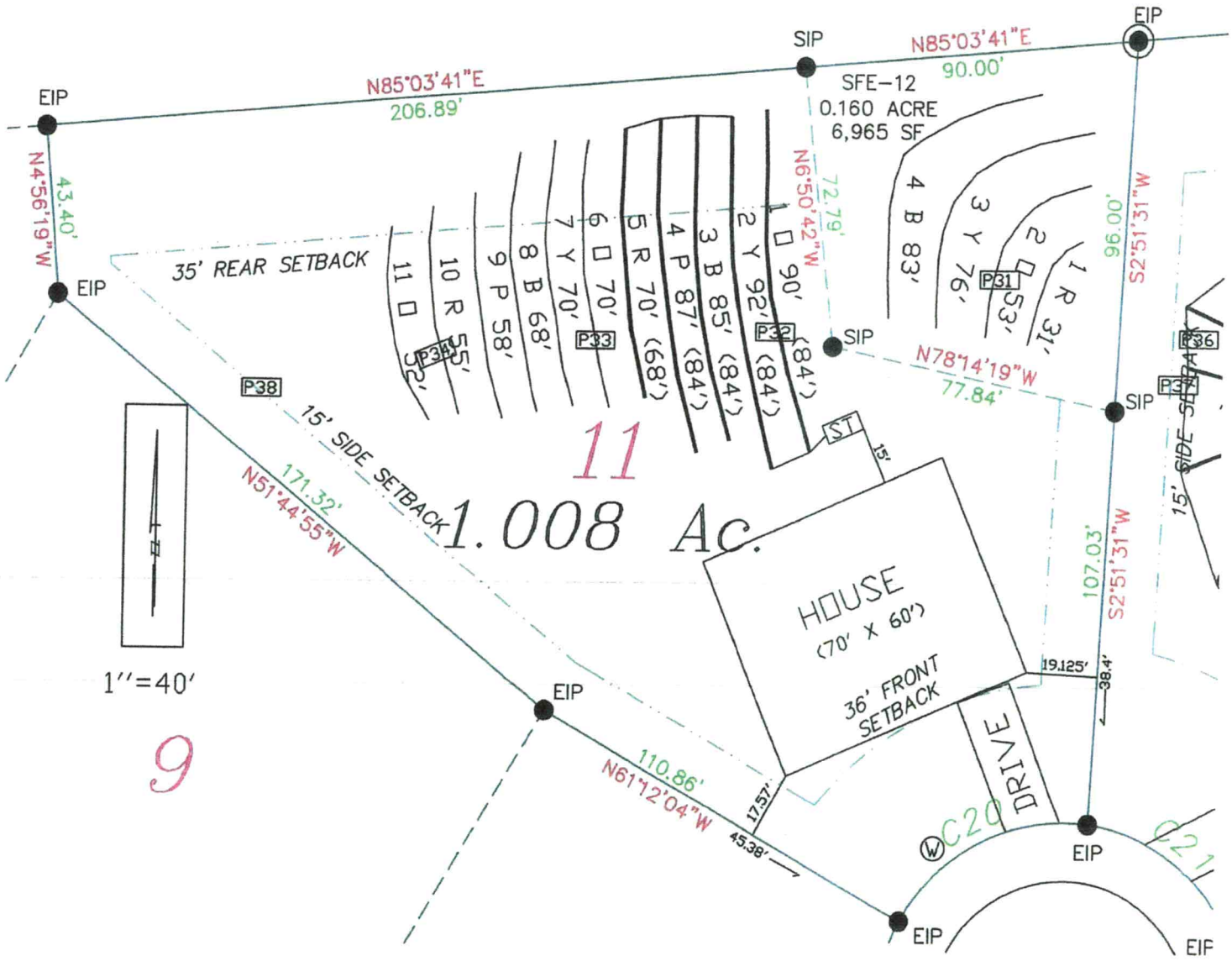
USE THIS SPACE TO DRAW YOUR SITE PLAN

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: Samuel A Teller
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

1/29/21
DATE


EIP
SIP
EIP
N85°03'41"E
206.89'
N85°03'41"E
90.00'
SFE-12
0.160 ACRE
6,965 SF
N4°56'19"W
43.40'
EIP
35' REAR SETBACK
11 □ 52'
10 R 55'
9 P 58'
8 B 68'
7 Y 70'
6 □ 70'
5 R 70' (68')
4 P 87' (84')
3 B 85' (84')
2 Y 92' (84')
1 □ 90' (84')
N6°50'42"W
72.79'
4 B 83'
3 Y 79'
2 □ 53'
1 R 31'
P31
P32
P33
P34
P36
SIP
N78°14'19"W
77.84'
SIP
96.00'
S2°51'31"W
P38
15' SIDE SETBACK
171.32'
N51°44'55"W
11
1.008 Ac.
ST
15'
HOUSE
(70' X 60')
36' FRONT
SETBACK
19.125'
38.4'
107.03'
S2°51'31"W
15' SIDE SETBACK
1"=40'
EIP
9
110.86'
N61°12'04"W
17.57'
45.38'
DRIVE
C20
EIP
C21
EIP
EIP

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, * Michael Walters/West Homes am the legal owner(s) of the property located at * 180 Powder Spring Drive, Statesville NC 28677, identified as PIN (Parcel Identification Number) ~~[illegible]~~ 4721410715 Lot 11, 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.

* Michael Walters * 2/3/24 — Signature of Owner(s) / Date

Matt Vanover 2/3/24 — 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

RECEIVED MAR 3 - 2022

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP-316340

Application For: (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (X) 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 LLC **Address:** PO Box 3965 , Mooresville NC **Zip:** 28117

Applicant Email: hposton@nesthomes.com **Phone:** 980-500-1238 **Alt. Phone:**

Owner Name: Sills Springs Development LLC **Address:** PO Box 3965 , Mooresville NC **Zip:** 28117

Owner Email: hposton@nesthomes.com **Phone:** 980-500-1238 **Alt. Phone:**

****

Property Information:

Street Address: 180 Powder Spring Dr, Statesville NC 28677

Subdivision Name: Powder Spring Creek **Section/Phase:** **Lot Number:** 11

Driving Directions: Hwy 21/ 115 - West on Old Mountian Rd, left on East Monbo Rd, Right on Levi Ln, Left on Powder Spring Dr

****

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

CHECK FOUNDATION TYPE

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

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(X) Concrete Slab Foundation
( ) Basement with Plumbing
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Square Footage of Building: **Max. Number of Employees:** **Max. Number of Seats/Beds/Other:**

****

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****

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****

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( ) Yes (X) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
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Signature: Heather Poston 03/02/22

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

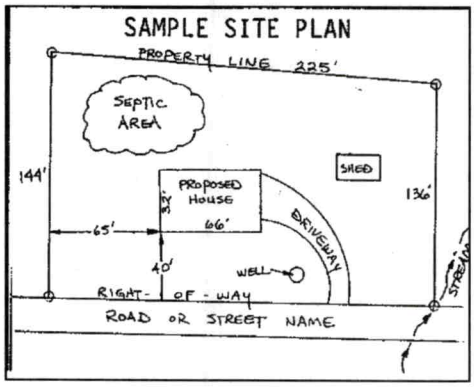
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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- **( ) Preferred well location**
- **( ) Preferred septic system location**
- **( ) North arrow, or other sufficient indicator of direction**



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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

**** Please see attached plot plan ****

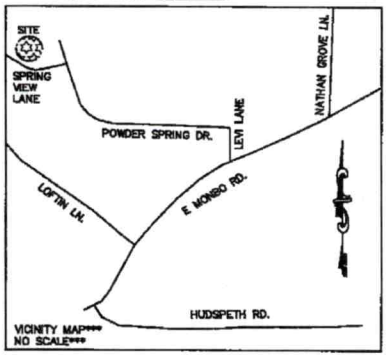
Signature: Heather Poston
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

03/02/22
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

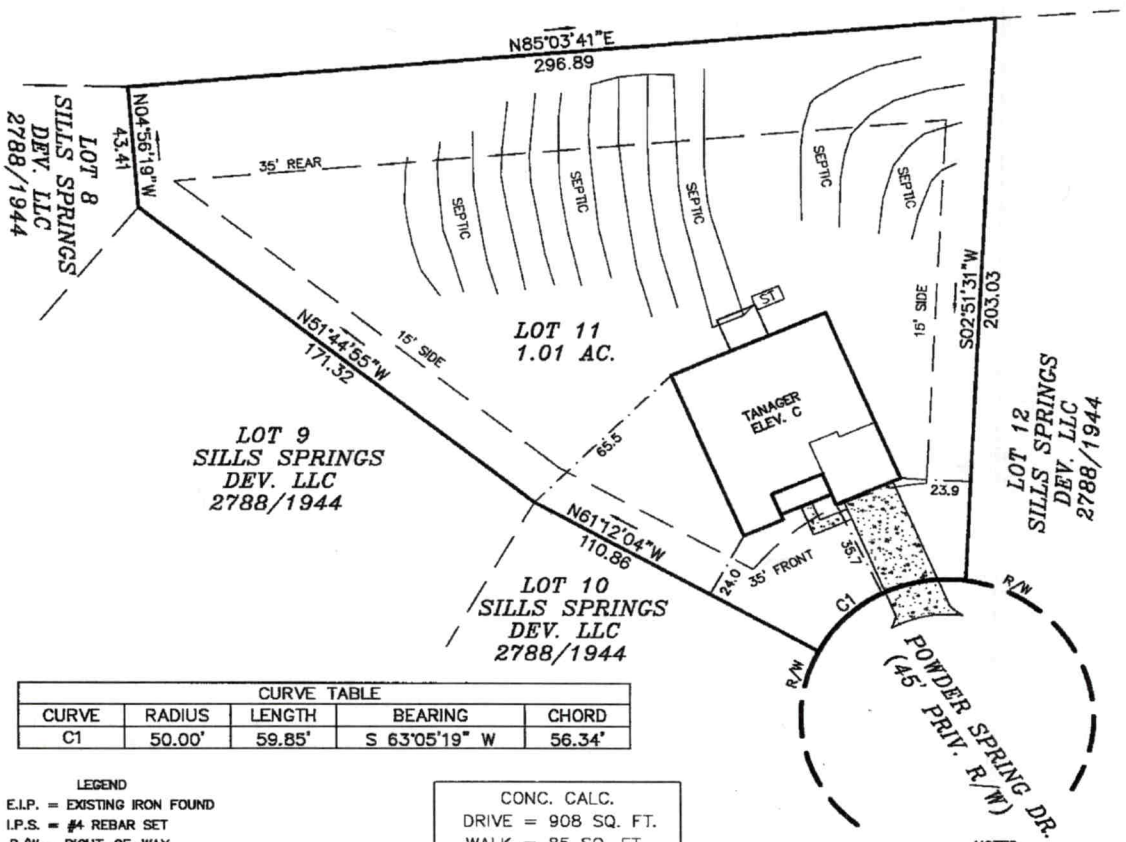
I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2788, page 1944, and/or plat book 72, page 108, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina,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

NORTH CAROLINA REGISTERED LAND SURVEYOR
WILLIAM M. ALLEN, PLS
L-3499
WILLIAM M. ALLEN



PB.72 PG.108

VICKI E. TROUTMAN
2047/942



CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	50.00'	59.85'	S 63°05'19" W	56.34'

LEGEND
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
CP = COMPUTED POINT

CONC. CALC.
DRIVE = 908 SQ. FT.
WALK = 85 SQ. FT.

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.
5) SETBACKS SHOWN PER PLAT (PB.72 PG.108)

0' 25' 50' 100'
SCALE IN FEET

PLOT PLAN SURVEY

OF
180 POWDER SPRING DR
LOT 11 POWDER SPRING CREEK

SCALE 1" = 50'
FALLSTOWN TWSP., IREDELL., N.C.
ACQUIRED BY: NEST HOMES LLC

FIELD BOOK:
FILE: POWDER SPRING CREEK 11
DC FILE:
TAX MAP NO: 4721410715.000