ICHD - ENVIRONMENTAL HEALTH DIVISION

[redacted] (704) 878-5305 x3456 Mooresville Office (704) 660-3625

PERMIT: AP 311056

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

PIN # 4721-41-3422

APPLICANT/OWNER: Nest Homes APPLICANT ADDRESS: 536 Raceway Drive Suite 7 Mooresville NC 28117

SITE ADDRESS: 1116 Powder Spring Drive Statesville 28677 PHONE: 704-202-1524 ALT. PHONE

SITE DIRECTIONS: East Marbo Rd to Lewis Love Road Powder Spring Pl on

SUBDIVISION: Powder Spring Creek SECTION: 1 LOT # 14 LOT AREA: .924 AC

SAP CONTROLLED: ☐ YES ☒ NO

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	8	Linear Ft	440					
Trench Width	36 in		Trench Bottom Depth	24 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:

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 North Carolina PA

LSS # 1231 Dated Dec 1st 2021

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.

Berm runs entire length of back property line → final land scaping needs to ensure water is not ponding at base of berm, on the end of drain lines. Shape to shed water off lines.

- Landscape good 3/9/2022 BJ

As Built Attached

Drainlines good 1/25/22 DW

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.*

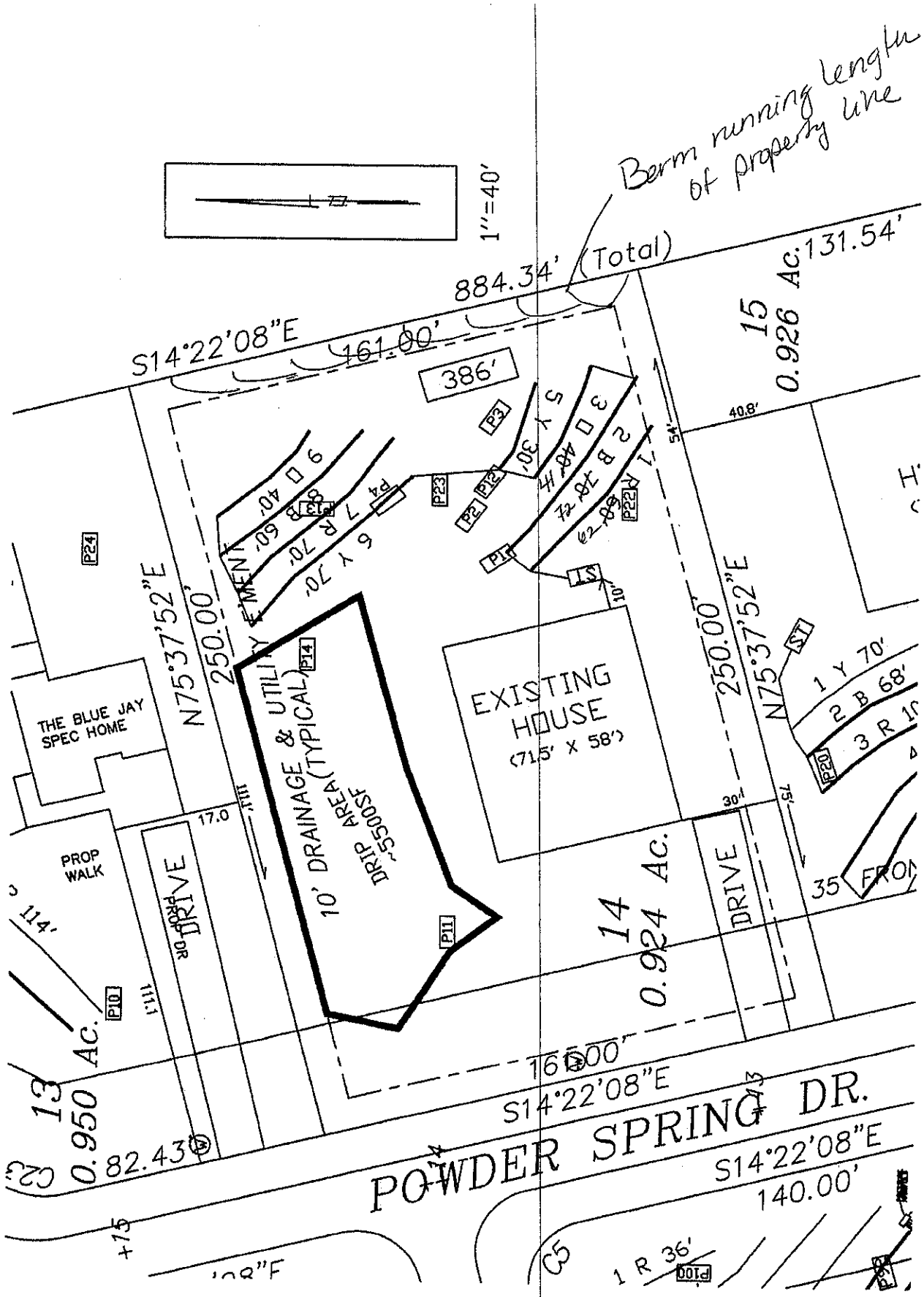
Owner / Applicant Signature: [signature] Date: 1-4-22 Installed by: Specialty Septic

IMPROVEMENT PERMIT by: [signature] Date: 1/10/2022 OPERATION PERMIT by: [signature] Date: 3/9/22

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 1/25/22 Existing System Inspected by: Date:

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

As Built


1"=40'
Berm running length of property line
884.34' (Total)
S14°22'08"E
161.00'
386'
15
0.926 Ac.
131.54'
40.8'
N75°37'52"E
250.00'
EXISTING HOUSE
(71.5' x 58')
THE BLUE JAY SPEC HOME
PROP WALK
DRIVE
17.0'
10' DRAINAGE & UTILITY EASEMENT (TYPICAL)
DRIP AREA
DRIP 5500SF
14
0.924 Ac.
13
0.950 Ac.
82.43'
160.00'
POWDER SPRING DR.
140.00'
P1
P2
P3
P4
P10
P11
P12
P13
P14
P20
P22
P23
P24
P100
1S
2S
3S
4S
5S
6S
7S
9 D 40'
8 B 60'
7 R 70'
6 Y 70'
5 Y 30'
3 D 48'
2 B 78'
1 Y 70'
2 B 68'
3 R 1
1 R 36'
C3
C5

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 20-0059
December 1st 2021

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

RE: Soil& Site Evaluation for a 4 Bedroom Residence on Lot 14 Powder Spring Creek Subdivision, 0.924 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 existing 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 base map. The proposed septic layout was located via Trimble Submeter GPS/tape measures and used to produce the attached *Site Plan*. The house was under construction and septic tank had already been installed.

Methodology

We evaluated soil areas through the use of backhoe pits. Six backhoe pits had been previously evaluated. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with four new pit locations on the property flagged and located via GPS. Eight of the ten 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 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 14 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 440 linear feet of line. The primary system is proposed as 440 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Maximum trench depth is specified at 24 inches. The first septic line may require additional depth of installation due to the plumbing stub and existing tank depth. The repair system is proposed as 5,500 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

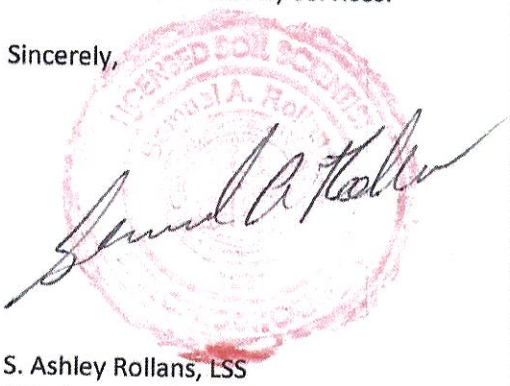
Print Name Jenna DuBois
Signature Jenna DuBois 12/2/21

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 14 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 14 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
Application	10-11
Green Sheet	12
Agent Authorization Form	SUBMITTED

11/29/2021
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 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 14
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	452	
Loading Rate (gpd/ft.^{2}):	0.275	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	24 in.	Repair Trench Bottom 6 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	14	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	9.14	
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:	1320
TOTAL LATERAL LENGTH:	440
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	436.3636364
SUPPLY LINE LENGTH:	14
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 14

Project #: 20-0059

LAYOUT FOR 4 BEDROOM HOME

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	11/29/2021 DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	*RED*					*60*	*60*
2	*BLUE*					*70*	*70*
3	*ORANGE*					*40*	*40*
4	*YELLOW*					*30*	*30*
5	*YELLOW*					*70*	*70*
6	*RED*					*70*	*70*
7	*BLUE*					*60*	*60*
8	*ORANGE*					*40*	*40*
9	DRIP REPAIR					~5,500 SF	~5,500 SF
					Total	440	440

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	MAX TRENCH DEPTH
** System*	*440*	*0.275*	*ACCEPT.*	*0.275*	*25% RED*	*GRAVITY*	24"
Repair	~5,500 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.

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

CALCULATIONS

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

Lot No: 14

No. of Bedrooms 4

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

LTAR 0.275 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 14 ft.

Supply Line Volume 9.142 gal.

Required Feet of Line 436.3636 ft.
Amount of Line from Layout 440 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

[redacted]

PROPERTY ID #: 1921412610
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 gpd
LOCATION OF SITE: Lot 14 Powder Spring Creek Subdivision
APPLICATION DATE
DATE EVALUATED: 2020
PROPERTY SIZE: 0.924 AC
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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
P 11 [redacted]	L/4-9%	0-6	RBCL wfsbk	Fr SS SP SEXP	Few Rock Inclus, Few Saprol/Parent Veins	24	–	24	PS 0.1 Drip
		6-24	RC wmsbk/Mbk	Fr SS SP SEXP					
		24-45	>50% Rock/Hard SAP						
P 12 [redacted]	L/7%	0-4	BSL Gr	Fr SS SP SEXP	Few SHP Inclusions 62 Few to C. SAP	–	–	–	PS 0.275
		4-10	YBSCL wmsbk	Fr SS SP SEXP					
		10-28	RC/SC wmsbk/Mbk	Fr SS SP					
		28-62	RBCL wfsbk	Fr SS SP					
P 13 [redacted]	L/18%	0-11	BSL Gr	Fr SS SP SEXP		42	–	–	PS 0.275
		11-30	RC wmsbk/Mbk	Fr SS SP SEXP					
		30-42	BCL wfsbk	Fr SS SP					
		42-48	VAR SL mass	F NS NP					
P 14 [redacted]	L/4%	0-7	BSL Gr	Fr SS SP SEXP		27		27	PS .25 At Grade
		7-27	RCwfsbk	Fr SS SP SEXP					
		27+	Rock						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted 25%	Drip
Site LTAR	0.275	0.1

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

PROPERTY ID #: 4732141216057
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 2a	L/8-10%	0-12	BSCL wfsbk	Fr SS SP SEXP	- Few SAP Incl.	50	PS	—	PS 0.3 - .325
		12-20	BRC/SC wmsbk/Abk	Fr SS SP SEXP	- C SAP Incl.				
		20-50	RBCL wfsbk	Fr SS SP SEXP					
		50-100	VAR SL MASS	Fr SS SP					
P 23	L/8-10%	0-11	BSCL wfsbk	Fr SS SP SEXP	- C. Schist Z 50%	24		24	PS - 24 0.1 Drip
		11-24	BRSL/c wmAbk	Fr SS SP SEXP					
		24-30	CR		> 50% Rock				
P 1	11/24/21 New L/10% Low side 8' Fill on High side Towards House	0-6	Fill			58	—	—	PS 0.275 - .3
		6-9	BSCL wfsbk	Fr SS SP					
		9-29	RC wmsbk	F SS SP					
		29-58	RBCL wfsbk	Fr SS SP	- few SAP Incl. Schist				
P 2	L/10%	0-8	BSCL wfsbk	Fr SS SP SEXP	- C. Saprolite	15		15	UN
		8-15	BRC wmsbk	Fr SS SP					
		15-50	CR						
P 3	L/10%	0-13	BSCL wfsbk	Fr SS SP SEXP	- Few SAP/ Wthrd	51	—	—	PS 0.275
		13-41	BRC wmsbk/Abk	Fr SS SP					
		41-51	RBCL wfsbk	Fr SS SP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

PROPERTY ID #: Same
DATE OF EVALUATION: Same
COUNTY: Same

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 4	L/10%	0-9	BSCL wfsbk	Fr SS SP SExP	few to c. SAP	52	-	-	PS 0.3
		9-33	RBC wmsbk	Fr SS SP					
		33-52	RBCL wfsbk	Fr SS SP					

COMMENTS:

RECEIVED JAN 06 2022

S.L.

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP-311056 $500.00

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: 1116 Powder Spring Dr. Statesville NC 28677

Subdivision Name: Powder Spring Creek Section/Phase: _____ Lot Number: 14

Driving Directions: East Monbo Rd to Levi Lane, Left onto Power 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: _____ 12/1/21

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

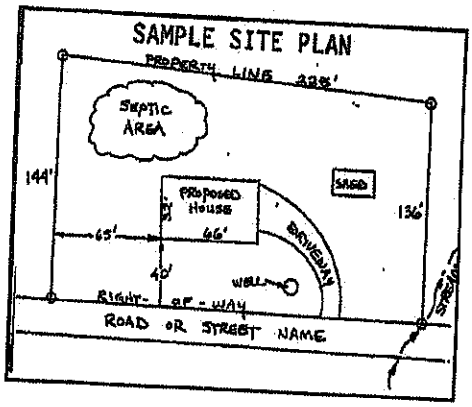
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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

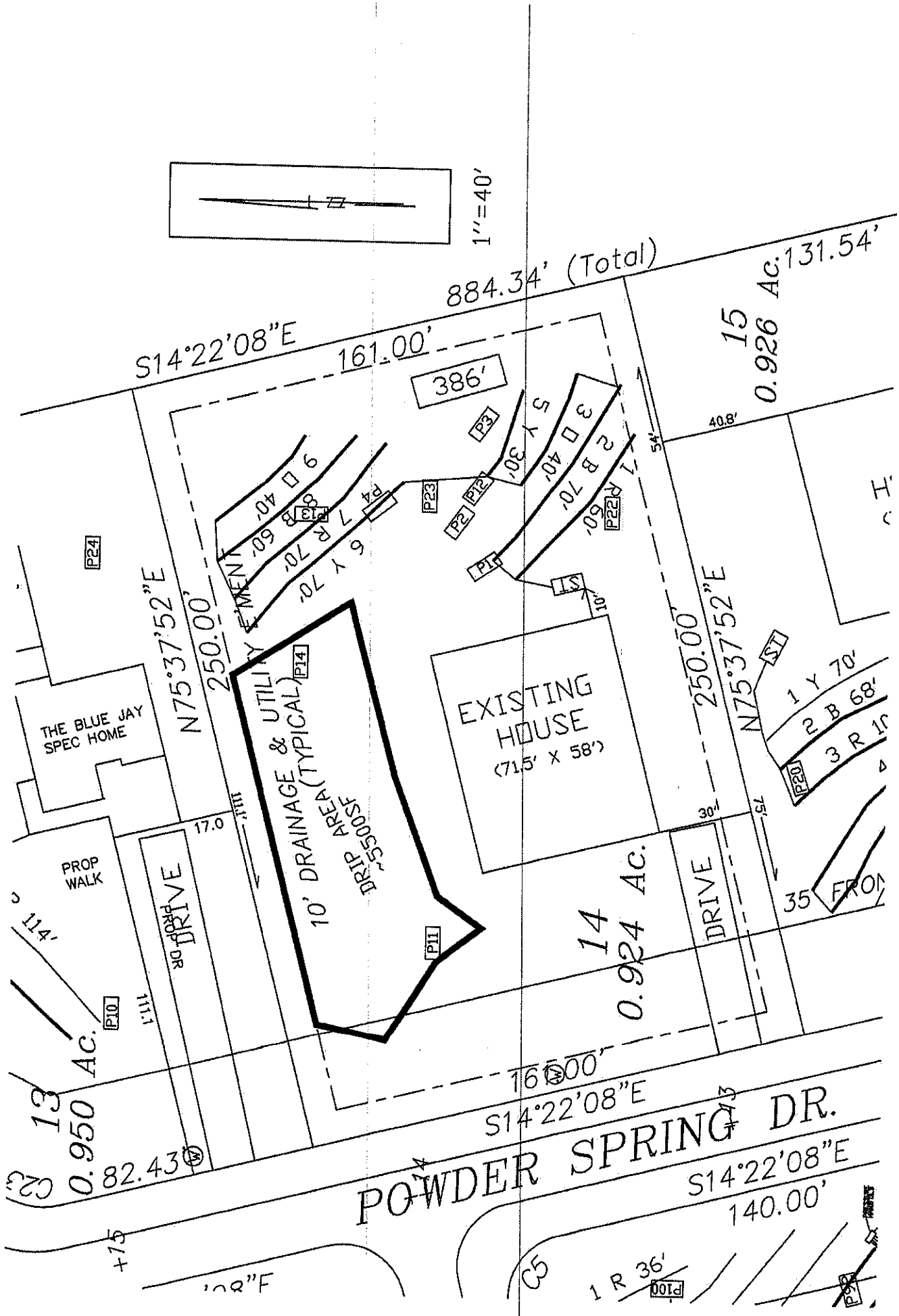
USE THIS SPACE TO DRAW YOUR SITE PLAN

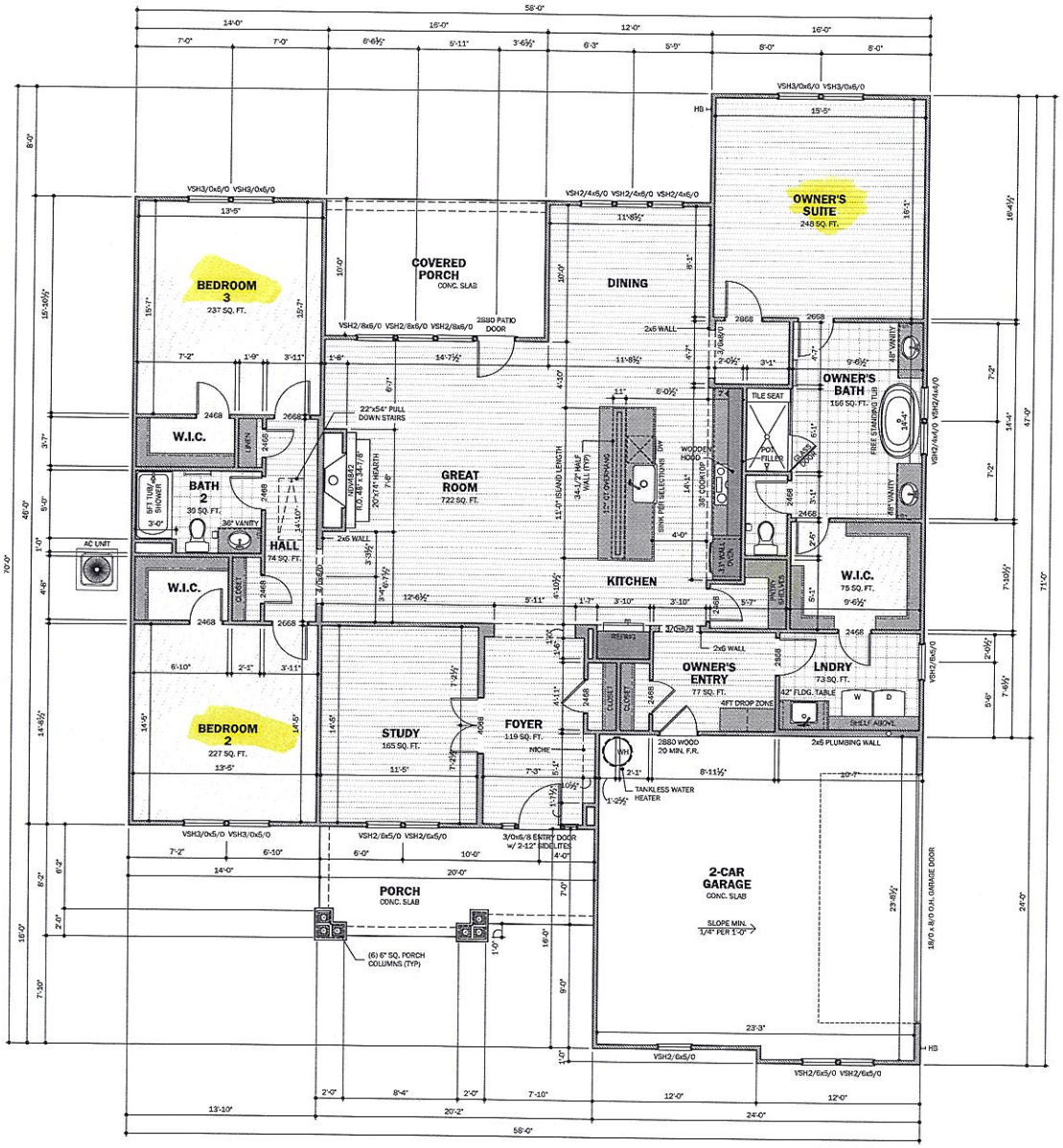
Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See Attached

Signature: [signature] 12/1/21

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


1"=40'
884.34' (Total)
S14°22'08"E
161.00'
386'
15
0.926 Ac.
131.54'
40.8'
54'
N75°37'52"E
250.00'
EXISTING HOUSE
(71.5' x 58')
THE BLUE JAY SPEC HOME
10' DRAINAGE & UTILITY EASEMENT (TYPICAL)
DRIP AREA
±550SF
P1
P2
P3
P4
P10
P11
P14
P20
P22
P23
P24
ST
PROP WALK
DRIVE
17.0
30'
75'
14
0.924 Ac.
13
0.950 Ac.
82.43'
POWDER SPRING DR.
140.00'
C5
1 R 36'
35



FLOOR PLAN - ELEVATION B

SCALE: 1/4" = 1'-0"
9'-1 1/8" WALL HEIGHT
WINDOW HEADER @ 8'-0" A.F.F.

Nest Homes
709 Parkway Drive, Suite 2
Mooresville, NC 28117
PH: 704-906-6131
www.nesthomes.com

Township/County
CODDLE CREEK TOWNSHIP
IREDELL COUNTY

Engineer
INTELLIGENT DESIGN ENGINEERING
1945 J N PEASE PLACE #204
CHARLOTTE, NC 28262
CHAD RITTER, P.E.
CORPORATE LIC.#C-3118
704-335-7290

Stamp/seal

Project name/owner
THE PEREGRINE ELEVATION B
POWDER SPRINGS LOT 14 TBD
ARLENE JEFFERY JAMES JEFFERY

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Date: February 19, 2021
Drawn by: IPR
Reviewed by: MCN
Plan set scale: 24x36 sheet 1/4" = 1'-0" 11x17 sheet NOT TO SCALE
Project/plan code: —
Drawing set: FOR CONSTRUCTION
Sheet title/description: FLOOR PLAN

Sheet no.: **A3.0**

Master plan version: v1.0

C:\Users\Marvin\Castillo-Nevin\Dropbox (Nest Homes)\CAD FOLDER_OUTSOURCE\POWDER SPRINGS\LOT 14\PS14_PEREGRINE B_RH_MONO_021921.dwg Plot Date:Monday, March 29, 2021 12:07:09 PM Plot Scale: 11"x17" = 1/8"=1'-0" 22"x36" = 1/4"=1'-0"
Plotted by Marvin Castillo-Nevin

Powder Springs 14

Lot 14

IREDELL COUNTY · NC

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

APPLICATION NUMBER
311056
Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4721412167.000	EAST MONBO RD	Iredell County

Owner Information	Applicant Information
Name: RH FUND XII LLC	Name: SILLS SPRINGS DEVELOPMENT LLC
Address: 2250 NW FLANDERS ST STE G02	Address: P.O. BOX 3965
PORTLAND, OR 97210	MOORESVILLE, NC 28117
Phone:	Phone: (704)208-4251

Use Requested	Zone Code
Single Family Dwelling	R-20 CUD

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0	35	35	15	15	WSIV-PA Catawba/Lake Norman	YES

Remarks

SFD - 166 POWDER SPRING - HOLD BU UNTIL PLAT RECORDED

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.

Signature of Owner/Contractor

Date: 09/18/2020

Permit Number	311056	TOTAL FEES:	$77.25