10:30

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 311788.

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

PIN # 4721 -41 -0061.

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

SITE ADDRESS: 151 Powder Spring Drive Statesville NC 28677. PHONE: — ALT. PHONE 704- 202-1524

SITE DIRECTIONS: East Monbo Rd to Levi Lane On Powder Spring Drive. SAP CONTROLLED: ☒ YES ☐ NO

SUBDIVISION: Powder Spring Creek SECTION: — LOT # 2 LOT AREA: 1.051 Acres DESIGN FLOW: 360 L.T.A.R.: .30.

Septic Tank 1000 (gal)	STB 760	Date 5-3-22.	☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3	Water Supply
Pump Tank — (gal)	PT —	Date —	System Description: Gravity - PPBPS- 50% Reduction	☐ Business	No. Persons 6	☒ Private
Pump Make —	Model —	Serial # —	Repair System Description: PPBPS- 50% Reduction	☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 4	Linear Ft 200	Maintenance Agreement Required: ☐ YES ☒ NO	☐ Slab	☒ Crawl Space	☐ Community
Trench Width 24	Trench Bottom Depth 36inch	Gravel Depth —	☒ GRAVITY ☐ PRESSURE	☐ Basement w/ plumbing		☐ Basement w/o plumbing

Comments / Conditions:

Installed as permitted..

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**

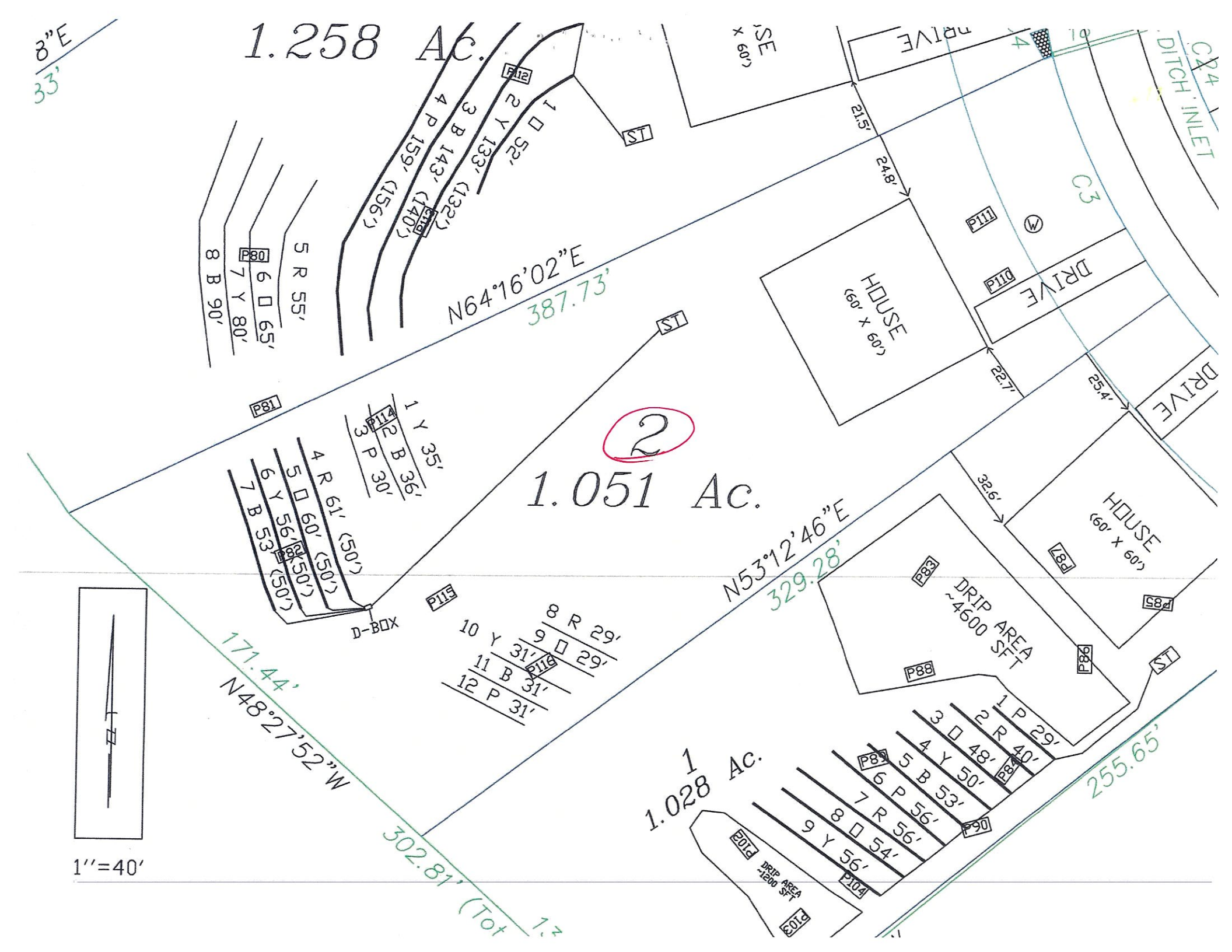
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 11/19/21 Installed by: Specialty Septic

IMPROVEMENT PERMIT by: Benjamin A. Bobbitt Date: 11-16-2020 OPERATION PERMIT by: Benjamin A Bobbitt Date: 6/28/2022

AUTHORIZATION TO CONSTRUCT by: Benjamin A Bobbitt Date: 11-16-2021 Existing System Inspected by: Date:

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


1.258 Ac.
33'
P112
4 P 159' (156')
3 B 143' (140')
2 Y 133' (132')
1 □ 52'
ST
P80
8 B 90'
7 Y 80'
6 □ 65'
5 R 55'
N64°16'02"E
387.73'
P81
P114
1 Y 35'
2 B 36'
3 P 30'
4 R 61' (50')
5 □ 60' (50')
6 Y 56' (50')
7 B 53' (50')
D-BOX
P115
2
1.051 Ac.
P116
8 R 29'
9 □ 29'
10 Y 31'
11 B 31'
12 P 31'
171.44'
N48°27'52"W
302.81' (Tot
1
1.028 Ac.
P102
DRIP AREA 1200 SFT
P103
P104
9 Y 56'
8 □ 54'
7 R 56'
6 P 56'
5 B 53'
4 Y 50'
3 □ 48'
2 R 40'
1 P 29'
P89
P84
P90
255.65'
N53°12'46"E
329.28'
P83
DRIP AREA ~4600 SFT
P88
P86
32.6'
HOUSE (60' x 60')
P87
P85
ST
21.5'
24.8'
22.7'
25.4'
P111
P110
DRIVE
C3
C24
DITCH INLET
HOUSE (60' x 60')
DRIVE
DRIVE

GRAVITY PPBPS 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 2
Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	360
System Flow:	N/A

Design Specifications

Drainfield Size:	360	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	36 in.	Repair Trench Bottom 36 in.
Trench Width:	24 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	142	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	92.73	
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

PPBPS SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	400
TOTAL LATERAL LENGTH:	200
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	200
SUPPLY LINE LENGTH:	154
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 2

Project #: 20-0059

LAYOUT FOR 3 BEDROOM HOME

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	10/08/2020 DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	YELLOW					35	35
2	BLUE					36	36
3	PINK					30	30
4	***RED***					*61*	***50***
5	***ORANGE***					*60*	***50***
6	***YELLOW***					*56*	***50***
7	***BLUE***					*53*	***50***
8	RED					29	29
9	ORANGE					29	29
10	YELLOW					31	31
11	BLUE					31	31
12	PINK					31	31
					Total	482	452

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH
** System*	*200*	*0.300*	*MOD. CONV.*	*0.300*	***PPBPS***	***GRAVITY***	36"
Repair	252	0.300	MOD. CONV.	0.300	PPBPS	GRAVITY	36"

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)

GRAVITY PPBPS SPECIFICATIONS - Powder Springs Lot 2

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	# of Panels
4	*RED*	*N/A*	*50*	*N/A*	*N/A*	100	12
5	*ORANGE*	*N/A*	*50*	*N/A*	*N/A*	100	12
6	*YELLOW*	*N/A*	*50*	*N/A*	*N/A*	100	12
7	*BLUE*	*N/A*	*50*	*N/A*	*N/A*	100	12
						400	48

total	feet =	296	gal/min =	N/A
		Des. Flow	360	
		Pump Run=	N/A	
		soil LTAR	0.3	
		LTAR +5%	0.315	
		LTAR with mod.	0.6	
		LTAR with mod.. + 5%	0.63	

.156 equals 5/32 inch hole

CALCULATIONS

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

Lot No: 2

No. of Bedrooms 3

Design Flow 360 $^{gal}/_{day}$

LTAR 0.300

PPBPS? (YES OR NO) YES

Supply Line Length 142 ft.

Supply Line Volume 92.726 gal.

Required Feet of Line 200 ft.
Amount of Line from Layout 200 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 2
PROPERTY ID #: 4721412
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Nest Homes (Buyer)
ADDRESS: 236 Raceway Dr. Suite 7, Mooresville NC 28117 — APPLICATION DATE
PROPOSED FACILITY: 3BL — PROPOSED DESIGN FLOW (.1949): 360 gpd — DATE EVALUATED: 2020
LOCATION OF SITE: Powder Spring Dr., Statesville NC 28677 Lot 2 — PROPERTY SIZE: 1.051 ac
WATER SUPPLY: ☑ Private ☐ Public ☑ Well ☐ Spring ☐ Other — PROPERTY RECORDED:
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
P 82 1	L/20%	0-4	BSL Gr	Fr SS SP SEXP	C.SAP	44	PS	–	PS 0.35-0.4
		4-44	RBSCL/cl wfsbk	Fr SS SP SEXP					
		44-68	VAR SL MASS	Fr SS SP					
P 110	L/11%	0-9	BCL wfsbk	Fr SS SP SEXP	Few to C.SAP	39	PS	–	PS 0.3
		9-31	RC wmsbk	Fr SS SP SEXP					
		31-39	RBCL wfsbk	Fr SS SP SEXP					
		39-69	VAR SL MASS	Fr SS SP					
P 111	L/11%	0-8	BSCL wfsbk	Fr SS SP SEXP	Few SAP	48	–	–	PS 0.3
		8-30	RC wmsbk	Fr SS SP SEXP					
		30-48	RBCL wfsbk	Fr SS SP SEXP					
P 114	L/13%	0-10	BSCL wfsbk	Fr SS SP SEXP	Few to C.SAP	56	PS	–	PS 0.3
		10-27	RC mmsbk	Fr SS SP SEXP					
		27-56	RBCL wfsbk	Fr SS SP SEX					
		56-66	VAR SL MASS	Fr SS SP					

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

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

PROPERTY ID #: 4721414216?
DATE OF EVALUATION: 2020
COUNTY: Iredell

Lot 2

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
P 115	L/11%	0-12	BSCL/SL Gr	Fr SS SP SEXP	-C. Gravel	12	—	12"	uN
		12-24	750% Rock						
P 116	L/20%	0-9	BSL Gr	Fr SS SP SEXP		58	—	—	PS 0.3
		9-17	BSCL wfsbk	Fr SS SP SEXP					
		17-40	BRC wmsbk/ABK	Fr SS SP SEXP	+Few SAP				
		40-58	RBscl/cl wmsbk	Fr SS SP SEXP	-few ap				

COMMENTS:

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 3 Bedroom Residence on Lot 2 Powder Spring Creek Subdivision, 1.051 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 moderate slope near the 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 is located on the Site Plan and will be surveyed 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 six pit locations on the property flagged and located via GPS. Three of the six 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 is illustrated on the Site Plan. 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 2 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 482 linear feet of line. The primary system is proposed as 200 linear feet of PPBPS (50% Reduction) drainfield with gravity distribution. Trench depth is specified at 36 inches. The repair system is proposed as 200 linear feet of PPBPS (50% Reduction) drainfield with gravity distribution. There is 252 linear feet available for repair. Trench depth is specified at 36 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 M. WETTER
Signature _____ 10/16/20

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 2 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,

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

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

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an PPBPS Septic System with gravity dist. for a 3 bedroom single family residence on Lot 2 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	7-8
Zoning Permit & Receipt	9-11
Application	12-13
Green Sheet	14
Agent Authorization Form	15

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 PPBPS (50% reduction) installation.
- Repair is specified as a gravity PPBPS (50% reduction) installation .

RECEIVED NOV 1 6 2021

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

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 Speings Dev LLC **Address:** PO Box 3965 , Mooresville NC **Zip:** 28117

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

Property Information:

Street Address: 151 Powder Spring Dr, Statesville NC 28677

Subdivision Name: Powder Spring Creek **Section/Phase:** **Lot Number:** 2

Driving Directions: I-77 S, Exit 45, right on Amity Hill Rd, Left - Murdock Rd
cross over Hwy 21/ 115 to Old Mountain Rd, left East Monbo Rd, right Levi Lane, left- 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:

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure:

( ) Crawl Space Foundation
(X) 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:

(X) 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 (X) 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: Heather Poston 11.16.2021
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

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

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

2. I, Eric Wood, am the legal owner(s) of the property located at 151 Powder Spring Dr, Statesville NC 28677, identified as

PIN (Parcel Identification Number) 4721410061.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Heather Poston, Nest Homes LLC, 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
Signature of Owner(s)

11/02/2021
Date

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 NOV 3 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP- 311788 Paid $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.

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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: 151 Powder Spring Dr., Statesville NC 28677
Subdivision Name: Powder Spring Creek Section/Phase: _____ Lot Number: 2
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: 3
Maximum Number of Occupants: 6
( ) 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 (X) 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: _____ 10/9/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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 *, identified as PIN (Parcel Identification Number) 4729412167 Lot 2, 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.

*	* 10/14/20		10/14/20
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

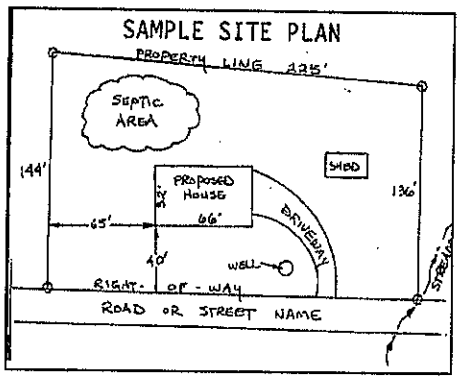
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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:

- ( ) Property Line measurements are clearly identified
- ( ) All proposed structures are indicated
- ( ) Front and side setbacks from property line
- ( ) Preferred driveway location
- ( ) Preferred well location
- ( ) Preferred septic system location
- ( ) 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

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

Signature: Heather Poston

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

11/02/2021

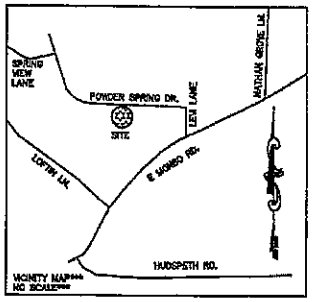
DATE

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 31, day of AUGUST A.D. 20 21.

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

WILLIAM M. ALLEN, PLS



PIN 4721303672
JOANN OVERCASH
2157/2139

PIN 4721218335
SHERYL D MORRISON
10E/969

N48°27'52"W
171.44

35' REAR

SEPTIC

D BOX

SEPTIC

15' SIDE

LOT 2
45,792 sq. ft.
1.05 acres

N64°16'02"E
387.73

S53°12'46"W
329.28

LOT 1
NEST HOMES
2788/1944

LOT 3
NEST HOMES
2788/1944

15' SIDE

THE TANAGER
ELEVATION C

CONC. CALCULATION
DRIVEWAY = 1,108 sq. ft.
SIDEWALK = 111 sq. ft.

22.8

27.5

83.6

35' FRONT

C1

R/W

R/W

POWDER SPRING DR
(45' PRIV R/W)

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

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.

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	272.50'	95.49'	S 26°45'02" E	95.00'

PLOT PLAN SURVEY

OF

151 POWDER SPRINGS DR

LOT 2 POWDER SPRING CREEK

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

0' 25' 50' 100'

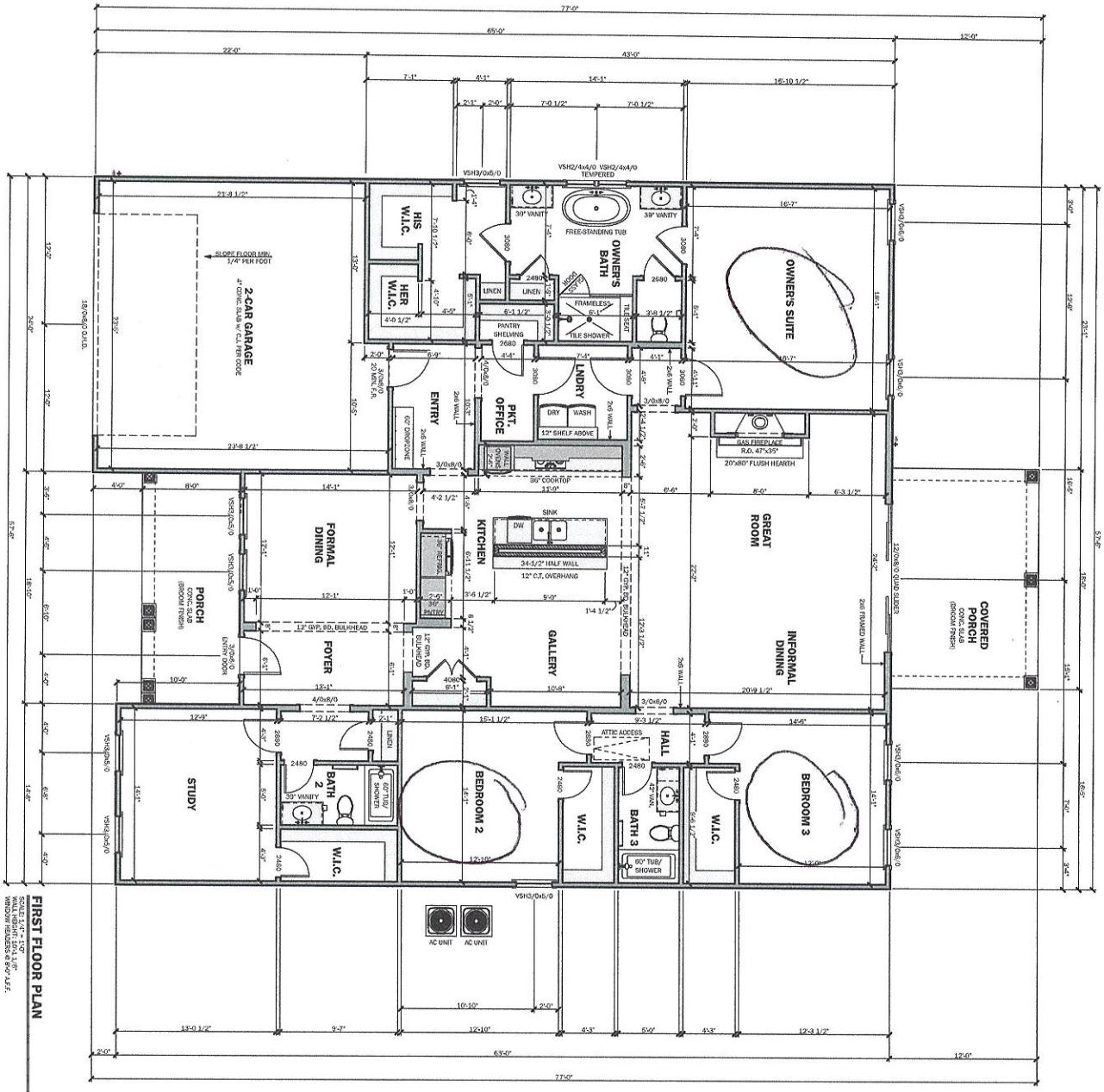
SCALE IN FEET

SCALE 1" = 50'

ACQUIRED BY: NEST HOMES

FIELD BOOK:
FILE: POWDER SPRING CREEK 2
DC FILE:
TAX MAP NO: 4721410061

G:\WEST HOMES\1_JOBS\POWDER SPRINGS-PS\LOT 2\PS2_TANGER C_BR_STEM.layout plot scale: 11"x17": 1/8" = 1'-0" 24"x36": 1/4" = 1'-0" plot date: Wednesday, November 3, 2021 10:00:09 AM



FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"
WALL HEIGHT = 10'-1 1/8"
WINDOW HEIGHTS @ 8'-0" A.F.F.

Acknowledgement Of Plans Submittal ONLY!

Benjamin Bass 11-16-2021

Heather Rose Date 11/16/2021

TEST HOMES
228 BRADSHAW PARK
SUITE 7
MOORESVILLE, NC 28117
704-799-8378
www.testhomes.com

Engineer
TOWNSHIP
COUNTY

IDE
INTELLIGENT DESIGN ENGINEERING
1545 JUNIPER PEAK PLACE
SUITE 210
CHARLOTTE, NC 28262
CORPORATE LIC. #C-1116
704-334-7200

Sales/Client

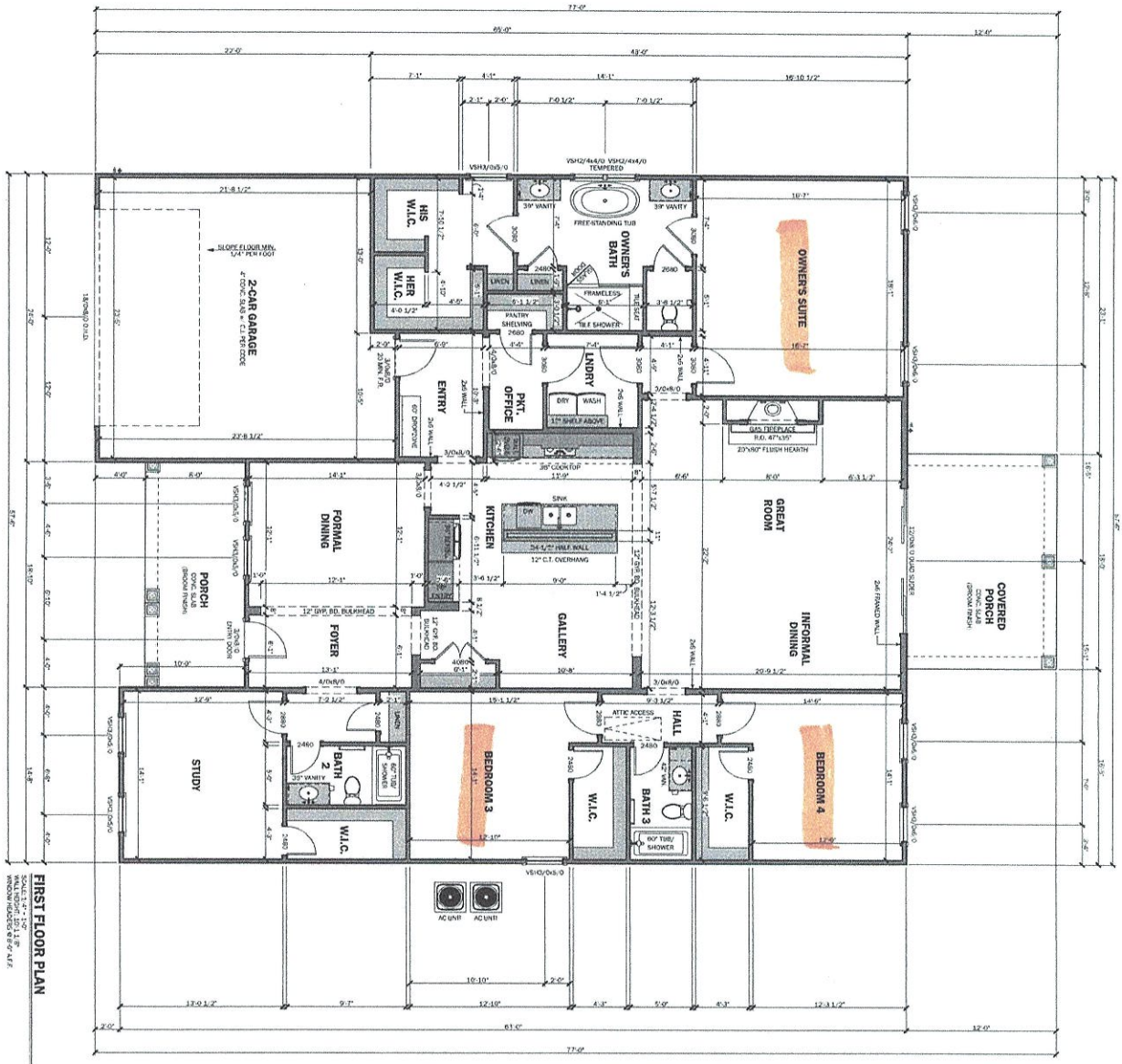
Project Name/Number
THE TANGER
ELEVATION C
POWDER SPRINGS
LOT 2

TEST HOMES, INC.
228 BRADSHAW PARK
SUITE 7
MOORESVILLE, NC 28117
704-799-8378

CHRISTOPHER J. GOMERIN
DESIGNER
704-509-8222

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Date	11/3/2021
Drawn By	RES
Removed By	—
Plan Set Scale	24x36 sheet 1/4" = 1'-0" 11x17 sheet 1/8" = 1'-0"
Project Plan Code	—
Drawing Set	FOR CONSTRUCTION
Sheet Title Description	FIRST FLOOR PLAN
Sheet Number	A3.0
Master Plan Version	v1



FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"
WALL HEIGHT: 10'-1 1/8"
WINDOW HEADERS @ 8'-0" A.F.F.

Acknowledgement Of Plans Submittal ONLY!

Date_____

Benjamin A Bell Date 11-16-2021

Sheet Number	A3.0
Master Plan Version	v13
Sheet Title	FIRST FLOOR PLAN
Zoning Set	FOR CONSTRUCTION
Plan Set Scale	24x36 Sheet 1/4" = 1'-0" 11x17 Sheet 1/8" = 1'-0"
Plan Set Date	6/11/2021
Drawn By	REIS
Reviewed By	—
Date	6/11/2021
Project Name/Owner	POWDER SPRINGS ELEVATION C
Project Address	TBD POWDER SPRINGS LOT 2 STATESVILLE, NC 28677
Owner/Client	CHRIS CAPHELA OWEN 258 PRESTON RD MOORESVILLE, NC 28117 704-209-9117
Drawing Set	
Engineer	IDE INTELLIGENT DESIGN ENGINEERING INTELLIGENT DESIGN ENGINEERING 1945 N. PEAK PLACE #204 CHARLOTTE, NC 28205 CHAD RITTER, PE CORPORATE LIC #C-3118 704-309-0300
Township/County	TOWNSHIP COUNTY
Architect	236 EASTWAY DRIVE MOORESVILLE, NC 28117 704-237-1177 www.epdesigns.com

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IREDELL COUNTY · NC

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

APPLICATION NUMBER
311788 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4721410061.000	151 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
1.051	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: 11/04/2020

Signature of Owner/Contractor

Permit Number	311788	TOTAL FEES:	$77.25

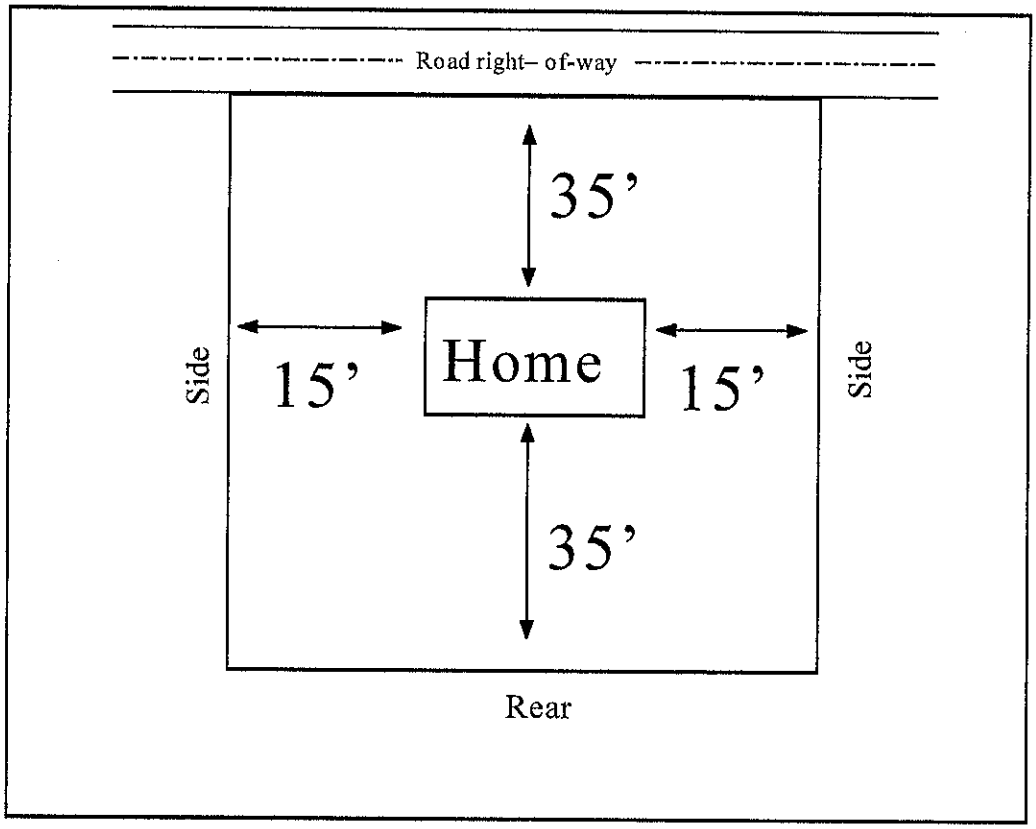
ZONING DISCLAIMER

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 Hotter 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.