ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 (DW) | PERMIT # AP 315540

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

PIN # 4648 -- 38 -- 9192

APPLICANT/OWNER: Nest Homes LLC | APPLICANT ADDRESS: PO Box 3965, Mooresville

SITE ADDRESS: 711 Cornelius Rd, Mooresville 28117 | PHONE: 980-500-1239 | ALT. PHONE

SITE DIRECTIONS: I-15 N - Connector - Cornelius | SAP CONTROLLED: [X] YES [ ] NO

SUBDIVISION: Sisters Cove | SECTION: 4 | LOT # 5 | LOT AREA: 0.739 | DESIGN FLOW: 480 gpd | L.T.A.R.: .3

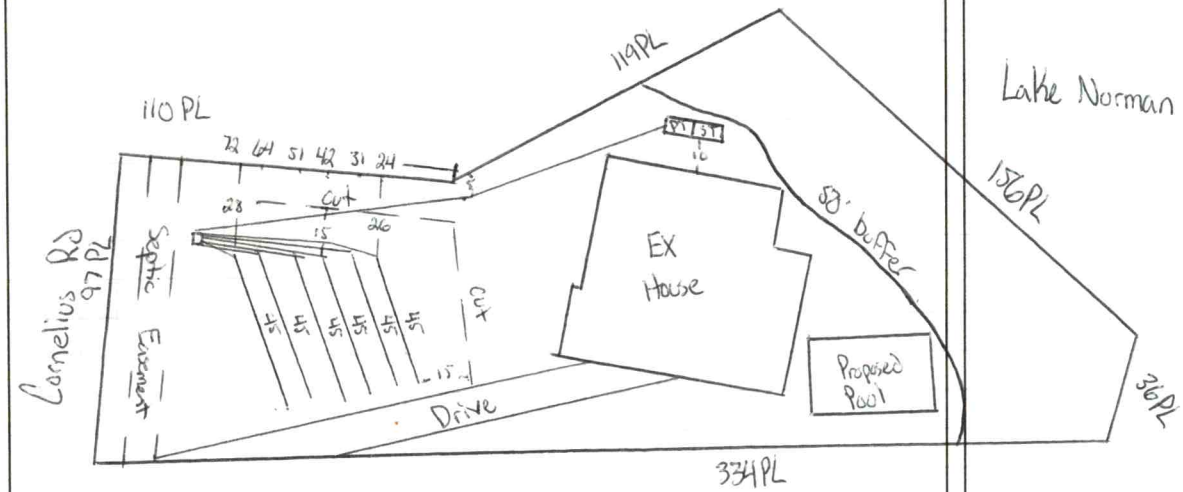
Septic Tank	1000 (gal)	STB	760	Date	[X] New System	[ ] Repair	[ ] Expansion	System Type: I II (III) IV V VI	[X] Residence	No. Bedrooms	4	Water Supply
Pump Tank	1000 (gal)	PT	363	Date	System Description:	VPPBPS (PM)			[ ] Business	No. Persons	8	[ ] Private
Pump Make		Model		Serial #	Repair System Description:	Offsite			[ ] Other	No. Employees		[ ] Public
# Nitrification Fields	1	# Lines	6	Linear Ft	270'	Maintenance Agreement Required:	[ ] YES	[X] NO	[ ] Slab	[X] Crawl Space		[X] Community
Trench Width	24"	Trench Bottom Depth(Low side)	33"	Gravel Depth	—		[ ] GRAVITY	[X] PRESSURE	[ ] Basement w/plumbing	[ ] Basement w/o plumbing		

Comments / Conditions: Install on contour of the land. Do not grade, park, or drive on septic area. Keep water line 10' from septic area. Stay 15' from cut.

INITIAL SITE SKETCH

Dose = 237.6 ½ sch 80
Flow = 32.88 2 ft head
Time = 7.2 2 in supply
Drawdown = 11.3

1"=60'



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.

Lake Norman

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.* [X] **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* [X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Heather Poston Date: 2/24/22 Installed by: Specialty

IMPROVEMENT PERMIT by: Cory Whit Date: 2/18/22 OPERATION PERMIT by: Cory Whit Date: 3/29/22

AUTHORIZATION TO CONSTRUCT by: Cory Whit Date: 2/18/22 Existing System Inspected by: Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

Item	Date	Initials
Drain Lines Checked	3/18	BB
Tanks Checked		
Pressure Manifold or Valve Box Checked	3/21	BB.
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments: Pressure Supply Line to Close Waterline on Neighboring Lot		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4648389192
COUNTY: Iredell

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

OWNER: Nest Homes
ADDRESS: PO Box 365 Mooresville NC 28117
PROPOSED FACILITY: New Singlefam PROPOSED DESIGN FLOW (.1949): 480GPD
LOCATION OF SITE: 711 Cornelius Rd Mooresville NC 28117

APPLICATION DATE: 3/5/2021
DATE EVALUATED: 4/15/2021
PROPERTY SIZE: 0.73 acres
PROPERTY RECORDED: YES

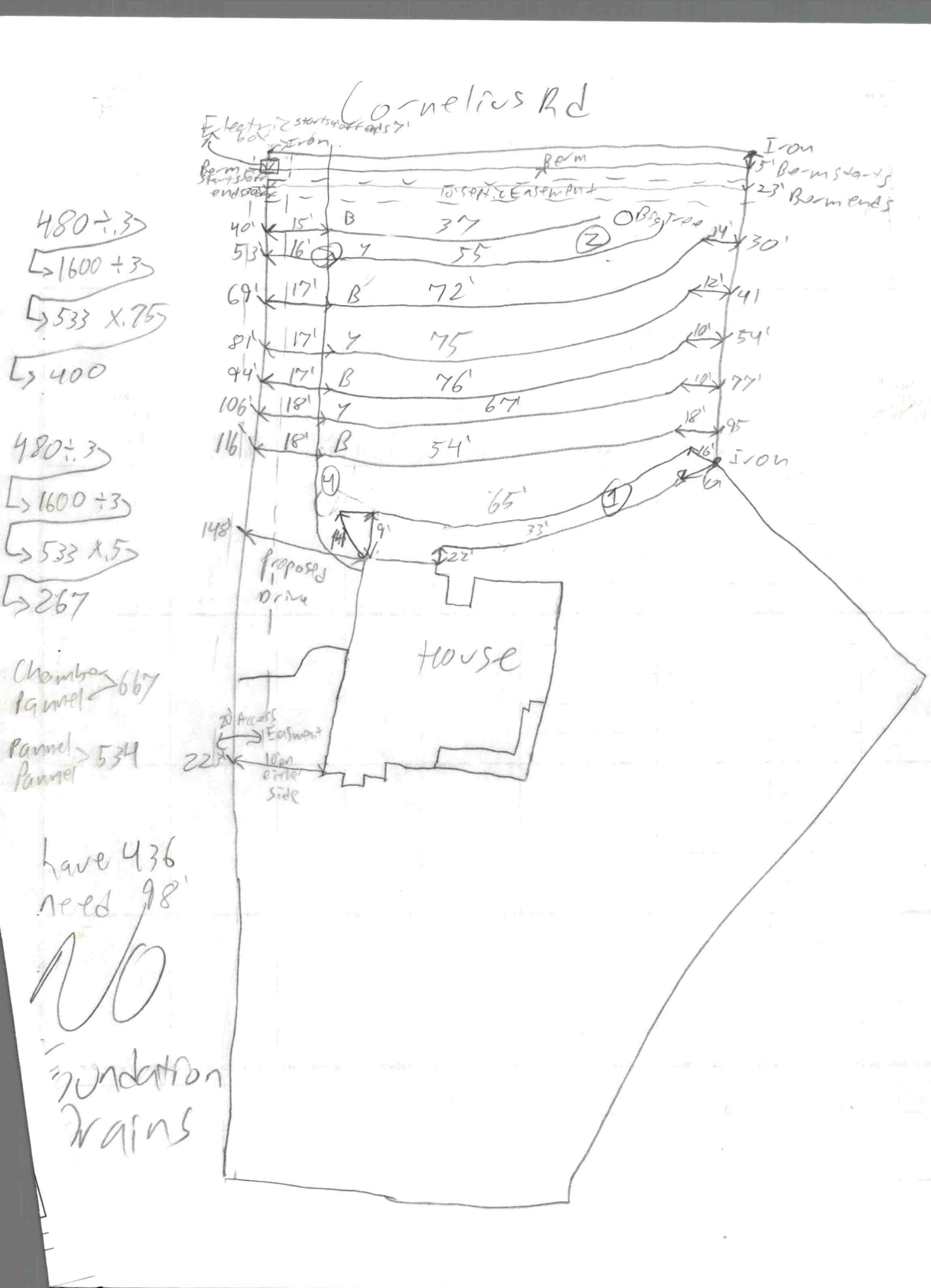
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☒ Other Community well
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	
1	SS 6%	0-5	Fill	—	—	60"	Litho very common at bottom	some manganese inclusions at bottom	PS,3
		5-10	SCL wSBK	Fr SSSP Sexp					
		10-18	C SBK	Fr SS SP Sexp					
		18-60	CL SBK	Fr SS SP Sexp					
2	SS 6%	0-4	Gravel/bone	—	few Bmottles	55"	Litho inclusions common to sandy saprt 55"	—	PS,3
		4-8	Compacted	Clay					
		8-30	C SBK/ABK	Fr SSSP Sexp					
		30-55	CL SBK	Fr SSSP					
		55-60	sandy sap mass	VFr					
3	SS 6%	0-7	Compacted Clay	—	—	45"	Litho inclusions to sandy saprt 45"	some manganese inclusions at bottom	PS,3
		7-11	C SBK/ABK	Fr SS SP Sexp					
		11-45	CL SBK	Fr SS SP Sexp					
		45-60	sandy sap mass	VFr					
4	SS 4%	0-10	Fill	—	—	66"	Litho inclusions Parent Rx more common at bottom	Parent Rx and manganese inclusions at bottom	PS,3
		10-17	SCL wSBK	Fr SSSP Sexp					
		17-35	C SBK/ABK	Fr SS SP Sexp					
		35-60	CL SBK	Fr SS SP Sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	267	267
System Type(s)	LPPPBPS	LPPPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Patrick B
OTHER(S) PRESENT:

COMMENTS: Partly cloudy windy


Cornelius Rd
Ex leach 60' Iron
Berm starts/ends
Berm
Iron
5' Berm starts
23' Berm ends
Septic Easement
40'
15'
B
37
513'
16'
Y
55
69'
17'
B
72'
81'
17'
Y
75
94'
17'
B
76'
106'
18'
Y
67
116'
18'
B
54'
65'
148'
9'
33'
22'
Proposed Drive
House
24'
30'
12'
41
10'
54'
12'
77'
18'
95
16'
Iron
20' Access Easement
10' on either side
480÷.3
1600÷3
533 X.75
400
480÷.3
1600÷3
533 X.5
267
Chamber Pannel > 667
Pannel Pannel > 534
have 436
need 98'
NO
Foundation drains

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

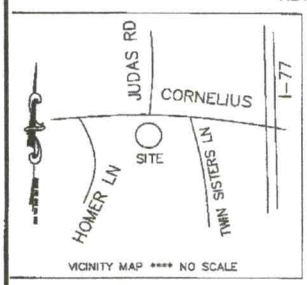
I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2458, page 46, and/or plat book 63, page 12, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 18, day of JULY,
A.D. 20 18.

REVISED : JULY 31, 2018(ROTATED HOUSE
REVISED : 12/9/2020 NEW HOUSE
REVISED : 2\23\2021 NEW HOUSE

WILLIAM M. ALLEN

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



CONC. CALCULATION
DRIVEWAY = 3,081 SF
SIDEWALK = 307 SF

LEGEND
P.P. = POWER POLE
POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY

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

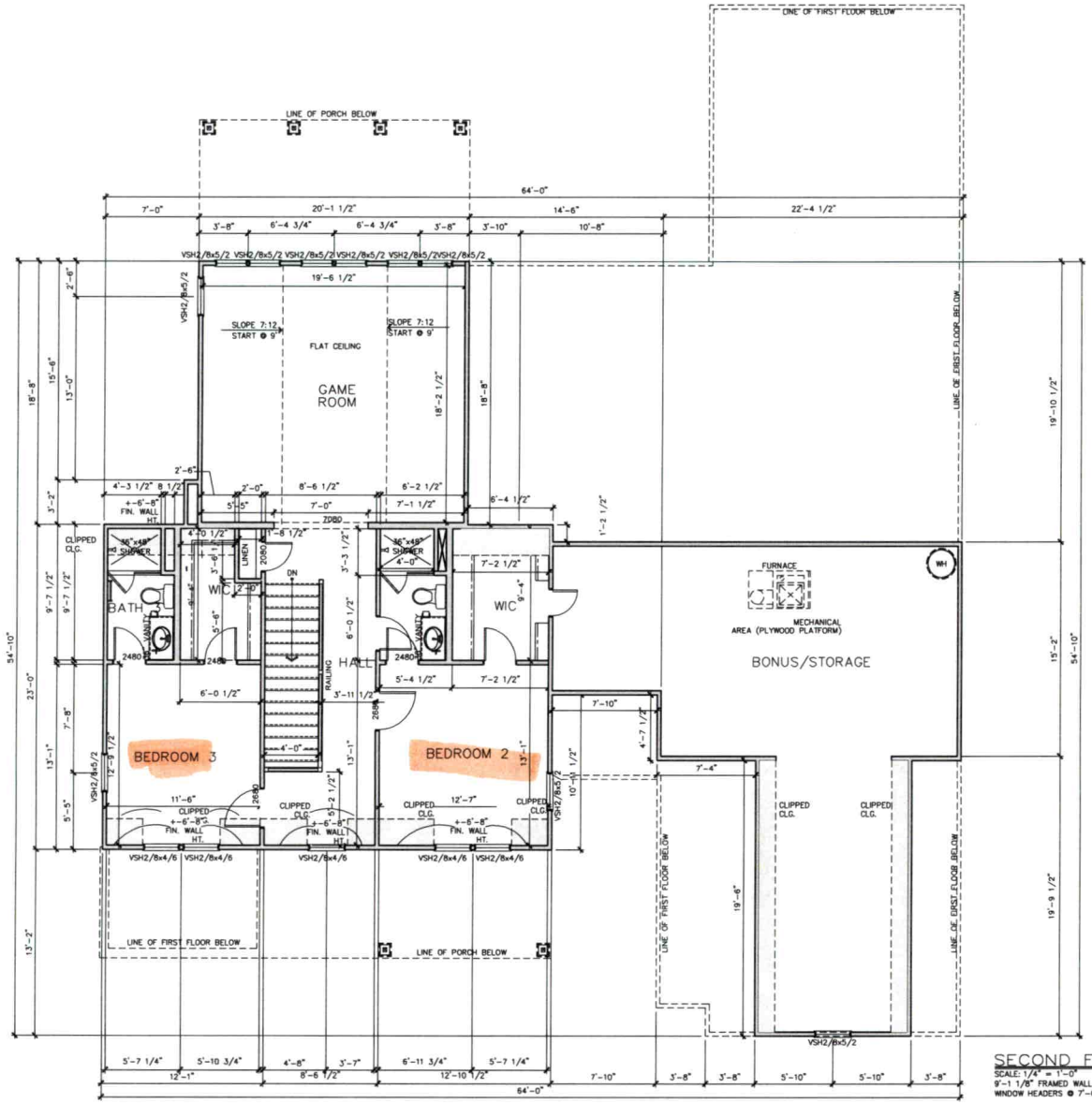
0' 25' 50' 100'
SCALE IN FEET

HOUSE FIT SURVEY

OF
711 CORNELIUS RD
LOT 5 SISTERS COVE PHASE IV
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 50'
ACQUIRED BY: NEST HOMES

FIELD BOOK:
FILE: SISTERS COVE 5
DC FILE:
TAX MAP NO: 4648389192



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"
9'-1 1/8" FRAMED WALL HEIGHT
WINDOW HEADERS @ 7'-0" A.F.F.

Acknowledgement Of Plans Submittal ONLY!
Date 4/12/21
Date 4/26/2021

HOMES

Township/County
DAVIDSON TOWNSHIP
IREDELL COUNTY

Inspector
INSPECTOR NAME
000-000-0000

Engineer
INTELLIGENT DESIGN ENGINEERING
CHAD RITTER, P.E.
704-335-7200

Stamp/seal

Project name/owner
THE KATE
LOW COUNTRY
SISTERS COVE
LOT 5
LORI BROSH
MARK BROSH
711 CORNELIUS RD
MOORESVILLE, NC
28117

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Date
February 11, 2021

Drawn by
MCN

Reviewed by
MCN

Plan set scale
24x36 sheet
1/4" = 1'-0"
11x17 sheet
1/8" = 1'-0"

Project/plan code
XX.XX.XXXX

Drawing set
CONSTRUCTION SET

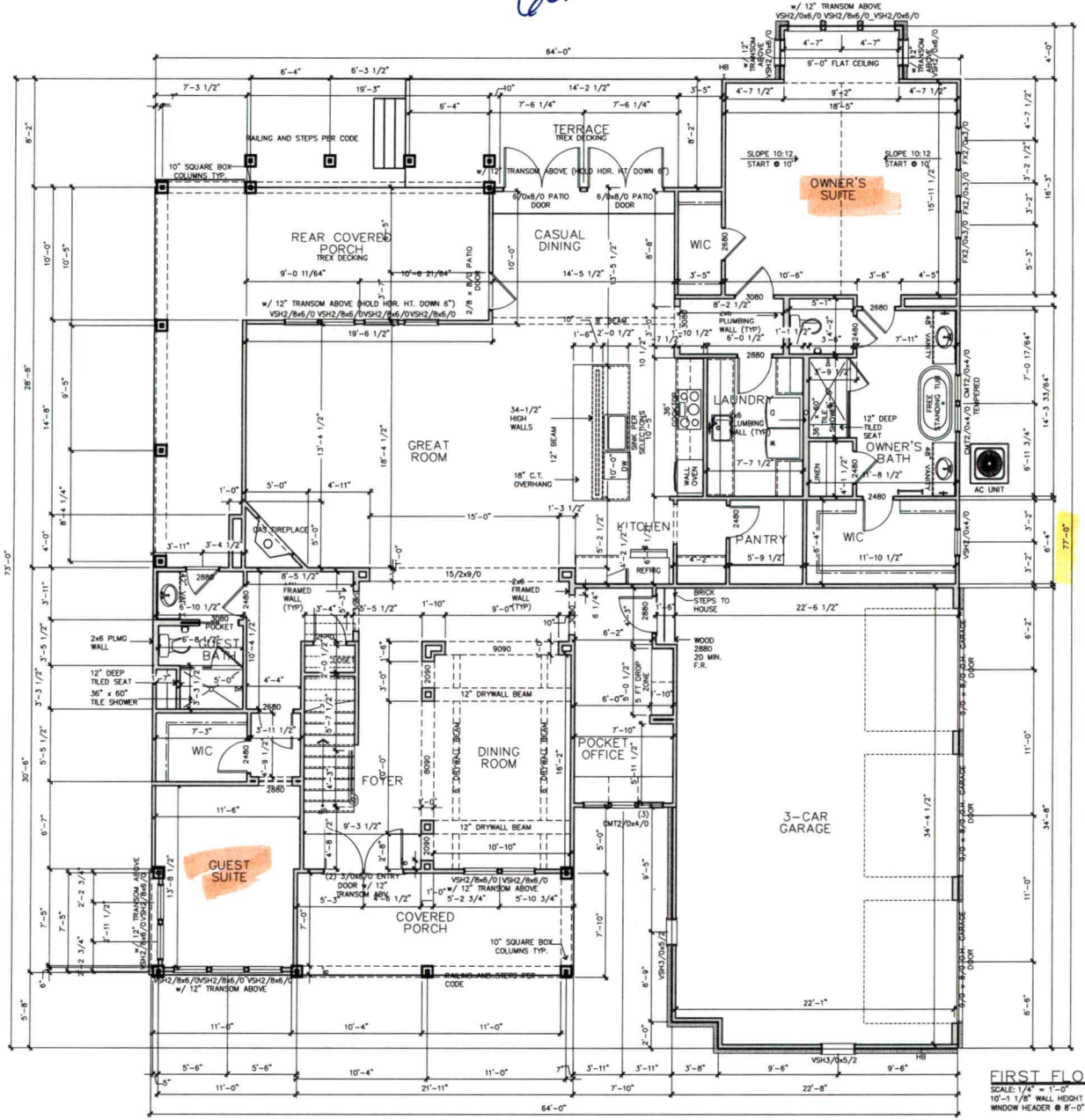
Sheet title/description
SECOND FLOOR PLAN

Sheet no.
A4.0

Master plan version
v0.1

64'

73'



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"
10'-1 1/8" WALL HEIGHT
WINDOW HEADER @ 8'-0" A.F.F.

Acknowledgement Of Plans Submittal ONLY!
Date 4/26/2021
Date 4/26/2021

NEST HOMES

Township/County
DAVIDSON TOWNSHIP
IREDELL COUNTY

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INSPECTOR NAME
000-000-0000

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INTELLIGENT DESIGN ENGINEERING
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1/8" = 1'-0"

Project/plan code
XX.XX.XXXX

Drawing set
CONSTRUCTION SET

Sheet title/description
FIRST FLOOR PLAN

Sheet no.
A3.0

Master plan version
v0.1

IREDELL COUNTY · NC

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

APPLICATION NUMBER
315540 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4648389192.000	711 CORNELIUS RD	Iredell County

Owner Information	Applicant Information
Name: RIVER TOP DEV LLC	Name: NEST HOMES LLC
Address:	Address: PO BOX 3965
,	MOORESVILLE, NC 28117
Phone:	Phone: (704)808-1064

Use Requested	Zone Code
Single Family Dwelling	RA-PER REBECCA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.739	35	50	15	15	WSIV-CA Catawba/Lake Norman	YES

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: 03/05/2021

Signature of Owner/Contractor

Permit Number	315540	TOTAL FEES:	$77.25