IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 21,2923

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

PIN # 4648-37-~~2556~~ 2564

APPLICANT: Nest Homes LLC APPLICANT ADDRESS: PO Box Mooresville NC 28117

SITE ADDRESS: 129 Homer Ln - Mooresville PHONE: 704-483-9947 ALT. PHONE:

SITE DIRECTIONS: Hwy 150 W, TR on Perth, TR on Cornelius, TR on Homer Ln, 5th Lot on L

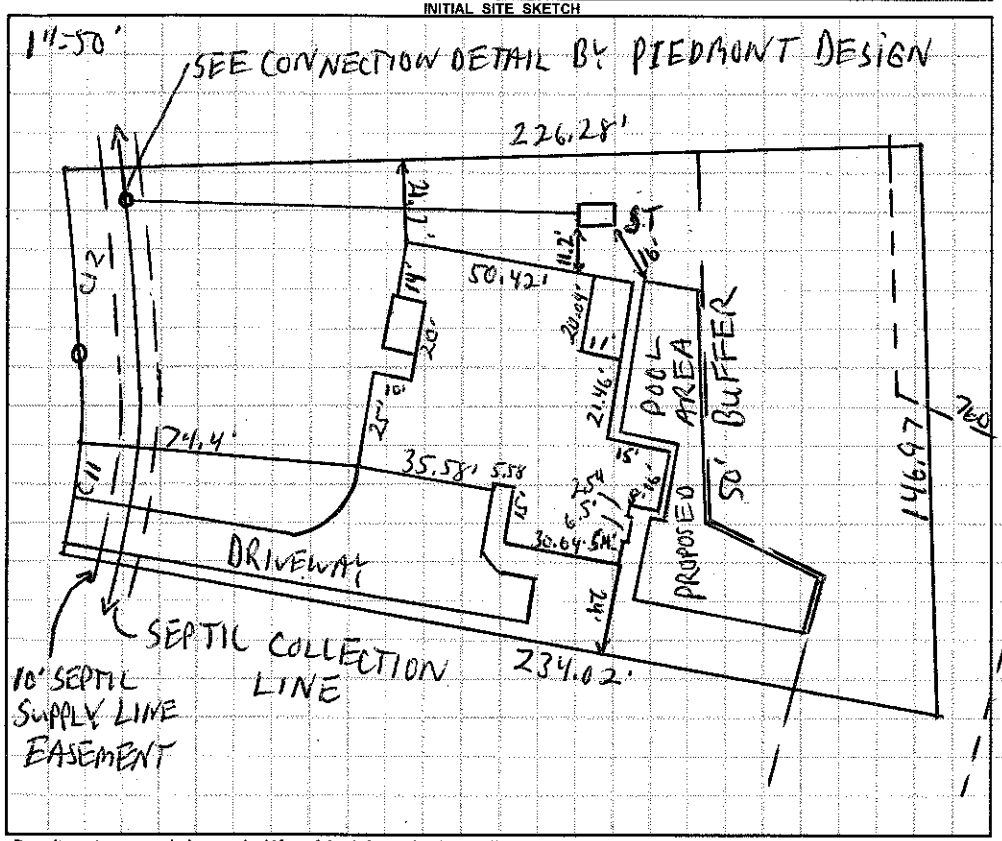
SUBDIVISION: Sisters Cove SECTION: 2 LOT # 39 LOT AREA: 0.638 ac DESIGN FLOW: 480gpd L.T.A.R.:

Septic Tank	2000 (gal)	STB	74	Date	3-28-16	☑ New System ☐ Repair ☐ Expansion	System Type: I II III IV ☑ V	☑ Residence	No. Bedrooms	4	Water Supply
Pump Tank	(gal)	PT		Date		System Description:	Community TS-11 Drip Irr.	☐ Business	No. Persons	8	☐ Private
Pump Make		Model		Serial #		Repair System Description:	Community TS-11 Drip Irr.	☐ Other	No. Employees		☐ Public
# Nitrification Fields	4	# Lines		Linear Ft:		Maintenance Agreement Required:	☑ YES ☐ NO	☐ Slab	☑ Crawl Space		☑ Community
Trench Width		Max. Trench Bottom Depth		Gravel Depth			☐ GRAVITY ☑ PRESSURE	☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: INSTALL PUMP PACKAGE, CONTROL PANEL AND CONNECT TO COLLECTION LINE AS SPECIFIED BY PIEDMONT DESIGN

3 3/8" 5-31-16
3 1/4" 6-1-16

INITIAL SITE SKETCH



AS BUILT SKETCH

Checked Tanks 5-31-16 BA
Measured Water Level

Off-site System

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**

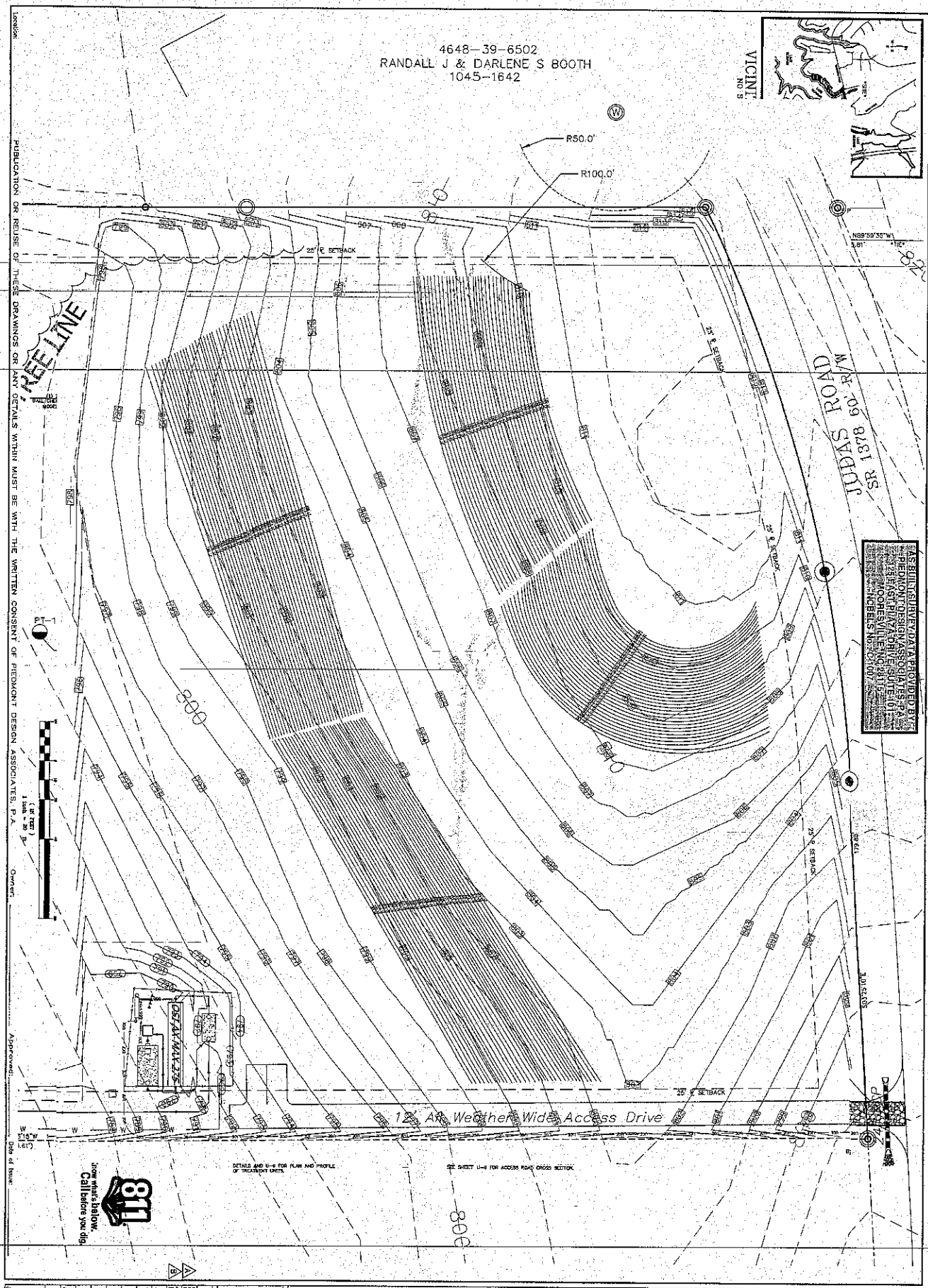
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☐ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Heather A. Austin Date: 8-26-15 Installed by: R&H

IMPROVEMENT PERMIT by: Date: OPERATION PERMIT by: BA Date: 7-22-16

AUTHORIZATION TO CONSTRUCT by: Date: 8-25-15 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK



REVISIONS	BY

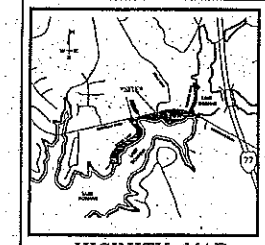
SUBSURFACE DRIP SEPTIC SYSTEM PLAN
SISTERS COVE PHASE II
CORNELIUS ROAD
MOORESVILLE, IREDELL Co., NORTH CAROLINA

PREPARED FOR:
HINKLEY GAUVAIN
PO BOX 3965
MOORESVILLE, NC 28117
704-202-1524

PIEDMONT DESIGN
ENGINEERING / SURVEYING / PLANNING
Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone:(704) 664-7858 Fax:(704) 664-7778 www.pdapa.com
NCBELS License # C-1607

Date: 12/2/14
Scale: 1"=20' R
Drawn: DMJ
Checked: DMJ
Proj#: 2014-10-09
Sheet U-2
04/08/16
10 Sheets

SISTERS COVE PHASE II
SEPTIC SYSTEM



VICINITY MAP
NO SCALE

SHEET INDEX

U-1	Overall Septic System Site Plan
U-2	Drainfield Area Plan
U-3	Treatment Area Plan
U-4	STEP Forcemain Line A Plan/Profile Sta: 10+00 to 25+00
U-5	STEP Forcemain Line A Plan/Profile Sta: 25+00 to 40+00
U-6	STEP Forcemain Line A Plan/Profile Sta: 40+00 to 50+75.52
U-7	STEP Forcemain Line B Plan/Profile Sta: 10+00 to 14+44.80
U-8	STEP System Details
U-9	Treatment System Plan/Profile
U-10	Drip Field Details

PREPARED FOR:
OWNER/DEVELOPER:
HINKLEY GAUVAIN
P.O. BOX 3965
MOORESVILLE, NC 28117
(704) 202-1524

PREPARED by:
ENGINEER:
PIEDMONT DESIGN ASSOCIATES, P.A.
ENGINEERING/SURVEYING/PLANNING
SUITE 101, WESTFIELD CENTER
125 EAST PLAZA DRIVE
MOORESVILLE, NORTH CAROLINA 28115
(704) 664-7888 | dmunday@pdapa.com

SOIL SCIENTIST:
S&ME, INC.
3718 OLD BATTLEGROUND RD,
GREENSBORO, NC 27410
(336) 288-7180 | ppenninger@smeinc.com

SURVEYORS:
KESTLER LAND SURVEYING, INC.
2351 SIMONTON ROAD
STATESVILLE, NORTH CAROLINA 28625
(704) 872-0212 | gerald@gvgrant.com

AS BUILT SURVEY DATA PROVIDED BY:
PIEDMONT DESIGN ASSOCIATES, P.A.
125 EAST PLAZA DRIVE, SUITE 101
MOORESVILLE, NC 28115
NCBELS No.: C-1007

811
Know what's below.
Call before you dig.

LAKE NORMAN

GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.

SISTERS COVE PHASE II DESIGN DATA		
Proposed No. of Lots:	15	Total
Overall Daily Design Flow:	9,720	Gallons per Day
STEP Tank Size:	2,000	Gallons (all Lots)
Collection Main Size:	2	Inch SCH40 PVC
Collection Main Length:	±4,790	LF
Trash Tank Size:	3,000	Gallons (with Baffle)
Advanced Treatment:	1 - Orenco AX-MAX275 Treatment Module	
Disinfection:	None - TS-I Treatment	
Field Dosing Tank Size:	10,000	Gallons
Effluent Disposal:	Subsurface Drip Irrigation	
Loading Rate:	0.20	Gals./Day/Sq. Ft.
Drip Line Required:	24,300	LF Tubing
Depth of Dripline Installation:	36	Inches BGS (After Cut of Drip Field)
Separation Between Dripline:	2	Ft. Centers (Minimum)
Number of Zones:	4	Total
Length of Tubing per Zone:	6,075	LF (Average)

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.

Owner: _____ Approved: _____ Date of Issue: _____

SISTERS COVE PHASE II SEPTIC SYSTEM