IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 212915

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

PIN # 4648-37-0886

APPLICANT: Nest Homes LLC APPLICANT ADDRESS: PO Box 3965 Mooresville NC 28117

SITE ADDRESS: 113 Homer Ln - Mooresville PHONE: 704-433-9947 ALT. PHONE:

SITE DIRECTIONS: I-50 W, TR Perth Rd, TR Cornelius Rd, TR on Homer, 2nd lot on L

SUBDIVISION: Sisters Cove SECTION: 2 LOT # 36 LOT AREA: 0.626 ac DESIGN FLOW: 480 gpd T.A.R.:

Septic Tank 2000 (gal) STB 74 Date 12-28-15 ☑ New System ☐ Repair ☐ Expansion System Type: I II III IV ☑ V VI

Pump Tank (gal) PT Date System Description: Community TS-II Drip Irr.

Pump Make Model Serial # Repair System Description: Community TS-II Drip Irr.

Nitrification Fields 4 # Lines Linear Ft: Maintenance Agreement Required: ☑ YES ☐ NO

Trench Width Max. Trench Bottom Depth Gravel Depth ☐ GRAVITY ☑ PRESSURE

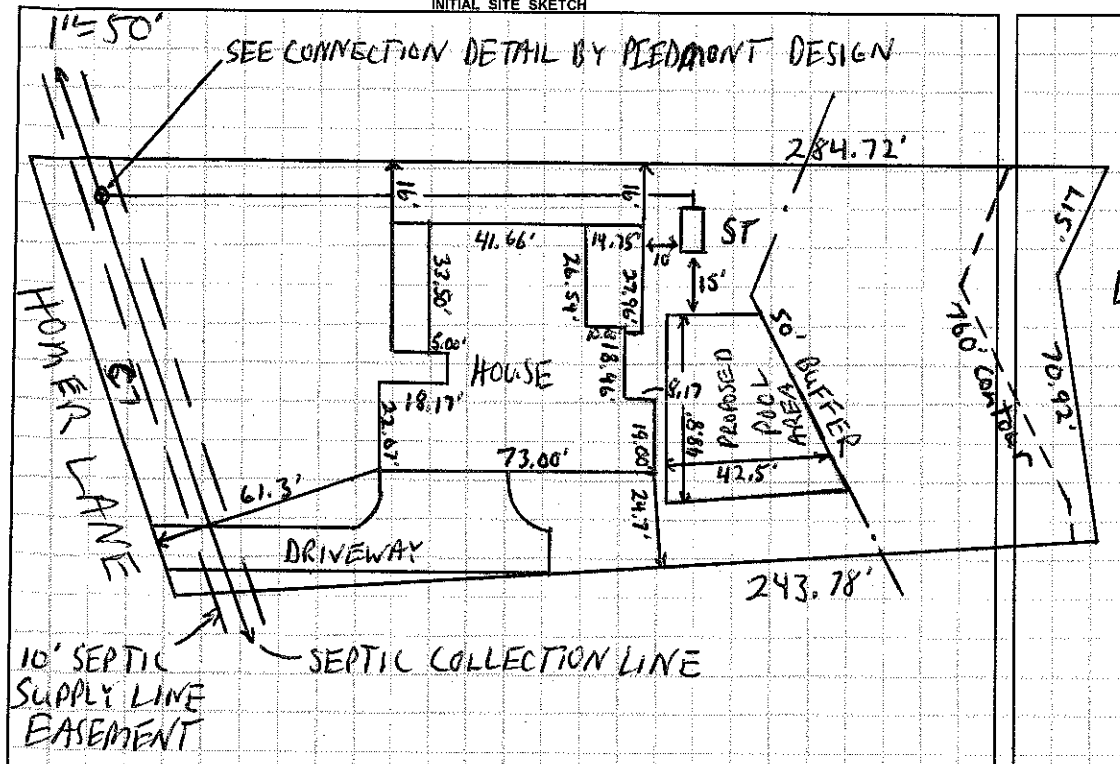
☑ Residence No. Bedrooms 4 ☐ Business No. Persons 8 ☐ Other No. Employees ☑ Crawl Space ☐ Slab ☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☑ Community

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

3/10/16 Checked tank

INITIAL SITE SKETCH



AS BUILT SKETCH

	Date	Initials
Drain Lines Checked		
Tanks Checked	3/10/16	MD
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked	5-31	BA
Floats Set	5-31	BA
Alarm Checked	5-31	BA
* Maintenance Contract Y / N		

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.*

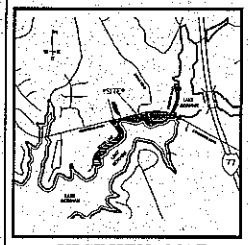
Owner / Applicant Signature: Heather S Arbin Date: 8.26.15 Installed by: R&H

IMPROVEMENT PERMIT by: Date: OPERATION PERMIT by: Date: APPROVED MAY 31 2016

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

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, PA
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.

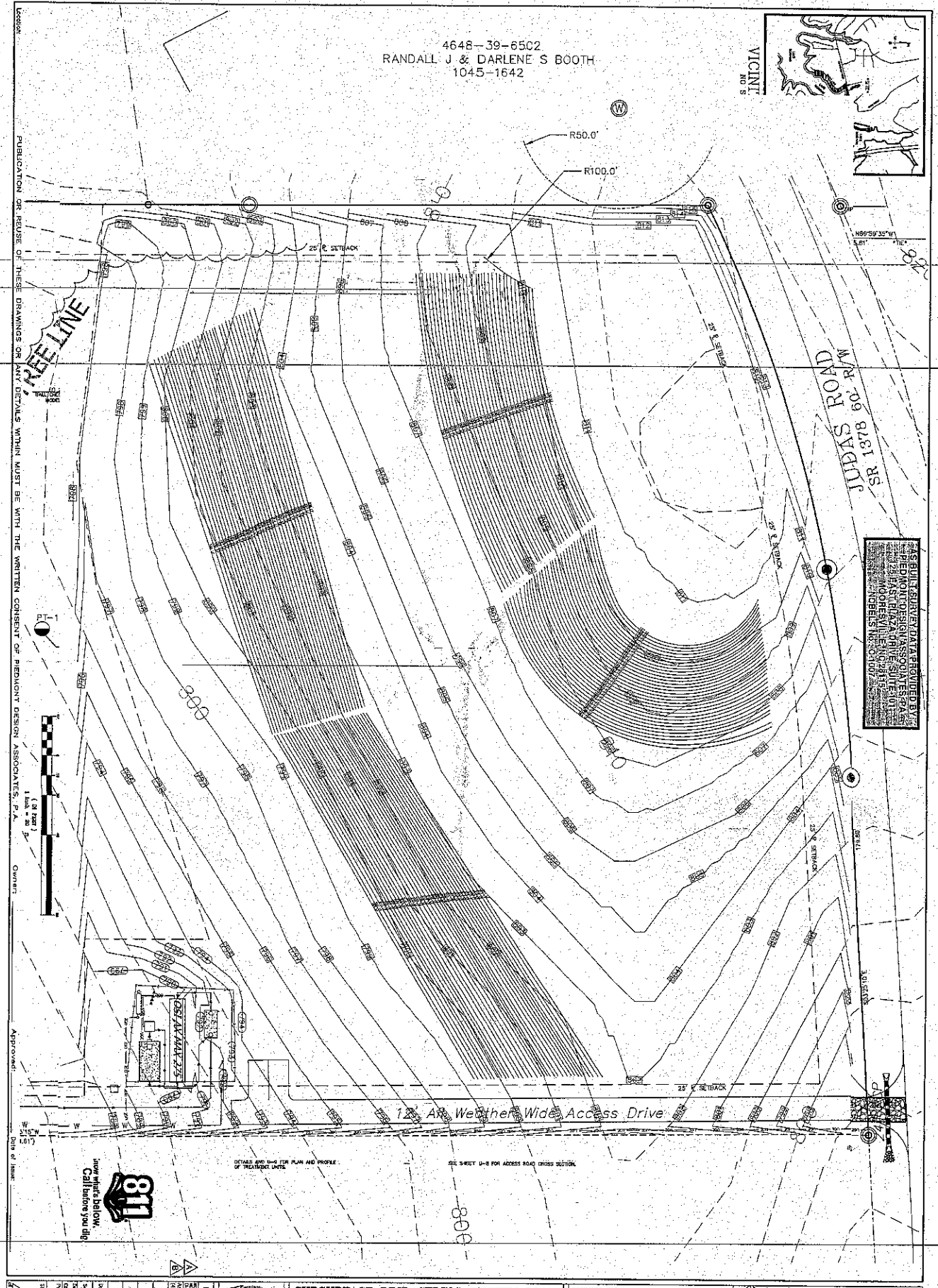
SISTERS COVE PHASE II DESIGN DATA

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 SCH 40 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 - TB-1 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



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

Location:

Owner:

Approved:

Date of Issue:

REVISIONS	BY	DATE
ADDED NOTE TO SHEET U-2	DAD	04/05/16

Sheet U-2 of 10 Sheets

Drawn: DAD
Checked: DAD
Scale: 1" = 30'
Date: 12/7/15

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

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Mooresville, North Carolina 28115
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