IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625

ST 10-10:30

PERMIT # 218325

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

✓ PIN # 4648-37-1737

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

SITE ADDRESS: 119 Homer Ln. - Mooresville | PHONE: 704-433-9947 | ALT. PHONE:

SITE DIRECTIONS: Hwy 115 N., TL on Connector, Continue on Cornelius, Cross I77, TL on Homer, Left on L

SUBDIVISION: Sisters Cove | SECTION: 2 | LOT # 37 | LOT AREA: 0.582 ac | DESIGN FLOW: 480 gpd | L.T.A.R.:

Septic Tank 2000 (gal) | STB 79 | Date 6/8/16

Pump Tank (gal) | PT | Date

Pump Make | Model | Serial #

Nitrification Fields 1 | # Lines | Linear Ft:

Trench Width | Max. Trench Bottom Depth | Gravel Depth

☑ New System ☐ Repair ☐ Expansion System Type: I II III IV (V) VI

System Description: Community, TS-II Drip Irr.

Repair System Description: Community, TS-II Drip Irr.

Maintenance Agreement Required: ☐ YES ☐ NO

☐ GRAVITY ☐ PRESSURE

☑ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

No. Bedrooms 4 | No. Persons 8 | No. Employees | ☑ Crawl Space

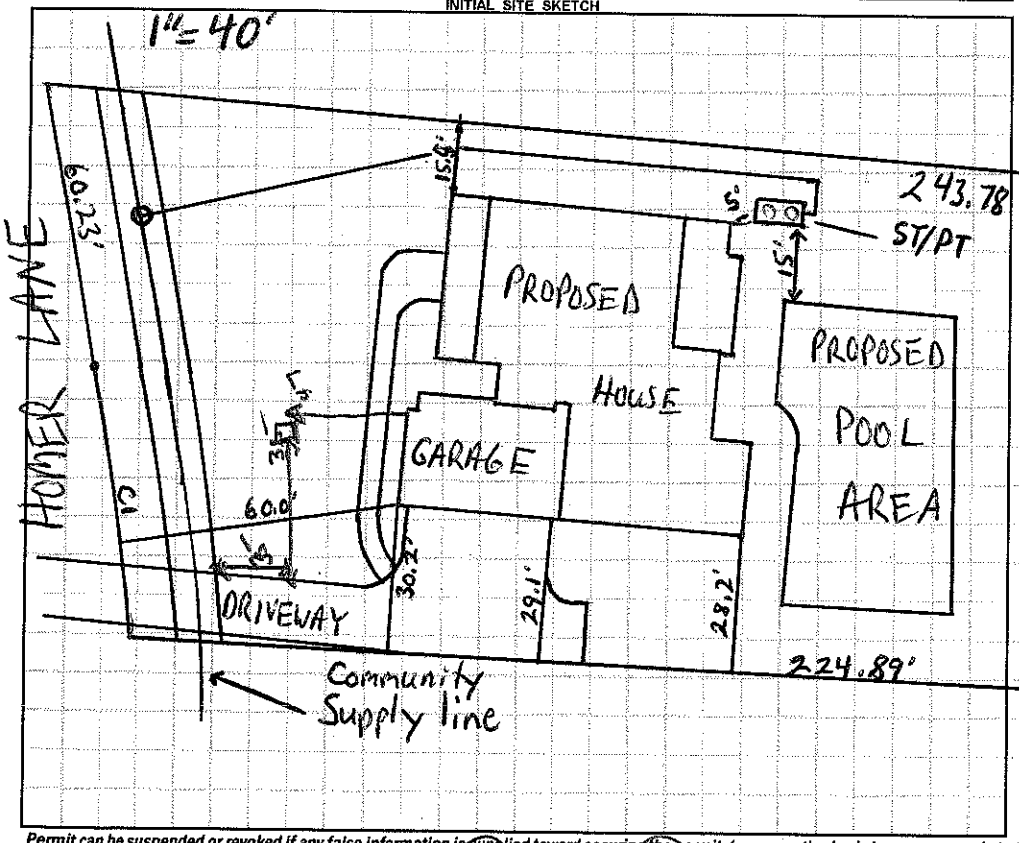
☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☑ Community

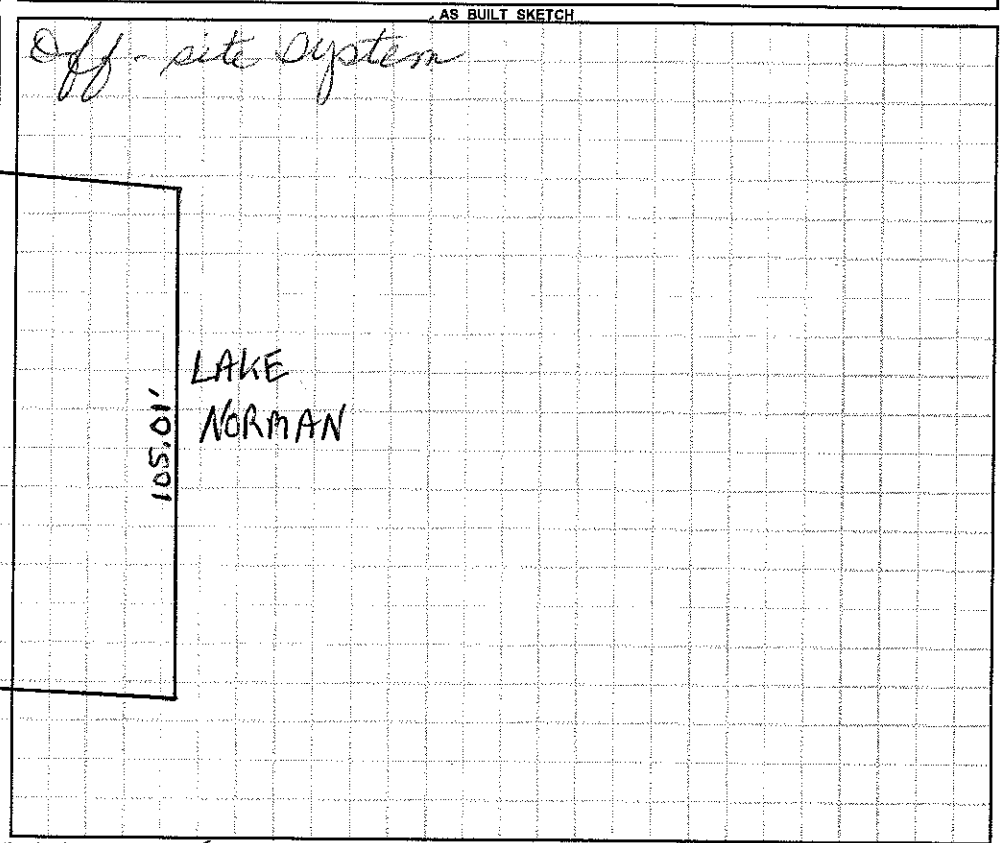
Comments / Conditions: * Install pump package, control panel and connect to collection sewer line as specified by Piedmont Design.

ST checked 10/11/16 by WS

INITIAL SITE SKETCH



AS BUILT SKETCH



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**

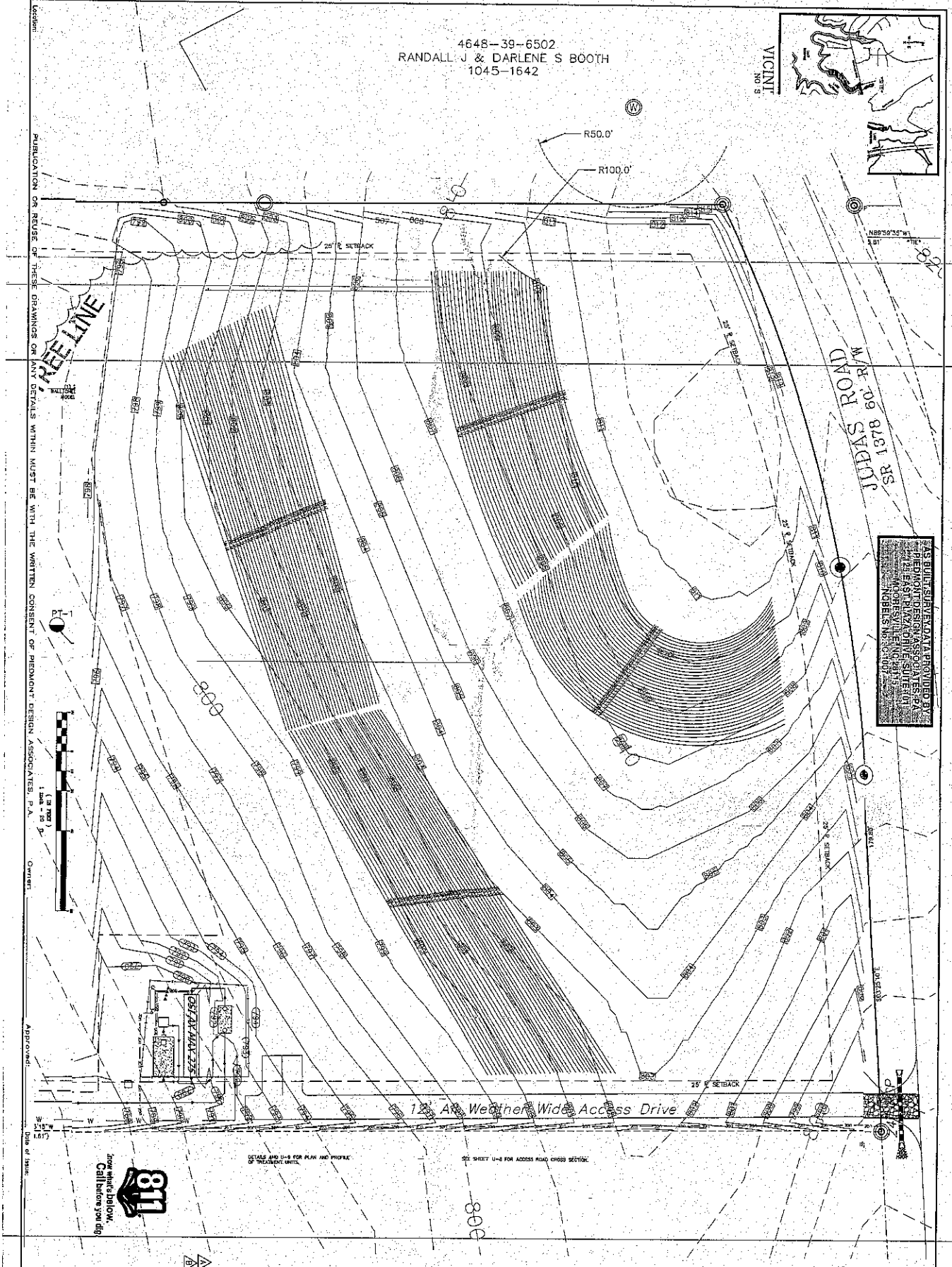
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☐ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 5/3/16 Installed by: B+H

IMPROVEMENT PERMIT by: Date: OPERATION PERMIT by: Maria Dotson, RS Date: 12/20/16

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 5-2-16 Existing System Inspected by: Date:

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



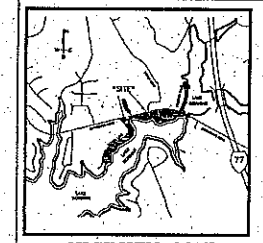
Sheet U-2 of 10 Sheets	04/08/16	Date: 12/2/14	Scale: 1"=50' Ft.	Designed: DLM	Drawn: DLM	Checked: DLM	Project: 2014-12-07	File: 2014-12-07	REVISIONS	BY	DWG

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) 664-7888 Fax:(704) 664-7778 www.pdapa.com
NOBELS License #: C-1607

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) 288-7160 | ppennington@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:	18	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:	±4,799	LF
Trash Tank Size:	3,000	Gallons (with Baffle)
Advanced Treatment:	1 - Orenco AX-MAX275 Treatment Module	
Disinfection:	None - ISA 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