IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 224761

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

PIN # 4648-26-2383

APPLICANT: LISA SUAREZ APPLICANT ADDRESS: 865 FAMILY DR. MIDLAND NC

SITE ADDRESS: 203 HOMER LN. MOORESVILLE, NC PHONE: 704-507-0 ALT. PHONE:

SITE DIRECTIONS: CORNELIUS, TL HOMER, ON L

SUBDIVISION: SISTERS COVE SECTION: 2 LOT # 50 LOT AREA: .938 AC DESIGN FLOW: 480 L.T.A.R.: —

Septic Tank 2000 (gal) STB Date
Pump Tank (gal) PT Date
Pump Make Model Serial #
Nitrification Fields # 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 ISII DRIP
Repair System Description: SAME
Maintenance Agreement Required: ☒ YES ☐ NO ☐ GRAVITY ☒ PRESSURE

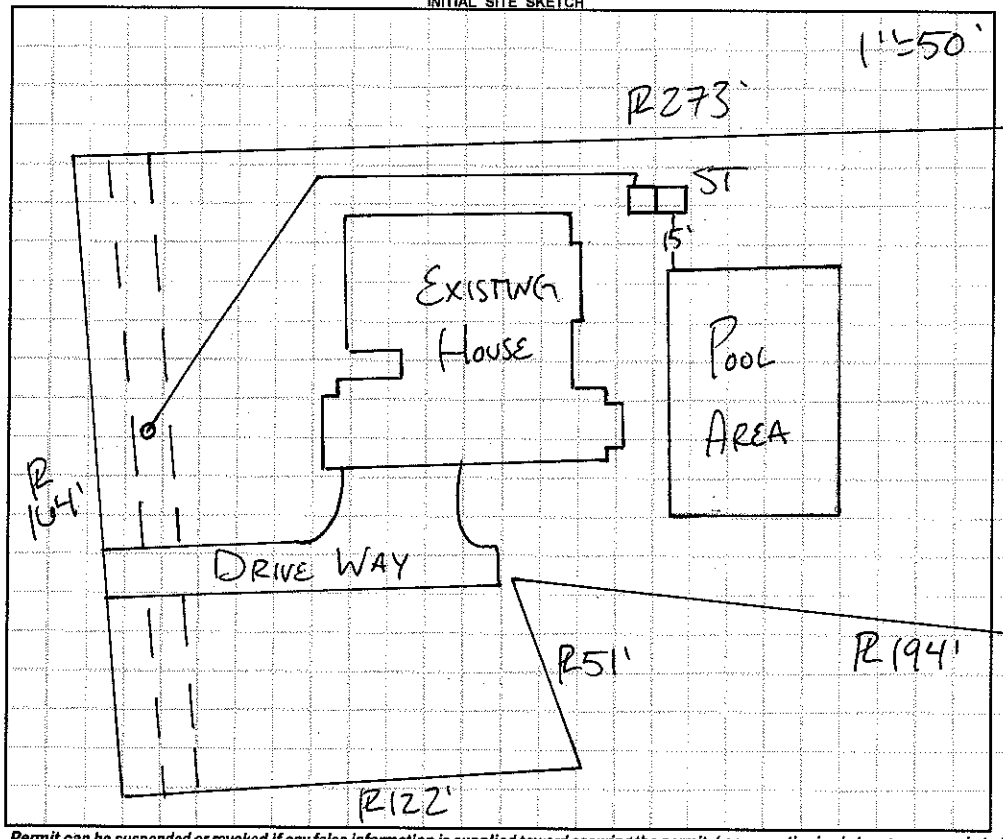
☐ Residence ☐ Business ☒ Other ☐ Slab ☐ Basement w/plumbing
No. Bedrooms 4 No. Persons 8 No. Employees
☒ Crawl Space ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☒ Community

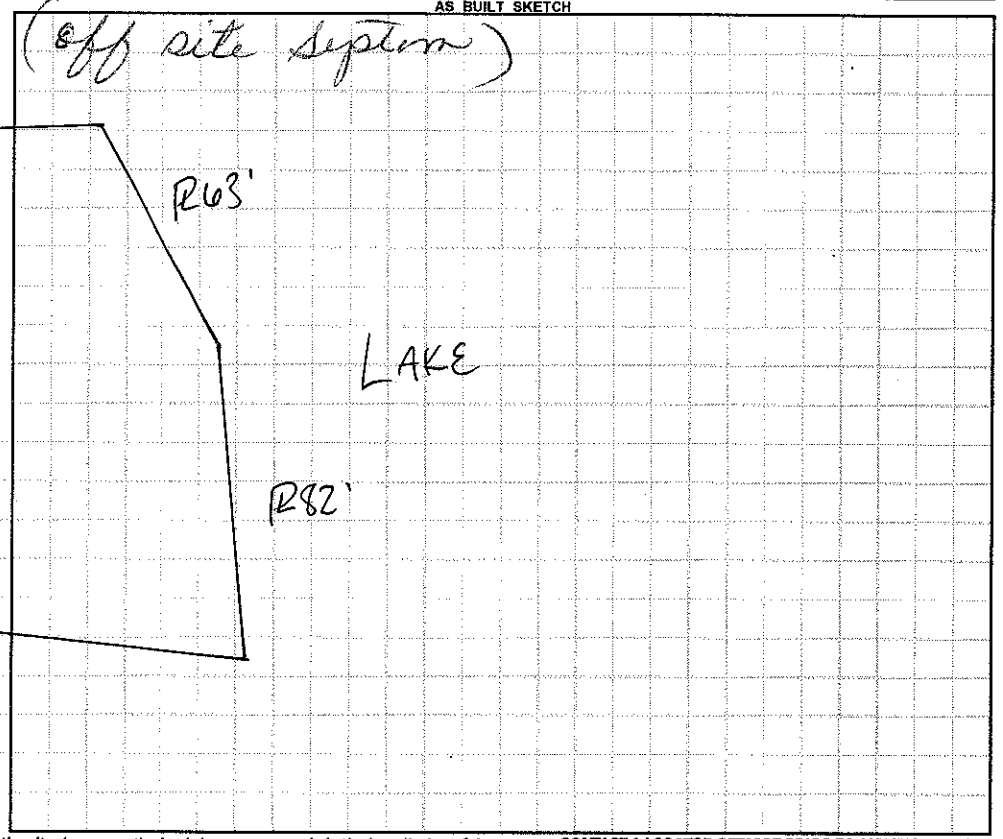
Comments / Conditions: KEEP WATERS EDGE OF POOL 15' FROM TANK. KEEP ANY DECKING 5' FROM TANK

POOL

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**

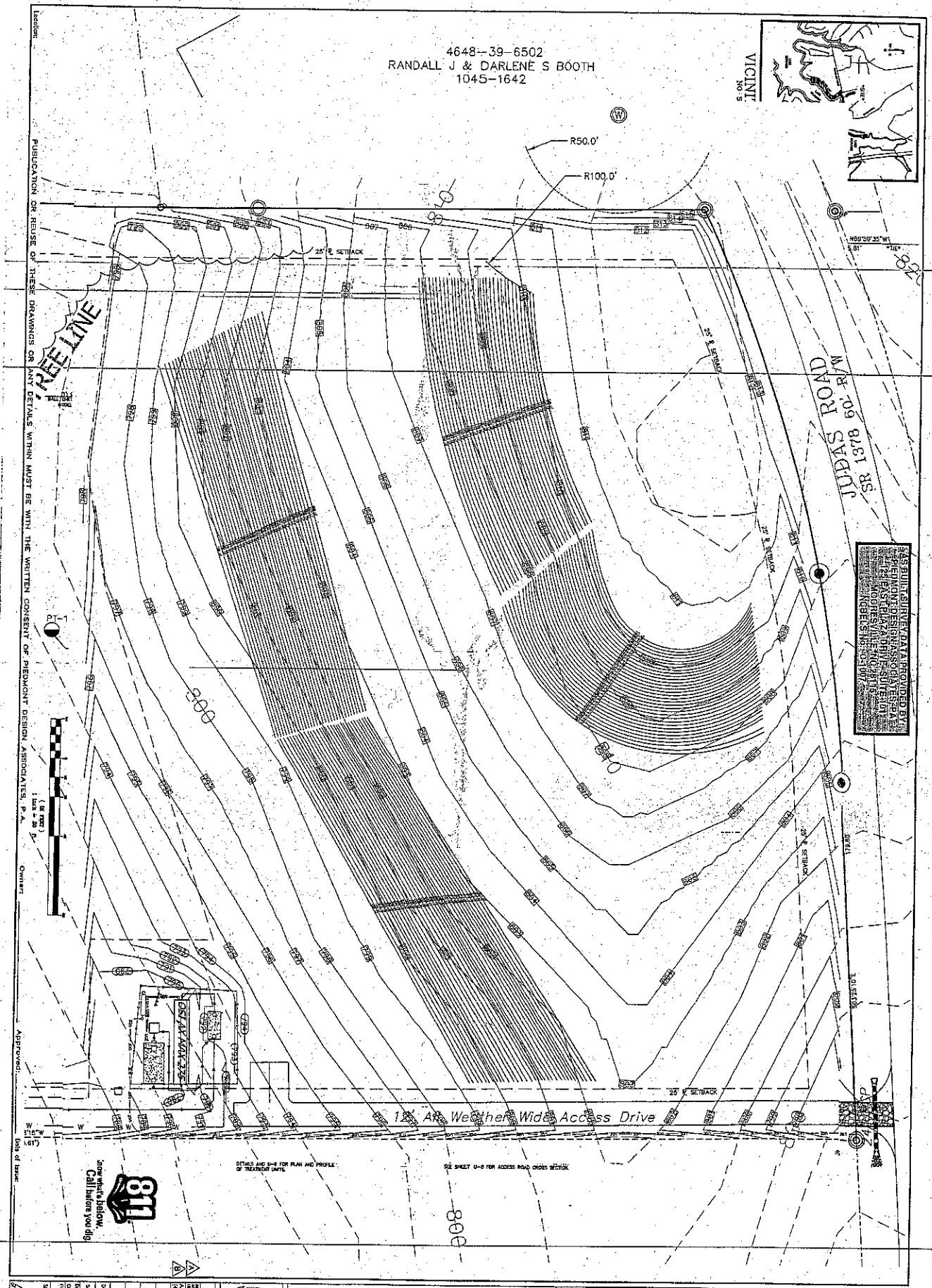
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☐ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 2/22/17 Installed by:

IMPROVEMENT PERMIT by: Date: OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: Existing System Inspected by: [signature] Date: 2-17-17

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



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

REVISIONS	BY
DMD	

Date: 12/2/14
Scale: 1" = 50' H
Designed: DMD
Drawn: DLM
Checked: DMD
Date: 2011-10-07
Sheet: U-2
Of: 10 Sheets

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) 664-7779 www.pdapa.com
NCBELS License #: C-1007

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) 664-7868 | dmunday@pdapa.com

SOIL SCIENTIST:
S&ME, INC.
3718 OLD BATTLEGROUND RD.
GREENSBORO, NC 27410
(336) 288-7160 | 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:	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:	±4,790	LF
Trash Tank Size:	3,000	Gallons (with Baffle)
Advanced Treatment:	1 - Orenco AX-MAX-575 Treatment Module	
Disinfection:	None - TS-4 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)

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Owner: _____ Approved: _____ Date of Issue: _____

SISTERS COVE PHASE II SEPTIC SYSTEM