Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: —
Property ID: 4648574245
Lot #: 10 + 57
File #: —
AppID: —

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Hinchley Galvagn
Address: PO Box 3965 Mooresville NC 28117
Proposed Facility: Res Design Flow (.1949) 480
Location of Site: Sister Cove Lot 57

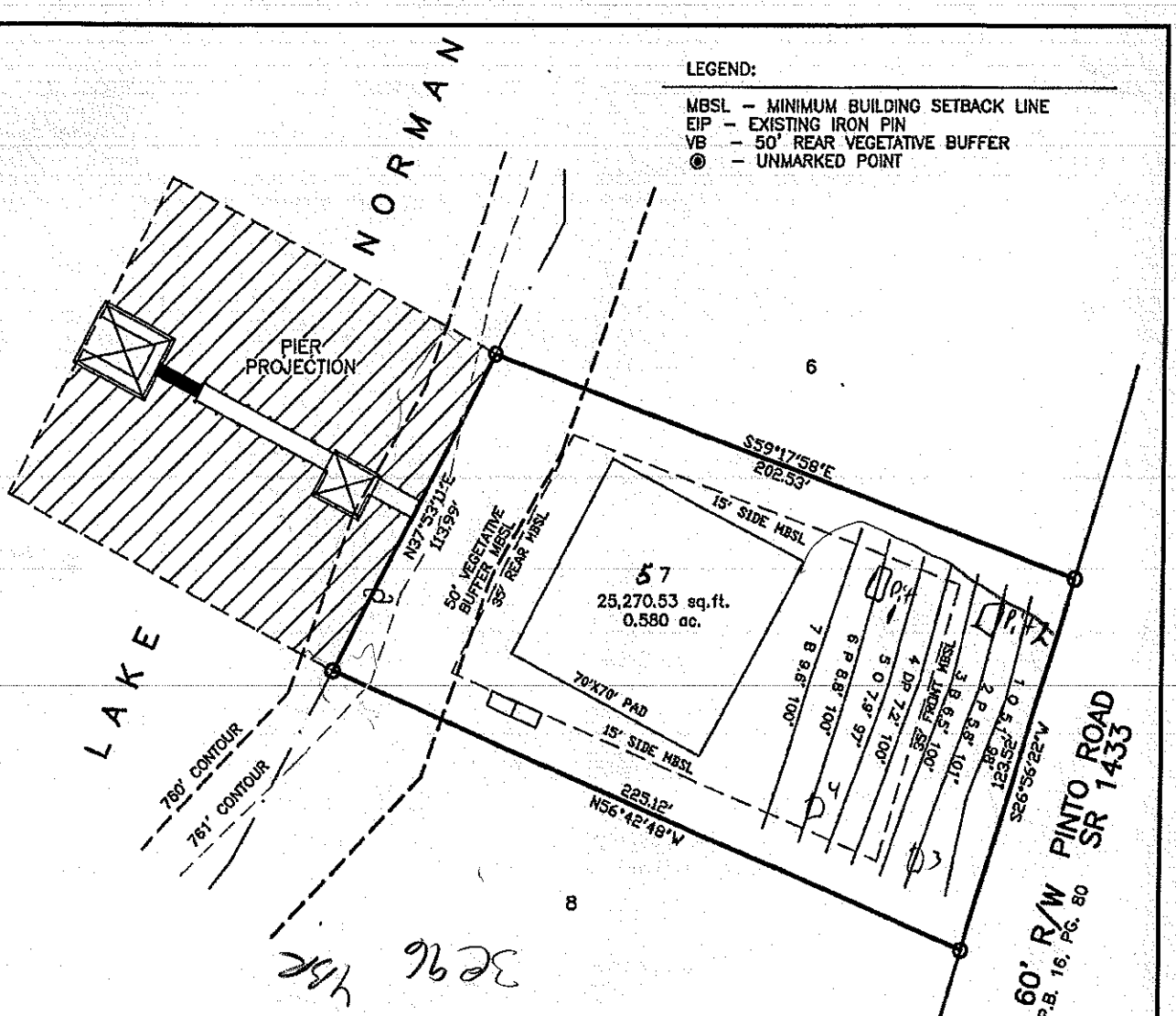
Applicant:
Date Evaluated: 9-23-13
Property Size: .5
Property Recorded: Y

Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LSS 10%	0-4	Fill						.375
		4-22	BSC WSM	fri SSSP SesP	Many. incl.				
		22-42	RC, SM/MM	fri SSSP SesP					
		42-60	RCC WSM	fi SSSP SesP					
2	LSS 8%	0-8	B CR WFSBK	Fr SS SP SES					PS .275
		8-42	R C WFSBK	Fr SS SP SES	Com Mn	56"	—	—	
		42-56	R C WFSBK	Fr SS SP SES					
3	LSS 7% In old Driveway	0-8	Compacted						PS .275
		8-22	DR C MFABK/SBK	Fr SS SP SES	Com Mn	55"	—	—	
		22-48	R C WFSBK	Fr SS SP SES					
		48-55	R CL WFSBK	Fr SS SP SES	Com Sap				
4	LSS 8%	0-5	Compacted						PS .275
		5-29	R C MFSBK	Fr SS SP SES		56"	—	—	
		29-42	R C WFSBK	Fr SS SP SES	Com Mn				
		42-56	R C WFSBK	Fr SS SP SES					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	LPP&BBS	LPP&PS
Site LTAR	.275	.275

Other Factors (.1946):
Soil Evaluation By: PRNETT
Others Present: Penninger
Site Classification (.1948): PS
Site Evaluation By: Freeman
Others Present: Penninger



MINIMUM BUILDING SETBACK LINES:

FRONT----------35 FEET
SIDELINE----------15 FEET
SIDELINE ABUTTING STREET-------25 FEET
REAR----------35 FEET FROM PROJECT BOUNDARY OR
50' FROM 760' CONTOUR LINE

PIER PROJECTION MAP FOR

~~MAGNOLIA BAY EAST~~ Sisters Cove 57

DAVIDSON TOWNSHIP	IREDELL COUNTY	NORTH CAROLINA
PIN NO: 4648-57-4245	SCALE: 1"=50'	DRAWN BY: SMS
DEED REF.: 1876-2391	DATE: 09-20-07	DRAWING NO: K02307-PIER7

KESTLER SURVEYING, INC.
P.O. BOX 1793, STATESVILLE, N.C. 28687 PH. 704 - 872 - 0212

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

Not to scale anymore

ICHD

Penninger Soil Consulting, PLLC
Ph: 704-996-6330 Email: pgpenninger@gmail.com

August 14, 2015

Nest Homes, LLC
PO Box 3965
Mooresville, North Carolina 28117

Attention: Mr. Michael Wetter, Project Manger

Reference: **Technical Assistance with Fast Track Septic Permitting**
ICHD Existing System Inspection and Proposed Pool Approval
138 Twin Sisters Lane
Sisters Cove Lot 57
Iredell County, North Carolina
Project No. 15-114C

Dear Mr. Wetter:

Penninger Soil Consulting, PLLC has provided technical assistance to obtain approval for a proposed pool area and a four bedroom septic Existing System Inspection from the Iredell County Health Department (ICHD) for the referenced lot. The technical assistance was performed in general accordance with our written proposal and letter of authorization 15-12 dated June 30, 2015.

The site has a new home and 4-bedroom low pressure T&J Panel septic system that was recently installed and approved by the ICHD. It is our understanding you want to construct the proposed pool shown on the attached site plan before the buyer moves into the home. You requested that Penninger Soil Consulting, PLLC assist you with an ICHD Fast Track existing system inspection so you can obtain a permit for the proposed pool. Nest Homes provided the site plan with the existing home and proposed pool location.

Mr. Paul Penninger visited the lot on August 10, 2015 to locate the existing septic and pump tank and flag the existing T&J Panel drainfield as approximately shown on the attached site plan. Mr. Tim Carr with Nest Homes and Mr. Brad Russell, the septic installer, both indicated the septic supply line runs from the pump tank under the existing concrete drive to the valve box shown on the site plan.

The proposed pool does not encroach on any setback associated with the existing tanks, drainfield, or the permitted repair area. The site field flagging and the attached site plan / ICHD Improvement Permit show the proposed pool can be constructed to maintain the 15 foot setback to the tanks, existing system and the permitted repair area. The decking of the pool can be placed closer than 15 feet to the existing tanks. Before construction, you should verify the pool meets all zoning setback requirements.

The attached information is not an Improvement Permit or Authorization to Construct, and is only to assist you with the ICHD Fast Track existing system inspection and proposed pool site evaluation. The ICHD must approve each lot and only the ICHD can issue these permits. The ICHD should verify all soils and system specifications and required setbacks before permitting and/or septic system installation. System layouts are done based on interpretations of the rules governing wastewater treatment and disposal systems and are not guarantees for site approval or future septic system performance. No soil evaluation was performed for this permit submittal and no evaluation of the existing system performance was performed.

If you have any questions or require additional information please contact us at your convenience.

Sincerely,

Penninger Soil Consulting, PLLC



Paul G. Penninger, L.S.S.
Soil Scientist

Attachments:

1. ICHD Existing System Permit Application and Zoning Permit
2. Site Plan and 2013 ICHD Improvement Permit

C:\Users\Paul G. Penninger\Documents\2015 Projects\15-114 Nest Homes\15-114C Sisters Cove Lot 59 and 60\15-114C Lot 57 Sisters Cove Pool Approval Fast Track Summary Letter.doc

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Eric Wood, am the legal owner(s) of the property located at 138 Twin Sister's Ln., identified as PIN (Parcel Identification Number) 4648574245.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Wetter / Paul Pennington, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Signature of Owner(s)	Date	Signature of Witness	Date
Eric Wood	7/30/15	J Michael Wetter	7/30/15

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT

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

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

PERMIT # 180590

PIN # 4648574245

APPLICANT: HINCHLEY CALVIN

APPLICANT ADDRESS: 138 PINTO RD MOORESVILLE NC 28117

SITE ADDRESS: 138 PINTO RD MOORESVILLE NC 28117

PHONE: 704 237-4882 ALT. PHONE: 704 202 1527

SITE DIRECTIONS: 21N - TL COLNEYS RD - TR PINTO - ON RT

SUBDIVISION: ~~ARAUNA~~ BAY SISTER'S COVE SECTION: LOT # 57 LOT AREA: 1.5± DESIGN FLOW: 360 L.T.A.R.: 225

Septic Tank 1000 (gal) STB Date

Pump Tank 1000 (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 3 @ 97' Linear Ft: 291

Trench Width 24" Max. Trench Bottom Depth 36" Gravel Depth N/A

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

System Description: LPP ABBPS

Repair System Description: LPP ABBPS

Maintenance Agreement Required: ☐ YES ☐ NO

☐ GRAVITY ☑ PRESSURE

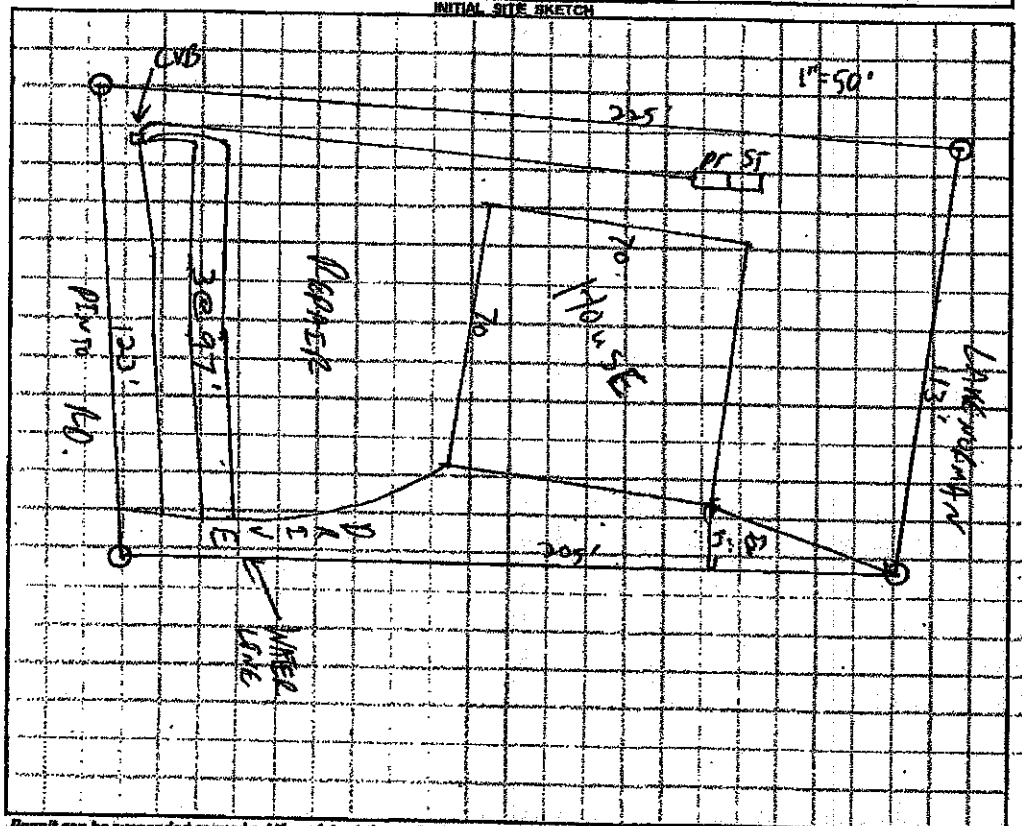
☑ Residence ☐ Business ☐ Other ☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement w/o plumbing

No. Bedrooms 4 No. Persons 8 No. Employees

Water Supply: ☐ Private ☐ Public ☑ Community

Comments / Conditions: IF OLD SEPTIC SYSTEM IS EXCAVATED DURING ~~EXCAVATION~~ INSTALLATION PERMIT MAY BE REVOKED.

INITIAL SITE SKETCH



AS BUILT SKETCH

---IMPROVEMENT PERMIT ONLY---

DO NOT ISSUE BUILDING PERMIT!

FLOOR PLAN STILL NEEDED!

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

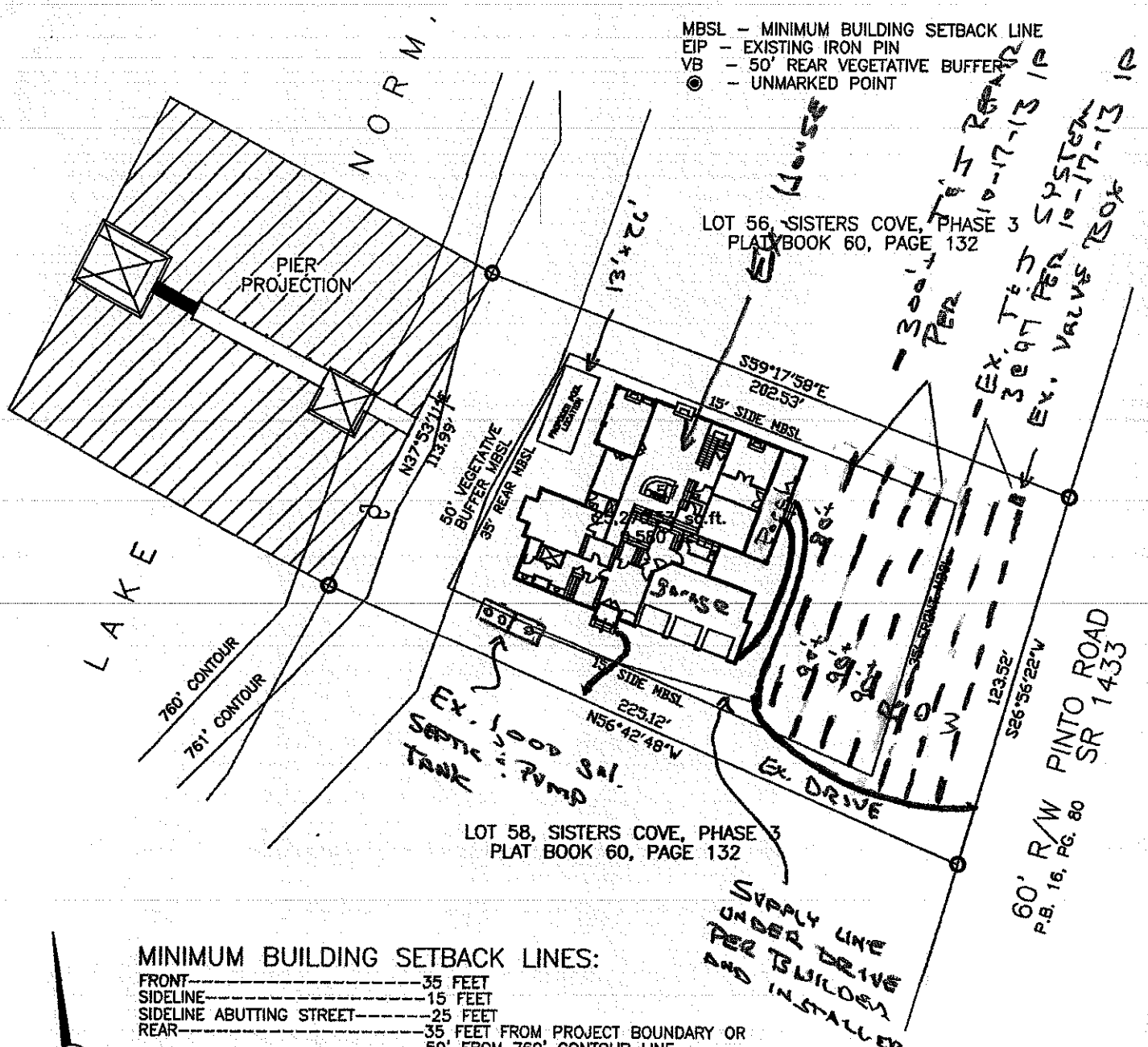
☐ IMPROVEMENT PERMIT *with plat valid without expiration.* ☐ IMPROVEMENT PERMIT *with site plan valid for 60 mos.* ☐ AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 10/15/13 Installed by:

IMPROVEMENT PERMIT by: C. Hinchley REHS Date: 10/7/13 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: Existing System Inspected by: Date:

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



MINIMUM BUILDING SETBACK LINES:

FRONT----------35 FEET
SIDELINE----------15 FEET
SIDELINE ABUTTING STREET-------25 FEET
REAR----------35 FEET FROM PROJECT BOUNDARY OR 50' FROM 760' CONTOUR LINE

*SITE PLAN PROVIDED BY NEST HOMES

PIER PROJECTION MAP FOR

SISTERS COVE PHASE 3

DAVIDSON TOWNSHIP	IREDELL COUNTY	NORTH CAROLINA
PIN NO: 4648-57-4245	SCALE: 1"=50'	DRAWN BY: SMS
DEED REF.: 2174-1392	DATE: 08-19-13	DRAWING NO: K02307-PIER57

KESTLER SURVEYING, INC.
2351 SIMONTON ROAD, STATESVILLE, N.C. 28625 PH. 704 - 872 - 0212

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

*SITE PLAN MUST ACCOMPANY PENNINGER SOIL CONSULTING WRITTEN REPORT 8-14-15