IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 21787B

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

PIN # 4648262383

APPLICANT: Nest Homes LLC APPLICANT ADDRESS: P.O. Box 3965 Mooresville NC 28117

SITE ADDRESS: 203 Homer Ln Mooresville, NC 28117 PHONE: 704433-9947 ALT. PHONE:

SITE DIRECTIONS: Hwy 21 TL Cornelius TL Bluefield Rd Homer Ln 2nd

SUBDIVISION: Sisters Cove SECTION: II LOT # 50 LOT AREA: .94 Acre DESIGN FLOW: 480gpd L.T.A.R.:

Septic Tank 2000 (gal) STB 94 Date 4-12-16 [X] New System [ ] Repair [ ] Expansion System Type: I II III IV (V) VI

Pump Tank (gal) PT Date System Description: Community TS II Drip Irrigation

Pump Make Model Serial # Repair System Description Community TS II Drip Irrigation

Nitrification Fields 1 # Lines Linear Ft: Maintenance Agreement Required: [X] YES [ ] NO

Trench Width Max. Trench Bottom Depth Gravel Depth [ ] GRAVITY [X] PRESSURE

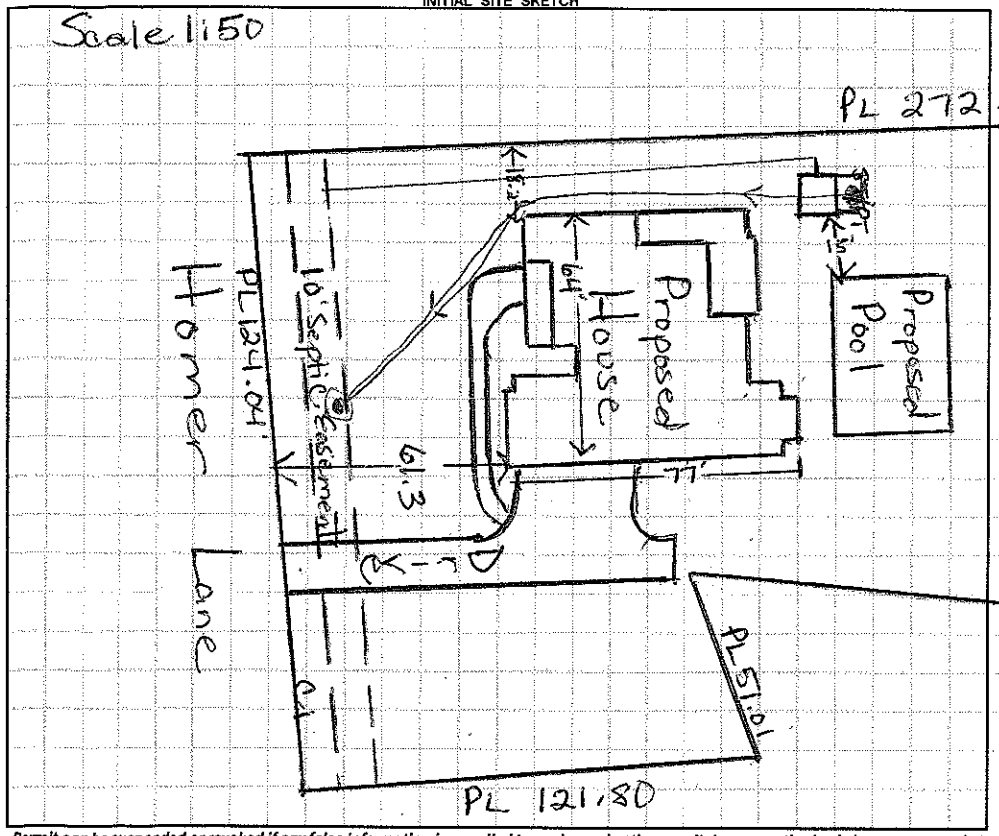
[X] Residence No. Bedrooms 4 [ ] Business No. Persons 8 [ ] Other No. Employees [ ] Slab [X] Crawl Space [ ] Basement w/plumbing [ ] Basement w/o plumbing

Water Supply: [ ] Private [ ] Public [X] Community

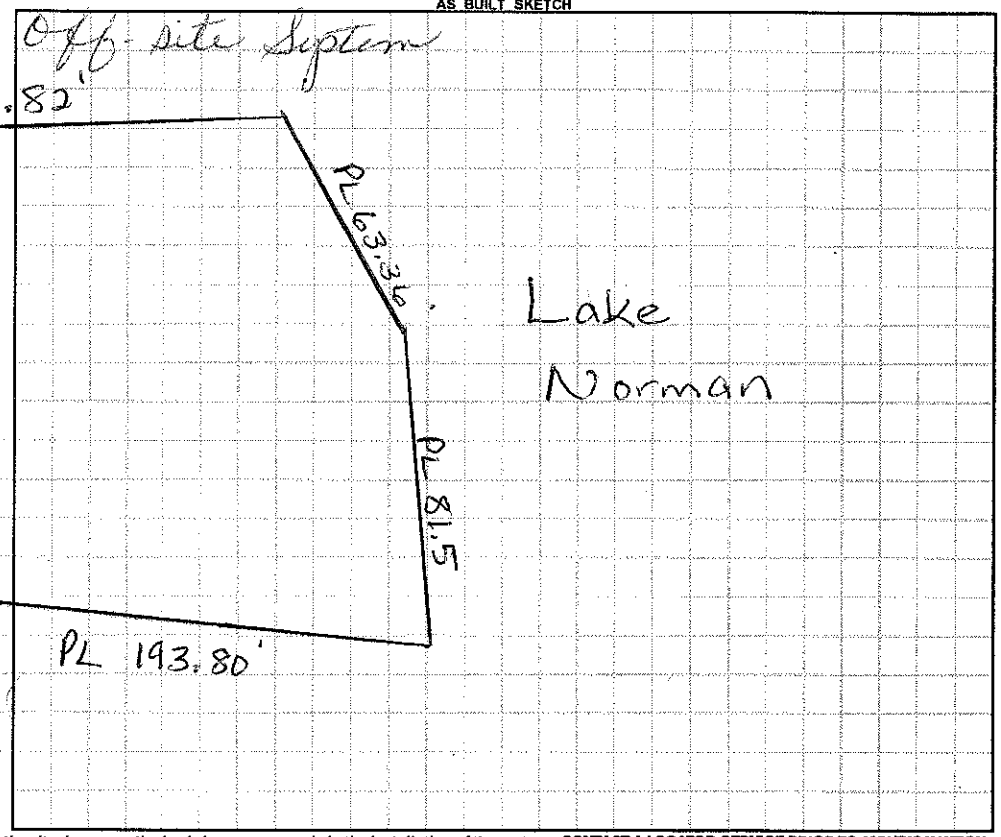
Comments / Conditions: Install pump package, control panel and connect to collection line as specified by Piedmont Design.

39.5 39.5

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**

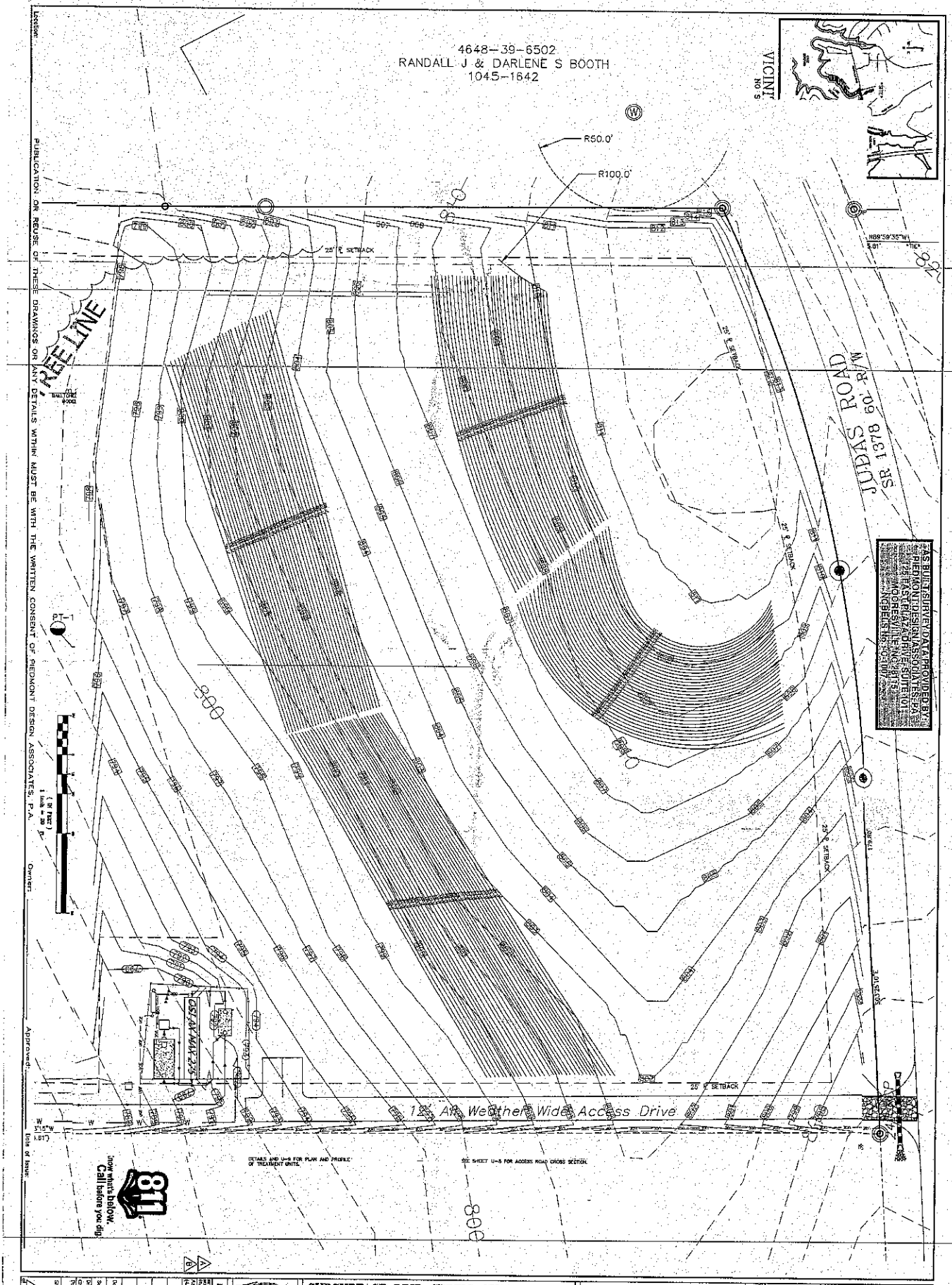
[ ] **IMPROVEMENT PERMIT** *with plat valid without expiration.* [ ] **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* [X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 4-22-16 Installed by: R+N

IMPROVEMENT PERMIT by: Maria H. Gibson RS Date: 4/22/16 OPERATION PERMIT by: Wes Lyons Date: 9/14/16

AUTHORIZATION TO CONSTRUCT by: Maria H. Gibson RS Date: 4/22/16 Existing System Inspected by: Date:

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
PER NCDENR COMMENTS, 1/30/15	DMD
PER NCDOT COMMENTS, 4/20/15	DMD

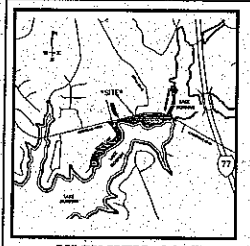
SUBSURFACE DRIP SEPTIC SYSTEM PLAN
SISTERS COVE PHASE II
CORNELIUS ROAD
MOORESVILLE, IREDELL Co., NORTH CAROLINA

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) 664-7855 Fax:(704) 664-1772 www.pdapa.com
NCBELS License #: C-1907

Sheet U-2
Job No. 2014-10-07
Date: 04/08/15
Scale: 1"=30'
Contours
Drawn: DMD
Checked: RM
Date: 12/9/14

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:

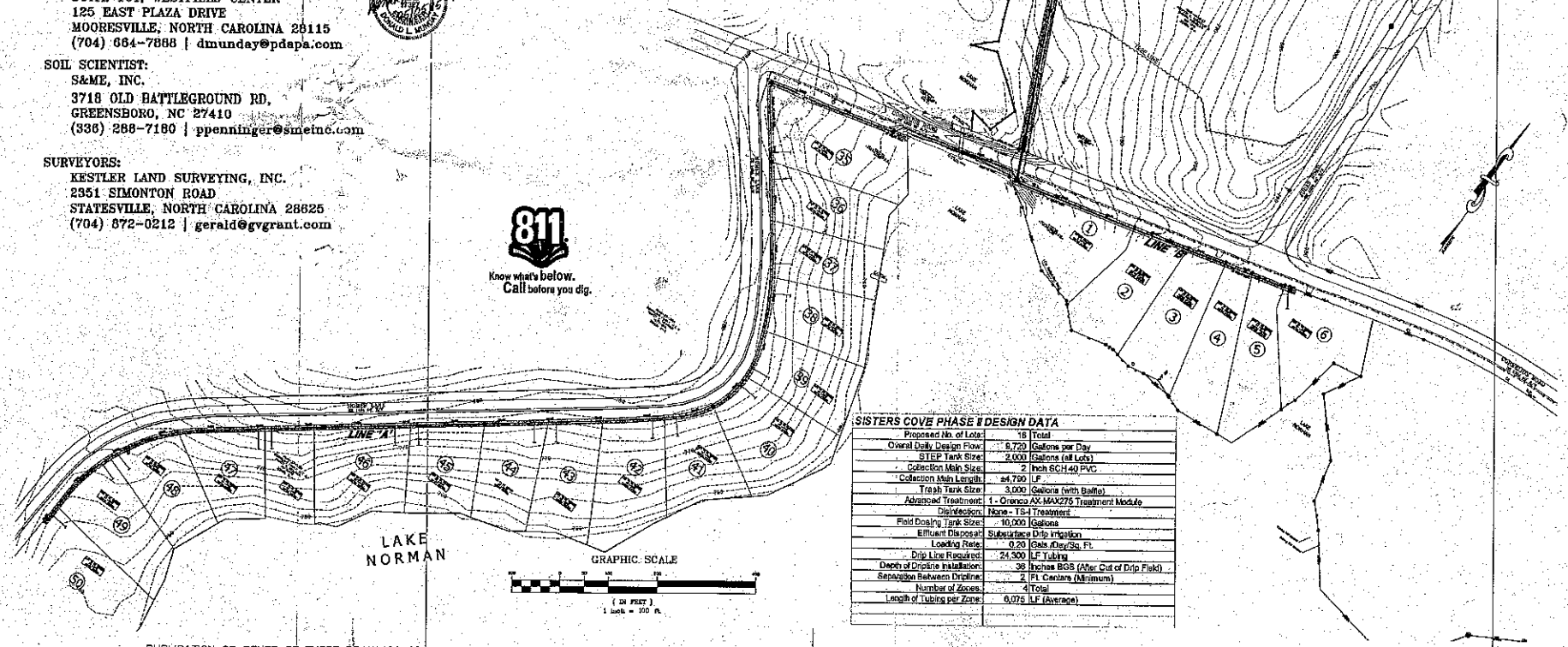
ENGINEER:
PIEDMONT DESIGN ASSOCIATES, P.A.
ENGINEERING/SURVEYING/PLANNING
SUITE 101, WESTFIELD CENTER
125 EAST PLAZA DRIVE
MOORESVILLE, NORTH CAROLINA 28115
(704) 664-7868 | dmunday@pdapa.com

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



SISTERS COVE PHASE II DESIGN DATA

Proposed No. of Lots:	16	Total
Overall Daily Design Flow:	6,720	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 - 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