54236

8 OCT '19 AM10:14

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR APPROVAL TO USE AN EXISTING ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM / WATER SUPPLY WELL

APPLICATION TYPE: (●) SEPTIC ONLY ( ) WELL ONLY ( ) SEPTIC & WELL
( ) ADDITION OR RENOVATION WITH OCCUPANCY INCREASE ( ) EXCHANGE MOBILE HOME (SAME # BEDROOMS)
(●) ADDITION OR RENOVATION WITH NO OCCUPANCY INCREASE ( ) COMMERCIAL OR INDUSTRIAL

PERSON FILING APPLICATION:
NAME: Erick West
ADDRESS: 4416 Parkwood School Rd
CITY: Monroe
STATE: NC ZIP: 28112
PHONE: (704) 309-1449
ALTERNATE PHONE:
E-MAIL: erickwest33@gmail.com

PROPERTY OWNER: ☐ SAME AS PERSON FILING APPLICATION
NAME: Mark Brock
ADDRESS: 12627 Ninebark trail
CITY: Charlotte
STATE: NC ZIP: 28278
PHONE: (954) 254-3256
ALTERNATE PHONE:
E-MAIL: mark.brock@brockintl.com

JOB LOCATION INFORMATION
TAX PARCEL #: 19939143
STREET ADDRESS: 12627 NinebarkTrail
CITY: Charlotte
STATE: NC ZIP: 28278

SUBDIVISION OR MOBILE HOME PARK NAME:
Sanctuary
LOT #: 14

WATER SUPPLY:
(●) MUNICIPAL ( ) PRIVATE WELL ( ) PUBLIC WELL ( ) SHARED WELL ( ) OTHER

RESIDENTIAL PROPERTY TYPE: ( ) N/A
(●) HOUSE ( ) MODULAR HOME ( ) MULTIPLE FAMILY
( ) SINGLE MOBILE HOME ( ) DOUBLE WIDE
( ) OTHER

OCCUPANCY (both fields are required):
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 2

COMMERCIAL / INDUSTRIAL PROPERTY TYPE: ☑ N/A
TYPE OF BUSINESS:
EMPLOYEES PER SHIFT:
OF SHIFTS:
INDUSTRIAL WASTES? ( ) YES ( ) NO
UNDERGROUND STORAGE TANKS? ( ) YES ( ) NO

ADDITION/RENOVATION TYPE ATTACHED TO EXISTING STRUCTURE:
☐ BEDROOM ☐ BATHROOM ☐ KITCHEN ☐ DINING ROOM ☐ LIVING ROOM ☐ DEN
☐ GARAGE ☐ SUNROOM ☐ PORCH ☐ DECK ☐ OTHER

ADDITION/RENOVATION TYPE DETACHED FROM EXISTING STRUCTURE:
☐ DETACHED GARAGE ☐ DETACHED GARAGE WITH PLUMBING ☒ POOL HOUSE ☐ SHOP ☐ BARN
☐ STORAGE SHED ☐ DETACHED PORCH / DECK ☐ OTHER

*The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Erick West — Owner's/Agent's Signature
10/8/19 — Date

A PROPOSED PLOT PLAN (see page 2) is required to be submitted with each application.

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208 OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19

THIS IS TO CERTIFY THAT ON THE 14th DAY OF AUGUST 2019, AN ACTUAL SURVEY WAS MADE UNDER MY SUPERVISION OF THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE BOUNDARY LINES AND THE IMPROVEMENTS, IF ANY, ARE AS SHOWN HEREON.

SIGNED _____ PROFESSIONAL LAND SURVEYOR

NOTES:

1. PID 19937143

2. THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL RECORDED OR UNRECORDED EASEMENTS, SETBACKS, BUFFERS, RIGHTS-OF-WAY, IMPERVIOUS AREAS RESTRICTIONS AND/OR RESTRICTIVE COVENANTS, OTHER THAN SHOWN.

3. THIS PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP (FIRM) NO. 3710359100L, WITH A DATE OF IDENTIFICATION OF 09/02/2015.

ZONE X DEFINITION: "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

4. SURVEY MADE WITHOUT THE BENEFIT OF A TITLE EXAMINATION.

5. PROPERTY ZONED: MX-1(BR)(V)
SETBACKS SHOWN ARE PER MAP BOOK 42, PAGE 614 AND ARE SUBJECT TO INTERPRETATION BY THE PROPER ZONING ADMINISTRATOR

6. UNDERGROUND UTILITIES ARE NOT SHOWN. ALL UNDERGROUND UTILITIES ARE TO BE ACCURATELY MARKED BY OTHERS PRIOR TO CONSTRUCTION OR EXCAVATION

NORTH PER MB 42/619

NORTH CAROLINA PROFESSIONAL SEAL L-4689 LAND SURVEYOR THOMAS E. WHITE

~NOW OR FORMERLY~
TERENCE & APRIL MOORE
DB 30718/615
LOT 16, MB 42/619
PID 19937141

~NOW OR FORMERLY~
ALLEN J and DEBORAH K CAMPBELL
DB 33226/204
LOT 15, MB 42/619
PID 19937142

~NOW OR FORMERLY~
JOHANNES ETWAROO and SONA HYGAN-KAPKIAN
DB 21829/718
LOT 13, MB 42/619
PID 19937144

N 41°04'55" W 301.71

REBAR (FOUND)

REBAR (FOUND)

FENCE

TREE SAVE AREA PER MB 42/619

30' REAR YARD

LOT 14
3.095 ACRES
(MB 42/619)

5' SIDE YARD

S 63°18'48" W 448.21

N 67°35'45" E 576.76

5' SIDE YARD

PROPOSED POOL HOUSE

WATER (SHADED)

STONE PATIO

FENCE

FENCE

AC #2

CO

SEE INSET FOR DETAIL

SEPTIC PUMP #3

GM

64.0'

130.5'

Septic Tanks

Existing Drain field

IMPERVIOUS AREA TABLE (SQFT)
(12% PER MB 42/619)

TOTAL ALLOWABLE = 16176
TOTAL EXISTING = 8413
TOTAL REMAINING = 7762

PROPOSED POOL HOUSE = 1860
TOTAL PROPOSED = 10273
TOTAL PROPOSED REMAINING = 6103

LEGEND:

GM = GAS METER
AC = AIR CONDITIONING
WM = WATER METER
CO = SEWER CLEAN OUT

20' SETBACK

C1

S 05°57'20" E 131.96

REBAR (FOUND)

REBAR (FOUND)

PPC

EDGE OF PAVEMENT

AN RIGHT OF WAY

RIGHT OF WAY

NINEBARK TRAIL
50' PUBLIC R/W
(MB 42/619)

INSET
(NOT TO SCALE)

#12627
2 STORY BRICK & STONE

VICINITY MAP
NOT TO SCALE

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	200.00	128.93	S24°47'38"E	126.66

IMPERVIOUS AREA SURVEY
OF

SCALE 1"=100'

LOT 14 of THE SANCTUARY
STEELE CREEK TOWNSHIP, MECKLENBURG COUNTY, NORTH CAROLINA

SURVEYED FOR Erick West

MAP RECORDED IN BOOK 42 AT PAGE 914 DEED RECORDED BOOK ____ PAGE ____

DRAWN BY RD FIELD WORK MB,SH FIELD BOOK #

CAROLINA SURVEYORS PA
P.O. BOX 247
PINEVILLE, N.C. 28134
(704) 889-7601
FAX (704) 889-7014
CERTIFICATE OF AUTHORIZATION
NO. C-1262 (P) (L)

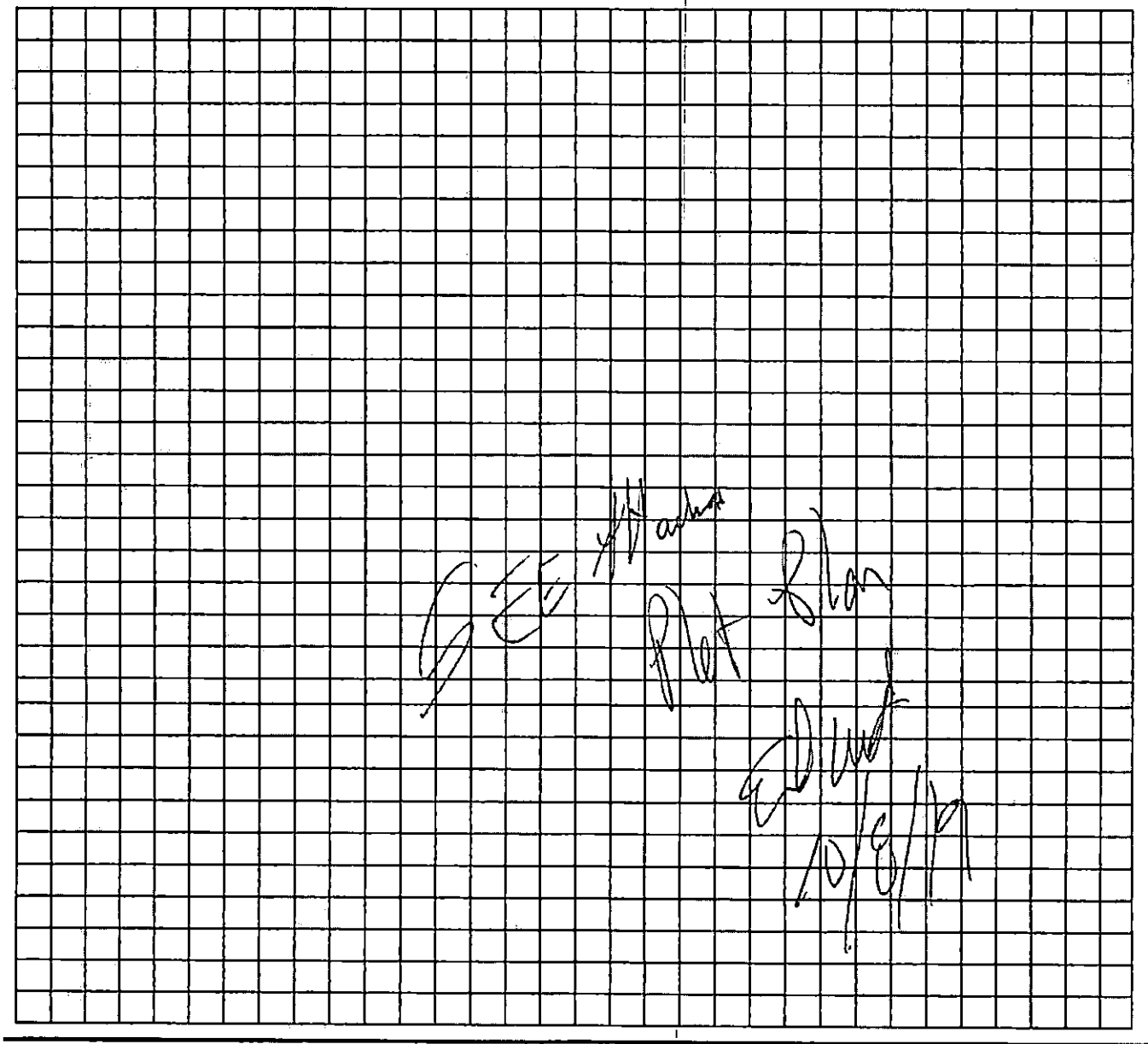
2017\NC\Vinebark Tr #12627
2019\SV\Vinebark Tr #12627
PROJECT: 17-0326

File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 12627 Nineback Trail Tax Parcel #: _____



*The undersigned, an authorized agent of the Mecklenburg County Health Department, certifies that the Department has approved the Request for the "Job Location" contained in this document. This approval is granted in accordance with the provisions of Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal and Water Supply Wells in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an installation, construction, alteration and/or repair approval is granted by this Department.
- Addition/Renovation approval valid 1 year from issuance date
- Mobile home exchange approval valid 6 months from issuance date

Customer meets required
ste set backs

REHS Signature _____ Date 10/21/19

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208 OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19

Payment Receipt

Mecklenburg County

Environmental Health
3205 Freedom Drive, Suite 8000
Charlotte, NC 28208
Phone: 980-314-1651

Enter Account # or Customer Name Here: ERICK WEST

Bill To:

ERICK WEST
4416 PARKWOOD SCHOOL RD

Monroe, NC 28112

Single Payment

Transaction Date: 10/08/2019 6:59 AM Pacific Time
Pay Method: VISA **********6527
Approval #: 082371
Trace Number: 82968d36-c0f8-4b5e-a33e-950296c0c255
Amount: $200.00

Payment Amount: $200.00

Total: $200.00

Thank you for your payment.

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/08/19
Receipt #: 118923
Check / Auth #: VISA 082371
Received By: WALKEVA

Amount: 100.00
Tendered: 100.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: WEST, ERICK
Attn:
Address: 4416 PARKWOOD SCHOOL RD
Address:
City/State/Zip: MONROE, NC 28112

Item	Description	Permit#	Quantity	Unit Price	Total Price
0705	Use Existing System 12627 NINEBARK TRAIL		1	100.00	100.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance



12627 NINEBARK TL

19937143

1/8/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 5423B Permit #: 5423B Tax Parcel #: 179-371-43

Property Owner: HOWEY CONSTRUCTION / SANCTUARY @ LAKEWYLIE

Job Location Address: 12627 NINEBARK TR (SANCTUARY LOT 14)

City: CHARLOTTE State: NC Zip Code: 28277

Operation Permit Issuance Date: _____ Contractor Name: STANLEY

Permitted Design Flow: 600 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1500 gallons

Effluent Pump Model: GOULDS 230 (½ hp)

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 340 feet

# of Lines: 4 @ 85 feet

Depth of Media: 24 inches (Type) SAND

Depth of Cover: 6 inches

Distribution Device: GATE VALVE

Bed Installation *(For Repair Installations ONLY.)* ☑ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☑ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: _____ feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 10 feet

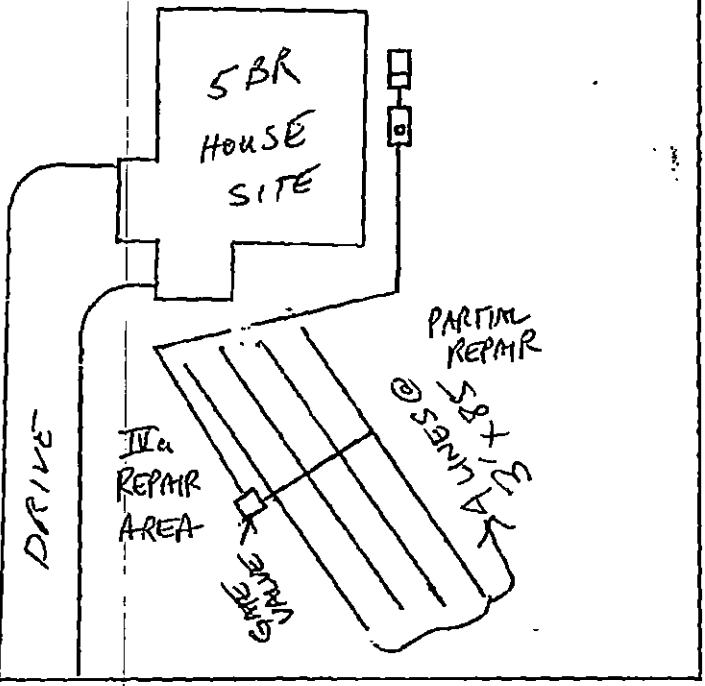
Inspection Dates

Tank(s) Inspected: 6/9/06

Excavation Inspected: 6/9/06

Pump & Controls Inspected: 6/13/06

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☐ repaired ☑ as detailed in the plot above ☑ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

***Notice:* Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.**

Comments: System Classification & Type: TYPE IVa PPBPS PRESSURIZED + SAME FOR REPAIR

DENR Authorized Agent: Zack Peterson Signature: _____ ES/G

Mecklenburg County Groundwater & Wastewater Services
700-N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

INSTALLATION APPROVAL for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 5-423B Permit #: _____ Tax Parcel #: 199-37143

Property Owner: Howey Construction

Job Location Address: 12627 Nine Bark Tr (Lot 14 Sanctuary)

City: Charlotte State: NC Zip Code: 28262

Installation Approval Issuance Date: 6-8-06

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 6-10-06, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 600 GPD

Site LTAR: 0.3 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1500 gallons

Drainfield Design ☐ N/A

Trench Depth: 36" inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 340 feet

# of Lines: 4 3 @ 90 feet

Depth of Media: 22" @ 10 inches (Type) SPPBPS

Distribution Device: LPP Manifold

Bed Design *(For Repair Installations ONLY.)* ☑ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☑ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

Minimum System Setbacks

Distance from Building Foundation: 75' feet

Distance from Property Line: >10' feet

Distance from Water Supply Source: 250 feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)

Install as shown by consultant
E & ME.

Comments: System Classification & Type: IV a

DENR Authorized Agent: Zach Pierson Signature: Mark Stutts EHS

704-332-6594

S&ME

To: Mr. Zach Petersen, RS
MCHD

From: Paul G. Penninger, LSS
Rob Wilcox, LSS

RE: Sanctuary Lot 14, MCHD File # 5423B septic system installation.

Date: June 29, 2006

It is our understanding that the septic system for lot 14 The Sanctuary was not installed according to our February 26, 2006 plan. According to our conversations, the LPPPBPS system was installed with 4 lines at 85 feet long, centerfed, instead of the 3 lines at 90 feet and 1 line at 70 feet.

As long as the system was properly installed and met all required setbacks, this configuration should have a reasonable expectation of satisfactory performance. If your office has approved the installation, S&ME has no objection to the change in design.

We do note that we have not visited the site since the permit was revised and have not seen the installed system. Any future revisions to the Improvement Permits should be requested in advance by the installers and not after the system has been installed.

S&ME

Does not show change in plot plan 3/1/06

Date: February 20, 2006

To: Mr. Zack Petersen, R.S.
Mecklenburg County Env. Health Dept.

From: Paul G. Penninger, LSS
Toney C. Jacobs, LSS

RE: **Request for revisions to the Improvement Permit for Lot 14** at The Sanctuary:
MCHD File #5423B

The Howey Company is requesting a revision to the Improvement Permit for the above referenced lot. Mr. Bill Marlin has evaluated the soils (see attached MCHD soil sheets) and S&ME, Inc. has flagged the revised system and repair on the lot. The septic lines have been located by the surveyor and are shown on the attached maps provided by The Howey Company. There is a gas line crossing the proposed system area that should be moved. The trench should be compacted after the gas line is removed to prevent it from becoming a conduit for wastewater to move from upper to lower lines.

Now that the proposed system has been revised we strongly recommend fencing the entire primary and repair areas from any grading or other potential damage. Any further damage to the septic area may make the lot unsuitable.

Tri-County Wastewater (TCWW) is under contract to supply maintenance services for each septic system installed at The Sanctuary. TCWW will have a list of preferred septic contractors for the subdivision and will also have requirements for septic system installation that are greater than the MCHD and State requirements. It will be the responsibility of TCWW to enforce any requirements above State requirements or the MCHD conditions on the Improvement Permit.

Please review the attached system sketch and design specifications for the Improvement Permit. Any additions or revisions you feel are necessary can be made on the Improvement Permit. Please call in you have and questions or comments.

S&ME, Inc.
385 Timber Road, Suite 104
Mooresville, North Carolina 28115-7899

(704) 662-8625
(704) 662-8735 fax
www.smeinc.com

Lot 14 The Sanctuary Septic System Revision

Number of Bedrooms	5
Basement or Crawl	Crawl
Design Flow (gpd)	*600*
LTAR (gpd/ft2)	0.3
Primary System Type	**LP PPBPS**
No. Lines	4 (See Table)
Total Linear Feet	340
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	150' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	X38 gpm (39.5)
Elevation head	to be determined by installer
Pressure head	3.0'
Friction head	approx. 6'
20% Contingency	by installer
Total Head	by installer
Pump Requirements	by installer
Dosing Volume	(284 GAL) X273 gal -2.2 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	460

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

Table 1: Summary of Primary Field Line Specifications (lot 14 revision)

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	yellow	LPPPBPS	70 endfed	16	16	1 per panel	5/32"
2	System	red	LPPPBPS	90 centerfed	~~20~~ 21	~~20~~ 21	1 per panel	5/32"
3	System	blue	LPPPBPS	90 centerfed	~~20~~ 21	~~20~~ 21	1 per panel	5/32"
4	System	pink	LPPPBPS	90 centerfed	~~20~~ 21	~~20~~ 21	1 per panel	5/32"
5	Repair	red	LPPPBPS	110				
6	Repair	white	LPPPBPS	135				
7	Repair	yellow	LPPPBPS	155				
8	Repair	pink	LPPPBPS	60				
					Total: ~~76~~ 79	Total: ~~76~~ 79	(1 in each panel turned up)	
				Total System: 340'				
				Total Repair: 460'				

Tank		1500 gal (2 compartment)	
Pump Tank		1500 gal.	

SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☐ NEW WELL ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) _____ Initial/Date

CA ($200.00) _____ Initial/Date

OP ($200.00) _____ Initial/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 VW 10/8/19 Initial/Date

Alteration Fees Paid: $300 Total $200 _____ Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____ Initial/Date

Floor plans need to be submitted and reviewed before CA can be issued ☐ Review ☐

This site is served by septic and well. Verify each is complete before final hold is released ☐

Septic file complete ☐ _____ Well complete ☐ _____

Send permit for signature ☐ Signature received ☐ _____

This septic system requires a certified operation contract before final hold is released ☐

Certified operator contract is on file ☐ _____