

Davidson County Health Department Operations Permit

Neil Thomas

Applicant's Name

3583 Bethesda Road

Subdivision/Section/Lot #

Ward Bros 3:30

Wastewater System Installer

Authorized State Agent

Date

Facility Description: Wine Tasting room Designed Daily Flow: 900 GPD Maximum Occupancy: _____

Initial System Type: III b Pump to Conventional/Gr Repair System Type: III b GTR

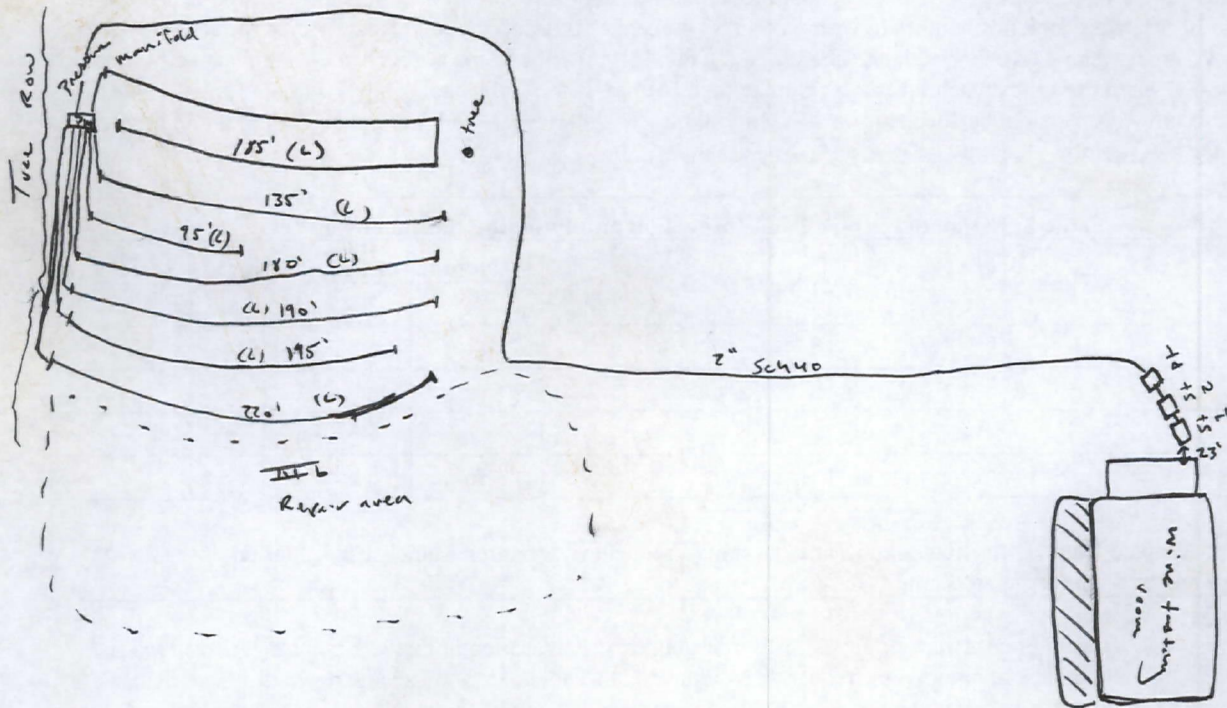
Septic Tank: #1 Shoaf 1000 SL 360 17-3 #2 Shoaf 1000 SL 360 Filter Type: Polylok 76 122

Pump Tank: Shoaf 1775 Pt 352 6-9 Pump Model: Champion Cestep-10

Nitrification Field (Sq. Ft.) 3600 Nitrification Line (Linear Ft.) 1200ft

Permit Conditions:

- Checked first 185 ft of septic line 2-2-22 BAS
- Last 6 lines checked 2-9-22 (BAS) Checked Supply line & Pressure manifold 2-9-22
- * Hold for pump & Electrical check *



Davidson County Health Department Operations Permit

Neil Thomas
Applicant's Name

3583 Beechwood Road
Subdivision/Section/Lot #

Ward Bios 3:30
Wastewater System Installer

Authorized State Agent

Date

Facility Description: Waste Treatment Designed Daily Flow: 960 GPD Maximum Occupancy: _____

Initial System Type: II-6 Repair System Type: II-6 GTR

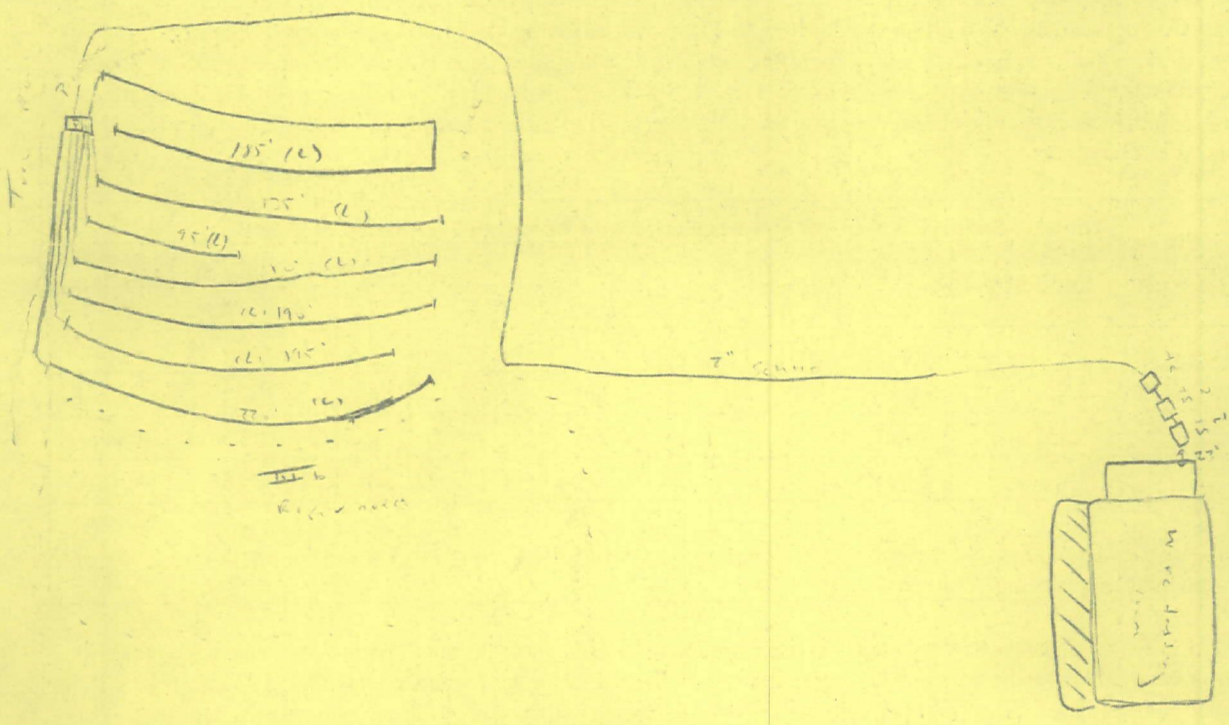
Septic Tank: 17.3' x 17.3' x 6-9" (Shallow) Filter Type: Poly 161 76177

Pump Tank: 17.3' x 17.3' x 6-9" Pump Model: Champion 6851-10

Nitrification Field (Sq. Ft.) 360 Nitrification Line (Linear Ft.) 1700 ft

Permit Conditions:

- Checked out 11/5/21 at 5:10 PM 7-2-22 3-25
- Cost 6,000.00 7-2-22 (2022) 2,100.00 5-11-21 1,900.00 2-11-21
- * Hold 2,000.00 Electrical 2022 *



Davidson County Health Department

Improvement Permit

If the information on the Improvement Permit is falsified, changed, or the site is altered, then the Improvement Permit shall become invalid

Permit is Valid for Five Years

No Expiration Date

Date Rec: 09 Sep 2021

Map Code:

File No: 2021000743

Applicant:

THOMAS, NEIL P

Address:

413 CAMERONDEN CT
KERNERSVILLE NC 27284

Daytime Phone:

3367068350

Owner/Legal Representative:

THOMAS, NEIL P

Address:

413 CAMERONDEN CT
KERNERSVILLE NC 27284

Daytime Phone:

3367068350

Subdivision:

Map: 303A Lot: 51A Section: Township: 11

Road Name: BETHESDA ROAD

Directions to Property: 3583 BETHESDA ROAD

Facility Type: OTHER New: X Repair: Expansion: Water Supply: Well-Proposed

No. of Bedrooms: No. of Occupants: Basement: Basement Fixtures:

No. of Employees: 4 Other: VINEYARD TASTING RC Projected Daily Flow: 900 gpd

Pump: Yes No Proposed Wastewater System Type: III b, pump to conventional

Permit Conditions: See attachments 1&2 and top sheet

Permit Granted: Permit Denied: Authorized State Agent: Eric Bauley

Date: 10-20-21

Owner/Legal Representative's Signature: _____

Date: _____

Authorization to Construct Wastewater System

The Authorization for Wastewater System Construction is subject to revocation if the site plan or plat changes, the intended use of the property changes, or if the site is altered or is misrepresented in any way.

Type of Wastewater System: III b, pump to conventional Projected Daily Flow: 900 gpd

Wastewater System Requirements

Tank Size: 1553 min Pump Tank Size: 1553 min Square Footage: 3600

Trench Length: 1200 Max. Trench Depth: 40" Trench Width: 3'

No. of Trenches: 8 at various lengths Aggregate Depth: 12" stone

Permit Conditions: see attachments 1&2 + system top sheet

See Site Plan / Plat On Attached Sheet

Permit Granted: Permit Denied: Authorized State Agent: Eric Bauley

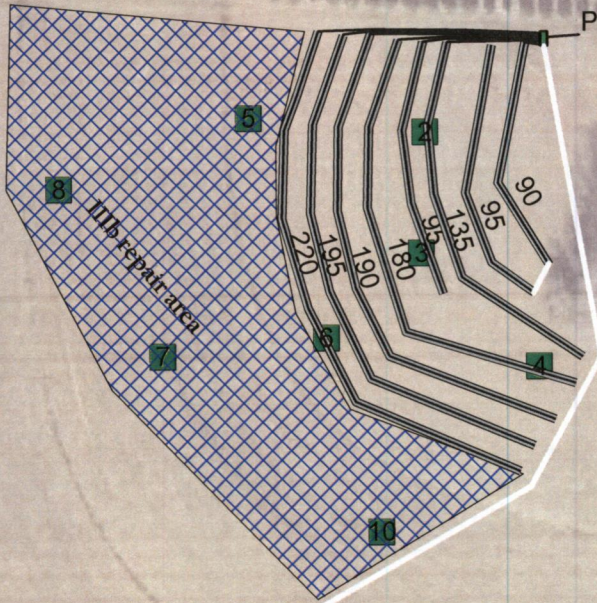
Date: 10-20-21

Owner/Legal Representative's Signature: _____

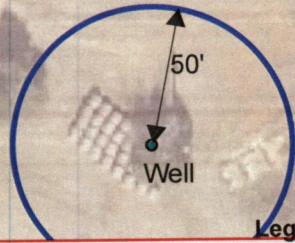
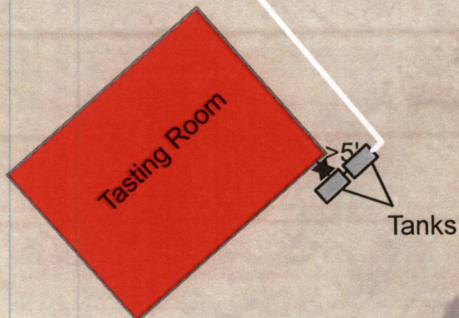
Date: _____

1159.9

Pressure Manifold 1304.1



8
5
2
4
1
9
7
3
6
4
10

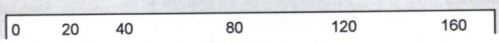
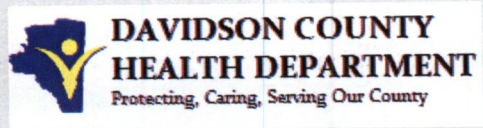


Legend

- Well
- Soil_Pro
- centerlines
- Parcels

File Number: 2021000743

1 in = 70 ft



File # 2021000743

Attachment 2

Install 1200 linear feet of new drainline on contour 40" deep max trench depth

System and repair are specified as pump to conventional installation

No cutting/ filling or **vehicular traffic** on system or repair area, any soil removal in the approved area could result in permit revocation.

Stay 5' from foundation, 15' from basement, 15' from pool cut, 10' from water line, 10' from property line, 50' from streams or lake, and **100' from any well**

Install during dry conditions

Keep out of utility right of ways

Install per .1900 rules, and manufacture specifications

Install new approved Septic tank and pump tank (min capacity of 1553 gallons each)

Pump to a pressure manifold (see tap sheet)

Pipe Gutters away from system area

This system is sized to serve a tasting room at a vineyard (domestic strength wastewater only)

Excess wine shall not enter septic system (pump and haul recommended)

This system is not sized for food service or food preparation.

It is recommended to pump tanks once yearly at a min.

Utilities must be crossed in accordance with the .1900 rules and manufacture specifications

A pre-installation meeting shall occur before system shall be installed

The Grape Escape SYSTEM

| <u>Line #</u> | <u>Color</u> | <u>Elevation</u> | <u>Length</u> | <u>Hole Size</u> | <u>Flow/Tap</u> | <u>gpd</u> | <u>Trench Area</u> | <u>Flow/foot</u> |
|---------------|--------------|------------------|---------------|------------------|-----------------|------------|--------------------|------------------|
| 1 | White | 96.6 | 90 | ERROR | 5.05 | 75.20 | 270 | 0.0561 |
| 2 | | 96.6 | 95 | ERROR | 5.05 | 75.20 | 285 | 0.0532 |
| 3 | Pink | 96.6 | 135 | SCH 40 1/2 | 7.11 | 105.87 | 405 | 0.0527 |
| 4 | Red | 96.6 | 95 | SCH 80 1/2 | 5.48 | 81.60 | 285 | 0.0577 |
| 5 | Orange | 96.6 | 180 | SCH 80 3/4 | 10.1 | 150.40 | 540 | 0.0561 |
| 6 | Yellow | 96.6 | 190 | SCH 80 3/4 | 10.1 | 150.40 | 570 | 0.0532 |
| 7 | | 96.6 | 195 | SCH 80 3/4 | 10.1 | 150.40 | 585 | 0.0518 |
| 8 | | 96.6 | 220 | SCH 40 3/4 | 12.5 | 186.14 | 660 | 0.0568 |

| | | | | |
|-------|-----------|-------|-----------|-------|
| total | feet = | 1200 | gal/min = | 60.44 |
| | Des. Flow | 900 | | |
| | Pump Run= | 14.89 | | |
| | soil LTAR | 0.25 | | |

Site and Soil Evaluation

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WATER PROTECTION SECTION

File Number: 2021000743
Evaluating EHS: EB
Others Present During Evaluation:

| Profile | Type | Landscape Position | Slope (%) | Soil Horizon | Soil Restrictive Horizon | Saprolite | LTAR Classification | Comments |
|---------|------|--------------------|-----------|--------------|--------------------------|-----------|---------------------|----------|
|---------|------|--------------------|-----------|--------------|--------------------------|-----------|---------------------|----------|

9/21/2021

| | | | | | | | | | | | |
|---|-----|----|---|-----------------------------------|----------------------------------|--|------------------------------|----|------|------|------------------------------|
| 1 | Pit | ls | 6 | 0-8 scl wfgr ss sp fr sexp | 8-22 c abk s p fi sexp | 14+10yr7/ 2 | u/ps | na | 0.1 | U/PS | wet to 63 |
| 2 | Pit | ls | 6 | 0-12 scl wfgr ss sp fr sexp | 12-27 c wfabk s p fi sexp | 27-52 sclbc wfbsk ss sp fr sexp | 52-67 slsma SL ss sexp | | 0.25 | PS | low chroma at horizon change |
| 3 | Pit | ls | 6 | 0-13 scl | 13-32 c mfabk/he avy | 32-72 scl bc wfbsk ss sexp | | | 0.25 | PS | |
| 4 | Pit | ls | 7 | 0-12 scl wfgr | 12-34 bt c wmabk sexp sexp | 34-65 sclbc wfbsk sexp sexp | 65-80 slsma SL ss sexp | | 0.25 | U | low chroma in bt horizon |
| 5 | Pit | ls | 7 | 0-23 c mmabk sexp sexp | 23-35 sclbc wfbsk | 35-68 SL slsma | | | 0.25 | PS | |
| 6 | Pit | ls | 6 | 0-13 scl wfgr | 13-36 c mmabk sexp sexp | 36-70 sclbc wfbsk | | | 0.25 | U | low chroma in bt horizon |
| 7 | Pit | ls | 7 | 0-10 scl wfgr | 10-36 c mmabk sexp sexp | 36-72 sclbc wfbsk | | | 0.25 | PS | |
| 8 | Pit | ls | 7 | 0-10 scl wfgr | 10-32 c mmabk sexp sexp | 32-69 sclbc | | | 0.25 | PS | |

| Profile | Type | Landscape Position | Slope (%) | 1 | Soil Horizon 2 | 3 | 4 | Soil Wetness | Restrictive Horizon | Saprolite LTAR | Classification | Comments |
|---------|------|--------------------|-----------|------------------|------------------|--------------------|--------------------|--------------|---------------------|----------------|----------------|--------------------------|
| 9 | Pit | ls | 7 | 0-14 scl wfgr | 14-32 c wfabk | 32-67 scl wfsbk | 62-84 scl wfsbk | 21+ | | 0 | U | wet all the way after 21 |
| 10 | Pit | ls | 7 | 0-13 scl wfgr | 13-37 c mfabk | 37-62 cl wfsbk | 62-84 scl wfsbk | | | 0.25 | PS | low chroma in bt horizon |

Available Space (.1945): S
 Other Factors (.1946): S
 Site Classification (.1948): PS
 Comments:

Initial System LTAR 0.25
 Repair System LTAR:0.25
 Initial System Type:IIIb
 Repair System Type:IIIb

Davidson County Health Dept.
 Credit SEP 09 2021 \$340.00
 KDM PAID
 Davidson County Health Dept.
 Credit SEP 28 2021 \$80.00
 KDM PAID

Completed survey plat or site plan submitted

File Number: 2021-743
 (Office Use Only)

Davidson County Health Department Onsite Wastewater Application

Improvement Permit
 Construction Authorization
 Building Authorization
 Manufactured Home Connection Authorization

Date Application Submitted 9-9-2021
 Date Site Ready to Evaluate _____
 Structure staked, property lines marked

IF THE INFORMATION IN THE APPLICATION FOR AN IMPROVEMENT PERMIT IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THE IMPROVEMENT PERMIT AND AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. THE PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. THIS APPLICATION IS VALID FOR 1 YEAR FROM DATE OF SUBMISSION.

APPLICANT INFORMATION: email address neilthetaxman@yahoo.com

Neil Thomas 413 Cameron Dr Kernerville, N.C. 27284 356-706-8350
 Permit Requested By Complete Mailing Address Daytime Phone

Neil Thomas 3583 Bethesda Rd. Lexington, N.C. 27295 356-706-8350
 Property Owner Complete Mailing Address Daytime Phone

PROPERTY INFORMATION

Parcel Number 11-303-A-000-0051-A Street Address 3583 Bethesda Rd Lexington, N.C. 27295
 Subdivision _____ Section _____ Directions to site: Ridge Rd to Bethesda Rd.

DEVELOPMENT INFORMATION

House _____ Manufactured Home _____ Other TASTING ROOM - vineyard
 Repair to Existing Septic Tank System _____ Expansion of Existing System _____

Residential Info: # Bedrooms _____ Basement (Y/N) _____ if Y, Fixtures _____ # of Occupants _____

Non-Residential Info: Type of Business Agrotourism # of Employees 4 # of Seats _____
 Total Square Footage of building 4260 Other _____

Water Supply: Public _____ New Well Existing Well _____ Community Well _____

Does this property: 1) Have any designated wetlands? yes 2) Subject to approval by any other public agency (Planning & Zoning, DOT, etc) no Will there be any wastewater generated other than domestic sewage? no If yes, explain _____

NEW CONSTRUCTION ONLY: REQUESTED SEPTIC SYSTEM LOCATION

Front (road facing) _____ Back _____ Do not care _____ Other JIM BEBOW

I have read this application and information sheet attached and certify that the information provided in this application is true, complete and correct to the best of my knowledge. Authorized county and state officials are granted right of entry to conduct necessary inspections. I understand that I am solely responsible for the proper identification and labeling of all property lines and making the site accessible for this evaluation.

Property Owner / Legal Representatives Signature [Signature]

(Office Use Only)

Initial Site Visit Date 9-21-21 San ID En IP Date _____ San ID _____
 ATC Date _____ San ID _____ BA Date _____ San ID _____

spoke with applicant on 9-9-21 re next pt
 pouring rain during evaluation
 200