

AMP'd Engineering, PLLC

Civil Engineer – Consulting Engineer – Land Development

PO Box 4580

Emerald Isle, NC 28594

(919) 795-9594 ✦ athan.parker@ampdengineering.com

Firm License Number P-1532

CERTIFICATION LETTER

April 25, 2019

**To: Mr. Oliver Tolksdorf,
REHS-Environmental Health Supervisor
Harnett County Health Department
307 W Cornelius Harnett Blvd
Lillington, NC 27546**

**Ref: Ashe Trail Lot 2 EOP
391 Wilson Lucas Rd.
Dunn, Harnett County, NC**

Dear Mr. Tolksdorf,

As a duly licensed registered Professional Engineer in the State of North Carolina, license number 43250, I have inspected the installation of the Engineered Option Permit of the LHD Referenced project SFD1810-0050 on April 08, 2019. Avila Construction, LLC, the on-site wastewater contractor as permitted installed 5-80' LP Chamber Type IIIg lines with 8"-10" TB as designed and permitted. The system appeared to be in the location permitted on the site plan by Pittman Soil Consulting.

If you have any questions, please feel free to give me a call (919) 795-9594 or email me (athan.parker@ampdengineering.com).

Sincerely,



01ATHAN M PARKER, PE (HUS) #AMPD
ENGINEERING, PLLC
#EMAIL:ATHAN.PARKER@AMPDENGINEERING.COM
2016 04 25 09 09 34 -0400

Athan M Parker, PE
President
AMP'd Engineering, PLLC
Firm License No. P-1532



AMP

Attch: Owner's acceptance of the system, ATO Sheets and On-site Wastewater Contractors statement

AMP'd Engineering, PLLC

Civil Engineer – Consulting Engineer – Land Development

PO Box 4580
Emerald Isle, NC 28594
(919) 795-9594 ✦ athan.parker@ampdengineering.com
Firm License Number P-1532

ACCEPTANCE LETTER

April 15, 2019

To: Mr. Michael Denning (the "Owner")
1316 NC 242 S
Benson, NC 27504

Ref: Ashe Trail Lot 2 EOP
429 Wilson Lucas Rd.
Dunn, Harnett County, NC

Dear Mr. Denning

As a duly licensed registered Professional Engineer in the State of North Carolina, license number 43250, I have inspected the installation of the Engineered Option Permit of the LHD Referenced project SFD1810-0050 on April 08, 2019. Avila Construction, LLC, the on-site wastewater contractor as permitted installed 5-80' LP Chamber Type IIIg lines with 8"-10" TB as designed and permitted. The system appeared to be in the location permitted on the site plan by Pittman Soil Consulting. This letter states the Owner's acceptance of the system from the Professional Engineer, Licensed Soil Scientist and the On-Site Wastewater Contractor as permitted with the Harnett County Health Department. Please sign this letter and have notarized on page 2 of 2.

If you have any questions, please feel free to give me a call (919) 795-9594 or email me (athan.parker@ampdengineering.com).

Sincerely,



001ATHAN M PARKER PE, ©+US, ©AMP'D
ENGINEERING, PLLC
001ATHAN.PARKER@AMPDENGINEERING.COM
2019-04-25 09:29:15 -0400

Athan M Parker, PE
President
AMP'd Engineering, PLLC
Firm License No. P-1532



AMP

AMP'd Engineering, PLLC
Civil Engineer – Consulting Engineer – Land Development

Owner: Michael Denning Mike Denning 4-17-19
Print Name Sign Name Date

North Carolina

Johnston County

I, Ricky Barnes a Notary Public for said County and State, do hereby
certify that Michael Denning personally appeared before me this day and
acknowledged the due execution of the page 1 of 2 "Acceptance Letter" from the
PE.

Whitness my hand and official seal, this the 17 day of April, 2019.

[Signature]
Notary Public

My commission expires 7-18, 2019.

PART 3: Authorization to Operate (ATO)

Except for date received, the Section below is to be completed by the Owner or by the PE designated to act as their legal representative for the EOP.

| |
|--|
| LHD USE ONLY: Initial submittal of request for ATO received: <u>4-17-19</u> by <u>AP</u> <small>Date Initials</small> |
| Date of Post-construction Conference: <u>4-24-19</u> |

The following items are included in this submittal for an Authorization to Operate under an EOP:

1. Signed and sealed copy of the Engineer's report that includes:
 - a. Signed and sealed evaluation of soil conditions and site features Yes No
 - b. Drawings, specifications, plans Yes No
 - c. Reports on special inspections and final inspection Yes No
 - d. Management Program manual Yes No
 - e. On-site Wastewater Contractor's signed statement Yes No
 - f. Signed and sealed statement pursuant to 15A NCAC 18A .1938(h) Yes No
2. Fee (as applicable) Yes No
3. Notarized letter documenting Owner's acceptance of the system from the PE Yes No

Attestation by the Owner or the PE for Authorization to Operate

I, ATHAN M. PARKER hereby attest that all items indicated above have been provided to the
Print name of Owner or Professional Engineer

HARNETT County LHD and the system shall meet applicable federal, State, and local laws, regulations, rules and ordinances in accordance with G.S. 130A-336-.1(e)(6).

| | | |
|--|--|---|
|  <small>Signature of Owner or Professional Engineer</small> | <small>ATHAN M PARKER PE L105 #1AMPD ENGINEERING, PLLC ATHAN.PARKER@AMPENGINEERING.COM 2019-04-25 10:53:28 -0400</small> | <u>4/25/2019</u> <small>Date</small> |
|--|--|---|

This section for LHD Use Only.

LHD Review of required information for the ATO

INCOMPLETE
Based upon review of information submitted by the Owner or PE in the Section above, the following items are missing from the information required for an Authorization to Operate for an EOP: _____

Copies of this signed form were sent to the design PE and the Owner on _____ via _____
Date Email, FAX, USPS, Hand-delivered

| | | |
|---|--|------------------------------|
| _____ <small>Print name of authorized Agent of the LHD</small> | _____ <small>Signature of authorized Agent of the LHD</small> | _____ <small>Date</small> |
|---|--|------------------------------|

COMPLETE
Based upon review of information submitted by the Owner or PE in the Section above, this Authorization to Operate is hereby issued in accordance with G.S. 130A-336.1(m).

A copy of this complete NOI/ATO with tracking information was sent to the State on 4-26-19 via Email.
Date Email, FAX, USPS, Hand-delivered

| | | |
|---|---|---------------------------------------|
| <u>James E. Manhart</u> <small>Print name of authorized Agent of the LHD</small> |  <small>Signature of authorized Agent of the LHD</small> | <u>4-26-19</u> <small>Date</small> |
|---|---|---------------------------------------|

ISSUANCE OF CERTIFICATE OF OCCUPANCY: Once the LHD determines completeness based upon the PE submission, the owner may apply to the local permitting agency for permanent electrical service to a residence, place of business or place of public assembly pursuant to G.S. 130A-339.

EOP Tracking information

The LHD completes this form for each NOI/ATO submitted to their offices. The LHD updates this information and re-sends it throughout the process as appropriate. The Department will use this data to draft required legislative reports on implementation of the EOP.

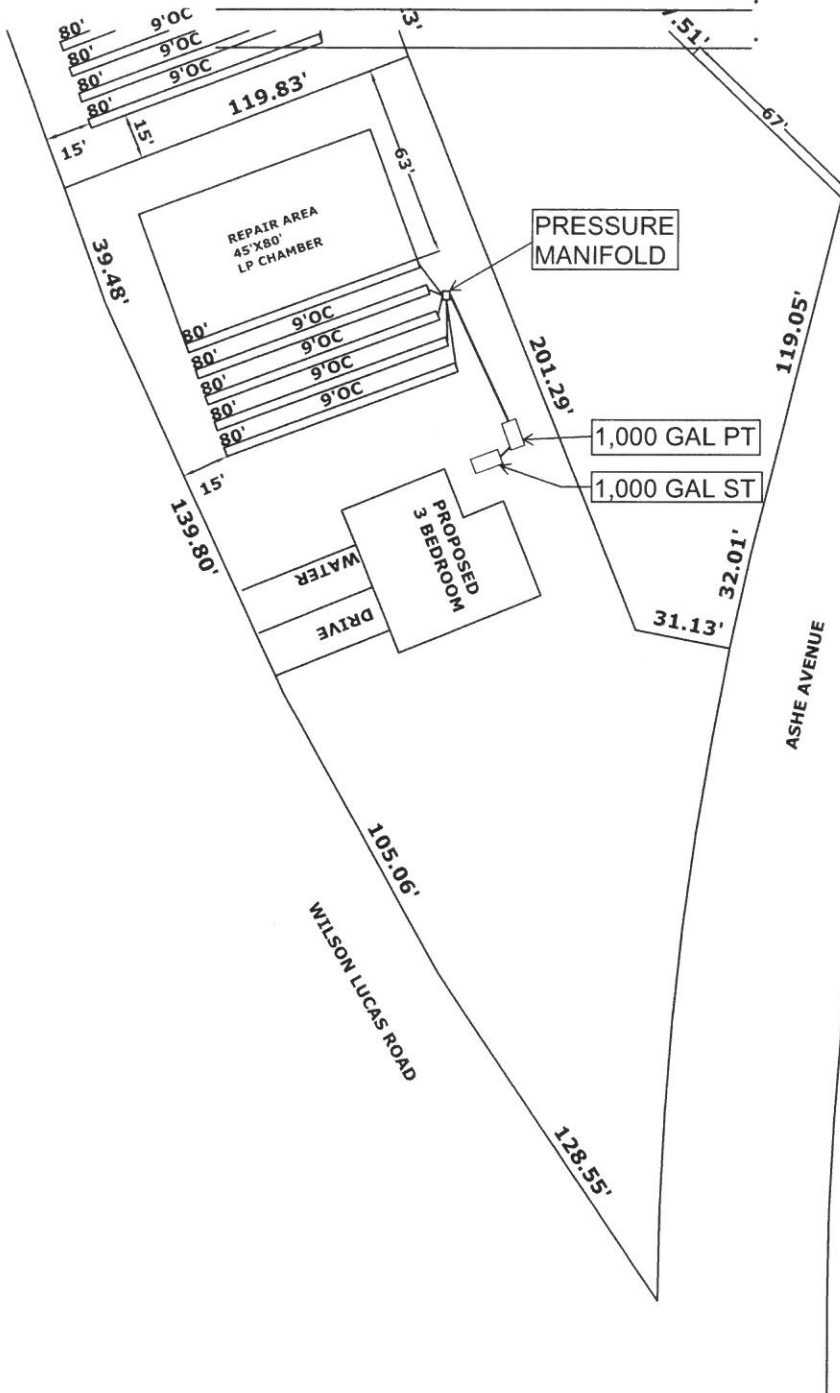
Tracking information for Engineered Option Permits (Required)

| | |
|---|-------------------|
| County | HARWEN |
| LHD Reference Number | SFD 1810-0050 |
| Permitting backlog as of date of NOI submittal (# days) | 7-12 DAYS WORKING |
| Number of days to process the NOI (# days) | 3 DAYS |
| Number of days to process re-submitted NOI (# days or "NA") | NA |
| Facility type | SFD |
| Domestic, High Strength or IPWW | DOMESTIC |
| Design Daily Flow | 3600 |
| Residential or Commercial | Residential |
| System type (per Rule .1961) | III |
| Date of Post-construction conference | 4-24-19 |
| Date Authorization to Operate issued | 4-25-19 |
| Fee charged for EOP | 225.00 |
| Is fee sufficient to cover LHD costs? | NO |
| Date LHD notified of EOP malfunction | |
| Date LHD notified of Owner complaint | |

PITTMAN SOIL CONSULTING

PROPERTY INFORMATION OBTAINED VIA
HARNETT COUNTY MAP#2018-228

Owner: ASHE TRAIL
Address: LOT 2
Location: WILSON-LUCAS ROAD



SOIL BORE(TYP)

0-12 SL, GR, VFR, NEXP, 2.5Y 4/3
12-18 SL, GR, VFR, NEXP, 2.5Y 5/4
18-24 CL, SBK, SS, SP, FI 10YR 5/8
24-36 CL, SBK, SS, SP, FI, 10YR 5/8, 2.5Y 6/1

SOIL BORE(TYP)

0-12 SL, GR, VFR, NEXP, 2.5Y 4/3
12-18 SL, GR, VFR, NEXP, 2.5Y 5/4
18-22 CL, SBK, SS, SP, FI, 10YR 5/8
22-36 CL, SBK, SS, SP, FI, 10YR 5/8, 2.5Y 6/1



INITIAL

3 BEDROOM
LTAR .3
5-80' LOW PROFILE CHAMBER LINES
8-10"TB
>6" SOIL COVER REQUIRED OVER
SYSTEM AND 5' BEYOND SYSTEM

REPAIR AREA

3 BEDROOM
LTAR .3
5-80' LOW PROFILE CHAMBER LINES
8-10"TB
>6" SOIL COVER REQUIRED OVER
SYSTEM AND 5' BEYOND SYSTEM

SCALE 1"=60'



DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH

ROY COOPER
GOVERNOR

MANDY COHEN, MD, MPH
SECRETARY

DANIEL STALEY
DIRECTOR

COMMON FORM FOR ENGINEERED OPTION PERMIT
See Instructions for Use in Appendix A

Except for "Date received", this Section to be completed by the Professional Engineer licensed in accordance with G.S. 89C

LHD USE ONLY: Initial submittal of this NOI received: _____ by _____
Date Initials

PART 1: Notice of Intent to Construct (NOI)

- [X] New [] Expansion
[] Repair - LHD Permit Number _____ [] Repair - EOP Permit Number _____

1. Facility Owner's name: (Owner, Company Name, Utility, Partnership, Individual, etc.): _____
MICHAEL DENNING

Mailing address: 1316 NC 242 S City: BENSON State: NC Zip: 27504
Telephone number: 919-796-7739 E-mail Address: JOHNSONBUILDINGCOMPANY@GMAIL.COM

2. Professional Engineer (PE) name: ATHAN M PARKER, PE License number: 43250
Mailing address: PO BOX 4580 City: EMERALD ISLE State: NC Zip: 28594
Telephone number: 919-795-9594 E-mail Address: ATHAN.PARKER@AMPDENGINEERING.COM

3. Licensed Soil Scientist (LSS) name: HAYWOOD PITTMAN, LLS License number: 1262
Mailing address: 1073-1 GREGORY FORK RD City: RICHLANDS State: NC Zip: 28574
Telephone number: 910-324-2892 E-mail Address: PITTMANSOIL@YAHOO.COM

4. Licensed Geologist (LG) (if applicable) name: _____ License Number: _____
Mailing address: _____ City: _____ State: _____ Zip: _____
Telephone number: _____ E-mail Address: _____

5. On-site Wastewater Contractor name: AVILA CONSTRUCTION, LLC License number: 1917
PO BOX 2853 SMITHFIELD 27577
Mailing address: 1073-1 GREGORY FORK RD City: RICHLANDS State: NC Zip: 28574
919-320-3507 AVILA CONSTRUCTION 06@GMAIL.COM
Telephone number: 910-324-2892 E-mail Address: PITTMANSOIL@YAHOO.COM

6. Proof of Errors and Omissions or other appropriate liability insurance for the following persons is attached
that includes the name of the insurer, name of the insured and the effective dates of coverage:

- [X] PE [X] LSS [] LG [X] On-site Wastewater Contractor

