

**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>3/3/23</u> by <u>OT</u> |
| Date Initials                                                                           |
| Date of Post-construction Conference: _____                                             |


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, PE 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).


  
Digitally signed by ATHAN M. PARKER  
PE  
DN: cn=ATHAN M. PARKER, PE, c=US, o=AMP'D ENGINEERING, PLLC, email=ATHAN.PARKER@AMPDENGINEERING.COM  
 \_\_\_\_\_  
*Signature of Owner or Professional Engineer* *Date* 2023.03.01 16:08:23 -05'00'

**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*

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

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 3/9/23 via Email.  
*Date Email, FAX, USPS, Hand-delivered*

|                                                                             |                                                                |                              |
|-----------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------|
| <u>OLIVER TOLKSDORF</u><br><i>Print name of authorized Agent of the LHD</i> | <u>REHS</u><br><i>Signature of authorized Agent of the LHD</i> | <u>3/9/23</u><br><i>Date</i> |
|-----------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------|

**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.



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)

- New       Expansion  
 Repair – LHD Permit Number \_\_\_\_\_  Repair – EOP Permit Number \_\_\_\_\_

1. Facility Owner's name: (Owner, Company Name, Utility, Partnership, Individual, etc.): \_\_\_\_\_  
CARROLL CONSTRUCTION HOMES, INC  
~~XCESSIVE RISK DEVELOPMENT~~

Mailing address: 63 VERON COURT City: WILLOW SPRING State: NC Zip: 27592  
PO BOX 4580 City: EMERALD ISLE State: NC Zip: 28594

Telephone number: 919-410-5704 E-mail Address: CAMERON.ADAMS1087@GMAIL.COM  
919-795-9594 E-mail Address: ATHAN.PARKER@AMPDENGINEERING.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, LSS 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: HAYWOOD PITTMAN, LSS License number: 3825  
1340 TWO CLAUDE RD City: WILLOW SPRINGS State: NC Zip: 27592

Mailing address: 1073-1 GREGORY FORK RD City: RICHLANDS State: NC Zip: 28574

Telephone number: 919-625-7051 E-mail Address: TANORDAN@GMAIL.COM  
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:

- PE     LSS     LG     On-site Wastewater Contractor



Lot and Subdivision Lot 18 Haven

System Type 25% Reduction

Tank Size 1,000 gal Septic tank

Trench Info # Lines 3

Line Lengths 60'

Depth 18" + 20" TB

Installation Date 1-26-23

Final Inspection Date 1-26-23

Installer Signature *[Signature]*

Date 2-17-23



# AMP'd Engineering, PLLC

Civil Engineer – Consulting Engineer – Land Development

PO Box 4580

Emerald Isle, NC 28594

(252) 777-0141 ✦ [athan.parker@ampdengineering.com](mailto:athan.parker@ampdengineering.com)

Firm License Number P-1532

**CERTIFICATION LETTER**

**March 1, 2023**

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

**Ref: Haven- Lot 18 EOP  
417 Placid Pond Dr.  
Broadway, 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 SFD21 10-0043 on January 19, 2023. Gene's Backhoe, the on-site wastewater contractor as permitted installed 3-60' 25% Reduction (revised to 3-bedroom, reduction taken, EZ Flow), Type IIIg, lines with 18-20" TB. The system appeared to be in the location permitted on the site plan by Pittman Soil Consulting. This letter also acts as written request to waive the "post-construction conference" requirement as stated in G.S. 130A-336.1(j).

If you have any questions, please feel free to give me a call (252) 777-0141 or email me ([athan.parker@ampdengineering.com](mailto:athan.parker@ampdengineering.com)).

Sincerely,



Digitally signed by ATHAN M. PARKER  
PE  
DN: cn=ATHAN M. PARKER, PE, c=US, o=AMP'D ENGINEERING, PLLC,  
email=ATHAN.PARKER@AMP'DENGINEERING.COM  
Date: 2023.03.01 16:07:34 -05'00'



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

Attch: Owner's acceptance of the system, ATO Sheet, Septic Standards, As-Built and On-site Wastewater Contractors statement & Insurance

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Civil Engineer – Consulting Engineer – Land Development

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Emerald Isle, NC 28594  
(252) 777-0141 ✦ [athan.parker@ampdengineering.com](mailto:athan.parker@ampdengineering.com)  
Firm License Number P-1532

**ACCEPTANCE LETTER**  
February 1, 2023

**To:** Carroll Construction Homes, Inc (the "Owner")  
63 Veron Ct.  
Willow Spring, NC 27592

**Ref:** Haven- Lot 18 EOP  
417 Placid Pond Dr.  
Broadway, Harnett County, NC

Dear Carroll Construction Homes, Inc,

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 SFD2110-0043 on January 19, 2023. Gene's Backhoe, the on-site wastewater contractor as permitted installed 3-60' 25% Reduction (revised to 3-bedroom, reduction taken, EZ Flow), Type IIIg, lines with 18-20" TB. 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. This letter also acts as an agreement by the owner to waive the "post-construction conference" requirement as stated in G.S. 130A-336.1(j). 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 (252) 777-0141 or email me ([athan.parker@ampdengineering.com](mailto:athan.parker@ampdengineering.com)).

Sincerely,

  
Digitally signed by ATHAN M. PARKER  
DN: cn=ATHAN M. PARKER, o=AMP'D ENGINEERING, PLLC,  
email=ATHAN.PARKER@AMP'DENGINEERING.COM  
Date: 2023.02.01 13:48:50 -05'00'

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



# AMP'd Engineering, PLLC

Civil Engineer – Consulting Engineer – Land Development

Owner: Harold G. Carroll, Jr.  
Print Name

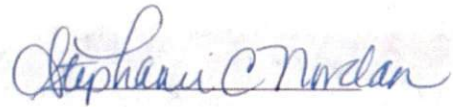
  
Sign Name

2/2/23  
Date

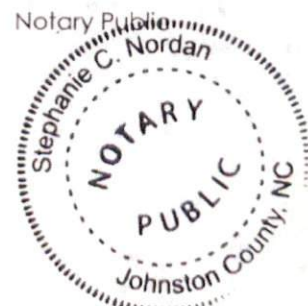
North Carolina

Johnston County

I, Stephanie C. Nordan, a Notary Public for said County and State, do hereby  
certify that Harold G. Carroll, Jr. personally appeared before me this day and  
acknowledged the due execution of the page 1 of 2 "Acceptance Letter" from the PE.  
Witness my hand and official seal, this the 2<sup>nd</sup> day of February, 2023.



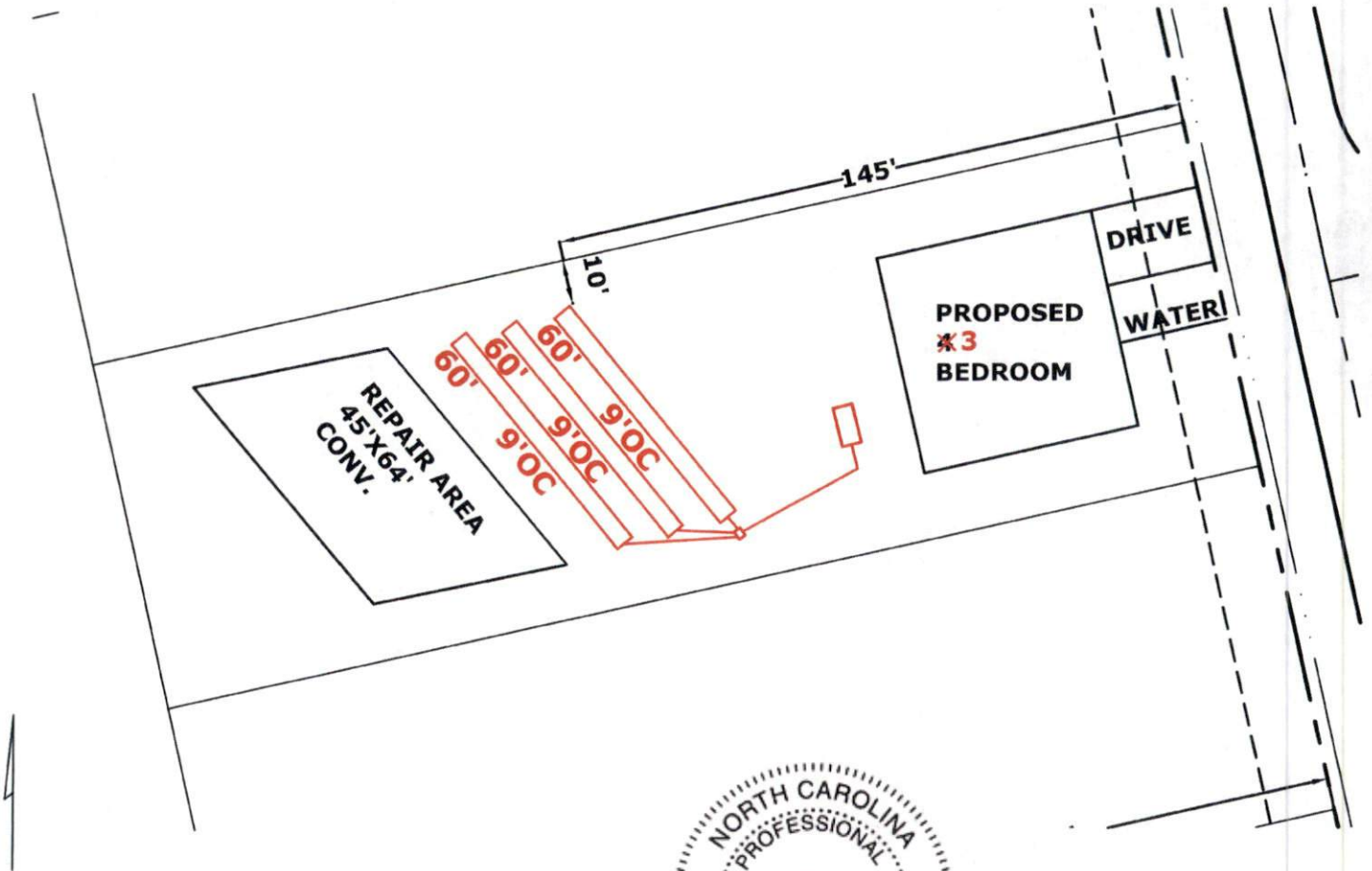
My commission expires August 25, 2025.



Owner: HAVEN S/D  
 Address: LOT 18  
 Location: PLACID POND DRIVE

**PITTMAN SOIL CONSULTING**  
**PO BOX 1387**  
**RICHLANDS, NC 28574**  
**910-330-2784**  
[pittmansoil@yahoo.com](mailto:pittmansoil@yahoo.com)

LOT INFORMATION OBTAINED FROM PLAT BY STANCIL AND ASSOCIATES FOR XCESSIVE RISK DEVELOPMENT.



*Athani M. Parker*

Digitally signed by ATHANI M. PARKER  
 DN: cn=ATHANI M. PARKER, o=US, ou=AMPD ENGINEERING, email=ATHANI.PARKER@AMPDENGINEERING.COM, Date=2023.03.08 18:07:53 -0500



**INITIAL**  
~~4-BEDROOM~~ **3 BEDROOM**  
 LTAR .5 ~~3-60'~~ **25% REDUCTION (EZ FLOW)**  
~~5-64' CONVENTIONAL~~  
 18-20" TB  
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

**REPAIR AREA**  
~~4-BEDROOM~~ **3 BEDROOM**  
 LTAR .5  
~~4-60'~~ **5-64' CONVENTIONAL**  
 18-20" TB  
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

SCALE 1"=40'



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Firm License Number P-1532

## Ref: AMP'D Engineering, PLLC Septic Standards

To Whom It May Concern,

Due to unforeseen negligence by previous owners and contractors regarding the Engineered Option Permit ("EOP") process and installation, the following standards have been adopted by AMP'D Engineering, PLLC and are to be strictly followed. If these standards are not followed, AMP'D Engineering, PLLC has the right to void all warranties related to engineering work involved with these EOPs.

- Engineer shall approve septic installer prior to installation.
- Engineer shall be notified at a minimum of 48 hours prior to septic installation.
- No vehicles, equipment, structures, debris, or any other items that may compact the soils or damage the septic lines allowed on the septic location before or after installation. Equipment only allowed over the septic area by a certified septic installer to backfill and grade the septic area after installation.
- All systems are to have a minimum of 6" cover over the system and five feet beyond the system. Only approved soil to be used as cover.
- After installation, the area should be graded to shed water. All drainage should be diverted away from septic area and tanks.
- All drip systems to have a minimum of 12" cover over the system and five feet beyond the system. Only group I soil allowed over system with a cap of topsoil to promote growth of groundcover.
- Groundcover is to be established over every system within 14 days after installation.
- Orange safety fencing with T-Posts to be used to surround the system after installation to prevent any unqualified individuals from entering septic area.

If you have any questions, please feel free to give me a call (252) 777-0141 or email me ([athan.parker@ampdengineering.com](mailto:athan.parker@ampdengineering.com)).

Sincerely,



Digitally signed by ATHAN M. PARKER  
PE  
DN: cn=ATHAN M. PARKER, PE, c=US, o=AMP'D ENGINEERING, PLLC,  
email=ATHAN.PARKER@AMPDENGINEERING.COM  
Date: 2023.03.01 16:08:07 -0500

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

