

AMP'd Engineering, PLLC

Civil Engineer – Consulting Engineer – Land Development

PO Box 4580

Emerald Isle, NC 28594

(252) 777-0141 ✦ athan.parker@ampdengineering.com

Firm License Number P-1532

CERTIFICATION LETTER

March 14, 2024

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


**Ref: Haven- Lot 22 EOP
477 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 SFD-2109-0018 on February 1, 2024. Gene's Backhoe, the on-site wastewater contractor installed 3-75' 25% reduction lines (EZ Flow, reduction taken), Type IIIg, with 12-18" TB. The system was revised to a 3 bedroom (360 GPD) system as shown in as built. 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).

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: 2024.03.14 12:57:12 -04'00'

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



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

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OWNER'S ACCEPTANCE LETTER February 8, 2024

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

Ref: Haven- Lot 22 EOP
477 Placid Pond Dr.
Broadway, Harnett County, NC

Dear Carroll Construction Homes, Inc.,

Please be aware that this letter **does not** act as a certification letter for the above referenced project, but solely acts as the owner's acceptance of the system. The engineer of record will not be held responsible for any Authorization To Operate (ATO) or Certificate of Occupancy (CO) issued without the engineer's certification.

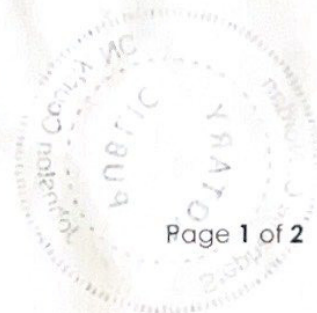
This letter is to inform you that as a duly licensed registered Professional Engineer in the State of North Carolina, license number 43250, I have inspected the installation of the Engineered Option Permit of the LHD Referenced project SFD-2109-0018 on February 1, 2024. Gene's Backhoe, the on-site wastewater contractor installed 3-75' 25% reduction lines (EZ Flow, reduction taken), Type IIIg, with 12-18" TB. The system was revised to a 3 bedroom (360 GPD) system as shown in as built. 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).

Sincerely,

Signature of Athan M. Parker, PE
On production of Harnett County Health Department
AMP'd Engineering, PLLC
athan.parker@ampdengineering.com
See State Board 13-107-1032

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 [Signature] 2/9/24
Print Name Sign Name Date

North Carolina

Johnston County

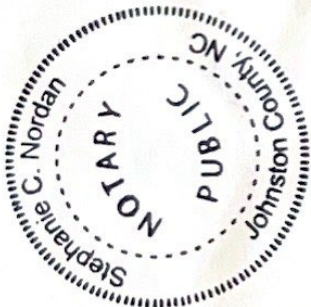
I, Stephanie C Nordan a Notary Public for said County and State, do hereby
certify that Harold G Carroll, Jr personally appeared before me this day and
acknowledged the due execution of the page 1 of 2 "Acceptance Letter" from the PE.

Witness my hand and official seal, this the 9th day of February, 2024

[Signature]

Notary Public

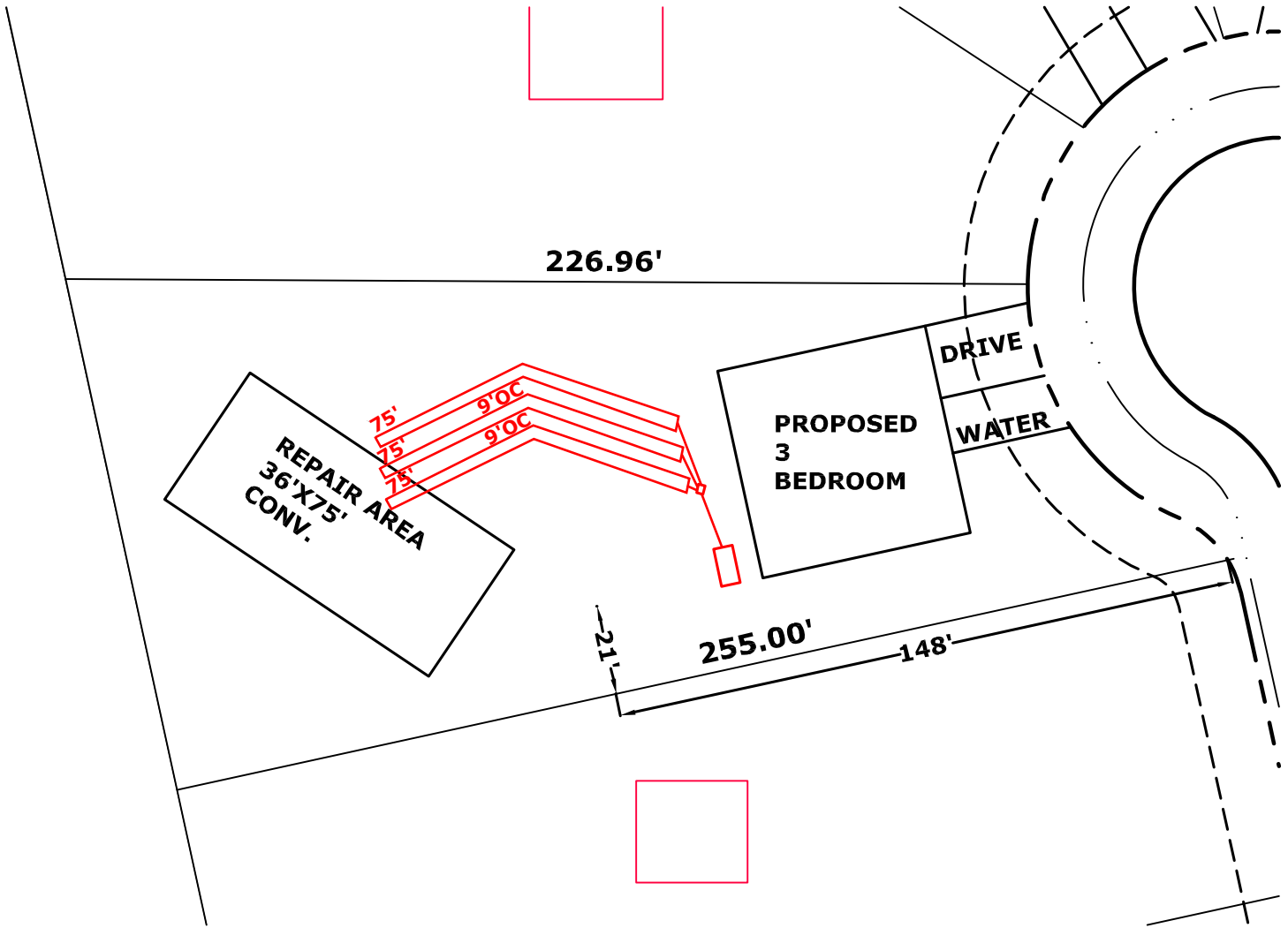
My commission expires August 25, 2025



Owner: HAVEN S/D
 Address: LOT 22
 Location: PLACID POND DRIVE

PITTMAN SOIL CONSULTING
PO BOX 1387
RICHLANDS, NC 28574
910-330-2784
pittmansoil@yahoo.com

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



INITIAL
 3 BEDROOM
 LTAR .4
 4-75' CONVENTIONAL
 12-18" TB
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

REPAIR AREA
 3 BEDROOM
 LTAR .4
 4-75' CONVENTIONAL
 12-18" TB
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

3-75' 25% REDUCTION LINES (REDUCTION TAKEN)

APPROX SCALE 1"=40'

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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 6" 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.
- Refer to online resources for proper management and maintenance of a septic system.

Refer to the websites listed:

- <https://content.ces.ncsu.edu/septic-system-owners-guide>
- <https://content.ces.ncsu.edu/septic-systems-and-their-maintenance>

If you have any questions, please feel free to give me a call (252) 777-0141 or email me (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: 2024.03.14 12:58:54 -0400

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



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: _____ by _____
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).

Signature of Owner or Professional Engineer  Digitally signed by Athan M. Parker, PE
DN: cn=Athan M. Parker, PE, c=US,
o=AMPD Engineering, PLLC,
email=athan.parker@ampdengineering.com
Date: 2024.03.14 12:39:07 -0400 _____
Date

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

Print name of authorized Agent of the LHD Signature of authorized Agent of the LHD Date

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 _____ via _____
Date Email, FAX, USPS, Hand-delivered

Print name of authorized Agent of the LHD Signature of authorized Agent of the LHD Date

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.



NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
HELEN WOLSTENHOLME • Interim Deputy Secretary for Health
MARK T. BENTON • Assistant Secretary for Public Health
Division of Public Health

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) - Please check all that apply

[X] Single System or [] Multiple Systems

AND

[X] New [] Expansion [] Relocation of all or part of the Existing System [] Relocation of Repair Area

[] Repair - LHD Permit Number _____ [] Repair - EOP/LSS COVID 19/AOWE 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 WILLOW SPRING 27592
8754 REED DR STE 14 City: EMERALD ISLE State: NC Zip: 28594

Telephone number: 919-410-5704 E-mail Address: CAMERON.ADAMS1087@GMAIL.COM
252-777-0141 ATHAN.PARKER@AMPENGINEERING.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@AMPENGINEERING.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 WILLOW SPRINGS 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 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

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Raleigh, NC 27609
MAILING ADDRESS: 1642 Mail Service Center, Raleigh, NC 27699-1642
www.ncdhhs.gov • TEL: 919-707-5874 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



6712 NC Hwy 50 N. Benson, NC 27504

Tanordan@gmail.com

Lot, Subdivision, Address Lot 22 Haven

System Type 25% Reduction (ez-flow)

Tank Size 1,000 gallon

System Info 3x75 ez-flow @ 12"-18" TB

Installation Date 2-7-2024

Final Inspection Date 2-7-2024

Installer Signature and Certification # 

Date 3-8-2024

