

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

June 27, 2023

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

**Ref: Haven- Lot 50 EOP
107 Harmony Trl
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 SFD2208-0081 on June 2, 2023. Gene's Backhoe, the on-site wastewater contractor installed 4-60' 25% Reduction (EZ Flow) Type IIIg, lines with 12-16" 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, o=AMP'D
ENGINEERING, PLLC
email=ATHAN.PARKER@AMPDENGINEERING.COM
Date: 2023.06.27 10:21:45 -0400



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

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

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ACCEPTANCE LETTER
June 8, 2023

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

Ref: Haven- Lot 50 EOP
107 Harmony Trl
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 SFD2208-0081 on June 2, 2023. Gene's Backhoe, the on-site wastewater contractor installed 4-60' 25% Reduction (EZ Flow) Type IIIg, lines with 12-16" 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,



Digitally signed by ATHAN M. PARKER
DN: cn=ATHAN M. PARKER, PE, o=
US, ou=AMP'D ENGINEERING, PLLC,
email=ATHAN.PARKER@AMPDENGINEERING.COM
Date: 2023.06.08 15:28:34 -0400



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

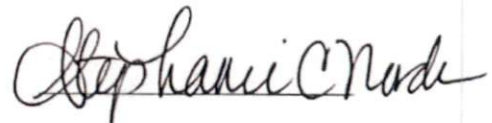
6/12/23
Date

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 12th day of June, 2023.





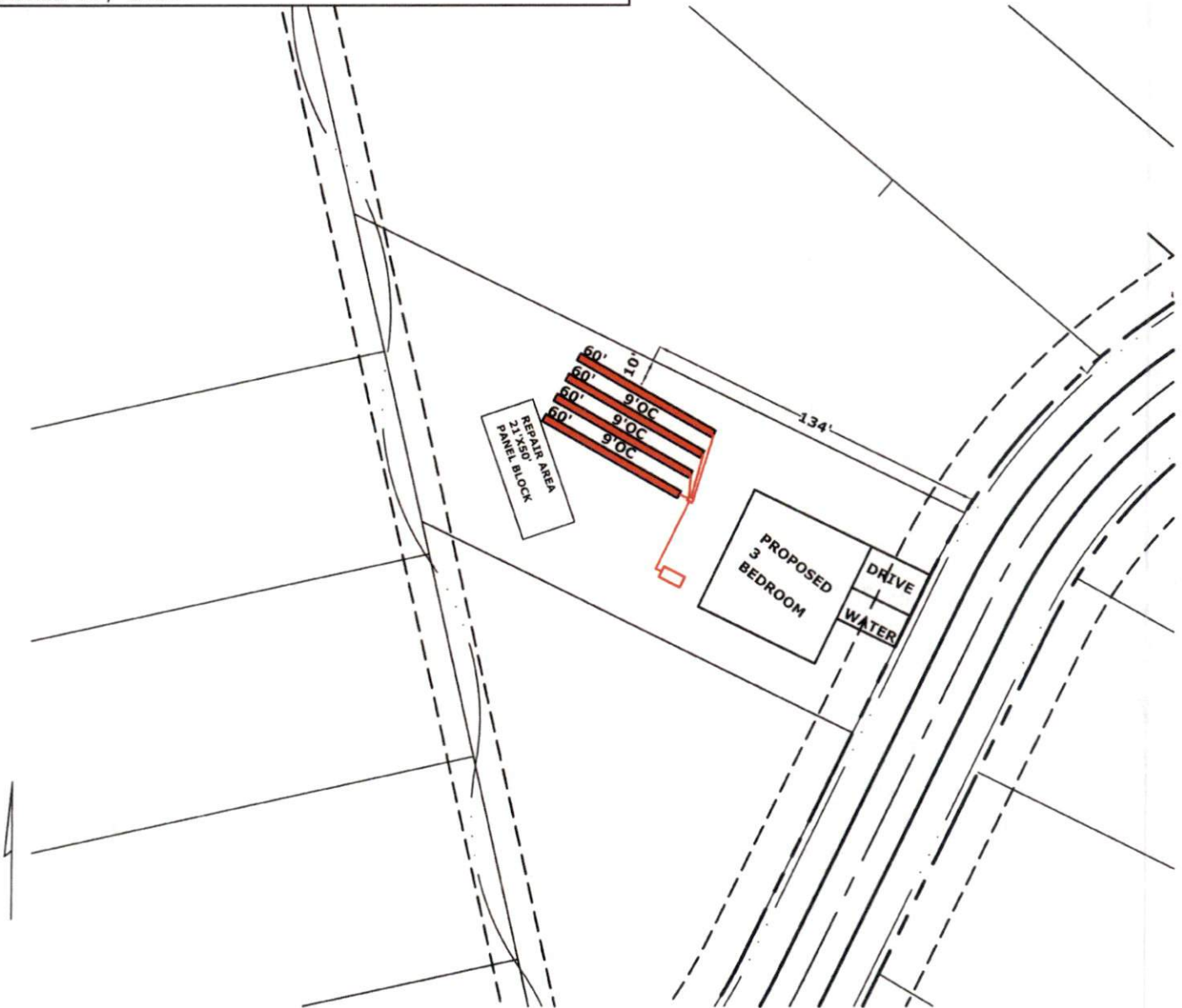
Notary Public

My commission expires August 25, 2025.

Owner: HAVEN S/D
 Address: LOT 50
 Location: PLACID POND DRIVE

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

LOT INFORMATION OBTAINED VIA PLAT BY STANCIL AND ASSOCIATES FOR XCESSIVE RISK DEVELOPMENT, DATED APRIL 27, 2019.



INITIAL
 3 BEDROOM
 LTAR .4
 4-60' 25% REDUCTION LINES
 12-16" TB
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

REPAIR AREA
 3 BEDROOM
 LTAR .4
 3-50' PANEL BLOCK LINES
 14" TB
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM



Handwritten signature



SCALE 1"=60'

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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 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).

Sincerely,



Digitally signed by ATHAN M. PARKER, PE
DN: cn=ATHAN M. PARKER, PE, o=AMP'D
ENGINEERING, PLLC
email=ATHAN.PARKER@AMPDENGINEERING.COM
Date: 2023.06.27 10:22:14 -0400

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





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

Single System or Multiple Systems

AND

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

Mailing address: 63 VERON COURT City: WILLOW SPRING State: NC Zip: 27592

Telephone number: 919-410-5704 E-mail Address: CAMERON.ADAMS1087@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, 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 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

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



Lot and Subdivision Haven Lot 50

System Type 25% Reduction Ee-flow

Tank Size 1000 gallon

Trench Info # Lines 4
Line Lengths 60'
Depth 16" TB

Installation Date June 2 2023

Final Inspection Date June 2 2023

Installer Signature [Signature]

Date June 19 2023

