LHD Reference: 5502209-005)

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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.

AMP'd Engineering, PLLC

Civil Engineer - Consulting Engineer - Land Development

> CERTIFICATION LETTER September 11, 2023

To: Mr. Oliver Tolksdorf, REHS

Environmental Health Supervisor Harnett County Health Dept 307 W Cornelius Harnett Blvd Lillington, NC 27546

Ref: Haven- Lot 52 EOP

135 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 SFD-2209-0051 on August 25, 2023. Gene's Backhoe, the onsite wastewater contractor installed 5-60' 25% reduction lines (EZ Flow), Type Illg, with 12-24" 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,

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

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

OWNER'S ACCEPTANCE LETTER
August 29, 2023

To: Carroll Construction Homes, Inc (the "Owner")

63 Veron Ct.

Willow Spring, NC 27592

Ref: Haven- Lot 52 EOP

135 Harmony Trl

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-2209-0051 on August 25, 2023. Gene's Backhoe, the on-site wastewater contractor installed 5-60' 25% reduction lines (EZ Flow), Type IIIg, with 12-24" 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).

AN M. PAR

Sincerely,

Athan M Parker, PE

President

AMP'd Engineering, PLLC

Firm License No. P-1532

ALE

Page 1 of 2

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

Owner: Harold G. Carroll, Jr. Print Name Sign Name	9/1/23 Date
North Carolina	
<u>Johnston</u> County	
I. <u>Stephanie C. Nordan</u> , a Notary Public for said County of	and State, do hereby
certify that <u>Harold G. Carroll, Jr.</u> personally appeare	ed before me this day and
acknowledged the due execution of the page 1 of 2 "Accept	ptance Letter" from the PE.
Witness my hand and official seal, this the 15th day of Sep	tember 2023
	Atephani Mudar Notary Public
My commission expires <u>August 25</u> , 20 <u>25</u>	ARY ARY

PITTMAN SOIL CONSULTING Owner: HAVEN S/D PO BOX 1387 Address: LOT 52 **RICHLANDS, NC 28574 Location: 135 HARMONY TRAIL** 910-330-2784 LOT INFORMATION OBTAINED FROM PLAT BY pittmansoil@yahoo.com STANCIL AND ASSOCIATES FOR XCESSIVE RISK DEVELOPMENT. X258.48 REPAIR AREA 30'X60' AREA ANAEROBIC DRIP INITIAL 3 BEDROOM LTAR.3 LTAR .3 EZ FLOW 5-60'4-75' 25% REDUCTION LINES 12-24" TB >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM REPAIR AREA SEAL 3 BEDROOM LTAR .2 30'X60' ANAEROBIC DRIP LINES >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

AMP'd Engineering, PLLC

Civil Engineer - Consulting Engineer - Land Development

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,

Athan M Parker, PE President

AMP'd Engineering, PLLC Firm License No. P-1532

M. P



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									
PART 1: Notice of Intent to Construct (NOI) - Please check all that apply									
AND									
∑ New									
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									
63 VERON COURT WILLOW SPRING 275 Mailing address: 8754 REED DR STE 14 City: EMERALD ISLE State: NC Zip: 285									
919-410-5704 CAMERON.ADAMS1087@GMAIL.COM Telephone number: 252-777-0141 E-mail Address: ATHAN.PARKER@AMPDENGINEERING									
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.									
3. Licensed Soil Scientist (LSS) name: HAYWOOD PITTMAN, LSS License number: 1262									
Mailing address: 1073-1 GREGORY FORK RD City: RICHLANDS State: NC Zip: 285									
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:									
GENE'S BACKHOE 3795 5. On-Site Wastewater Contractor name: HAYWOOD PITTMAN, LSS License number: 3825									
Mailing address: 1340 TWO CLAUDE RD WILLOW SPRINGS 275 Milling address: City: RICHLANDS State: NC Zip: 285									
919-625-7051 TANORDAN@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:									
☐ PE ☐ LG ☐ On-site Wastewater Contractor									

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES ullet 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



6712 NC Hwy 50 N. Benson, NC 27504

Tanordan@gmail.com

Lot, Subdivision, Address Lot S2 Haven
System Type 25% Reduction
Tank Size 1,000 gallon Softic tank.
System Info 5-60' ezflow drain line
Installation Date Aug 25, 2023
Final Inspection Date Aus 25, 2023 Installer Signature and Certification #
Installer Signature and Certification # Date Aug 31-2023.
Date 1107

GENES-3

OP ID: CP

CERTIFICATE OF LIABILITY INSURANCE

ACORD

DATE (MM/DD/YYYY) 03/01/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on

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31	N Du	nn Street	icy					PHONE (A/C, No, Ext): 91	9-63	9-4400	FAX (A/C, No):	
		wer 1780 NC 27501-1780						E-MAIL ADDRESS:					
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INS	URED	Backhoe Service	. Inc					INSURER B:					
1134	0 IW	o Claude Road						INSURER C :					
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											PERSONAL & ADV INJURY	\$	1,000,000
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AMP'D ENGINEERING P.O. BOX 4580 EMERALD ISLE, NC 28594							SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE						
AC	ORD	25 (2016/03)						Tudor's Insu			ORD CORPORATION.	All rie	ghts reserved