PART 3:	Authorization to Operate (ATO)	
Except for date r	eceived, the Section below is to be completed by the Owner or by the PE designate the EOP.	d to act as their legal representative fo
LHD USE ONL	Y: Initial submittal of request for ATO received:	by
	Date of Post-construction Conference:	initials
a. Signed and a. Signed b. Drawing c. Report d. Mana e. On-sit f. Signed a. Notarized attestation by ATHAN Print name of Own HARN.	tems are included in this submittal for an Authorization to Operate disealed copy of the Engineer's report that includes: disealed evaluation of soil conditions and site features ings, specifications, plans its on special inspections and final inspection gement Program manual its Wastewater Contractor's signed statement disealed statement pursuant to 15A NCAC 18A .1938(h) inplicable) letter documenting Owner's acceptance of the system from the PE of the Owner or the PE for Authorization to Operate M. PARKER, PE hereby attest that all items indicated there or Professional Engineer ETT County LHD and the system shall meet applicable federal	X Yes N X Yes
	les and ordinances in accordance with G.S. 130A-3361(e)(6). Digital Agriculty ATHAMA PARKER, PC. Digital Agriculty ATHA	
Signature	of Owner or Professional Engineer #" Date	
	This section for LHD Use Only.	
Based upo	Trequired information for the ATO ETE on review of information submitted by the Owner or PE in the Section the information required for an Authorization to Operate for an Signed form were sent to the design PE and the Owner on Date	
Print name of a	uthorized Agent of the LHD Signature of authorized Agent of the LH	ID Date
	E on review of information submitted by the Owner or PE in the Section hereby issued in accordance with G.S. 130A-336.1(m).	on above, this Authorization to
A copy of this of JAMES E	Manhan Turpers American was sent to the State	on 7-3-23 via Email, FAX, USPS, Hand-deliver

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
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 20 EOP

445 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 SFD2110-0045 on June 6, 2023. Gene's Backhoe, the on-site wastewater contractor installed 3-60' 25% Reduction (EZ Flow, reduction taken) Type Illg, lines with 18-20" 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

ACCEPTANCE LETTER
June 8, 2023

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

63 Veron Ct.

Willow Spring, NC 27592

Ref: Haven- Lot 20 EOP

445 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 SFD2110-0045 on June 6, 2023. Gene's Backhoe, the on-site wastewater contractor installed 3-60' 25% Reduction (EZ Flow, reduction taken) Type Illg, lines with 18-20" 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,

DR. OWATHANIM. PARKER PE C-LISE G-MAPTO ENGINEERING. PLLC ORIGINATION PARKER FIG. AMPCENCESTERING COM Date 2023.06.06 15:24:51 -0430

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. 6/12/23 Print Name Sign Name Date
North Carolina
Johnston County
I, <u>Stephanie C. Nordan</u> , 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.
PUBLIC Of ARY ARY Ohnston Country Notary Public
My commission expires <u>August 25</u> , 20 <u>25</u> .

Owner: HAVEN S/D

LOT 20 Address:

Location: PLACID POND DRIVE

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

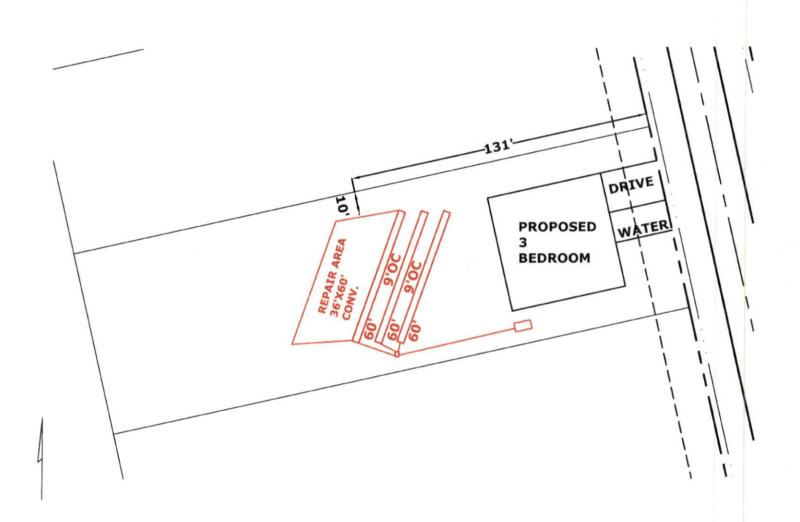
PITTMAN SOIL CONSULTING

PO BOX 1387

RICHLANDS, NC 28574

910-330-2784

pittmansoil@yahoo.com







INITIAL

LTAR .5

3 BEDROOM 3-60' 25% REDUCTION LINES

LTAR .5 (EZ FLOW) 4 60' CONVENTIONAL

18-20" TB

>6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

REPAIR AREA

3 BEDROOM

LTAR .5

4-60' CONVENTIONAL

18-20" TB

>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



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							
PART 1: Notice of Intent to Construct (NOI)							
X New Expansion							
Repair – LHD Permit Number Repair – EOP Permit Number							
 Facility Owner's name: (Owner, Company Name, Utility, Partnership, Individual, etc.):							
Mailing address: 63 VERON COURT City: WILLOW SPRING 27592 State: NC Zip: 28594 CAMERON.ADAMS1087@GMAIL.COM							
919-410-5704 CAMERON.ADAMS1087@GMAIL.COM Telephone number: 919-795-9594 E-mail Address: ATHAN.PARKER@AMPDENGINEERING.CO							
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:							
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 SPRING 27592 City: RICHLANDS State: NC Zip:28574							
Tanordan@gmail.com Telephone number: 919-625-7051 E-mail Address: Tanordan@gmail.com 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							

WWW.NCDHHS.GOV
TEL 919-707-5874 • FAX 919-845-3972
LOCATION: 5605 SIX FORKS RD • RALEIGH, NC 27609
MAILING ADDRESS: 1642 MAIL SERVICE CENTER • RALEIGH, NC 27699-1642
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



Lot and Subdivision Haven Lot 20
System Type 25% Reduction FZ-FION
Tank Size 1000 Gallon
Trench Info # Lines 3
Depth 184 to 2011 TO
Installation Date May 26, 2023
Installer Signature De January 26 , 2023
Date June 19, 2023

GENES-3

OP ID: CP



CERTIFICATE OF LIABILITY INSURANCE

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 BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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 this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER

919-639-4400

CONTACT Tudor's Insurance Agency

1 N Dunn Street

FAX

(ACC No.)

PRODUCER	919-639-4400	CONTACT Tudor's Insurance Agend	CONTACT Tudor's Insurance Agency			
Tudor's Insurance Agency 31 N Dunn Street		PHONE (A/C, No, Ext): 919-639-4400	FAX (A/C, No):			
P O Drawer 1780 Angier, NC 27501-1780 Tudor's Insurance Agency		E-MAIL ADDRESS:				
		INSURER(S) AFFORDING C	OVERAGE	NAIC #		
5505 A55		INSURER A : Builders Mutual Insurar				
INSURED Gene's Backhoe Service, Inc. 1340 Two Claude Road		INSURER B:				
		INSURER C :				
Willow Spring, NC 27592		INSURER D :				
		INSURER E :				
		INSURER F:				
COVERACES	CERTIFICATE NUMBER.	DEVI	NON NUMBER.			

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS

CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR		TYPE OF INSURANCE	ADDL S	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP	LIMIT	S	
Α	Х	COMMERCIAL GENERAL LIABILITY				1		EACH OCCURRENCE	\$	1,000,000
		CLAIMS-MADE X OCCUR			PCP0003947	03/01/2023	03/01/2024	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	100,000
								MED EXP (Any one person)	\$	5,000
								PERSONAL & ADV INJURY	\$	1,000,000
	GEN	N'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	2,000,000
		POLICY PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$	2,000,000
		OTHER:							\$	
Α	AUT	TOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
	X ANY AUTO		00/01/2020 00	03/01/2024	BODILY INJURY (Per person)	\$				
		OWNED SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$	
		HIRED NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
									\$	
Α	X	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	\$	1,000,000
		EXCESS LIAB CLAIMS-MADE			MUB0005864	03/01/2023	03/01/2024	AGGREGATE	s	
		DED X RETENTION\$ 10000							s	
Α	WOF	RKERS COMPENSATION EMPLOYERS' LIABILITY						PER OTH-	-	
	ANY	PROPRIETOR/PARTNER/EXECUTIVE			WCP1057498	03/01/2023	03/01/2024	E.L. EACH ACCIDENT	\$	500,000
	OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		ED?				E.L. DISEASE - EA EMPLOYEE		500,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT		500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

TYLER NORDAN AND JEAN CARROLL ARE EXCLUDED ON THE WORKER'S COMPENSATION POLICY.

JOB DESCRIPTION: SEPTIC TANK INSTALLATION

CERTIFICATE HOLDER		CANCELLATION		
	AMPDENG	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.		
EMERALD ISLE, NC 20594		AUTHORIZED REPRESENTATIVE Tudor's Insurance Agency		