PART 3:	Authorization to Operate	(ATO)			
Except for date re	ceived, the Section below is to be o	completed by the Owner or the EOP.	by the PE designated to a	act as their legal represer	ntative for
LHD USE ONLY	: Initial submittal of reque	st for ATO received: _		by	
	Date of Post-constructio	n Conference:	Date	Initials	
1. Signed and a. Signed b. Drawin c. Report d. Manag e. On-site f. Signed 2. Fee (as app 3. Notarized I Attestation by I, ATHAN Print name of Owner HARNE regulations, rule	ems are included in this sub sealed copy of the Engineer and sealed evaluation of so ags, specifications, plans so on special inspections and gement Program manual we Wastewater Contractor's so and sealed statement pursu	mittal for an Authorizar's report that includes il conditions and site for final inspection igned statement uant to 15A NCAC 18A acceptance of the system continuation to Operate the hereby attest that all the system shall meet at the system shall meet at the condition of	eatures .1938(h) tem from the PE items indicated above applicable federal, St 361(e)(6).		No No No No No
	owner or Projessional Engineer		Dute		
		This section for LHD Use	Only.		
INCOMPLE Based upor missing fro	required information for the TE n review of information subr m the information required gned form were sent to the	nitted by the Owner o for an Authorization to	o Operate for an EOP		
Print name of au	thorized Agent of the LHD	Signature of author	ized Agent of the LHD		Date
COMPLETE Based upon Operate is A copy of this co		mitted by the Owner of with G.S. 130A-336.1	r PE in the Section ab (m).	-3.23 via ENLA	ITL.

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 19 EOP 431 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 SFD2110-0044 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 19 EOP

431 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 SFD2110-0044 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,

PE INVATION IN PARKET PE OUTS INVATION IN PARKET PE OUTS INVATION PARKET PE OUTS INVATION PLLC INNEL ATTACK PARKET PE OUTS INVATION PARKET PE OUTS INVATION PARKET PE OUTS INVATION PARKET PARK

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 Nam		6/12/23 Date
North Carolina			
Johnston County			
I. Stephanie C. Nordan , a Notar	y Public for said Cour	nty and State, do	hereby
certify that Harold G. Carroll, Jr.	personally appe	eared before me	this day and
acknowledged the due execution o	of the page 1 of 2 "Ac	cceptance Lette	r" from the PE.
Witness my hand and official seal, th	is the 12th day of J	une	_, 20 <u>23</u>
O Sonns	Nordan Managara	Notar	<u>Lii Mar</u> dan y Public
My commission expires Aug	gust 25 , 20	025.	

Owner: HAVEN S/D

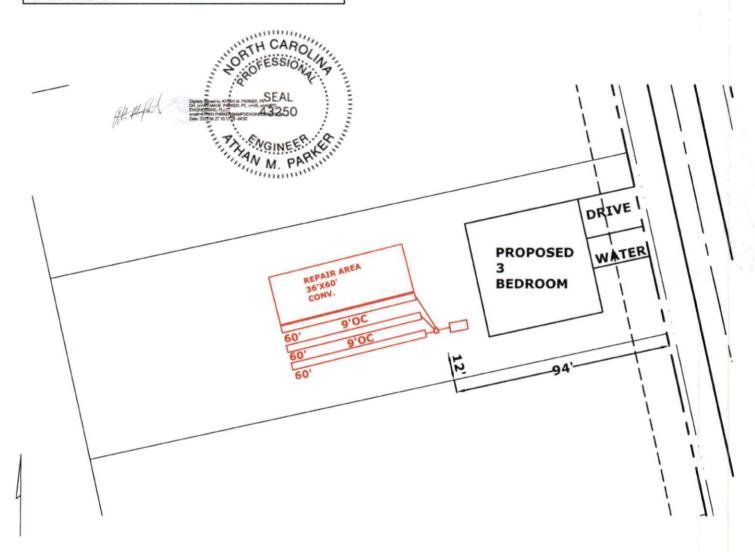
Address: LOT 19

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

3 BEDROOM 3-60' 25% REDUCTION LTAR .5 LINES (EZ FLOW) 4 60' CONVNENTIONAL

4 69' CONVNENTION

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

REPAIR AREA

3 BEDROOM LTAR .5 4-60' CONVNENTIONAL 18-20" TB >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

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

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 receive	/ed:t	by				
	Date	Initials				
PART 1: Notice of Intent to Construct (NOI)						
X New Expansion						
Repair – LHD Permit Number	Repair – EOP Permit Numb	er				
1. Facility Owner's name: (Owner, Company Nam CARROLL CONSTRUCTION HOMES, INC XCESSIVE RISK DEVELOPMENT	ne, Utility, Partnership, Individu	val, etc.):				
Mailing address: 63 VERON COURT PO BOX 4580 919-410-5704	City: WILLOW SPRI	NG 27592 E State: NC Zip: 28594				
919-410-5704 Telephone number: 919-795-9594	F-mail Address: ATHAN P	N.ADAMS1087@GMAIL.COM				
2. Professional Engineer (PE) name: ATHAN M	Service of the servic					
Mailing address: PO BOX 4580		S-SANGER FINANCIA A STREAMY THE PROPERTY OF THE SANGER STREAM STR				
Telephone number: 919-795-9594						
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: PITTMANS	OIL@YAHOO.COM				
4. Licensed Geologist (LG) (if applicable) name: _	L	icense Number:				
Mailing address:						
Telephone number:	E-mail Address:					
 On-site Wastewater Contractor name: HAYW 	OOD PITTMAN, LSS	License number: 3825				
1340 TWO CLAUDE RD Mailing address: 1073-1 GREGORY FORK RE	WILLOW SPR City: RICHLANDS	ING 27592 State: NC Zip: 28574				
919-625-7051 Telephone number: 910-324-2892	TANORDA E-mail Address: <u>PITTMANS</u>	AN@GMAIL.COM SOIL@YAHOO.COM				
6. Proof of Errors and Omissions or other approp						
that includes the name of the insurer, name of	f the insured and the effective	dates of coverage:				
X PE X LSS LG X 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 19
System Type 25% Reduction EZ-Fbw
Tank Size 1,000 95 NON
Trench Info #Lines 3
Depth 18"- 20" TB
Installation Date May 26, Bu &3
Final inspection Date May 36, 2023
Installer Signature
Date June 19 2023

GENES-3

OP ID: CP

ACORD

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.

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

th	SUBROGATION IS WAIVED, subject his certificate does not confer rights t	o the	cert	ificate holder in lieu of su	ich endorsement	(s).		A 310	atoment on
PRODUCER 919-639-4400 Tudor's Insurance Agency 31 N Dunn Street P O Drawer 1780				CONTACT Tudor's Insurance Agency PHONE (A/C, No, Ext): 919-639-4400 FAX (A/C, No): E-MAIL					
									Ang
Tud	or's Insurance Agency				INSURER(S) AFFORDING COVERAGE				NAIC #
					INSURER A : Build	lers Mutual II	nsurance Co		
3en	JRED le's Backhoe Service, Inc.				INSURER B :				
34	0 Two Claude Road ow Spring, NC 27592				INSURER C:				
• • • • • • • • • • • • • • • • • • • •	ow opinig, no 27002				INSURER D :				
					INSURER E :				1
					INSURER F:				
		_		E NUMBER:			REVISION NUMBER:		-
C	HIS IS TO CERTIFY THAT THE POLICIES IDICATED. NOTWITHSTANDING ANY RE ERTIFICATE MAY BE ISSUED OR MAY XCLUSIONS AND CONDITIONS OF SUCH	PERT POLIC	EME AIN, CIES.	NT, TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE	OF ANY CONTRA ED BY THE POLIC BEEN REDUCED I	CT OR OTHER CIES DESCRIBE BY PAID CLAIMS	DOCUMENT WITH RESPECT TO	CT TO V	VHICH THIS
NSR	TYPE OF INSURANCE	ADDL INSD	SUBR	POLICY NUMBER	POLICY EF	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
Α	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	\$	1,000,000
	CLAIMS-MADE X OCCUR			PCP0003947	03/01/20	23 03/01/2024	DAMAGE TO BENTED	s	100,000
							MED EXP (Any one person)	\$	5,000
							PERSONAL & ADV INJURY	s	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	s	2,000,000
	POLICY PRO- LOC						PRODUCTS - COMP/OP AGG	s	2,000,000
	OTHER:						7.1000010 OCIMI101 7100	s	
Α	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	s	1,000,000
	X ANY AUTO			PCA0021090	03/01/20	23 03/01/2024		s	
	OWNED SCHEDULED AUTOS ONLY			0.0000000000000000000000000000000000000			BODILY INJURY (Per accident)	\$	
	HIRED NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	s	
	AUTOS ONLY						(Fel accident)	s	
Α	X UMBRELLA LIAB X OCCUR					-	EACH OCCURRENCE	s	1,000,000
	EXCESS LIAB CLAIMS-MADE			MUB0005864	03/01/20	23 03/01/2024	AGGREGATE	s	
	DED X RETENTION \$ 10000						AGOREGATE	6	
Α	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER OTH-	-	
	AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE	WCP1057498		WCP1057498	03/01/2023	23 03/01/2024	E.L. EACH ACCIDENT	s	500,000
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A	N/A				E.L. DISEASE - EA EMPLOYEE		500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	e	500,000
	DESCRIPTION OF OPERATIONS DEIOW						E.L. DISEASE - POLICY LIMIT	\$	
TYL	CRIPTION OF OPERATIONS / LOCATIONS / VEHICL LER NORDAN AND JEAN CARROLLICY.								
				TION					
OE	B DESCRIPTION: SEPTIC TANK IN	ISTA	LLA	ATION					
CE	RTIFICATE HOLDER				CANCELLATIO	N			
	AMP'D ENGINEERING P.O. BOX 4580			AMPDENG	THE EXPIRAT	ON DATE TH	DESCRIBED POLICIES BE CA EREOF, NOTICE WILL E CY PROVISIONS.		
	EMERALD ISLE, NC 2859	4			AUTHORIZED REPRE Tudor's Insura				