Permit #:	
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ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes:	(a2) Improvement Permit	(a2) Construction Authorization	Fee \$
	IMPROVEM	IENT PERMIT FOR G.S. 130A-335	5(a2)
County:			
PIN/Lot Identifier:			
Issued To:			
Subdivision (if applical	ble)	Lot #:	Block: Section:
LSS Report Provided:	Yes No No		
If yes, name and licens	se number of LSS:		
New 🗌	Expansion	System Relocation	Change of Use
Proposed Structure: _			
Number of bedrooms:	Number of Occupants:	Other:	
Design Wastewater St	rength: domestic	high strength industri	al process
Proposed Design Daily	Flow:GPD	Proposed LTAR (Initial): Pr	oposed LTAR (Repair):
Proposed Wastewater	System Type*:	(Initial) Pump Req	uired: Yes No May be required
Proposed Wastewater	System Type*:	(Repair) Pump Req	uired: Yes No May be required
*Please include system	n classification for proposed wastev	water system types in accordance with 15A	NCAC 18A .1961 Table V(a)
Saprolite System (initia	al): 🗌 Yes 🔲 No Saprolit	e System (repair): 🗌 Yes 🔲 No	
Fill System (Initial):	Yes No If yes, specify: Ne	ew Existing (when adding more than 6	inches of fill to system area provide a fill plan)
Fill System (repair):	Yes No If yes, specify: Ne	ew Existing (when adding more than 6	inches of fill to system area provide a fill plan)
Usable Soil Depth (Init	cial): Usable S	Soil Depth (Repair):	
Max. Trench Depth (In	nitial)‡: Max. Tr	ench Depth (Repair)‡: ‡	Measured on the downhill side of the trench
Artificial Drainage Req	juired: Yes No If yes, pleas	se specify details:	
Type of Water Supply:	Private well Public well	Shared well Municipal Supply	Spring Other:
Drainfield location me	ets requirements of Rule .1945: Ye	es 🔲 No 🔲 Drainfield location meets i	requirements of Rule .1950: Yes 🔲 No 🗌
Permit valid for: Fi	ve years [site plan submitted pursu	ant to GS 130A-334(13a)] 🔲 No expiratio	n [plat submitted pursuant to GS 130A-334(7a)
Permit conditions:			
Licensed Soil Scientist	Print Name:		
Licensed Soil Scientist	Signature:	ama ama	Date:

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

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



Permit #:

This Section for Local Health Department Use Only

	Initial submittal received:		by	
		Date	Initials	
G.S. 130A-335(a3) states the follow	ving:			
When an applicant for an Improvement Pedepartment, the common form developed within five business days of receiving the appearant includes all of the required component department to cure the deficiencies in the list is complete within five business days after act within any period set out in this subsect common form for use as the Improvement	by the Department, and a soil evaluation plication, conduct a completeness revents. If the local health department de some seed to complete the Improvement may over the local health of the local health department receives the local health department the failur	on pursuant to su view of the submit termines that the nt Permit. The app department shall he additional info	bsection (a2) of this section, t tal. A determination of comp Improvement Permit is incon Ilicant may submit additional make a final determination a rmation from the applicant. Ij	the local health department shall, leteness means that the Improvement aplete, the local health department information to the local health is to whether the Improvement Permit the local health department fails to
The review for completeness of th Permit is determined to be:	is Improvement Permit was co	nducted in ac	cordance with G.S. 130	4-335(a3). This Improvement
☐ Incomplete (If box is checked,	information in this section is r	equired.)		
The following items are missing:	5/0 4			A
Copies of this were sent to the LSS	and the Applicant on			_\\\
		Date		
State Authorized Agent:			Date	2:
☐ Complete	1 55//8			2 18
State Authorized Agent:			Date	j:
This Improvement Permit is issue attached here. The issuance of the permit holder is responsible for conto revocation if the site plan, plat ownership of the site. This permit Disposal and to the conditions of The Department, the Department any liabilities, duties, and responsevaluations, submittals, or action	his permit by the Health Depar hecking with appropriate gove , or the intended use changes t is subject to compliance with this permit. It's authorized agents, and the sibilities imposed by statute o	ertment in no werning bodies The Improventhe provision local health drin common I	yay guarantees the issuin meeting their requirement Permit shall not no of the Laws and Rule epartments shall be disaw from any claim aris	ance of other permits. The ements. This permit is subject be affected by a change in es for Sewage Treatment and scharged and released from ing out of or attributed to
Improvement Permit Expiration C	vate:			

See attached site sketch



Permit #:

Re-submittal of Improvement Permit

				
	LHD USE ONLY: This IP resubmittal received:	Date	by	
The following it	ems are being resubmitted pursuant to G.S. 130A-3350	(a3) for issuance	of the Improvement Permit:	
		200		
	STA	Trus	A.	
is accurate and o	hereby attest that cientist (Print Name) complete to the best of my knowledge and that the properties and complete to the best of my knowledge.		required to be included with ement Permit meets all appli	
Signature	e of Licensed Soil Scientist		Date	
I UD Follow u	The section below is for Local Health Department use on the Completeness Review of Improvement Pe		items noted as missing above.	
The review for c	ompleteness of this Improvement Permit re-submittaermit is determined to be:		in accordance with G.S. 130	A-335(a3). This
☐ Incomplete	(If box is checked, information in this section is requir	red.)		
The following ite	ems are missing:			
Copies of this we	ere sent to the LSS and the Applicant on			
State Authorized	d Agent:		Date:	
☐ Complete				
State Authorized	d Agent:		Date:	



Permit #:	
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CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County:
PIN/Lot Identifier:
Issued To:
Property Location:
AOWE/PE Plans/Evaluations Provided: Yes No If yes, name and license number of AOWE/PE:
Facility Type:
☐ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of Use
Basement?
Type of Wastewater System*(Initial)(Rep.
*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Design Daily Flow: GPD Wastewater Strength: domestic high strength industrial process
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies?
Installation Requirements/Conditions
Septic Tank Size: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center
Trench/Bed Width: inches LTAR: gpd/ft ²
Soil Cover: inches Slope Corrected Maximum Trench/Bed Depth [‡] : inches * Measured on the downhill side of the trench
Aggregate Depth:inches above pipeinches below pipeinches total
Pump Tank Size (if applicable): gallons Requires more than 1 pump? 🔲 Yes 🔲 No
Pump Requirements: ft. TDH vs GPM Grease Trap Size (if applicable): gallons
Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other:
Artificial Drainage Required: Yes No I If yes, please specify details:
Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)
Multi-party Agreement Required [.1937(h)]: Yes No
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: 🔲 Yes 🔲 No
Declaration of Restrictive Covenants: Yes No
Pre-Construction Conference Required: Yes No No
Conditions:
The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference
into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.
AOWE/PE Print Name: Expiration Date:
AOWE/PE Signature: Date:

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch



Permit #:

This Section for Local Health Department Use Only

	Initial submittal received:	by	
		Date	Initials
G.S. 130A-335(a5) states the following	_		
mprovement Permit and Construction All Department, and any necessary signed a singineer or a person certified pursuant to department shall, within five business dath the Construction Authorization or Improventeermines that the Construction Authorization of the components needed to conditional information to the local health Authorization. The local health department fails to act within any period apply for the building permit for the project of the pro	othorization application together, the period sealed plans or evaluations conducted particle 5 of Chapter 90A of the General ys of receiving the application, conduct a tement Permit and Construction Authorization or Improvement Permit and Consideration or Improvement Permit and Consideration or Improvement Permit and Consideration of Improvement Permit and Consideration as the shall make a final determination as to interest and the subsection, the applicant action of the decision of completeness of the permit of the local health department fair in pursuant to this subsection may requited Construction Authorization for cause. Let	rmit fee charged by the lood by a person licensed purson licensed purson licensed purson licensed purson licensed purson licensed purson licensed l	ntion together, submits a Construction Authorization, or an cal health department, the common form developed by the suant to Chapter 89C of the General Statutes as a licensed of On-Site Wastewater Evaluator, the local health the submittal. A determination of completeness means that required components. If the local health department the complete, the local health department shall notify the add Construction Authorization. The applicant may submit tion or Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health that as a determination of completeness. The applicant may ration or Improvement Permit and Construction ass days. The Authorized On-Site Wastewater Evaluator or repartment revoke or suspend the Construction as Authorized On-Site Wastewater Evaluator or licensed and Construction Authorization pursuant to G.S.
The review for completeness of t	this Construction Authorization v	was conducted in acc	ordance with G.S. 130A-335(a5). This
Construction Authorization is de	termined to be:		
☐ Incomplete (If box is checked	d, information in this section is re	equired.)	
The following items are missing:			
Copies of this were sent to the A	OWE/PE and the Applicant on _	Date	W 76 //
State Authorized Agent:			Date:
Complete	I levine	100	15/8
State Authorized Agent:	M M PRIL	12 1776	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision. The Department, the Department in liabilities, duties, and respondans, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater agents, and the local health department in the Statutes as a license agents, and the local health department in the statutes are said the local health department in the statutes are said the local health department in the statutes are said the local health department in the statutes are said the sai	n Authorization is subject to revaluation has affected by a change in the new and Rules for Sevent's authorized agents, and the insibilities imposed by statute or ion conference findings, submited engineer or a person certified Evaluator in GS 130A-335(a2), (ocation if the site plan ownership of the site wage Treatment and local health department in common law from tals, or actions from a pursuant to Article (a5), and (a7). The Dend bear liability for the	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The see. This Construction Authorization is subject Disposal and to the conditions of this permit. The shall be discharged and released from any claim arising out of or attributed to a person licensed pursuant to Chapter 89C of 5 of Chapter 90A of the General Statutes as an epartment, the Department's authorized their actions and evaluations and other pursuant to GS 130A-337.
Construction Authorization Expi	ration Date:		
	dia .		

See attached site sketch



Re-submittal of Construction Authorization

	LUDUSE ONLY: This CA resultmittal resolved.		by.	
	LHD USE ONLY: This CA resubmittal received:	Date	by Initials	
The following in	tems are being resubmitted pursuant to G.S. 130A-3	335(a5) for issuance of	of the Construction Authoriza	ation:
		A The San		
l,		hat the information re	equired to be included with	this re-submittal
is accurate and	nsite Wastewater Evaluator (Print Name) complete to the best of my knowledge and that th and local laws, regulations, rules, and ordinances.	e proposed Construct	tion Authorization meets all	applicable
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
I HD Follow-ı	The section below is for Local Health Department of Completeness Review of Construction		ems noted as missing above.	
The review for o	completeness of this Construction Authorization re on Authorization is determined to be:		ucted in accordance with G.S	5. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is req	uired.)		
The following it	ems are missing:			
	WIO 3SE OTHER	M VIDER		
Copies of this w	vere sent to the AOWE/PE and the Applicant on	Date	-	
State Authorize	d Agent:		Date:	
☐ Complete				
State Authorize	d Agent:		Date:	

Adams Soil Consulting, PLLC 1676 Mitchell Road Angier, NC 27501 919-414-6761

alexadams@bcsoil.com

August 25, 2023 Project #1623

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335 (a2), (a5), and (a6)"

"This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5)."

RE: Lot 42 Wellers Knoll (55 Van Winkle St.) Subdivision NC (Harnett County) for Davidson Homes

To whom it may concern:

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". From this evaluation, ASC is providing the attached 3-bedroom septic design.

The suitable soils found on the subject property were relatively consistent in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.

Please find the attached wastewater soil/site evaluation forms for specific soil properties found in the initial and repair areas as well as assigned soil long term acceptance rate (LTAR). Numerous soil borings were made throughout the property and representative soil profile descriptions for the primary septic field and repair area are provided. A location sketch for profile descriptions is also attached. The initial and primary septic fields were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the primary and repair (if needed) system on contour, see attached site plan for the primary system and repair locations. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and Johnston County regulations for septic system installation. The trenches must be installed in the same location as the site plan. If the installation is in question at the time of installation call me (Alex Adams) at 919-414-6761.

This report discusses the location of provisionally suitable soils identified on the property and does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime.

Sincerely,

Alex Adams

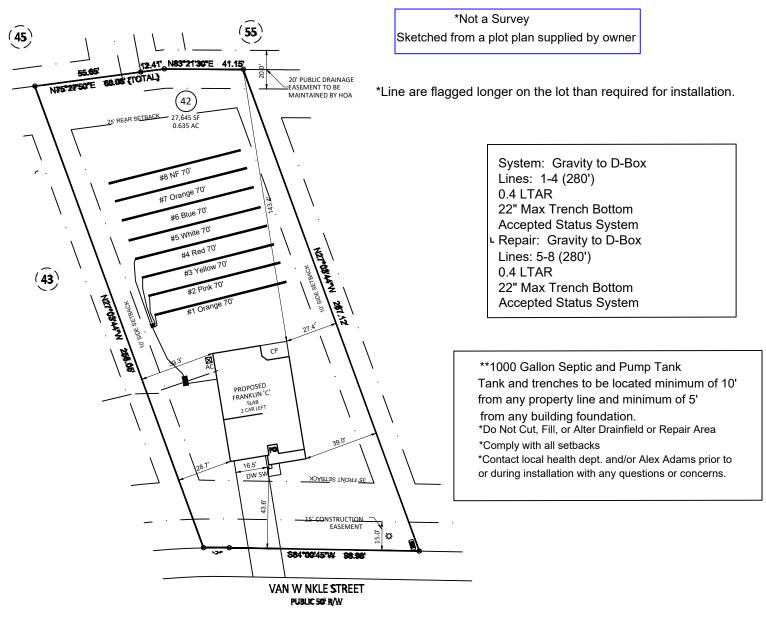
NC Licensed Soil Scientist #1247 AOWE Certification: 10021E



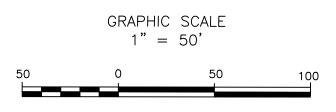


Wellers Knoll - Lot #42 3-Bedroom - Septic Design 55 Van Winkle St. - Lillington, NC Davidson Homes

Harnett County PIN: 0529-88-7331

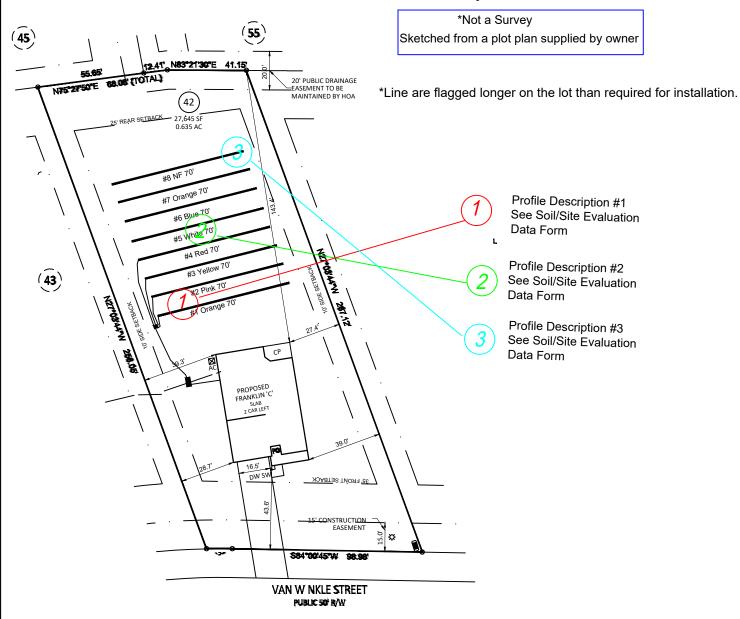


Adams
Soil Consulting
919-414-6761
Job #1623

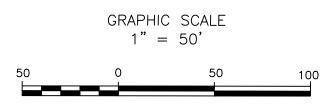


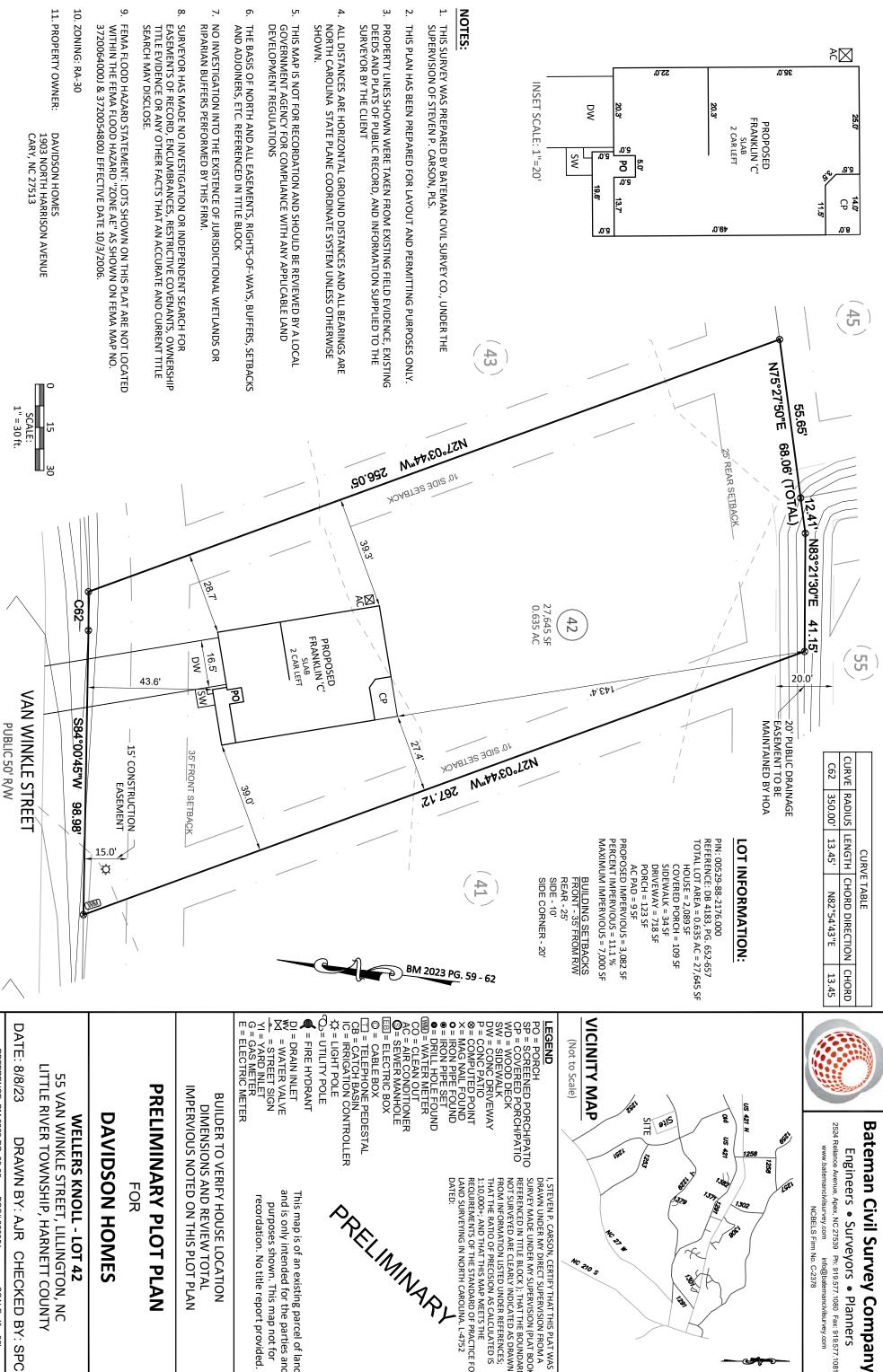
Wellers Knoll - Lot #42 Soil Boring Location Map 55 Van Winkle St. - Lillington, NC Davidson Homes

Harnett County PIN: 0529-88-7331



Adams
Soil Consulting
919-414-6761
Job #1623





I, STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK REFERENCED IN TITLE BLOCK); THAT THE BOUNDARIE NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN

NC 210 S

REQUIREMENTS OF THE STANDARD OF PRACTICE FOF LAND SURVEYING IN NORTH CAROLINA. L-4752

PREI MINARY E

FROM INFORMATION LISTED UNDER REFERENCES; THAT THE RATIO OF PRECISION AS CALCULATED IS

10,000+; AND THAT THIS MAP MEETS THE

Bateman Civil Survey Company

Engineers • Surveyors • Planners

www.batemancivilsurvey.com

NCBELS Firm No. C-2378

info@batemancivilsurvey.com

1258

PRELIMINARY PLOT PLAN FOR

and is only intended for the parties and

recordation. No title report provided. purposes shown. This map not for This map is of an existing parcel of land

WELLERS KNOLL - LOT 42

LITTLE RIVER TOWNSHIP, HARNETT COUNTY 55 VAN WINKLE STREET, LILLINGTON, NC

DRAWN BY: AJR CHECKED BY: SPC

REFERENCE: BM 2023 PG. 59-62 BCS# 230051 SCALE: 1" = 30'

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Davidson Homes

ADDRESS: 55 Van Winkle St.

PROPOSED FACILITY: Single Family, 3-bedroom PROPOSED DESIGN FLOW (.1949): 360gpd

APPLICATION DATE: DATE EVALUATED: 8-24-23

PROPERTY SIZE: ~.644 acres

LOCATION OF SITE: 55 Van Winkle St.

WATER SUPPLY: Public Water

EVALUATION METHOD: Auger Boring TYPE OF WASTEWATER: Sewage

	EVALUATION METHOD: Auger Boring TYPE OF WASTEWATER: Sewage										
P R O F I L E	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)		ORPHOLOGY (1941)							
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR		
1	Linear Slope/3%	0-16	GR/SL	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.4		
		15-36	SBK/SCL	FI/SEXP/SS							
2	Linear Slope/3%	0-18	GR/SL	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.4		
		14-36	SBK/SCL	FI/SEXP/SS							
					1						
3	Linear Slope/3%	0-20	GR/SL	FR/SEXP/NS	35"	N/A	N/A	N/A	PS/0.4		
		20-36	SBK/SCL	FI/SEXP/SS							
]						
4											
					_						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): SITE CLASSIFICATION (.1948): PS					
Available Space (.1945)	>5,000 ft ²	>5,000 ft ²						
System Type(s)	Type III (b) Type III (b)		EVALUATED BY:A. Adams OTHER(S) PRESENT:					
Site LTAR	0.4	0.4						

COMMENTS:



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/7/2023

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.

the terms and conditions of the policy, certificate holder in lieu of such endors	certaiı	n pol									
PRODUCER		-(-/-		CONTAC NAME:	CT Angela :	Sensenig					
Wade Associates, LLC	PHONE (252) 621 5260 FAX (252) 640 0442						-2443				
250 Pollock St.		(A/C, No. Ext): (252)631-5269 (A/C, No): (252)649-2443 E-MAIL ADDRESS: asensenig@wadeict.com									
				ADDRE						NAIC #	
New Bern NC 28	560			INSURER(S) AFFORDING COVERAGE INSURER A: Markel Insurance Company						38970	
INSURED	INSURER B:						30370				
Alex Adams, DBA: Adams Soil Cor		INSURER C:									
1676 Mitchell Rd.		-		INSURER D :							
	INSURER E :										
Angier NC 27		INSURER F:									
	RTIFICATE NUMBER: 23-24 Mast										
THIS IS TO CERTIFY THAT THE POLICIES O INDICATED. NOTWITHSTANDING ANY REQ CERTIFICATE MAY BE ISSUED OR MAY PER EXCLUSIONS AND CONDITIONS OF SUCH F	JIREM TAIN, T	ENT, THE II ES. LI	TERM OR CONDITION OF AN NSURANCE AFFORDED BY T IMITS SHOWN MAY HAVE BEI	Y CONT HE POL	TRACT OR OTH LICIES DESCRI LUCED BY PAID	HER DOCUMEI BED HEREIN I	NT WITH RESPEC	T TO WHI	CH THIS		
INSR LTR TYPE OF INSURANCE	INSD				POLICY EFF (MM/DD/YYYY)	(MM/DD/YYYY)		LIMIT	S		
COMMERCIAL GENERAL LIABILITY							EACH OCCURRENCE DAMAGE TO RENTE		\$		
CLAIMS-MADE OCCUR							PREMISES (Ea occu		\$		
							MED EXP (Any one	person)	\$		
							PERSONAL & ADV	INJURY	\$		
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGA	ATE	\$		
POLICY PRO- JECT LOC							PRODUCTS - COMP	P/OP AGG	\$		
OTHER:							COMBINED SINGLE	LIMIT	\$		
AUTOMOBILE LIABILITY							(Ea accident)		\$		
ANY AUTO ALL OWNED SCHEDULED							BODILY INJURY (Pe	. ,	\$		
AUTOS AUTOS NON-OWNED							BODILY INJURY (Pe	,	\$		
HIRED AUTOS AUTOS							(Per accident)	_	\$		
UMBRELLA LIAB OCCUIR									•		
I H OCCUR							EACH OCCURRENC	Œ	\$		
GLAIIVIO-IVIADE	-						AGGREGATE		\$		
DED RETENTION \$ WORKERS COMPENSATION							PER STATUTE	OTH- ER	\$		
AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE Y / N							E.L. EACH ACCIDEN	,	Φ.		
OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A						E.L. DISEASE - EA E		\$		
If yes, describe under							E.L. DISEASE - POLI		\$		
DÉSCRIPTION OF OPERATIONS below								ICT LIMIT	φ		
A Errors & Omissions MEO11:			MEO11181		1/31/2023	1/31/2024	General Aggregate			\$1,000,000	
						Each Occurrence			\$1,000,000		
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLE	S (ACC	DRD 10	11, Additional Remarks Schedule, m.	ay be atta	ached if more space	ce is required)					
CERTIFICATE HOLDER	CANCELLATION										
FOR INFORMATIONAL PURPOSES ONLY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					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						
					N Whitsett/RACHEL						