Permit #:	



**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 \$
IMPROVEN	IENT PERMIT FOR G.S. 130A-335(a2)
County:	
PIN/Lot Identifier:	
Issued To:	
Property Location:	
Subdivision (if applicable)	Lot #: Block: Section:
LSS Report Provided: Yes No No	
If yes, name and license number of LSS:	
New Expansion	System Relocation Change of Use
Proposed Structure:	
Number of bedrooms: Number of Occupants:	Other:
Design Wastewater Strength: 🔲 domestic	high strength industrial process
Proposed Design Daily Flow: GPD	Proposed LTAR (Initial): Proposed LTAR (Repair):
Proposed Wastewater System Type*:	(Initial) Pump Required: Yes No May be required
Proposed Wastewater System Type*:	(Repair) Pump Required: Yes No May be required
*Please include system classification for proposed wastev	vater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Saprolite System (initial): Yes No Saprolit	e System (repair): 🗌 Yes 🔲 No
Fill System (Initial): $\square$ Yes $\ \square$ No $\ $ If yes, specify: $\square$ Ne	w 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 (Initial): Usable S	Soil Depth (Repair):
Max. Trench Depth (Initial)‡: Max. Tr	ench Depth (Repair) <sup>‡</sup> : <sup>‡</sup> Measured on the downhill side of the trench
Artificial Drainage Required: 🗌 Yes 🔲 No 🏻 If yes, pleas	se specify details:
Type of Water Supply: Private well Public well	Shared well Municipal Supply Spring Other:
Drainfield location meets requirements of Rule .1945: Ye	No Drainfield location meets requirements of Rule .1950: Yes No No
Permit valid for: 🗌 Five years [site plan submitted pursu	ant to GS 130A-334(13a)] 🔲 No expiration [plat submitted pursuant to GS 130A-334(7a)
Permit conditions:	
Licensed Soil Scientist Print Name:	10ma
Licensed Soil Scientist Signature: NXXX NAW	VII VO' 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 #:	
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# This Section for Local Health Department Use Only

	Initial submittal received:		by		
		Date	Initials	_	
G.S. 130A-335(a3) states the follo	wing:				
When an applicant for an Improvement Padepartment, the common form developed within five business days of receiving the comport includes all of the required componers hall notify the applicant of the componers department to cure the deficiencies in the 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 evaluat pplication, conduct a completeness re ents. If the local health department de ts needed to complete the Improveme Improvement Permit. The local health the local health department receives t tion, the applicant may treat the failu	ion pursuant to su view of the submit etermines that the nt Permit. The app department shall i the additional infor	bsection (a2) of this s tal. A determination Improvement Permit Ilicant may submit ac make a final determi rmation from the app	ection, the local healt of completeness mea is incomplete, the loc Iditional information t nation as to whether t blicant. If the local hec	th department shall, ns that the Improvement al health department to the local health the Improvement Permit alth department fails to
The review for completeness of the Permit is determined to be:	nis Improvement Permit was co	onducted in acc	cordance with G.	S. 130A-335(a3).	This Improvement
☐ Incomplete (If box is checked	, information in this section is	required.)			
The following items are missing:					
8/ 4	7/25 1			FC W	
Copies of this were sent to the LS	S and the Applicant on	Date			
State Authorized Agent:				Date:	
☐ Complete	1 95//			121	
State Authorized Agent:		-1/-3	·4(1)	Date:	
This Improvement Permit is issue attached here. The issuance of t permit holder is responsible for o to revocation if the site plan, pla ownership of the site. This perm Disposal and to the conditions of	nis permit by the Health Depa hecking with appropriate gove t, or the intended use changes it is subject to compliance wit this permit. t's authorized agents, and the	rtment in no we erning bodies in The Improve th the provision	yay guarantees to in meeting their ement Permit sha ns of the Laws ar epartments shal	he issuance of ot requirements. Th all not be affected nd Rules for Sewa I be discharged a	her permits. The his permit is subject d by a change in nge Treatment and nd released from
any liabilities, duties, and respon evaluations, submittals, or action	• •		-	_	
Improvement Permit Expiration	Date:				

\*See attached site sketch\*



Permit #:
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# **Re-submittal of Improvement Permit**

_				
	LHD USE ONLY: This IP resubmittal received:		by	
	LITO OSE ONET. THIS IF TESUDITILIZAT TECEIVEU.	Date	by	
The following ite	ems are being resubmitted pursuant to G.S. 130A-3.	35(a3) for issuance of	of the Improvement Permit:	
	CT	ATE	<i>b</i>	
	9 5 141 31	THE OF	M	
l,		at the information r	equired to be included with	this re-submittal
is accurate and c	cientist (Print Name) complete to the best of my knowledge and that the aws, regulations, rules, and ordinances.	e proposed Improver	nent Permit meets all applic	able federal,
Signature	of Licensed Soil Scientist		Date	
	The section below is for Local Health Department us	se after submittal of it	ems noted as missing above.	
LHD Follow-u	p Completeness Review of Improvement	Permit		
	ompleteness of this Improvement Permit re-submi ermit is determined to be:	ttal was conducted i	n accordance with G.S. 130A	\-335(a3). This
☐ Incomplete	(If box is checked, information in this section is req	juired.)		
The following ite	ems are missing:			
		IVI V		
Copies of this we	ere sent to the LSS and the Applicant on	te		
State Authorized	Agent:		Date:	
☐ Complete				
State Authorized	Agent:		Date:	



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

County:
PIN/Lot Identifier:
ssued 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? Yes No Basement Fixtures? Yes No
Type of Wastewater System*(Initial)(Repa
*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? Yes No (if yes, please provide engineering documentation)
nstallation Requirements/Conditions
Septic Tank Size: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center
French/Bed Width: inches LTAR: gpd/ft²
Soil Cover: inches Slope Corrected Maximum Trench/Bed Depth <sup>‡</sup> : 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 If yes, please specify details:
<u>legal Agreements</u> (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)
Multi-party Agreement Required [.1937(h)]:
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]:
Declaration of Restrictive Covenants:
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
nto 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 #:	
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# This Section for Local Health Department Use Only

Initia	l submittal received:	by	
		Date	Initials
G.S. 130A-335(a5) states the following:			
mprovement Permit and Construction Authorization Department, and any necessary signed and sealed pargineer or a person certified pursuant to Article 5 of Department shall, within five business days of receivable Construction Authorization or Improvement Perdetermines that the Construction Authorization or Insplicant of the components needed to complete the additional information to the local health department shall make the components of the department shall make the project of the project upon the proper of the building permit for the project upon the formation by the local health department or if the department or if the construction or Improvement Permit and Construction to Improvement Permit and Construction or Improvement Permit and Construction of the construction of the project upon the formation or Improvement Permit and Construction is a proper or Improvement P	In application together, the per- plans or evaluations conducted of Chapter 90A of the General ring the application, conduct a mit and Construction Authoriza mprovement Permit and Const e Construction Authorization of the to cure the deficiencies in the after the local health department this subsection, the applicant re e decision of completeness of the local health department fail int to this subsection may requi- tion Authorization for cause. U	mit fee charged by the look by a person licensed pursestatutes as an Authorized completeness review of the action includes all of the restruction Authorization is in a large construction Authorization whether the Construction authorization are treceives the additional treat the failure to act within five businesest that the local health depon written request of the thorization or Improvement	the submittal. A determination of completeness means that required components. If the local health department incomplete, the local health department shall notify the and Construction Authorization. The applicant may submit ation or Improvement Permit and Construction in Authorization or Improvement Permit and Construction all information from the applicant. If the local health at as a determination of completeness. The applicant may ation or Improvement Permit and Construction is stays. The Authorized On-Site Wastewater Evaluator or
The review for completeness of this Cons	truction Authorization v	vas conducted in acc	ordance with G.S. 130A-335(a5). This
Construction Authorization is determined	I to be:		
☐ Incomplete (If box is checked, inform	ation in this section is re	equired.)	
The following items are missing:			
Copies of this were sent to the AOWE/PE	and the Applicant on	Date	AV 76 /
State Authorized Agent:			Date:
☐ Complete	Jack mile	- Carl 60	F/35/19
State Authorized Agent:	JPRIL.	12 1776	Date of Issuance:
attached here. This Construction Author Construction Authorization shall not be a co compliance with the provisions of the	ization is subject to revo affected by a change in Laws and Rules for Sev	ocation if the site pla ownership of the sit vage Treatment and	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.
any liabilities, duties, and responsibilitie plans, evaluations, preconstruction conf he General Statutes as a licensed engine	s imposed by statute or erence findings, submit eer or a person certified or in GS 130A-335(a2), ( s shall be responsible a	in common law from tals, or actions from pursuant to Article a5), and (a7). The Do nd bear liability for t	
Construction Authorization Expiration D	ate:		
	*See attacho	ed site sketch*	

G.S. 130A-335(a2) Common Form



Permit #:
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### **Re-submittal of Construction Authorization**

	LHD USE ONLY: This CA resubmittal received		b	
	LIND USE ONLY. THIS CATESUDHILLIAI TECEIVEU	Date	by Initials	
The following in	tems are being resubmitted pursuant to G.S. 130A	335(a5) for issuance o	of the Construction Authoriza	ation:
		A TOTAL		
l,		that 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 to and local laws, regulations, rules, and ordinances.		cion Authorization meets all	applicable
Signatur	e of Authorized On-Site Wastewater Evaluator		Date	
I HD Follow-ı	The section below is for Local Health Department		ems noted as missing above.	
The review for o	completeness of this Construction Authorization on Authorization is determined to be:		octed in accordance with G.S	i. 130A-335(a5).
☐ Incomplete (	(If box is checked, information in this section is re	quired.)		
The following it	ems are missing:			
	110 3c2 ON	AM VIDER	19	
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

July 10th, 2025

"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)"

RE: 77 Cultivator Ct. Angier NC 27501 (Harnett County) Tobacco Rd. Lot 108. Davidson Homes PIN # 0693-16-7698

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, State Subsurface Rules, 15ANCAC 18E. From this evaluation, ASC is providing the attached 4-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 480 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 local 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,

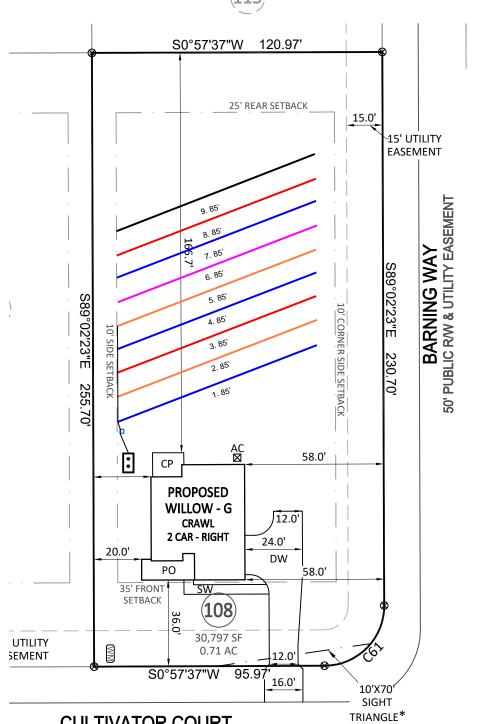
Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E





# **Tobacco Road** Lot 108 4 BR Harnett County



Adams

Soil Consulting

919-414-6761

**CULTIVATOR COURT** 

50' PUBLIC R/W & UTILITY EASEMENT

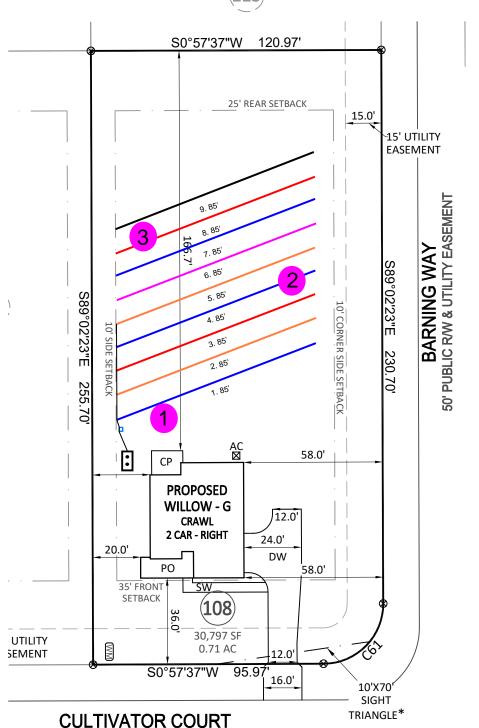
SCALE: 1" = 40 ft

- \*House footprint to be field staked by surveyor and system verified prior to any construction
- \*\*Septic area must not be altered by construction activities.
- \*No cuts of 2' or greater within within 15' of septic area
- \*\* Recommend protective barrier around septic field during construction.
  - \*If plumbing is not sufficient a pump tank will be required to septic field

#### **INITIAL:**

Lines 1-5 (425') **Accepted Status Gravity Parallel REPAIR:** Lines 6-9 (340') **PPBPS** Pressure Manifold

# Tobacco Road Lot 108 4 BR Harnett County



Adams

Soil Consulting

919-414-6761

50' PUBLIC R/W & UTILITY EASEMENT

SCALE:

\*House footprint to be field staked by surveyor and system verified prior to any construction

\*\*Septic area must not be altered by construction activities.

\*\*\*No cuts of 2' or greater within within 15' of septic area

\*\*\*\* Recommend protective barrier around septic field during construction.

\*If plumbing is not sufficient a pump tank will be required to septic field

#### **INITIAL:**

Lines 1-5 (425')
Accepted Status
Gravity Parallel
REPAIR:
Lines 6-9 (340')
PPBPS
Pressure Manifold

Page <u>1</u> of <u>1</u>
PROPERTY ID #: <u>0693-16-7698</u>
COUNTY: <u>Harnett</u>

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM (Complete all fields in full)

OWNER: _	Davidson Homes	(Comple	te all fields in full)		DATE EVALUATED	: _7/2/2025
ADDRESS:						
PROPOSEI	FACILITY: Single Family 4 BR	PROPOSED DESI	GN FLOW (.0400): _	480 gpd	PROPERTY SIZE:	.71 Acres
LOCATION	N OF SITE: 77 Cultivator Ct. Angier NO	27501			PROPERTY RECORDE	D:Y
WATER SU	JPPLY: 🗵 Public 🗆 Single Family W	ell	☐ Spring ☐ Othe	er	_ WATER SUPPLY SETB	ACK:
EVALUAT	ION METHOD: ☑ Auger Boring ☐ 1	Pit 🗌 Cut	TYPE OF WASTEV	WATER:	☐ Domestic ☐ High Streng	th 🗆 IPWW

	erritor ( METH	ob. Truge	I bornig - Pit		PE OF WASTE	· · · · · · · · · · · · · · · · · · ·	_ Bomest	- Ingn	buengui - 1	
P R O F I	SOIL MORPHOLOG		RPHOLOGY	OTHER PROFILE FACTORS						
L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
1	Linear 2%	0-18	GR/SL	VFR,SEXP,NS		34"	N.O	N.O	U/P.S .3	1"
		18-34	SBK SCL	FI,SEXP,S						
					7.5yr 7/2 @ 34"					
					₩ 0+					
2	Linear 2%	0-14	GR/SL	VFR,SEXP,NS		28"	N.O	N.O	U/P.S .3	1"
		14-28	SBK SCL	FI,SEXP,S	7 5 4 7/0					
					7.5yr 7/2 @ 28"					
3	Linear 2%	0-22	GR/SL	VFR,SEXP,NS		31"	N.O	N.O	U/P.S .3	1"
		22-31	SBK SCL	FI,SEXP,S	7.5yr 7/2					
					@ 31"					
4	Linear 2%									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	S	S	SITE CLASSIFICATION (.0509): U/P.S
System Type(s)	III G	III G	EVALUATED BY: Bobby Weaver/Alex Adams
Site LTAR	.3	.3	OTHER(S) PRESENT:
Maximum Trench Depth	14"	14"	
Comments:			

NCDHHS/DPH/EHS/OSWP Revised January 2024

