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 \$	
IMPROVEM	ENT PERMIT FOR G.S. 130A-3	35(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 indus	strial process	
Proposed Design Daily Flow: GPD	Proposed LTAR (Initial):	Proposed LTAR (Repa	air):
Proposed Wastewater System Type*:	(Initial) Pump F	Required: Yes	No May be required
Proposed Wastewater System Type*:	(Repair) Pump F	Required: 🗌 Yes 📗	No May be required
*Please include system classification for proposed wastew	rater system types in accordance with 15	5A NCAC 18A .1961 Ta	able V(a)
Saprolite System (initial): Yes No Saprolite	e System (repair): 🗌 Yes 📗 No		
Fill System (Initial): Yes No If yes, specify: New	w Existing (when adding more tha	n 6 inches of fill to sys	stem area provide a fill plan)
Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🔲 Ne	w Existing (when adding more tha	n 6 inches of fill to sys	stem area provide a fill plan)
Usable Soil Depth (Initial): Usable S	oil Depth (Repair):		
Max. Trench Depth (Initial) <sup>‡</sup> : Max. Tre	ench Depth (Repair)‡:	<sup>‡</sup> Measured on the d	downhill side of the trench
Artificial Drainage Required: 🔲 Yes 🔲 No If yes, please	e specify details:		
Type of Water Supply: Private well Public well	Shared well Municipal Supply	/ Spring (	Other:
Drainfield location meets requirements of Rule .1945: Yes	s No Drainfield location mee	ets requirements of Ru	ıle .1950: Yes 🔲 No 🗌
Permit valid for: 🔲 Five years [site plan submitted pursua	ant to GS 130A-334(13a)] 🔲 No expira	ition [plat submitted p	oursuant to GS 130A-334(7a)
Permit conditions:			
Licensed Soil Scientist Print Name:			
Licensed Soil Scientist Film Name.  Licensed Soil Scientist Signature:		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 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 submin termines that the nt Permit. The app department shall he additional info	bsection (a2) of this section, tal. A determination of com Improvement Permit is inco Vicant may submit additiona make a final determination o rmation from the applicant.	the local health department shall, oleteness means that the Improvemen mplete, the local health department il information to the local health as to whether the Improvement Permit fithe 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	A-335(a3). This Improvement
☐ Incomplete (If box is checked,	information in this section is r	equired.)		
The following items are missing:	5/6		198	N.
Copies of this were sent to the LSS		VZ 2	433	
		Date		
State Authorized Agent:	1 1 2 1 2		Dat	e:
☐ Complete	1 95//8			2 1/2
State Authorized Agent:		-1/-3	Dat	e:
This Improvement Permit is issue attached here. The issuance of the permit holder is responsible for coto 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 response valuations, 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. I's authorized agents, and the sibilities imposed by statute o	ertment in no verning bodies The Improventhe provision  local health derin common le	vay guarantees the issi in meeting their requi ement Permit shall not ns of the Laws and Rul epartments shall be di aw from any claim aris	uance of other permits. The rements. This permit is subject be affected by a change in es for Sewage Treatment and ischarged and released from sing out of or attributed to
Improvement Permit Expiration C	Pate:			

\*See attached site sketch\*



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

							$\neg$
	LHD USE ONLY:	This IP resubmittal rece	eived:	Date	by	Initials	
The following it	tems are being resub	omitted pursuant to G.S. 1	130A-335(a3) f	for issuance o	f the Improv	vement Permit:	
				THE STATE OF THE S			
		THE	SIAI	Eor	M		
is accurate and		hereby a her					n this re-submittal cable federal,
Signature	e of Licensed Soil Scientis	st			Date		
	The section below	w is for Local Health Depart	tment use after s	submittal of it	ems noted as	missing above.	
LHD Follow-u	p Completenes	s Review of Improve	ment Permi				
	completeness of this ermit is determined	s Improvement Permit re I to be:	e-submittal was	conducted i	n accordanc	e with G.S. 130	A-335(a3). This
☐ Incomplete	(If box is checked, i	nformation in this sectio	n is required.)				
The following ite	ems are missing:						
Copies of this w	ere sent to the LSS	and the Applicant on	Date	<del></del>			
State Authorized	d Agent:				D	ate:	
☐ Complete							
State Authorized	d Agent:				D	ate:	



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? Yes No Basement Fixtures? Yes No	
Type of Wastewater System*(Initial)(Rep	oair)
*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 <sup>2</sup>	
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:	
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:	
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	<del></del>
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: 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

	Initial submittal received:	b	, <del></del>
		Date	Initials
G.S. 130A-335(a5) states the follo	_		
mprovement Permit and Construction All Department, and any necessary signed and Ingineer or a person certified pursuant to department shall, within five business day the Construction Authorization or Improved the English of the Construction Authorization of the Construction Authority policant of the components needed to consider the Information to the local health Authorization. The local health department for the project of the building permit for the project of the English of the building permit for the project of the English of	athorization application together, the pend sealed plans or evaluations conducted of Article 5 of Chapter 90A of the General as of receiving the application, conduct of the General and Construction Authorization or Improvement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the Construction Authorization of the Authorization as to the Salah and the Authorization as to the Salah and the Authorization of the Authorization as to the Salah and the Authorization of the Incal health department for the Incal health department for pursuant to this subsection may required Construction Authorization for cause. It all suspend or revoke the Construction Authorization for cause.	rmit fee charged by the lo d by a person licensed pur. Statutes as an Authorized a completeness review of t ation includes all of the re truction Authorization is in or Improvement Permit and the Construction Authorization whether the Construction and treat the failure to act the Construction Authorization the Construction Authorization est that the local health a Upon written request of the uthorization or Improvem	ation together, submits a Construction Authorization, or an an acal 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 and construction Authorization. The applicant may submit and construction Authorization. The applicant may submit and construction or Improvement Permit and Construction and information from the applicant. If the local health ect as a determination of completeness. The applicant may reaction or Improvement Permit and Construction as a determination of completeness. The applicant may reaction or Improvement Permit and Construction ress days. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction are Authorized On-Site Wastewater Evaluator or licensed and Construction Authorization pursuant to G.S.
The review for completeness of t	his Construction Authorization v	was conducted in acc	cordance with G.S. 130A-335(a5). This
Construction Authorization is def	termined to be:		
☐ Incomplete (If box is checked	d, information in this section is r	equired.)	
The following items are missing:			
Copies of this were sent to the A	OWE/PE and the Applicant on _	Date	4V 76 //
State Authorized Agent:			Date:
☐ Complete	Florence .		
State Authorized Agent:	W ZPRIL	12 1776	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision of the Department, the Department in y liabilities, duties, and respondans, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater	n Authorization is subject to revious function and the affected by a change in most of the Laws 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), (artments shall be responsible a	ocation if the site pl ownership of the sit vage Treatment and local health departn r in common law fro tals, or actions from d pursuant to Article (a5), and (a7). The D nd bear liability for	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The te. This Construction Authorization is subject Disposal and to the conditions of this permit.  The enerts shall be discharged and released from many claim arising out of or attributed to a 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:		

\*See attached site sketch\*



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

	I HD LISE ONLY: T	his CA resubmittal resolved		by	
	LID OSE ONLY. II	his CA resubmittal received:	Date	by Initials	-
The following in	tems are being resubm	itted pursuant to G.S. 130A-33	55(a5) for issuance of	of the Construction Author	ization:
		CT	ATP	<i>h</i>	
l,			at the information re	equired to be included wit	th this re-submittal
is accurate and		(Print Name) of my knowledge and that the ons, rules, and ordinances.	proposed Construct	tion Authorization meets a	all applicable
Signatur	e of Authorized On-Site Wa	stewater Evaluator		Date	
	The section below is	s for Local Health Department use	e after submittal of it	ems noted as missing above.	
LHD Follow-ւ	ıp Completeness F	Review of Construction A	uthorization		
	completeness of this C on Authorization is det	Construction Authorization re-scermined to be:	submittal was condu	icted in accordance with G	i.S. 130A-335(a5).
☐ Incomplete (	If box is checked, info	rmation in this section is requi	red.)		
The following it	ems are missing:				
		TEST OUA	M VIDERLY		
Copies of this w	ere 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

May 16, 2025 Project #1215

"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: Tobacco Road Subdivision - Lot #90 –137 Cultivator Ct., Angier NC (Harnett County) for Davidson Homes (PIN#0693-16-8919)

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 18E. From this evaluation, ASC is providing the attached 480 gallon/day 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 Harnett 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.

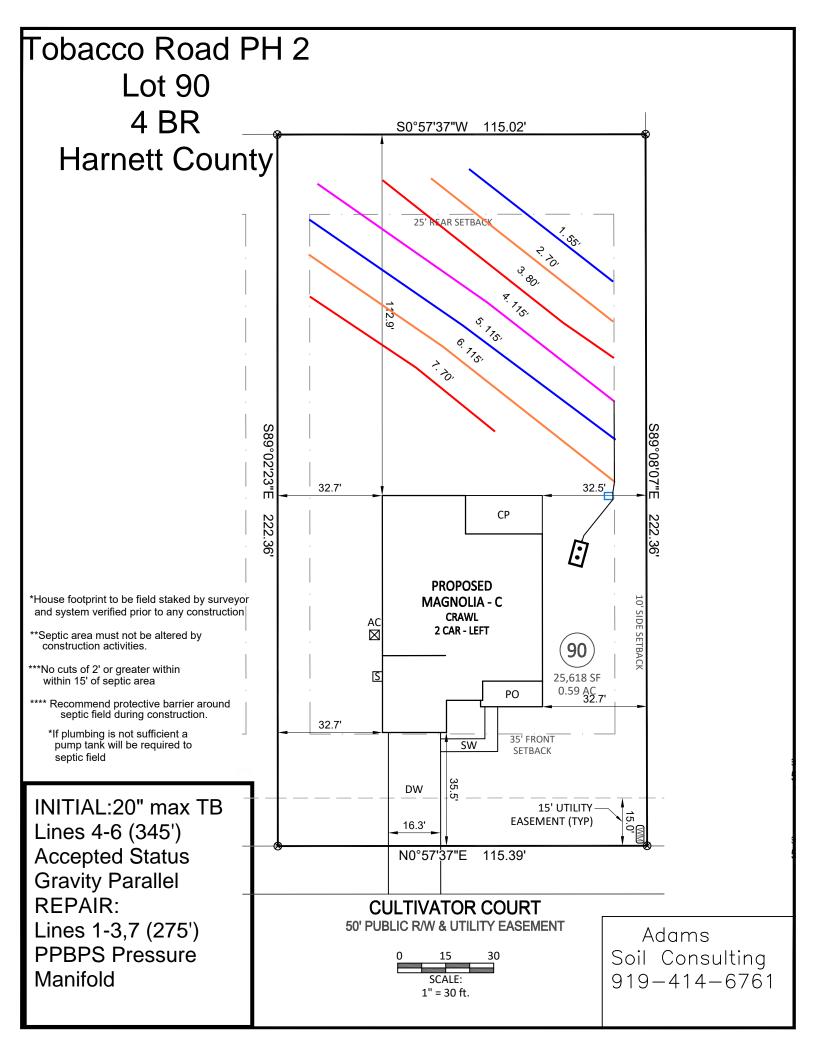
Sincerely,

Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E







Page <u>1</u> of <u>1</u> PROPERTY ID #: 0693-16-8919 COUNTY: Harnett

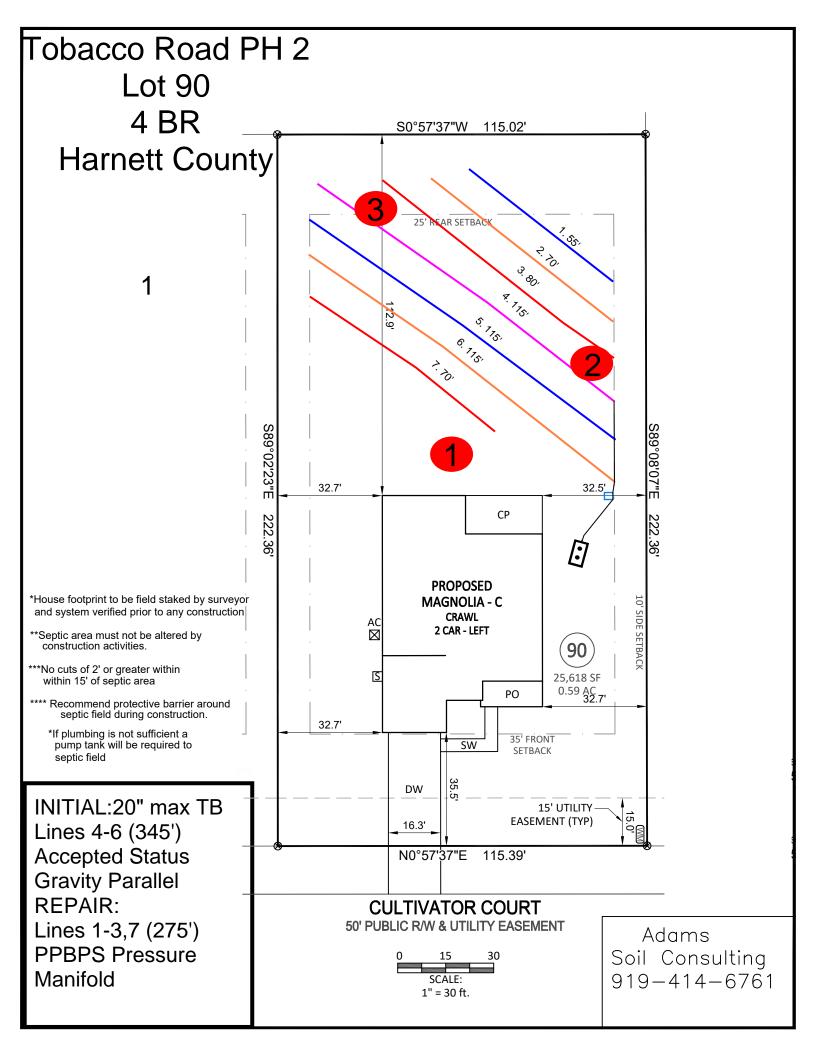
### SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM (Complete all fields in full)

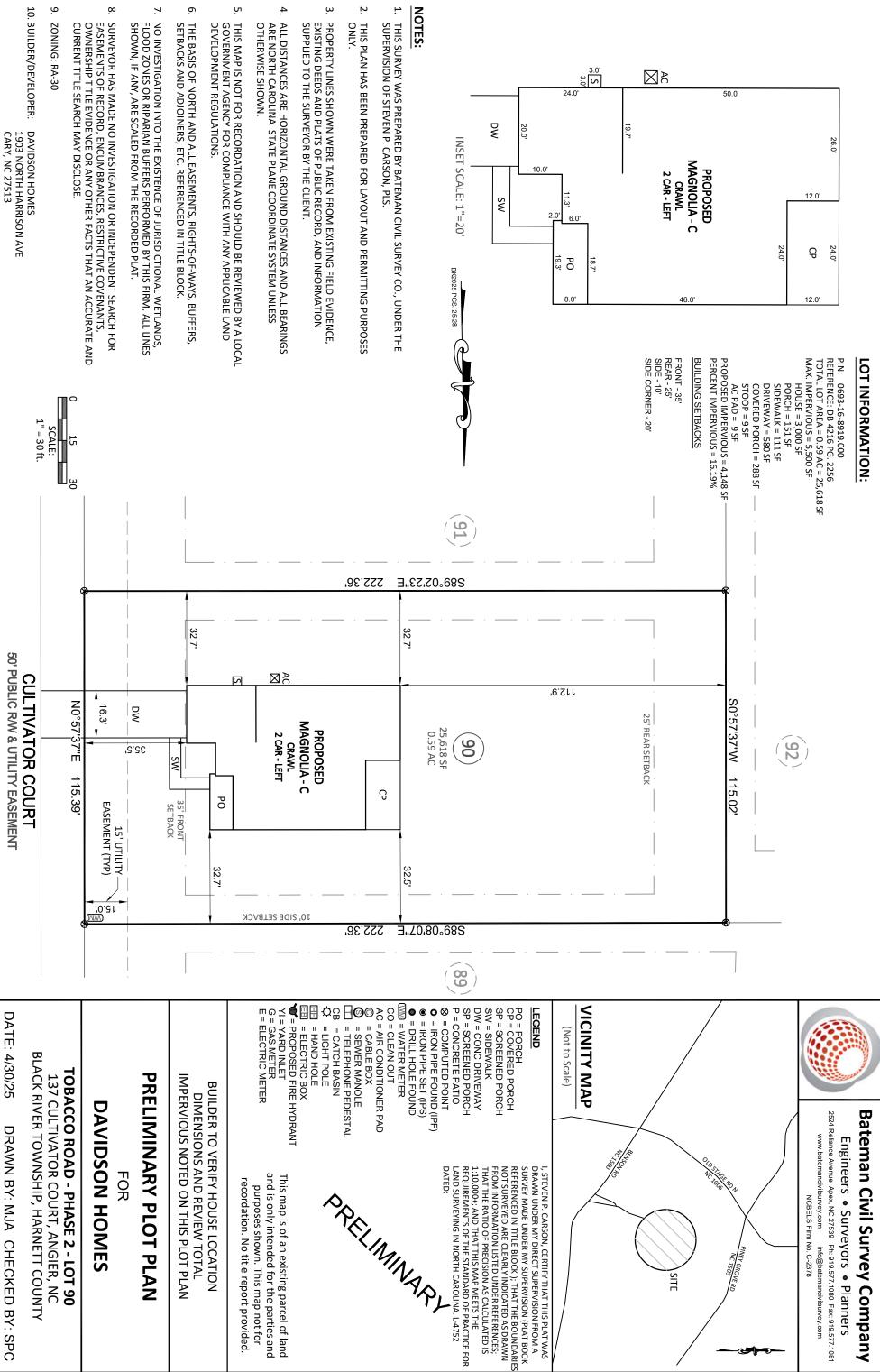
OWNER:	Drees Homes	5		(Complete	all fields in full)		DATE EVALUATED:	5/14/2025
ADDRESS:								
PROPOSED	FACILITY: Si	ngle Family 4 BR	PROPO	OSED DESIG	3N FLOW (.0400	)): 480 gpd	PROPERTY SIZE:	.59 Acres
LOCATION	N OF SITE: 137	Cultivator Ct, Angi	er NC 2750	01			PROPERTY RECORDE	D:Y
WATER SU	JPPLY: 🗵 Public	□ Single Family	Well 🗆 S	Shared Well	$\square$ Spring $\square$ C	Other	WATER SUPPLY SETB.	ACK:
EVALUATI	ION METHOD:	X Auger Boring	☐ Pit ☐ €	Cut	TYPE OF WAS	TEWATER:	☑ Domestic ☐ High Streng	th 🗌 IPWW

VIII	OTTITOT WIETIT	ob. $\Box$ mage	i bornig 🗆 Pit	= Cut III	re OF WASTE	WILLIA.	E Domest	ic 🗆 ingn	buengui 🗆 i	1 11 11
P R O F I	R		SOIL MORPHOLOGY		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 5%	0-33	GR/LS	VFR,SEXP,NS		40"	N.O	N.O	P.S .4	2"
		33-40	SBK SCL	FI,SEXP,S						
					N.O					
2	Linear 5%	0-38	GR/LS	VFR,SEXP,NS		42"	N.O	N.O	P.S .4	2"
		38-42	SBK SCL	FI,SEXP,S						
					N.O					
	Linear 5%	0-30	GR/LS	VFR,SEXP,NS		38"	N.O	N.O	P.S .4	2"
		30-38	SBK SCL	FI,SEXP,S	N.O					
3					N.O					
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	S	S	SITE CLASSIFICATION (.0509): P.S
System Type(s)	III G	III B	EVALUATED BY: Bobby Weaver/Alex Adams
Site LTAR	.4	.3	OTHER(S) PRESENT:
Maximum Trench Depth	20"	20"	
Comments:	•		

NCDHHS/DPH/EHS/OSWP Revised January 2024





# **Bateman Civil Survey Company**

2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081

NCBELS Firm No. C-2378

info@batemancivilsurvey.com

Engineers • Surveyors • Planners

### and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

**BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL** 

## IMPERVIOUS NOTED ON THIS PLOT PLAN

DAVIDSON HOMES

BLACK RIVER TOWNSHIP, HARNETT COUNTY TOBACCO ROAD - PHASE 2 - LOT 90 137 CULTIVATOR COURT, ANGIER, NC

ATE: 4/30/25 DRAWN BY: MJA CHECKED BY: SPC