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	n	
IMPROVEMENT	PERMIT FOR G.S. 130A-3	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	e 🗌
Proposed Structure:			
Number of bedrooms: Number of Occupants: C	Other:		
Design Wastewater Strength: domestic h	igh strength 🔲 indu	strial process	
Proposed Design Daily Flow: GPD Propo	osed 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 wastewater sy	stem types in accordance with 1	5A NCAC 18A .1961 Table	V(a)
Saprolite System (initial): Yes No Saprolite System	m (repair): 🗌 Yes 🔲 No		
Fill System (Initial): \square Yes \square No \square If yes, specify: \square New \square	Existing (when adding more that	n 6 inches of fill to systen	n area provide a fill plan)
Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🗌 New 📗	Existing (when adding more that	an 6 inches of fill to syster	m area provide a fill plan)
Usable Soil Depth (Initial): Usable Soil Dep	oth (Repair):		
Max. Trench Depth (Initial)‡: Max. Trench De	epth (Repair) [‡] :	_ [‡] Measured on the dow	unhill side of the trench
Artificial Drainage Required: 🗌 Yes 🔲 No If yes, please speci	ify details:		
Type of Water Supply: 🗌 Private well 🔃 Public well 🔲 Sh	ared well Municipal Supple	y Spring Oth	er:
Drainfield location meets requirements of Rule .1945: Yes	No Drainfield location med	ets requirements of Rule .	1950: Yes 🗌 No 🗌
Permit valid for: Five years [site plan submitted pursuant to C	GS 130A-334(13a)] 🔲 No expira	ation [plat submitted purs	suant to GS 130A-334(7a)
Permit conditions:			
Licensed Soil Scientist Print Name:	<u> </u>	Date:	
CICENSEN SOUNCIENTIST SIGNATURE! // X V X /////////////////////////////	F	I ISTO!	

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 Per department, the common form developed be within five business days of receiving the appermit includes all of the required components shall notify the applicant of the components department to cure the deficiencies in the lates to complete within five business days after the act within any period set out in this subsect common form for use as the Improvement I	y the Department, and a soil evaluati plication, conduct a completeness rev nts. If the local health department de s needed to complete the Improvement inprovement Permit. The local health the local health department receives to ion, the applicant may treat the failur	on pursuant to su view of the submi termines that the nt Permit. The ap department shall he additional info	bsection (a2) of this section, the tal. A determination of complet Improvement Permit is incomple Dicant may submit additional inf make a final determination as to Imation from the applicant. If th	local health department shall, eness means that the Improvement ete, the local health department formation to the local health o whether the Improvement Permit e local health department fails to
The review for completeness of thi Permit is determined to be:	s Improvement Permit was co	nducted in ac	cordance with G.S. 130A-3	335(a3). This Improvement
☐ Incomplete (If box is checked,	information in this section is r	equired.)		
The following items are missing:	5/0 4			λ
Copies of this were sent to the LSS	and the Applicant on	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		W.
		Date		
State Authorized Agent:		A	Date: _	> 1/3
☐ Complete	1 5 5// 18			7 18
State Authorized Agent:		-11-5	Date:	18
This Improvement Permit is issued attached here. The issuance of the permit holder is responsible for cheto revocation if the site plan, plat, ownership of the site. This permit Disposal and to the conditions of the Department any liabilities, duties, and response evaluations of submittals, or actions of the department any liabilities, submittals, or actions of the department any liabilities.	is permit by the Health Departecking with appropriate governments or the intended use changes is subject to compliance with this permit. It is authorized agents, and the ibilities imposed by statute o	erning bodies The Improventhe provision local health or in common	vay guarantees the issuar in meeting their requiren ement Permit shall not be ns of the Laws and Rules epartments shall be disch aw from any claim arising	nce of other permits. The ments. This permit is subject affected by a change in for Sewage Treatment and marged and released from g out of or attributed to
evaluations, submittals, or actions			eologist pursuant to GS 1	30A-335(a2).

See attached site sketch



Permit #:	
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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:
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?
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 [‡] : 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)]: 🔲 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
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: 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:	b	
		Date	Initials
G.S. 130A-335(a5) states the foll	_		
mprovement Permit and Construction And Department, and any necessary signed a singineer or a person certified pursuant to department shall, within five business day the Construction Authorization or Improved the English of the Components needed to construction. The local health department for the population is complete within five busing permit for the project of the building permit for the project of the English of the building permit for the project of the English of the Building permit for the project of the English of Engineer submitting the evaluation or Improvement Permit and Engineer, the local health department shall be partment of the English of English of Engineer, the Local health department shall be partment shall be	orthorization application together, the performation of the General sys of receiving the application, conducted a Article 5 of Chapter 90A of the General sys of receiving the application, conduct of the General and Construction Authorization or Improvement Permit and Construction or Improvement Permit and Construction Authorization adepartment to cure the deficiencies in the shall make a final determination as to interest and the subsection, the applicant sect out in this subsection, the applicant performant to the local health department fair on pursuant to this subsection may required Construction Authorization for cause. It	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 that the Construction tent receives the additional may treat the failure to act the Construction Authorization act within five busine test that the local health a Upon written request of the uthorization or Improvement	ation 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 not construction Authorization. The applicant may submit ation or Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health at as a determination of completeness. The applicant may reation or Improvement Permit and Construction as a determination of completeness. The applicant may reation or Improvement Permit and Construction as described by 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	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 checke	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	AV 76 //
State Authorized Agent:	7/1/1		Date:
☐ Complete	The same		
State Authorized Agent:	W 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, preconstructive General Statutes as a license Authorized On-Site Wastewater agents, and the local health department in the Constructive statements.	n Authorization is subject to revalue to the 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 plownership of the site wage Treatment and local health departner 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 te. This Construction Authorization is subject Disposal and to the conditions of this permit. The entry 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



Permit #:	
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Re-submittal of Construction Authorization

	I HD LISE ONI V	This CA resubmittal received:		by		
	END OSE ONET.	This CA resubinitial received	Date	by	als	
The following i	tems are being resul	omitted pursuant to G.S. 130A-33	35(a5) for issuance of	of the Construction	n Authorization:	
l.		hereby attest tha	at the information r	required to be incl	uded with this re-s	submittal
is accurate and						
Signatur	re of Authorized On-Site \	Nastewater Evaluator		Date	Ť.	
LHD Follow-ւ		w is for Local Health Department us s Review of Construction A		tems noted as missii	ng above.	
	completeness of thi	s Construction Authorization re-s determined to be:	submittal was cond	ucted in accordand	ce with G.S. 130A-	335(a5).
☐ Incomplete	(If box is checked, ir	formation in this section is requi	ired.)			
The following it	ems are missing:					
		ALIO 300 MI	M VIDER	19		
Copies of this w	vere sent to the AOV	VE/PE and the Applicant on	Date	-		
State Authorize	ed Agent:			Date: _		
Complete						
State Authorize	ed Agent:			Date: _		

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

alexadams@bcsoil.com

November 20, 2024 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 #29 - 232 Looping Ct, Angier NC (Harnett County) for Davidson Homes (PIN#0693-15-0206)

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 360 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 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 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.

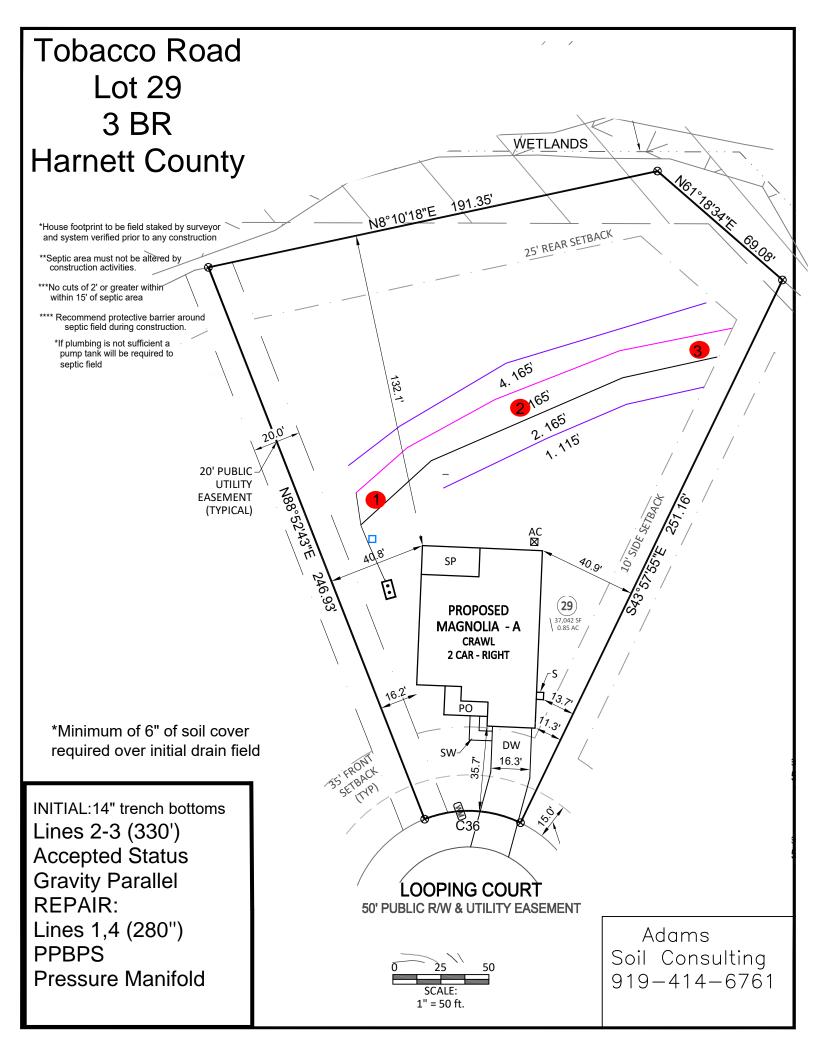
Sincerely,

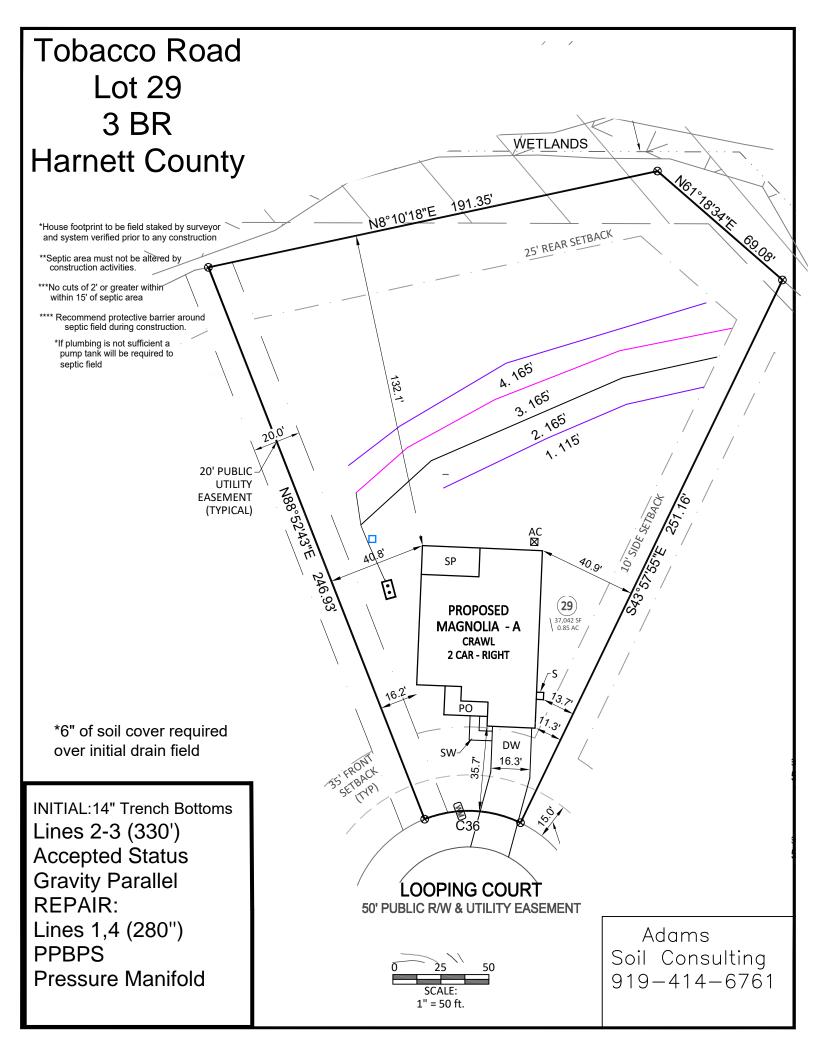
Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E









SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Davidson

APPLICATION DATE:

ADDRESS:

DATE EVALUATED: 11/20/2024

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

LOCATION OF SITE: 232 Looping Ct, Angier, NC, 27501

EVALUATION METHOD: Auger Boring

PROPERTY SIZE: .85 Acres

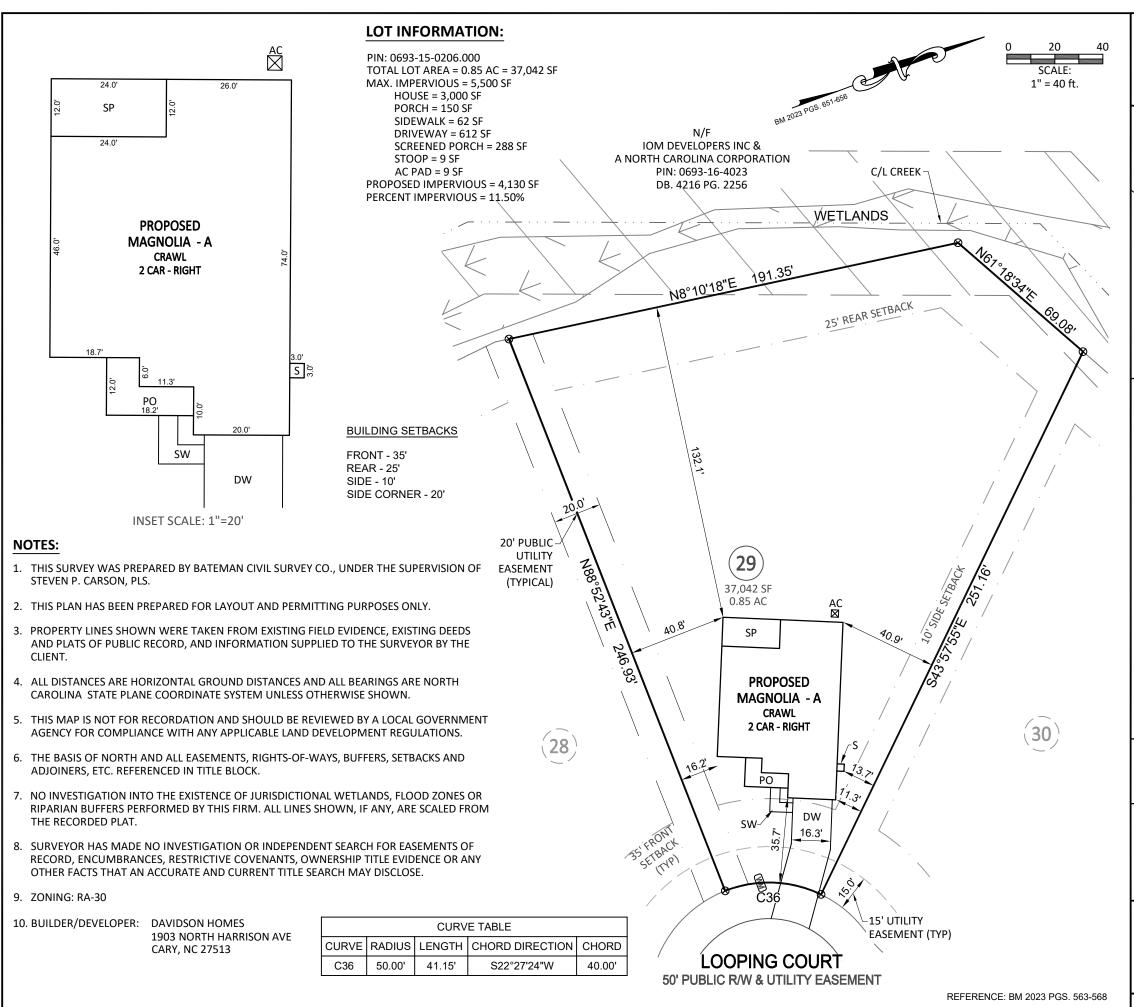
WATER SUPPLY: Public Water

TYPE OF WASTEWATER: Sewage

P R O F I L E	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				
			.1941 STRUCTURE/ TEXTLSE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	Clama/60/	0-8	GR/LS	VFR,NS,NP,SEXP	1.5 yr 112	30"	N.O	N.O	U/P.S .35
		8-30	SBK/SCL	FR,SS,SP,SEXP	@ 30"				
	Clama/60/	0-8	GR/LS	VFR,NS,NP,SEXP	7.5 yr 7/2 @ 29"	29"	N.O	N.O	U/P.S .35
		8-24	SBK/SCL	FR,SS,SP,SEXP					
		24-29	wksbkscl	FR,SS,SP,SEXP					
	Τ:	0.0	CD/LC	VFR,NS,NP,SEXP		2.422	NO	NO	II/D C 25
	Linear Slope/6%	0-8	GR/LS		7.5 yr 7/2 @ 34"	34"	N.O	N.O	U/ P.S .35
		8-34	SBK/SCL	FR,SS,SP,SEXP	(0) 34				
4									

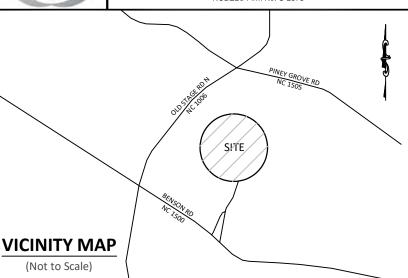
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):			
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): U/PS			
System Type(s)	Type III G Type III G		EVALUATED BY:A. Adams OTHER(S) PRESENT:			
Site LTAR	0.35	0.35				

COMMENTS: Updated February 2014





2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081 www.batemancivilsurvey.com info@batemancivilsurvey.com NCBELS Firm No. C-2378



LEGEND

PO = FRONT COVERED PORCH CP = COVERED PORCH

SP = SCREENED PORCH SW = SIDEWALK

DW = CONC DRIVEWAY

N/F = NOW OR FORMERLY P = CONCRETE PATIO

S = STOOP

⊗ = COMPUTED POINT

• = IRON PIPE FOUND (IPF) = IRON PIPE SET (IPS)

= DRILL HOLE FOUND WM = WATER METER

CO = CLEAN OUT

AC = AIR CONDITIONER PAD

© = CABLE BOX
S = SEWER MANHOLE

= TELEPHONE PEDESTAL

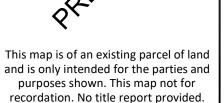
CB = CATCH BASIN ♥ = LIGHT POLE

HH = HAND HOLE EB = ELECTRIC BOX

= FIRE HYDRANT

YI = YARD INLET E = ELECTRIC METER

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 BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER REFERENCES: THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10.000+: AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARD OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA. L-4752



BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

PRELIMINARY PLOT PLAN **FOR DAVIDSON HOMES**

TOBACCO ROAD - PHASE 1 - LOT 29 232 LOOPING COURT, ANGIER, NC BLACK RIVER TOWNSHIP, HARNETT COUNTY

DATE: 11/4/24 DRAWN BY: ALT CHECKED BY: SPC

REFERENCE: BM 2023 PGS. 651-656

BCS# 230746

SCALE: 1" = 40'