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 Perm	it (a2) Construction A	uthorization	Fee \$	
	IMPROV	EMENT PERMIT FOR G.	S. 130A-33	35(a2)	
County:					
PIN/Lot Identifier:					
Issued To:					
Property Location:					
Subdivision (if applicat	ole)	Lo	t #:	Block:	Section:
LSS Report Provided: `	Yes No No				
If yes, name and licens	se number of LSS:				
New 🗌	Expansion	System Relocat	tion 🗌	Change of	Use 🗌
Proposed Structure:					
Number of bedrooms:	Number of Occupants	s: Other:			
Design Wastewater St	rength: domestic	high strength	indust	rial process	
Proposed Design Daily	Flow:GPD	Proposed LTAR (Initial): _		Proposed LTAR (Rep	pair):
Proposed Wastewater	System Type*:	(Init	ial) Pump Re	equired: 🗌 Yes 📗	No May be required
Proposed Wastewater	System Type*:	(Rep	air) Pump Re	equired: 🗌 Yes 🗀	No May be required
*Please include system	n classification for proposed wa	stewater system types in accord	dance with 15	A NCAC 18A .1961 To	able V(a)
Saprolite System (initia	al): 🗌 Yes 🔲 No Sapr	rolite System (repair): Tyes [No		
Fill System (Initial):	Yes No If yes, specify:	New Existing (when add	ing more than	6 inches of fill to sy	stem area provide a fill plan)
Fill System (repair):	Yes No If yes, specify:	New Existing (when add	ing more than	6 inches of fill to sy	rstem area provide a fill plan)
Usable Soil Depth (Init	ial): Usal	ble Soil Depth (Repair):			
Max. Trench Depth (In	itial)‡: Max	a. Trench Depth (Repair)‡:		‡ Measured on the	downhill side of the trench
Artificial Drainage Req	uired: Yes No If yes, p	please specify details:			
Type of Water Supply:	Private well Public we	ell Shared well Mur	nicipal Supply	Spring	Other:
Drainfield location me	ets requirements of Rule .1945	: Yes No Drainfield	location meet	s requirements of Ru	ule .1950: Yes 🔲 No 🗌
Permit valid for: Five	ve years [site plan submitted pu	ursuant to GS 130A-334(13a)]	☐ No expirat	ion [plat submitted	pursuant to GS 130A-334(7a)
Permit conditions:					
Licensed Soil Scientist	Print Name:	Λ			
Licensed Soil Scientist	Signature: X Lex 7	damo		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 #:

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:
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.
*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 🔲 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 #:	
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This Section for Local Health Department Use Only

	Initial submittal received:	by	
		Date	Initials
G.S. 130A-335(a5) states the follow	_		
mprovement Permit and Construction Author Department, and any necessary signed and so Department, and any necessary signed and so Department shall, within five business days of The Construction Authorization or Improvement The Eletermines that the Construction Authorization The Inditional Information to the local health department of The Inditional Information to the Inditional Information The Inditional Information to the Inditional Information The Inditional Information to the Inditional Information The Inditional Indication Indic	rization application together, the perealed plans or evaluations conducted ticle 5 of Chapter 90A of the General freceiving the application, conduct a cent Permit and Construction Authorizion or Improvement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the Construction Authorization as to says after the local health department in this subsection, the applicant report the decision of completeness of the or if the local health department fail to the construction Authorization for cause. Leuspend or revoke the Construction Authorization for cause. Leuspend or revoke the Construction Authorization for cause.	mit fee charged by the lood by a person licensed pursestatutes as an Authorized completeness review of the action includes all of the restruction Authorization is in the 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.	tion 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 On-Site Wastewater Evaluator, the local health he submittal. A determination of completeness means that equired components. If the local health department complete, the local health department shall notify the ad Construction Authorization. The applicant may submit tion or Improvement Permit and Construction and Authorization or Improvement Permit and Construction al information from the applicant. If the local health as a determination of completeness. The applicant may action or Improvement Permit and Construction as described by the Authorized On-Site Wastewater Evaluator or repartment revoke or suspend the Construction as Authorized On-Site Wastewater Evaluator or licensed and Permit and Construction Authorization pursuant to G.S.
he review for completeness of this	Construction Authorization v	vas conducted in acc	ordance with G.S. 130A-335(a5). This
Construction Authorization is deter	mined to be:		
☐ Incomplete (If box is checked, i	nformation in this section is re	equired.)	
he following items are missing:			
Copies of this were sent to the AOV	/E/PE and the Applicant on	Date	AV 76 /
State Authorized Agent:			Date:
☐ Complete	Floring 1	141 6	F/55-19
State Authorized Agent:	1 PRIL	12 1776	Date of Issuance:
ettached here. This Construction A Construction Authorization shall no o compliance with the provisions	uthorization is subject to revo ot be affected by a change in of the Laws and Rules for Sev	ocation if the site pla ownership of the sit wage Treatment and	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The e. This Construction Authorization is subject Disposal and to the conditions of this permit.
iny liabilities, duties, and responsi plans, evaluations, preconstruction he General Statutes as a licensed o Authorized On-Site Wastewater Ev	bilities imposed by statute or conference findings, submit engineer or a person certified aluator in GS 130A-335(a2), (ments shall be responsible a	in common law from tals, or actions from pursuant to Article a5), and (a7). The De ad bear liability for t	nents shall be discharged and released from many 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 Expirat	ion Date:		
	See attach	ed site sketch	

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



Permit #:

Re-submittal of Construction Authorization

	LUDUSE ONLY. This CA resubmitted received.		h	
	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	ntion:
		ATTERNATION OF THE PARTY.		
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 the local laws, regulations, rules, and ordinances.	e proposed Construct	cion Authorization meets all	applicable
Signatur	e of Authorized On-Site Wastewater Evaluator		Date	
 LHD Follow-ւ	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:		icted in accordance with G.S	. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is req	uired.)		
The following it	ems are missing:			
	ANO 300 MI	M 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:	

6

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

alexadams@bcsoil.com

July 2, 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 #28 - 236 Looping Ct, Angier NC (Harnett County) for Davidson Homes (PIN#0693-05-9097)

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.

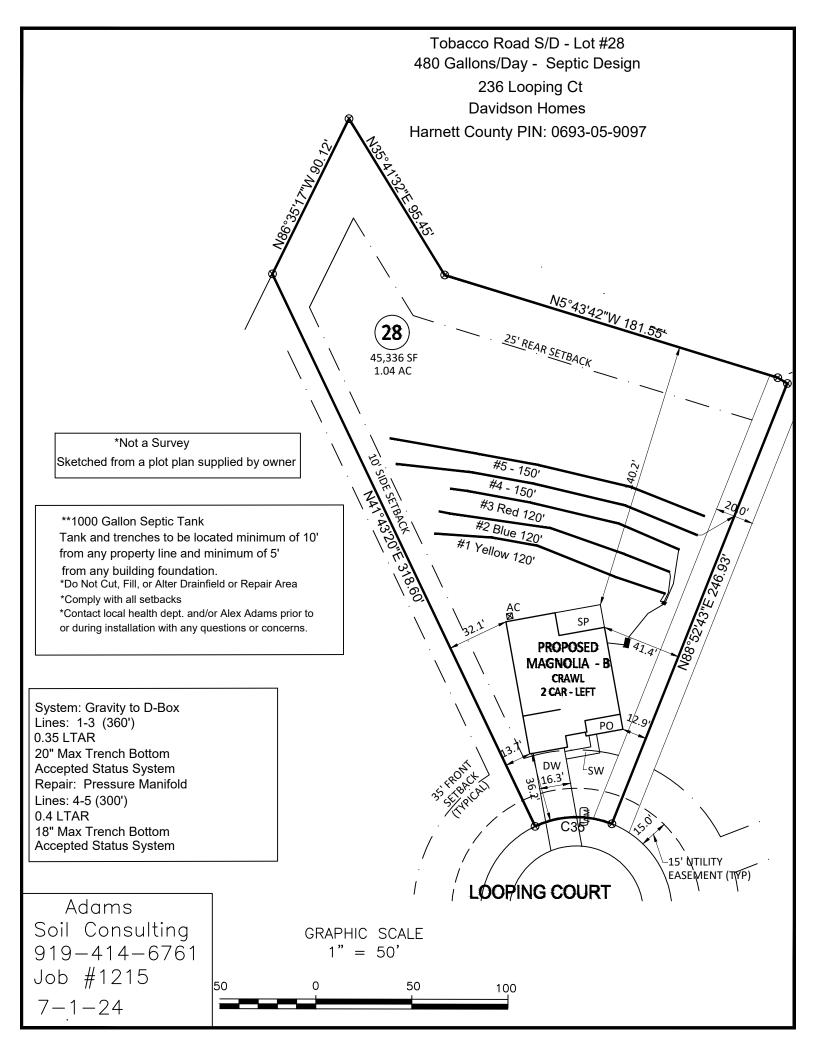
Sincerely,

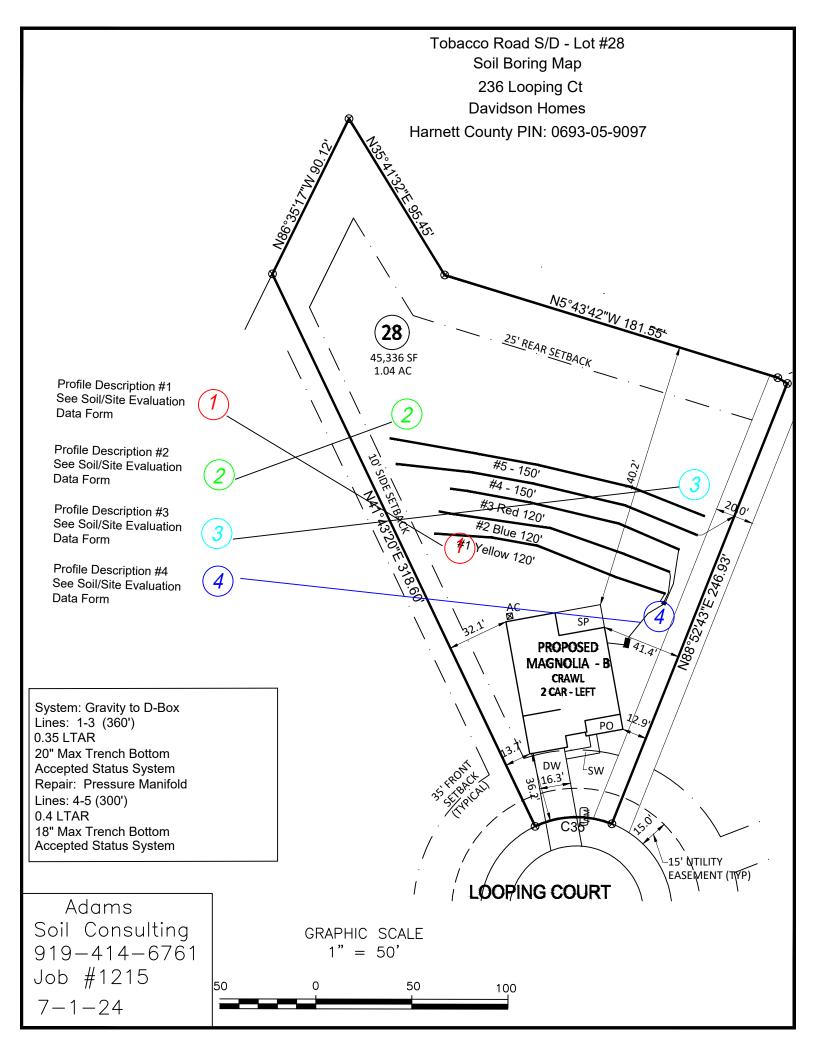
Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E









SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Davidson Homes LLC

ADDRESS: PROPOSED FACILITY: Single Family, 4-bedroom PROPOSED DESIGN FLOW (.1949): 480 gpd

APPLICATION DATE: DATE EVALUATED: 07/1/24

PROPERTY SIZE:

LOCATION OF SITE: 236 Looping Ct., Angier, NC, 27501

WATER SUPPLY: Public Water

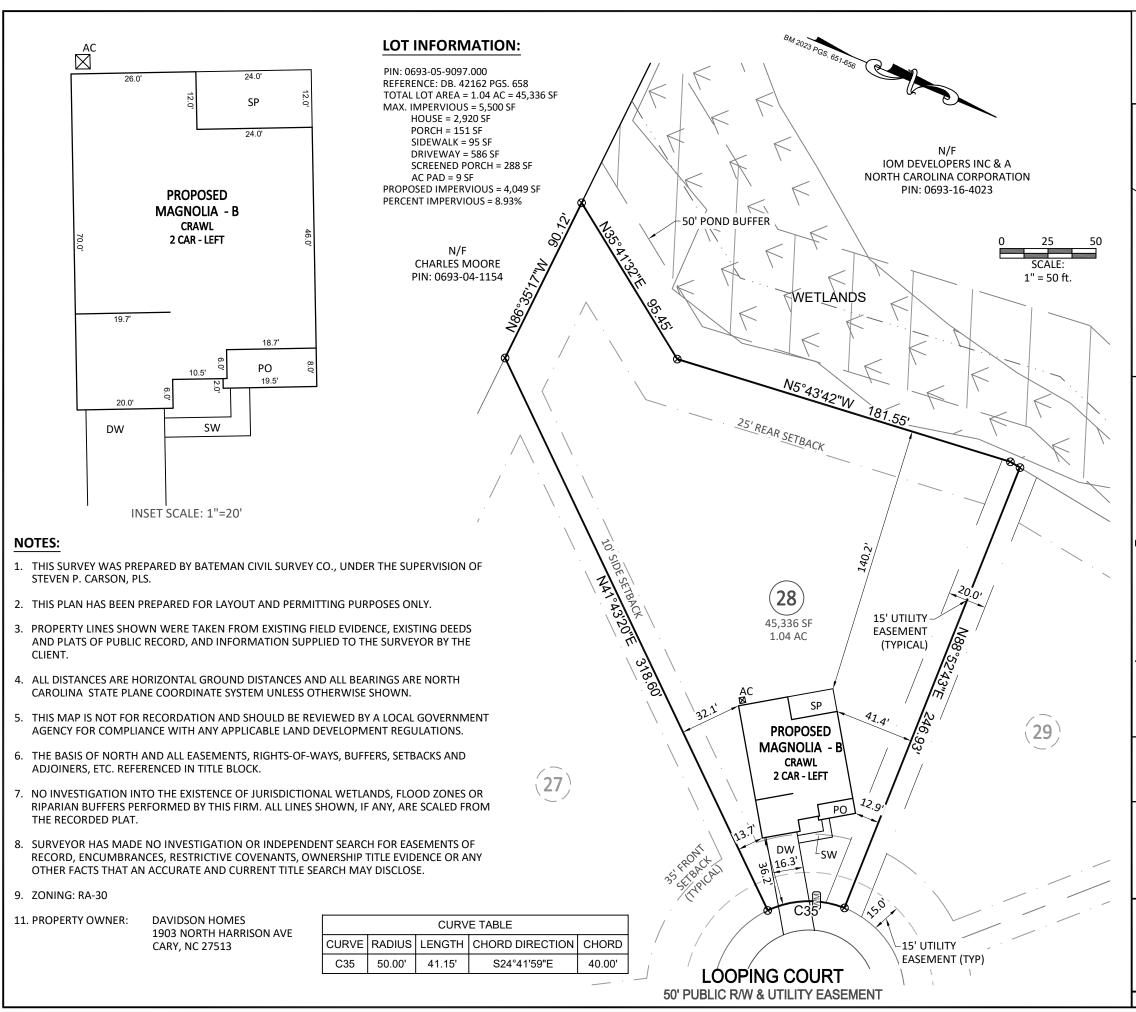
EVALUATION METHOD: Auger Boring

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/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	Linear	0-14	GR/LS	VFR,NS,NP,SEXP	32	N/A	N/A	N/A	P.S/.35
1	Slope/5%	14-36	SBK/SCL	FR,SS,SP,SEXP					
	Linear Slope/5%	0-20	GR/LS	VFR,NS,NP,SEXP	N/A	N/A	N/A	N/A	P.S/.4
		20-36	SBK/SCL	FR,SS,SP,SEXP					
	Linear	0-26	GR/LS	VFR,NS,NP,SEXP	N/A	N/A	N/A	N/A	P.S/.4
3	Slope/5%	26-36	SBK/SCL	FR,SS,SP,SEXP					
	Linear Slope/5%	0-21	GR/LS	VFR,NS,NP,SEXP	N/A	N/A	N/A	N/A	P.S/.4
		21-36	SBK/SCL	FR,SS,SP,SEXP					

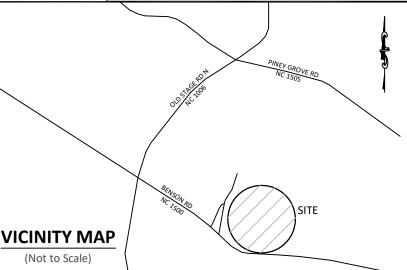
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):			
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): PS			
System Type(s)	Type III B Type III B		EVALUATED BY:A. Adams OTHER(S) PRESENT:			
Site LTAR	0.35	0.4				

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 = PORCH CP = COVERED PORCH

SP = SCREENED PORCH

SW = SIDEWALK DW = CONC DRIVEWAY

SP = SCREENED PORCH P = CONCRETE PATIO

• = IRON PIPE FOUND (IPF)

● = IRON PIPE SET (IPS) = DRILL HOLE FOUND

WM = WATER METER

CO = CLEAN OUT

AC = AIR CONDITIONER PAD

C = CABLE BOX

= SEWER MANOLE

= TELEPHONE PEDESTAL

CB = CATCH BASIN

⇒ = LIGHT POLE

= HAND HOLE
= ELECTRIC BOX

T= FIRE HYDRANT YI = YARD INLET

G = GAS METER E = ELECTRIC METER

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

I. STEVEN P. CARSON. CERTIFY THAT THIS PLAT WAS

This map is of an existing parcel of land 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

PRELIMINARY PLOT PLAN **FOR DAVIDSON HOMES**

TOBACCO ROAD - PHASE 1 & 3 - LOT 28 236 LOOPING COURT, ANGIER, NC

BLACK RIVER TOWNSHIP, HARNETT COUNTY DATE: 6/25/24 DRAWN BY: SLA CHECKED BY: SPC

REFERENCE: BM 2023 PGS. 651-656 BCS# 230746

SCALE: 1" = 50'