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 \$	
IMPROVEMENT	PERMIT FOR G.S. 130A-3	35(a2)	
County:			
PIN/Lot Identifier:			
Issued To:			
Property Location:			
Subdivision (if applicable)	Lot #:	Block: S	Section:
LSS Report Provided: Yes 🔲 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	nigh strength indus	strial process	
Proposed Design Daily Flow: GPD Prop	oosed LTAR (Initial):	Proposed LTAR (Repair):	
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 wastewater s	system types in accordance with 1	5A NCAC 18A .1961 Table V(d	a)
Saprolite System (initial): Yes No Saprolite System	em (repair): 🗌 Yes 🔲 No		
Fill System (Initial): 🗌 Yes 📗 No If yes, specify: 🗌 New 📗	Existing (when adding more tha	n 6 inches of fill to system ar	ea provide a fill plan)
Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🗌 New 📗	Existing (when adding more that	in 6 inches of fill to system a	rea provide a fill plan)
Usable Soil Depth (Initial): Usable Soil De	pth (Repair):		
Max. Trench Depth (Initial) [‡] : Max. Trench D	Pepth (Repair)‡:	[‡] Measured on the downh	ill side of the trench
Artificial Drainage Required: 🗌 Yes 🔲 No If yes, please spec	cify details:		
Type of Water Supply: Private well Public well SI	hared well	√ Spring ☐ Other:_	
Drainfield location meets requirements of Rule .1945: Yes	No Drainfield location mee	ts requirements of Rule .195	0: Yes No
Permit valid for: $igsqcup$ Five years [site plan submitted pursuant to	GS 130A-334(13a)]	tion [plat submitted pursuar	nt to GS 130A-334(7a)
Permit conditions:			
Licensed Soil Scientist Print Name:	,	Date:	
CICANSAN SOUNCIANTICE SIGNATURA! AL X D.X. (MAIA/IIII/7		11370'	

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 subn	nittal received:		by		
		Date	Initials	5	
G.S. 130A-335(a3) states the following:					
When an applicant for an Improvement Permit submits to department, the common form developed by the Departm within five business days of receiving the application, condepermit includes all of the required components. If the local shall notify the applicant of the components needed to condepartment to cure the deficiencies in the Improvement Persis complete within five business days after the local health act within any period set out in this subsection, the applications form for use as the Improvement Permit.	ent, and a soil evaluati duct a completeness rev I health department de mplete the Improvemer ermit. The local health o department receives ti	on pursuant to su view of the submit termines that the nt Permit. The app department shall he additional info	bsection (a2) of thi tal. A determinatic Improvement Pern Ilicant may submit make a final detern rmation from the a	is section, the local hea on of completeness me nit is incomplete, the lo additional information mination as to whether applicant. If the local he	Ith department shall, ans that the Improvement cal health department to the local health the Improvement Permit ealth department fails to
The review for completeness of this Improvem Permit is determined to be:	ient Permit was co	onducted in ac	cordance with (G.S. 130A-335(a3)	. This Improvement
☐ Incomplete (If box is checked, information	ı in this section is r	equired.)			
The following items are missing:					
Copies of this were sent to the LSS and the Ap		Date			
State Authorized Agent:				Date:	
☐ Complete	3//0			121	
State Authorized Agent:				Date:	
This Improvement Permit is issued pursuant to attached here. The issuance of this permit by permit holder is responsible for checking with to revocation if the site plan, plat, or the interownership of the site. This permit is subject to Disposal and to the conditions of this permit.	y the Health Depar n appropriate gove nded use changes. to compliance witl	rtment in no we erning bodies . The Improve	ay guarantees in meeting the ement Permit s	the issuance of o ir requirements. T shall not be affecte	ther permits. The his permit is subject ed by a change in
The Department, the Department's authorize any liabilities, duties, and responsibilities imp evaluations, submittals, or actions from a lice	osed by statute o	r in common l	aw from any cl	laim arising out of	or attributed to
Improvement Permit Expiration Date:					

See attached site sketch



Permit #:	
-----------	--

Re-submittal of Improvement Permit

Г				\neg
	LHD USE ONLY: This IP resubmittal received:		by	
		Date	Initials	
The following it	ems are being resubmitted pursuant to G.S. 130A-335((a3) for issuance	of the Improvement Permit:	
	STA	The	A.	
	A THE SH	THE OF		
is accurate and o	hereby attest that cientist (Print Name) complete to the best of my knowledge and that the prolams, regulations, rules, and ordinances.		required to be included with ement Permit meets all appli	
Signature	e of Licensed Soil Scientist		Date	
	The section below is for Local Health Department use o	after submittal of	items noted as missing above.	
LHD Follow-u	p Completeness Review of Improvement Pe	ermit		
	ompleteness of this Improvement Permit re-submitta ermit is determined to be:	l was conducted	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:			
	The second	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
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? 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?
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)]:
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:		у
		Date	Initials
G.S. 130A-335(a5) states the foll	_		
mprovement Permit and Construction A Department, and any necessary signed a singineer or a person certified pursuant to department shall, within five business do the Construction Authorization or Improved the English of the Components needed to conditional information to the local health Authorization. The local health department fails to act within five busing ply for the building permit for the project of the english of the building permit for the project of the englished engineer submitting the evaluation or Improvement Permit and engineer, the local health department shall he partment shall he p	uthorization application together, the per and sealed plans or evaluations conducted to Article 5 of Chapter 90A of the General tys of receiving the application, conduct a tyement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the department to cure the deficiencies in the stall make a final determination as to the stall make a final determination as to stall make a final determination as to stall make a	rmit fee charged by the lot by a person licensed pur Statutes as an Authorized a completeness review of a truction Authorization is it or Improvement Permit as the Construction Authorization are treceives the additional may treat the failure to a fail to act within five busing lest that the local health of Joon 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 encomplete, the local health department shall notify the not Construction Authorization. The applicant may submit action or Improvement Permit and Construction and Information from the applicant. If the local health act as a determination of completeness. The applicant may reaction or Improvement Permit and Construction ess days. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction are Authorized On-Site Wastewater Evaluator or licensed then Permit and Construction Authorization pursuant to G.S.
The review for completeness of	this Construction Authorization v	was conducted in acc	cordance 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 re	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	The factor of	S-2 7 67 67	
State Authorized Agent:	J. 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 statement in the statem	n Authorization is subject to revil not be affected by a change in ns of the Laws and Rules for Sevent's authorized agents, and the insibilities imposed by statute or tion conference findings, submited engineer or a person certified Evaluator in GS 130A-335(a2), (ocation if the site pl ownership of the si wage Treatment and local health departn r in common law fro ctals, 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 I Disposal and to the conditions of this permit. Inents shall be discharged and released from any 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 Exp	ration Date:		
·			
	dia .		

See attached site sketch



Permit #:	
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Re-submittal of Construction Authorization

	LHD USE ONLY: This CA reculpmittal received:		by	
	LHD USE ONLY: This CA resubmittal received:	Date	by Initials	
The following in	tems are being resubmitted pursuant to G.S. 130A-33	35(a5) for issuance of	of the Construction Authoriza	ition:
		A TOTAL A		
l,		at 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 and local laws, regulations, rules, and ordinances.	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 us		ems noted as missing above.	
The review for o	completeness of this Construction Authorization re-son Authorization is determined to be:		ucted in accordance with G.S	. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is requi	ired.)		
The following it	ems are missing:			
	AUO 30° 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:	

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

alexadams@bcsoil.com

1 22 2024

January 22, 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)"

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

RE: Tobacco Road Subdivision - Lot #6 (244 Harvester Road) 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 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

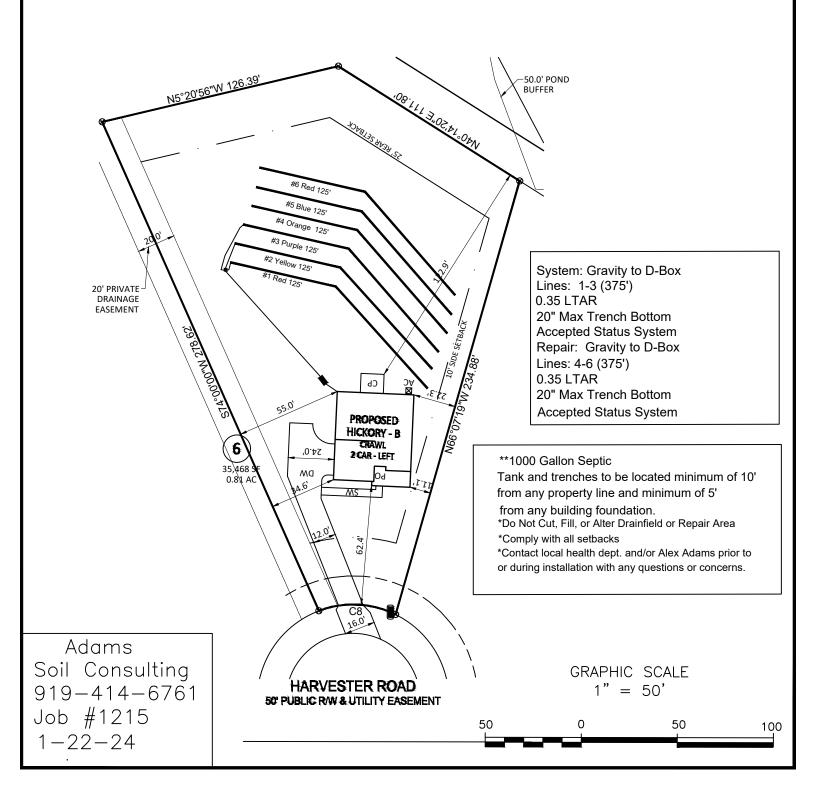




Tobacco Road S/D 4-Bedroom - Septic Design Lot #6 - 244 Harvester Road Davidson Homes

Harnett County PIN: 0693-24-5143

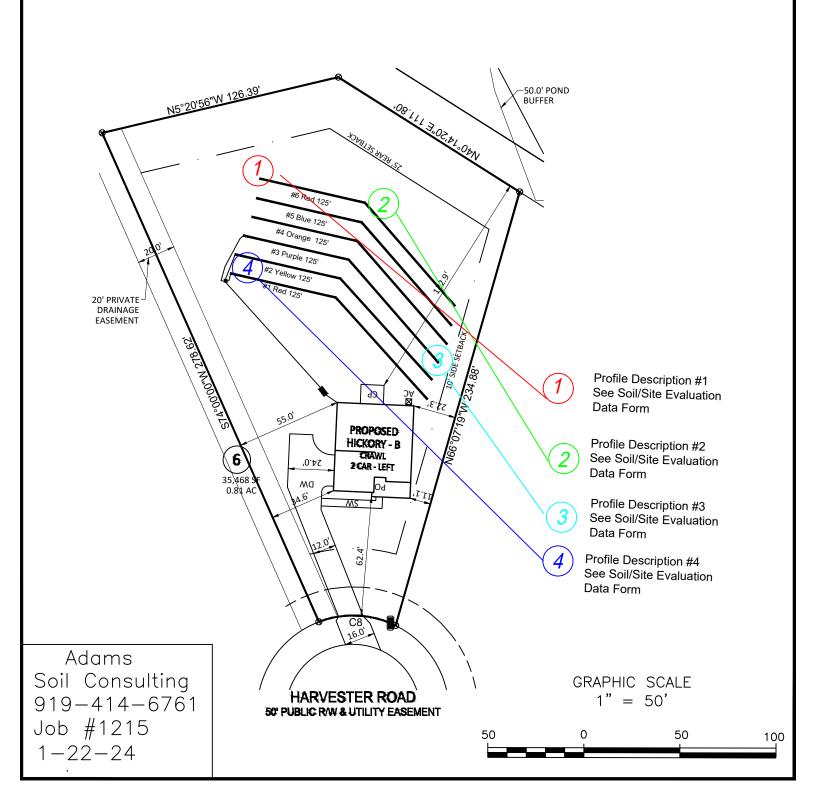
*Not a Survey Sketched from a plot plan supplied by owner



Tobacco Road S/D Soil Boring Location Map Lot #6 - 244 Harvester Road Davidson Homes

Harnett County PIN: 0693-24-5143

*Not a Survey Sketched from a plot plan supplied by owner



SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Davidson Homes

ADDRESS: 244 Harvester Road. - Lot 6 Tobacco Road

PROPOSED FACILITY: Single Family, 4-bedroom PROPOSED DESIGN FLOW (.1949): 480gpd LOCATION OF SITE: 244 Harvester Road. – Lot 6 Tobacco Road

WATER SUPPLY: Public Water

EVALUATION METHOD: Auger Boring APPLICATION DATE:

DATE EVALUATED: 1-10-24

PROPERTY SIZE: ~1.070 acres

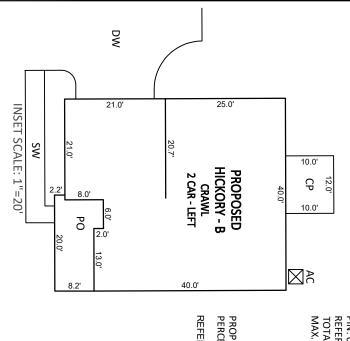
TYPE OF WASTEWATER: Sewage

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 Slope/3%	0-16	GR/SL	FR/SEXP/NS	36"	N/A	N/A	N/A	PS/0.4
		10-36	SBK/SCL	FI/SEXP/SS					
	Linear Slope/3%	0-32	GR/SL	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.4
		32-40	SBK/SCL	FI/SEXP/SS					
	Linear Slope/3%	0-20	GR/SL	FR/SEXP/NS	36"	N/A	N/A	N/A	PS/0.4
		20-36	SBK/SCL	FI/SEXP/SS					
	- ·					L			
	Linear Slope/3%	0-30	GR/SL	FR/SEXP/NS	34"	N/A	N/A	N/A	PS/0.4
		30-36	SBK/SCL	FI/SEXP/SS					

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

COMMENTS:

Updated February 2014



FRONT - 35' REAR - 25' SIDE - 10' SIDE CORNER - 20' BUILDING SETBACKS BM 2023 PGS. 651-656 CURVE RADIUS LENGTH CHORD DIRECTION CHORD C8 50.00 41.15 **CURVE TABLE** N10°39'17"E 40.00

www.batemancivilsurvey.com

NCBELS Firm No. C-2378

info@batemancivilsurvey.com

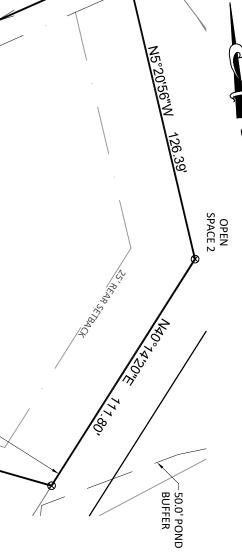
Engineers • Surveyors • Planners

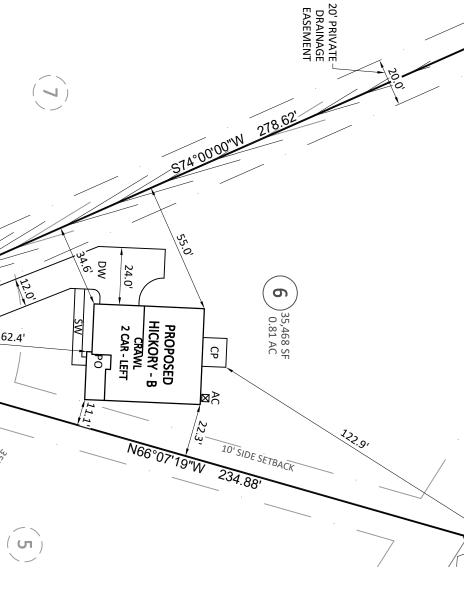
TOTAL LOT AREA = 0.81 AC = 35,468 SF MAX. IMPERVIOUS = 5,500 SF PIN: 0693-24-5143.000 REFERENCE: DB. 4216 PGS. 2658-2662 SIDEWALK = 134 SF DRIVEWAY = 1,450 SF COVERED PORCH = 120 SF PORCH = 169 SFHOUSE = 1,714 SF

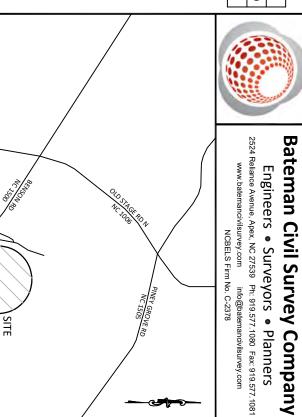
LOT INFORMATION:

AC PAD = 9 SF PROPOSED IMPERVIOUS = 3,596 SF PERCENT IMPERVIOUS = 10.14 %

REFERENCE: BM 2023 PGS. 563-568







≦ Not to Scale) **NITY MAP**

유 무 = = PORCH COVERED PORCH

COMPUTED POINT
IRON PIPE FOUND (IPF)
IRON PIPE SET (IPS)
DRILL HOLE FOUND

TELEPHONE PEDESTAL

AIR CONDITIONER PAD

SP = SCREENED PORCH
SW = SIDEWALK
DW = CONC DRIVEWAY
SP = SCREENED PORCH
P = CONCRETE PATIO
Ø = COMPUTED POINT
• = IRON PIPE FOUND (IPF
Ø = IRON PIPE SET (IPS)
• = DRILL HOLE FOUND
CO = CLEAN OUT
AC = AIR CONDITIONER PACE
CB = CATCH BASIN
SEWER MANOLE
SEWER MANOLE
SEWER MANOLE
SEWER HAND HOLE
HAND HOLE
HAND HOLE
FIRE HAND HOLE
FIRE HAND HOLE
FIRE HYDRANT
YARD INLET

REFERENCED IN TITLE BLOCK); THAT THE
BOUNDARIES NOT SURVEYED ARE CLEARLY
INDICATED AS DRAWN FROM INFORMATION LISTED I, STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK CAROLINA. L-4752 PRACTICE FOR LAND SURVEYING IN NORTH UNDER REFERENCES; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; AND THAT THIS MAP



and is only intended for the parties and This map is of an existing parcel of land recordation. No title report provided. purposes shown. This map not for

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

WAGAJ C

PRELIMINARY PLOT PLAN

FOR

DAVIDSON HOMES

9.

ZONE "X" PER F.E.M.A. MAP NUMBER 3720068200J DATED 10/03/2006 THIS PROPERTY IS NOT LOCATED IN A FLOOD HAZARD AREA. IT IS LOCATED IN

11. PROPERTY OWNER: 10. ZONING: RA-30

DAVIDSON HOMES 1903 NORTH HARRISON AVE CARY, NC 27513

(00

50' PUBLIC R/W & UTILITY EASEMENT HARVESTER ROAD <u>∞</u>

SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND

CURRENT TITLE SEARCH MAY DISCLOSE.

NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.

15' UTILITY EASEMENT (TYP)

THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK.

.7

6.

'n

THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND

DEVELOPMENT REGULATIONS.

ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.

4.

ω

PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.

5

NOTES:

THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.

THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES

BLACK RIVER TOWNSHIP, HARNETT COUNTY **TOBACCO ROAD - PHASE 1 & 3 - LOT 6** 244 HARVESTER ROAD, ANGIER, NC

 \Box ATE: 1/3/24 DRAWN BY: CPV CHECKED BY: SPC

20 SCALE: 1" = 40 ft.

ERENCE: BM 2023 PGS. 651-656

BCS# 230746