		Permit #:
NC DEPARTMENT OF HEALTH AND HUMAN SERVICES	ROY COOPER • Governor KODY H. KINSLEY • Secr MARK BENTON • Deputy SUSAN KANSAGRA • As Division of Public Health	retary
Submittal Includes: 🗌 (a2) Improvement Permit [	(a2) Construction Authorization	Fee \$
IMPROVEMEN	۲ PERMIT FOR G.S. 130A-33	5(a2)
County:		
PIN/Lot Identifier:		
Issued To:		
Property Location:		
Subdivision (if applicable)		
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	high strength 🗌 industr	rial process
Proposed Design Daily Flow: GPD Pro	posed LTAR (Initial): P	Proposed LTAR (Repair):
Proposed Wastewater System Type*:	(Initial) Pump Re	quired: 🗌 Yes 🗌 No 📄 May be required
Proposed Wastewater System Type*:	(Repair) Pump Rec	quired: 🗌 Yes 🗌 No 📄 May be required
*Please include system classification for proposed wastewater	system types in accordance with 15A	NCAC 18A .1961 Table V(a)
Saprolite System (initial): Yes No Saprolite System		
Fill System (Initial): Yes No If yes, specify: New		
Fill System (repair): Yes No If yes, specify: New		6 inches of fill to system area provide a fill plan)
Usable Soil Depth (Initial): Usable Soil D		
Max. Trench Depth (Initial) <sup>‡</sup> : Max. Trench		
Artificial Drainage Required: Yes No If yes, please spe		
Type of Water Supply: Private well Public well		
Drainfield location meets requirements of Rule .1945: Yes	—	
Permit valid for:  Five years [site plan submitted pursuant to	o GS 130A-334(13a)] 📋 No expiratio	on [plat submitted pursuant to GS 130A-334(7a)]
Permit conditions:		
Licensed Soil Scientist Print Name:		
Licensed Soil Scientist Signature: Alex Adam	∂	Date:
The LSS evaluation is being submitted p *See	oursuant to and meets the requirement attached site sketch*	ents of G.S. 130A-335(a2).
NC DEPARTMENT OF HEALTH A	ND HUMAN SERVICES • DIVISION	OF PUBLIC HEALTH
LOCATION: 5605 Six MAILING ADDRESS: 1632	Forks Road, Building 3, Raleigh, NC 2 Mail Service Center, Raleigh, NC 276 TEL: 919-707-5854 • FAX: 919-845-3	7609 99-1632

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



## This Section for Local Health Department Use Only

Initial submittal received: \_\_\_\_\_\_ by \_\_\_\_\_

Date Initials

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applic	cant on		
15-0	Date		
State Authorized Agent:		Date:	
Complete			
State Authorized Agent:		Date:	

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This permit is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: \_\_\_\_\_

\*See attached site sketch\*



Permit #: \_\_\_\_\_

	Re-	submittal of Impr	ovement Peri	nit	
	LHD USE ONLY: This IP re	esubmittal received:	Date	by Initials	
The following it	tems are being resubmitted pu	rsuant to G.S. 130A-335	(a3) for issuance of	the Improvement Permit	:
		ST/	T		
is accurate and	Scientist (Print Name) complete to the best of my ki laws, regulations, rules, and c	nowledge and that the p		uired to be included wit ent Permit meets all app	
Signatur	e of Licensed Soil Scientist			Date	

The section below is for Local Health Department use after submittal of items noted as missing above.

#### LHD Follow-up Completeness Review of Improvement Permit

The review for completeness of this Improvement Permit re-submittal was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

Date

Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applicant on \_\_\_\_\_

State Authorized Agent: \_\_\_\_\_

Complete

State Authorized Agent: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



Permit #: \_\_\_\_\_

### 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)(Repair)
*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)
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 <sup>‡</sup> 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 🗌
Conditions:
turnin .
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: 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: \_\_\_\_\_\_ by

Date Initials

G.S. 130A-335(a5) states the following:

When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This

Construction Authorization is determined to be:

Incomplete (If box is checked, information in this section is real	quired.)		
The following items are missing:			
Copies of this were sent to the AOWE/PE and the Applicant on	Date	AV781	
State Authorized Agent:		Date:	
Complete		518	
State Authorized Agent:		Date of Issuance:	

This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: \_\_\_\_\_

\*See attached site sketch\*



Permit #: \_\_\_\_\_

# **Re-submittal of Construction Authorization**

	LHD USE ONLY: This CA resubmittal received:	Date	by	Initials	
The following i	items are being resubmitted pursuant to G.S. 130A-335	i(a5) for issuance	e of the Const	ruction Authori	zation:
	hereby attest that	the information	required to l	a included with	a this re-submittal
is accurate and	In the boy attest that Donsite Wastewater Evaluator (Print Name) I complete to the best of my knowledge and that the p and local laws, regulations, rules, and ordinances.				
Signatu	re of Authorized On-Site Wastewater Evaluator		Date	<u>z ili</u>	
	The section below is for Local Health Department use	after submittal of	items noted a	s missing above.	
LHD Follow-	up Completeness Review of Construction Au	thorization			
	completeness of this Construction Authorization re-su on Authorization is determined to be:	bmittal was con	ducted in acc	ordance with G	.S. 130A-335(a5).
Incomplete	(If box is checked, information in this section is require	ed.)			
The following it	tems are missing:				
	CALLO SE QUAN	A VIDEN	13		
Copies of this v	vere sent to the AOWE/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

June 3, 2025 Project #2078

"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: Briarwood Park Subdivision - Lot #1 (20 Gray Pine Way) NC (Harnett County) for Smith Douglass Homes (PIN#9588-65-0427)

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 and/or a PPBPS system. 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.

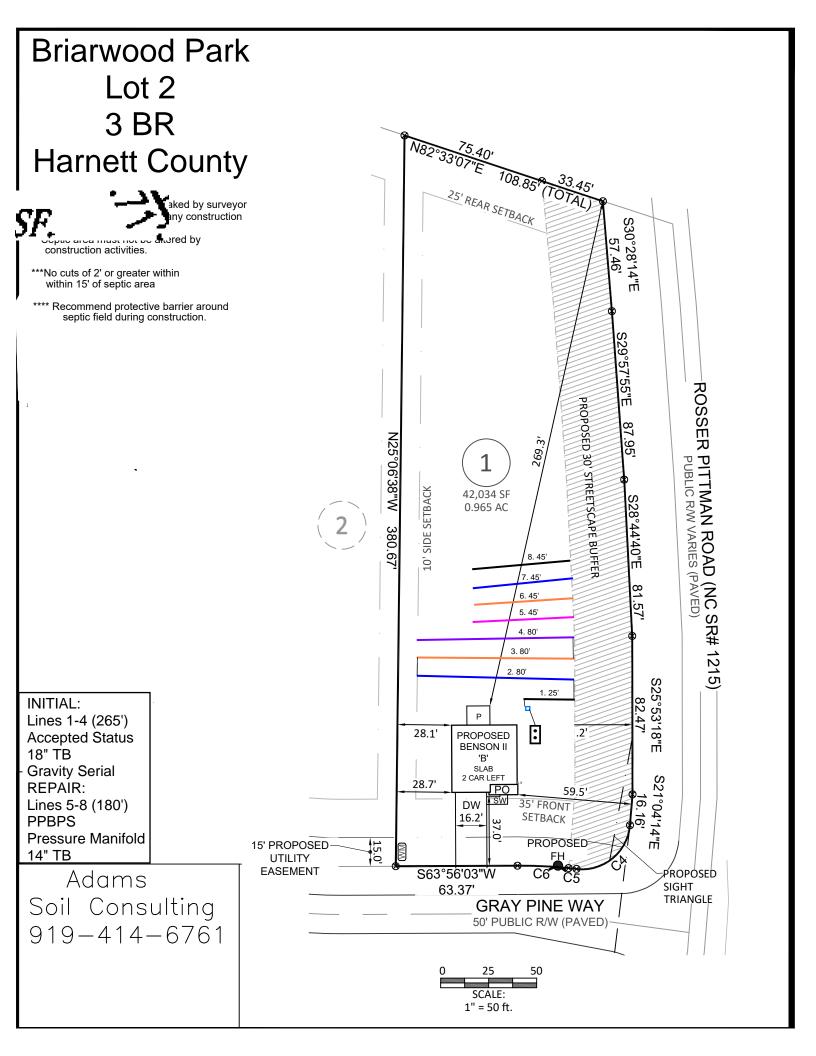
If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime.

Sincerely,

Alex Adams NC Licensed Soil Scientist #1247 AOWE Certification: 10021E



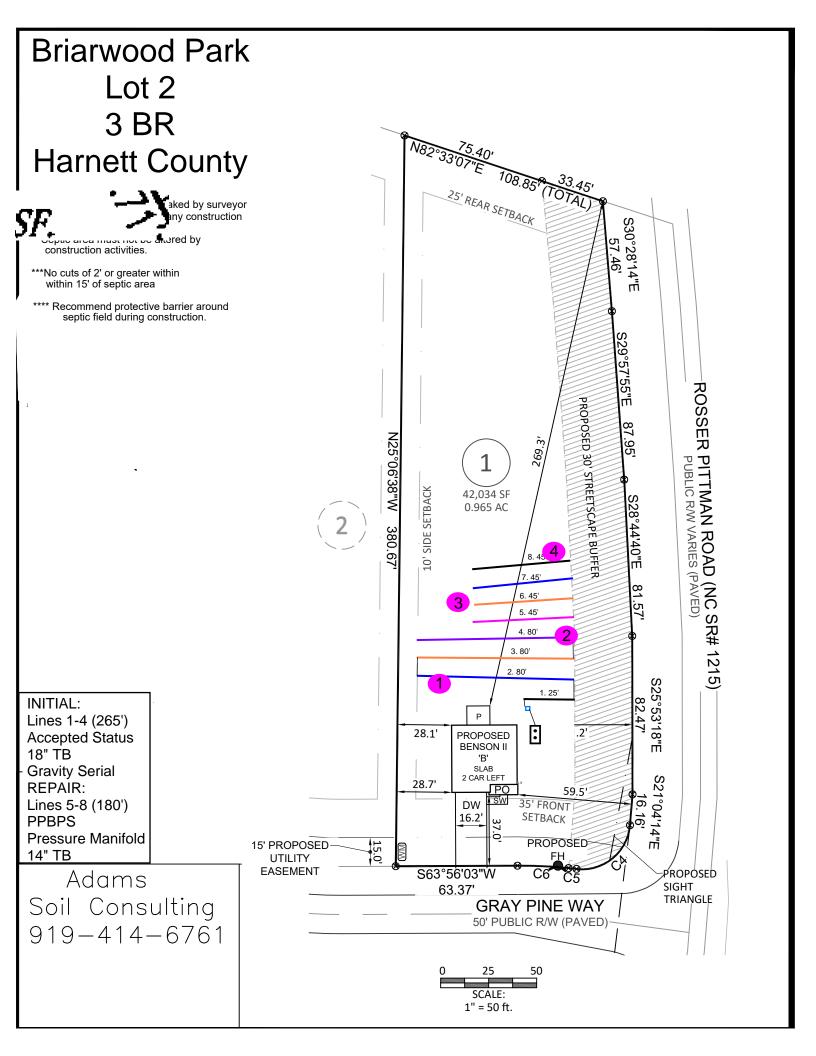


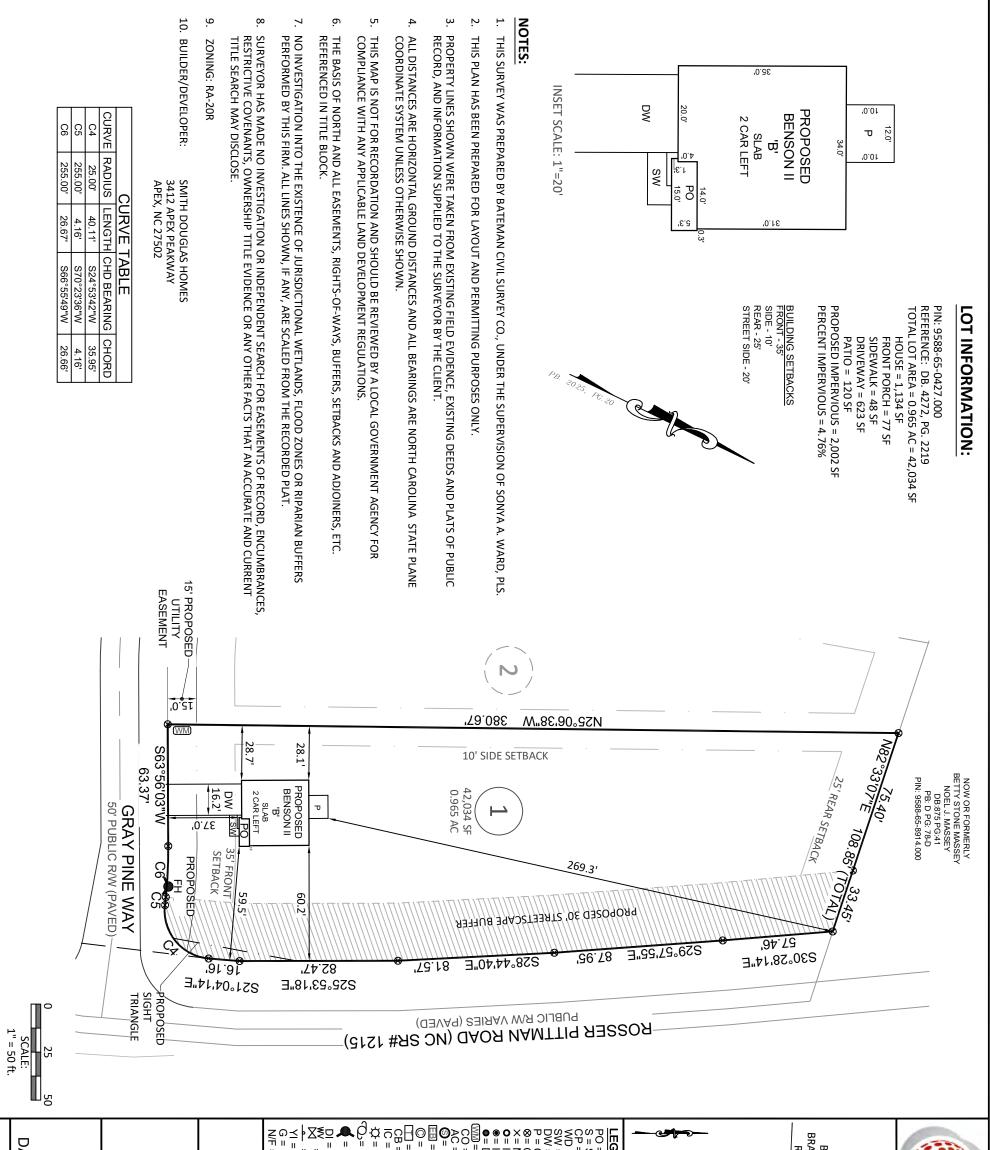


#### SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: <u>Smith Douglas Homes</u> (Complete all fields in full) OWNER: <u>Smith Douglas Homes</u>										
PRO LOC	ADDRESS:									
	WATER SUPPLY: I Public       □ Single Family Well       □ Shared Well       □ Spring       □ OtherWATER SUPPLY SETBACK:         EVALUATION METHOD:       ☑ Auger Boring       □ Pit       □ Cut       TYPE OF WASTEWATER:       ☑ Domestic       □ High Strength       □ IPWW									
P R O F I				SOIL MORPHOLOGY OTHER PROFILE FACTORS			Sucied in a			
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
		0-12	GR/LS	VFR,SEXP,NS						
	Linear	12-32	SBK SCL	FR,SEXP,S	7.5yr	32"	N.O	N.O	U/P.S	1"
1	2%				7/2 @ 32"	52	N.O	N.O N.O	.35	I
⊢		0-12	GR/LS	VFR,SEXP,NS						
		12-36	SBK SCL	FR,SEXP,S						
2	Linear 2%	12 00			N.O	36"	N.O	N.O	P.S .35	1"
	270									
		0-12	GR/LS	VFR,SEXP,NS						
	Linear	12-27	SBK SCL	FR,SEXP,S	7.5yr	27"	N.O	N.O	U/P.S	1"
3	2%				7/2 @ 27"		11.0		.35	1
$\vdash$		0-12		VFR,SEXP,NS						
	Linear	12-27	GR/LS SBK SCL	FR,SEXP,S	7.5yr				U/P.S	
4	20/	12-21	OBICOOL	,,.	7/2@	27"	N.O	N.O	.35	1"
'					27"					

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	.35	.35	OTHER(S) PRESENT:
Maximum Trench Depth	18"	14"	
Comments:			





DATE:         DTOP:         DRAWIN DT. SLA         DECNED DT. SAW           REFERENCE:         PB. 2025, PG. 20         BCS# 250487         SCALE: 1" = 50'
BRIARWOOD PARK - LOT 1 20 GRAY PINE WAY, SANFORD, NC BARBECUE TOWNSHIP, HARNETT COUNTY
SMITH DOUGLAS HOMES
FOR
BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN
9 = CABLE BOX 9 = CABLE BOX 1 = TELEPHONE PEDESTAL 1 = TELEPHONE PEDESTAL 2 = TELEPHONE CONTROLLER 4 = PROPOSED LIGHT POLE 2 = UTILITY POLE
W = SIDEWALK       INDICATED AS DRAWN FROM INFORMATION LISTED         W = CONC DRIVEWAY       UNDER REFERENCES; THAT THE RATIO OF PRECISION         = CONC PATIO       AS CALCULATED IS 1:10,000+; AND THAT THIS MAP         >= CONPUTED POINT       MAETS THE REQUIREMENTS OF THE STANDARD OF         I:= MAG NAIL FOUND       IPPE FOUND         >= IRON PIPE FOUND (IPF)       CAROLINA. L-4017         >= DRILL HOLE FOUND       DATED:
EGEND       I, SONYA A. WARD, CERTIFY THAT THIS PLAT WAS         O = COVERED FRONT PORCH       DRAWN UNDER MY DIRECT SUPERVISION FROM A         STOOP       SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK         P = COVERED PORCH/PATIO       REFERENCED IN TITLE BLOCK ); THAT THE         MOOD DECK       BOUNDARIES NOT SURVEYED ARE CLEARLY
PINE VISTA (Not to Scale)
SIL
PERRY MCDOUGALD
Bateman Civil Survey Company           Engineers • Surveyors • Planners           2524 Reliance Avenue, Apex, NC 27539           Ph: 919.577.1080           www.batemancivilsurvey.com           info@batemancivilsurvey.com           NCBELS Firm No. C-2378