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 Autho	rization Fee \$	
	IMPROVEME	NT PERMIT FOR G.S. 1	30A-335(a2)	
County:				
PIN/Lot Identifier:				
Issued To:				
Property Location:				
Subdivision (if applicable)		Lot #:	Block:	Section:
LSS Report Provided: Yes	No 🗌			
If yes, name and license num	ber of LSS:			
New 🗌	Expansion	System Relocation	Change o	f Use 🗌
Proposed Structure:				
Number of bedrooms:	Number of Occupants:	Other:		
Design Wastewater Strength	: domestic	high strength	industrial process	
Proposed Design Daily Flow:	GPD	Proposed LTAR (Initial):	Proposed LTAR (Rep	oair):
Proposed Wastewater Syster	n Type*:	(Initial)	Pump Required: Yes	No May be required
Proposed Wastewater Syster	n Type*:	(Repair)	Pump Required: Yes	No May be required
*Please include system classi	ification for proposed wastewa	iter system types in accordance	with 15A NCAC 18A .1961 T	able V(a)
Saprolite System (initial):	Yes No Saprolite	System (repair): Yes No)	
Fill System (Initial): Yes	☐ No If yes, specify: ☐ New	Existing (when adding m	ore than 6 inches of fill to sy	stem area provide a fill plan)
Fill System (repair): 🗌 Yes	☐ No If yes, specify: ☐ New	Existing (when adding m	ore than 6 inches of fill to s	ystem area provide a fill plan)
Usable Soil Depth (Initial):	Usable So	il Depth (Repair):		
Max. Trench Depth (Initial)‡:	Max. Trer	nch Depth (Repair)‡:	[‡] Measured on the	downhill side of the trench
Artificial Drainage Required:	Yes No If yes, please	specify details:		
Type of Water Supply: Pr	ivate well	Shared well Municipa	Supply Spring	Other:
Drainfield location meets rec	quirements of Rule .1945: Yes	☐ No ☐ Drainfield locati	on meets requirements of R	tule .1950: Yes 🔲 No 🗌
Permit valid for: Five year	rs [site plan submitted pursuar	nt to GS 130A-334(13a)] 🔲 No	o expiration [plat submitted	pursuant to GS 130A-334(7a)
Permit conditions:				
Licensed Soil Scientist Print N				
Licensed Soil Scientist Signat	ure: Xlex Xda	m₽	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 #:

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 Pois 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 #:	
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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:	
		55000		
	STA	Trul	A.	
is accurate and o	hereby attest that cicentist (Print Name) complete to the best of my knowledge and that the prelaws, regulations, rules, and ordinances.		required to be included with ement Permit meets all appli	
Signature	e of Licensed Soil Scientist		Date	
I HD Follow-u	The section below is for Local Health Department use of up Completeness Review of Improvement Pe		items noted as missing above.	
The review for c	ompleteness of this Improvement Permit re-submitta ermit 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:
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 I 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 #:

This Section for Local Health Department Use Only

	Initial submittal received:	b	,
		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 Improving Implicant of the components needed to conditional information to the local health Authorization. The local health department for the business that the Construction any period apply for the building permit for the project the project of the surface of the surface of the project of the project of the surface of the surfac	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 of the Authorization as to the Salaman and Construction Authorization as to the Salaman and Construction of completeness of the Local health department for the Internation of the Internation of the Internation of Construction Authorization for cause. It is suppend or revoke the Construction Authorization for cause. It is suppend 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 act within five busine 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

	LHD USE ONLY. This CA result mittal received:		by.	
	LHD USE ONLY: This CA resubmittal received:	Date	by	
The following i	tems are being resubmitted pursuant to G.S. 130A-33	55(a5) for issuance of	of the Construction Authoriza	ation:
		A TOTAL		
l,	hereby attest tha nsite Wastewater Evaluator (Print Name)	at the information r	equired to be included with	this re-submittal
is accurate and	complete to the best of my knowledge and that the and local laws, regulations, rules, and ordinances.	proposed Construc	tion Authorization meets all	applicable
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
LHD Follow-ւ	The section below is for Local Health Department use		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	red.)		
The following it	ems are missing:			
	THE SECTION OF THE PARTY OF THE	M AIDER	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

April 23, 2024 Project #1236

"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: McKay Place - Lot #32 – 273 Hawksmoore Ln. – Lillington, NC (Harnett County) for D.R. Horton

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 repair septic fields were sized based on a flow rate of 480 gallons/day and utilizing Accepted Status and/or a PPBPS (T&J Panel Block – 50% reduction) 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 local 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.

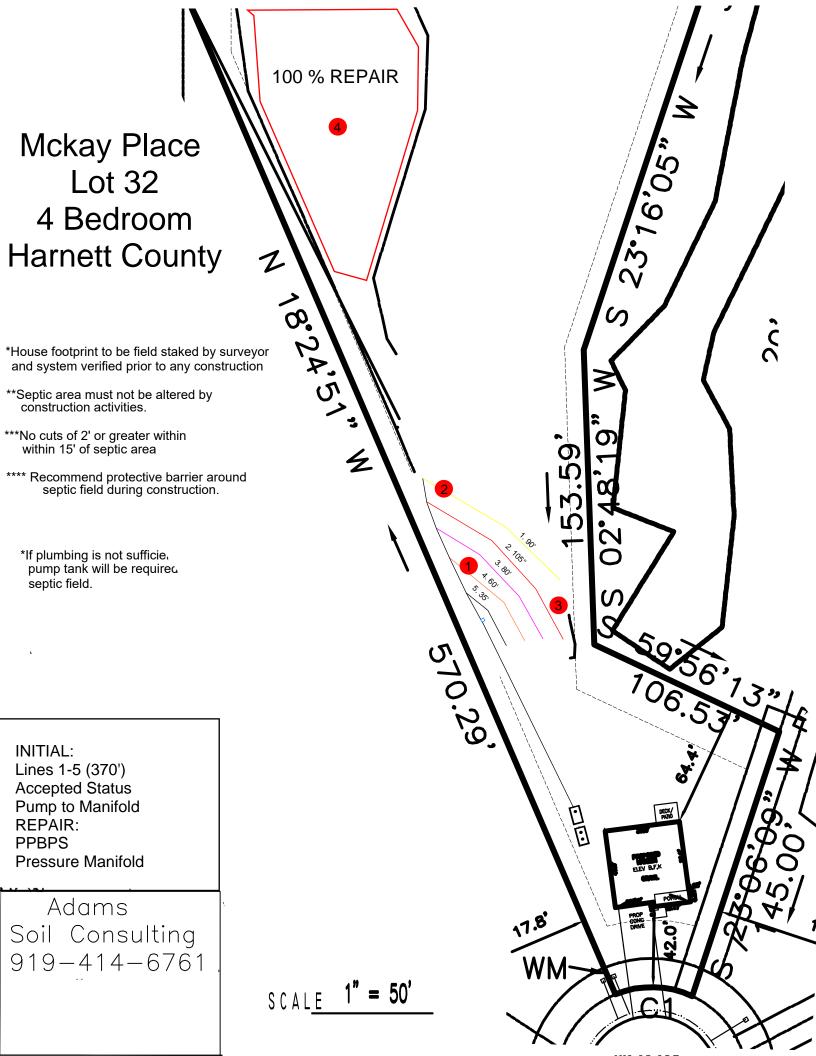
Sincerely,

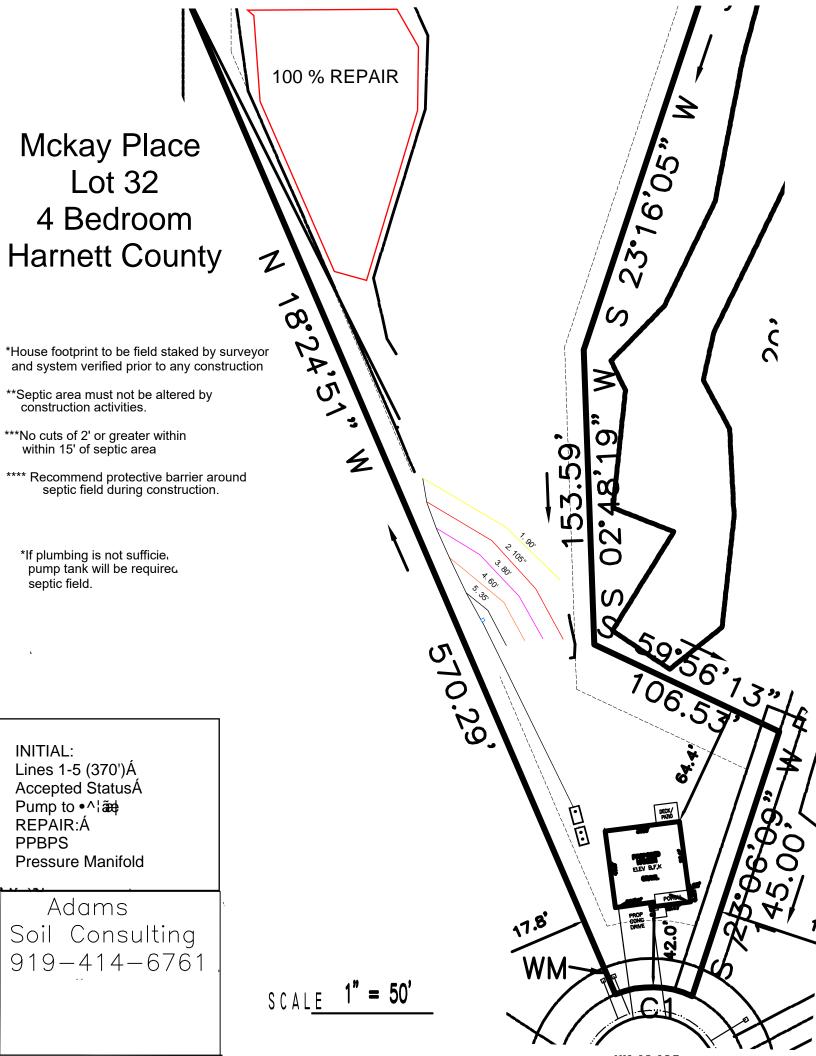
Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E









$\begin{array}{c} {\bf SOIL/SITE\ EVALUATION} \\ \textit{for}\ {\bf ON\text{-}SITE\ WASTEWATER\ SYSTEM} \end{array}$

(Complete all fields in full)

OWNER: D.R Horton

ADDRESS:

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

LOCATION OF SITE: 273 Hawksmoore Ln., Lillington NC 27546

WATER SUPPLY: Municipal Water

APPLICATION DATE: DATE EVALUATED: 04/11/24

DATE EVALUATED: 04/11/24 PROPERTY SIZE: 3.92 Acres

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
	8% Lisis	0-2	GR SL	VFR,NS,NP,SEXP	N.O	37"	N.O	N.O	P.S .35
		2-37	SBK CL	FR,SS,SP,SEXP					
1		37"	M SAP						
	8% Lisis	0-33	GR SL	VFR,NS,NP,SEXP	7.5110772	33"	N.O	N.O	U/P.S .6
					@ 33"				
2									
	8% Lisis	0-33	GR SL	VFR,NS,NP,SEXP	7.5110772	33"	N.O	N.O	U/P.S .6
					@ 33				
3									
	00/ 1	0.26	CD CI	VFR,NS,NP,SEXP	MO	2(22	NO	NO	II/D C (
4	8% Lisis	0-36	GR SL	VIIGINO,INI, SEAT	N.O	36"	N.O	N.O	U/P.S .6

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

COMMENTS:

