Permit/File #:	



ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes:	(a2) Improvement Peri	mit (a2) Constr	uction Authorizati	on	
	IMPRO	VEMENT PERMIT F	OR G.S. 130A	-335(a2)	
County:					
PIN/Lot Identifier:					
Issued To:					
Property Location:					
Subdivision (if applicat	ole)		Lot #:	Block:	Section:
LSS Report Provided: \	res No 🗌				
If yes, name and licens	e number of LSS:				
New 🗌	Expansion [System	Relocation	Change of Us	е 🗌
Facility Type:					
Number of bedrooms:	Number of Occupan	ts: Other:			
Design Wastewater Sti	rength: Domestic	High Strength	☐ Inc	dustrial Process Wastewate	r
Proposed Design Daily	Flow:GPD	Proposed LTAR (I	nitial):	Proposed LTAR (Repair)	:
Proposed Wastewater	System Type*:		(Initial) Pum	p Required: 🗌 Yes 🔲 No	May be required
Proposed Wastewater	System Type*:		(Repair) Pum _l	p Required: 🗌 Yes 🔲 No	May be required
*Please include system	classification for proposed w	astewater system types i	in accordance with	Rule .1301 Table XXXII	
Effluent Standard:	DSE HSE NSF/AN	NSI 40 TS-I TS-	-II RCW		
Saprolite System (Initia	al): 🗌 Yes 🔲 No Saj	prolite System (Repair): [Yes No		
Fill System (Initial): 🗌	Yes No If yes, specify:	New Existing (wh	hen adding more t	han 6 inches of fill to syster	n area provide a fill plan)
Fill System (Repair):	Yes No If yes, specify:	☐ New ☐ Existing (w	hen adding more	than 6 inches of fill to syste	m area provide a fill plar
Usable Depth to LC (In	itial) ^x :	Usable Depth to L	_C (Repair) ^x :	× Limiting C	ondition
Max. Trench Depth (In	itial)‡: Ma	ax. Trench Depth (Repair)) [‡] :	[‡] Measured on the dov	vnhill side of the trench
Artificial Drainage Req	uired: 🗌 Yes 🔲 No If yes,	please specify details:			
Type of Water Supply:	Private well Dublic v	well Shared well	Municipal Sup	ply Spring Oth	er:
Drainfield location me	ets requirements of Rule .050	8: Yes No Dra	ainfield location m	eets requirements of Rule .	.0601: Yes No No
Permit valid for: 🗌 Fiv	ve years [site plan submitted p	oursuant to GS 130A-334	(13a)] 🔲 No exp	iration [plat submitted purs	suant to GS 130A-334(7a
Permit conditions:					
Licensed Soil Scientist					
Licensed Soil Scientist	Signature: XLLX	Jamo		Date:	

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).



Permit/File #:	
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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 following:			
When an applicant for an Improvement Permit submits to a local health dedepartment, the common form developed by the Department, and a soil ewithin five business days of receiving the application, conduct a completent Permit includes all of the required components. If the local health department shall notify the applicant of the components needed to complete the Improdepartment to cure the deficiencies in the Improvement Permit. The local lies complete within five business days after the local health department received within any period set out in this subsection, the applicant may treat the common form for use as the Improvement Permit.	valuation pursuant to su less review of the submit lent determines that the ovement Permit. The app health department shall leives the additional infol	osection (a2) of this section, the local health tal. A determination of completeness means Improvement Permit is incomplete, the local licant may submit additional information to make a final determination as to whether the mation from the applicant. If the local healt!	department shall, that the Improvement health department the local health e Improvement Permit h department fails to
The review for completeness of this Improvement Permit w Permit is determined to be:	vas conducted in ac	cordance with G.S. 130A-335(a3). T	his Improvement
☐ Incomplete (If box is checked, information in this section	on is required.)		
The following items are missing:			
Copies of this were sent to the LSS and the Applicant on	Date		
State Authorized Agent:		Date:	
☐ Complete			
State Authorized Agent:		Date:	
This Improvement Permit is issued pursuant to G.S. 130A-attached here. The issuance of this permit in no way guar for checking with appropriate governing bodies in meeting bolat, or the intended use changes. The Improvement Permit is subject to compliance with the provisions of 15A. The Department, the Department's authorized agents, and any liabilities, duties, and responsibilities imposed by stat evaluations, submittals, or actions from a licensed soil science.	rantees the issuance g their requirement nit shall not be affe a NCAC 18E and to t d the local health d ute or in common l entist or licensed go	e of other permits. The permit hold s. This permit is subject to revocation cted by a change in ownership of the he conditions of this permit. epartments shall be discharged and aw from any claim arising out of or	er is responsible fon if the site plan, he site. This d released from attributed to
Improvement Permit Expiration Date:			

See attached site sketch



Permit/File #:

Re-submittal of Improvement Permit

	LHD USE ONLY: This IP resubmittal received:	Date	by	
		Dute	Illiuuis	
The following i	items are being resubmitted pursuant to G.S. 130A-335((a3) for issuance of	f the Improvement Permit:	
		TOTAL STATE		
	THE SIA	MF ~	Dr.	
l,	hereby attest that t	the information re	quired to be included with	n this re-submittal
is accurate and	Scientist (Print Name) complete to the best of my knowledge and that the pr l laws, regulations, rules, and ordinances.	oposed Improvem	ent Permit meets all appli	cable federal,
Signatui	re of Licensed Soil Scientist		Date	
	The section below is for Local Health Department use a	ıfter submittal of ite	ms noted as missing above.	
LHD Follow-	up Completeness Review of Improvement Pe	rmit		
	completeness of this Improvement Permit re-submittal Permit is determined to be:	l was conducted in	accordance with G.S. 130	IA-335(a3). This
☐ Incomplete	e (If box is checked, information in this section is require	ed.)		
The following it	tems are missing:			
Copies of this w	vere sent to the LSS and the Applicant on			
State Authorize	ed Agent:		Date:	
☐ Complete				
State Authorize	ed Agent:		Date:	



Permit/File #:

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County:			Pre-Construction Conference Required: Yes No
PIN/Lot Identifie	er:		
Issued To:			
Property Location	on:		
AOWE/PE Plans,	/Evaluations Provide	ed: Yes 🔲 No 🗀	If yes, name and license number of AOWE/PE:
Facility Type:			
Number of bedr	rooms: Nur	nber of Occupants	s: Other:
New	☐ Expansion	Repair	System Relocation Change of Use
Basement?	Yes	☐ No	Basement Fixtures? Yes No
Crawl Space?	Yes	☐ No	Slab Foundation? Yes No
Type of Wastew	vater System*		(Initial) (Repai
*Please include	system classification	for proposed was	stewater system types in accordance with Rule .1301 Table XXXII
Design Daily Flo	w:	_GPD W	/astewater Strength: ☐ Domestic ☐ High Strength ☐ Industrial Process WW
	14-120 Section 53, E Crovide engineering d		Utilizing Low-flow Fixtures and Low-flow Technologies? Yes No
Effluent Standar	rd: DSE H	ISE NSF/ANS	SI 40 TS-I TS-II RCW
Type of Water S	Supply: 🔲 Private w	ell 🔲 Public we	ell 🗌 Shared well 📗 Municipal Supply 🔲 Spring 🔲 Other:
Installation Req	uirements/Condition	ons .	
Septic Tank Size	: gallon	s Total Trench/I	Bed Length: feet Trench/Bed Spacing: feet on center
Trench/Bed Wid	dth: inches	S LTAR:	gpd/ft ² Usable Depth to LC (Initial) ^x : ^x Limiting condition
Soil Cover:	inches Slope (Corrected Maximu	ım Trench/Bed Depth [‡] : inches [‡] Measured on the downhill side of the trench
Pump Tank Size	(if applicable):	gallons	Requires more than 1 pump? Yes No
Pump Requirem	nents: ft. TDI	l vs GPM	Grease Trap Size (if applicable): gallons
Distribution Me	thod: Serial	D-Box or Paralle	el Pressure Manifold(s) LPP Other:
Artificial Drainag	ge Required: Yes	No ☐ If yes, p	please specify details:
Legal Agreemen	nts (If the answer is '	'Yes" to any type o	of legal agreements, please attach a copy of the agreement.)
Multi-party Agre	eement Required [.0	204(g)]: Yes	☐ No Declaration of Restrictive Covenants: ☐ Yes ☐ No
Easement, Right	t-of-Way, or Encroac	hment Agreement	t Required [.0301(b)]: Yes No
Management Er	ntity Required: 🔲 Y	es No Minir	mum O&M Requirements:
Permit condit	ions:		
			by reference into this permit and shall be met. Systems shall be installed in accordance
			horization is subject to revocation if the site plan, plat, or the intended use changes. The a change in ownership of the site. This Construction Authorization is subject to compliance
			8A .1900, as applicable, and to the conditions of this permit.
AOWE/PE Print	Name:		
AOWE/PE Signat	Λ Λ Ω .	Maamo	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/File #:	
Permit/File #:	

This Section for Local Health Department Use Only

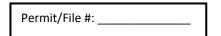
	Initial submittal received:	k	DY
		Date	Initials
G.S. 130A-335(a5) states the follow	ving:		
Improvement Permit and Construction Authoperatment, and any necessary signed and sengineer or a person certified pursuant to Audiengineer or a person certified pursuant to Audiengartment shall, within five business days of the Construction Authorization or Improvement of the Construction Authorization and the Construction Authorization and the Local health department of the Information to the local health department of the Construction is complete within five busines department fails to act within any period second properties of the project for the building permit for the project of the Local health department ficensed engineer submitting the evaluation and Construction or Improvement Permit and Construction or	orization application together, the per sealed plans or evaluations conducted ricle 5 of Chapter 90A of the General of receiving the application, conduct a sent Permit and Construction Authorization or Improvement Permit and Construction Authorization or Improvement Permit and Construction Authorization of splete the Construction Authorization of spartment to cure the deficiencies in the shall make a final determination as to see days after the local health department out in this subsection, the applicant if upon the decision of completeness of the or if the local health department fair pursuant to this subsection may requirense and to the construction Authorization for cause. Ususpend or revoke the Construction Authorization Authoriz	rmit fee charged by the lot by a person licensed pur Statutes as an Authorize a completeness review of ration includes all of the retruction Authorization is sor Improvement Permit a the Construction Authorization whether the Construction Authorization are the Construction Authorisis and the Construction Authorisis to act within five busing that the local health of Jpon written request of the tuthorization or Improvem	ation together, submits a Construction Authorization, or an ocal health department, the common form developed by the resuant 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 sincomplete, the local health department shall notify the read Construction Authorization. The applicant may submit action or Improvement Permit and Construction and Information from the applicant. If the local health rect as a determination of completeness. The applicant may rectain or Improvement Permit and Construction ress days. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction he Authorized On-Site Wastewater or licensed then the Permit and Construction pursuant to G.S.
The review for completeness of thi	s Construction Authorization v	was conducted in ac	cordance with G.S. 130A-335(a5). This
Construction Authorization is deter	mined to be:		
☐ Incomplete (If box is checked,	information in this section is re	equired.)	
The following items are missing:	187/18	1	
41 04			
Copies of this were sent to the AOV	NE/PE and the Applicant on	10	
		Date	
State Authorized Agent:			Date:
Complete			
State Authorized Agent:	M. T. Area		Date of Issuance:
attached here. This Construction A Construction Authorization shall n to compliance with the provisions The Department, the Department' any liabilities, duties, and responsiplans, evaluations, preconstruction the General Statutes as a licensed Authorized On-Site Wastewater Ev	tuthorization is subject to revo ot be affected by a change in of the Laws and Rules for Sev is authorized agents, and the ibilities imposed by statute or n conference findings, submit engineer or a person certified valuator in GS 130A-335(a2), (tments shall be responsible and e, including the issuance of the	ocation if the site p ownership of the si wage Treatment and local health departr r in common law fro tals, or actions fron d pursuant to Article (a5), and (a7). The D and bear liability for e operations permit	sing the signed and sealed plans or evaluations lan, plat, or the intended use changes. The te. This Construction Authorization is subject d Disposal and to the conditions of this permit. ments shall be discharged and released from om any claim arising out of or attributed to a person licensed pursuant to Chapter 89C of a 5 of Chapter 90A of the General Statutes as an department, the Department's authorized their actions and evaluations and other a pursuant to GS 130A-337.



Permit/File #:

Re-submittal of Construction Authorization

	LHD USE ONLY: This CA resubmittal received: _	Date	by	
The following it	tems are being resubmitted pursuant to G.S. 130A-33	35(a5) for issuance of	of the Construction Authoriza	l ation:
	ST. ST.	ATF	<i>D</i>	
is accurate and	hereby attest th nsite Wastewater Evaluator (Print Name) complete to the best of my knowledge and that the and local laws, regulations, rules, and ordinances.		equired to be included with tion Authorization meets all	
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
LHD Follow-ւ	The section below is for Local Health Department us up Completeness Review of Construction A		ems noted as missing above.	
	completeness of this Construction Authorization reson Authorization is determined to be:	submittal was condu	ucted in accordance with G.S	. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is requ	uired.)		
The following it	ems are missing:			
	AND 35E GUA	W Albers		
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:	





ADDENDUM TO G.S. 130A-335(a2) SUBMITTAL

County:	
PIN/Lot Identifier:	
Issued To:	
Additional Improvement Permit Conditions:	
E STATE	
6 N N N N N N N N N N N N N N N N N N N	
Net lend state to the second s	
Additional Construction Authorization Conditions:	
1PRII 12 1776	
White The state of	
QUAM VI	

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

alexadams@bcsoil.com

June 16, 2025 Project #1769

"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: 748 Beacon Hill Rd – Lillington, NC (Harnett County) -Lot #49 – Duncan's Creek Subdivision for New Home Inc., LLC (PIN# 0630-21-7525)

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, State Subsurface Rules, 15ANCAC 18E. From this evaluation, ASC is providing the attached 4-bedroom (360 gallon/day) septic design. This submittal is in conjunction with a separately submitted "engineered flow reduction".

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 an Accepted Status or 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 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

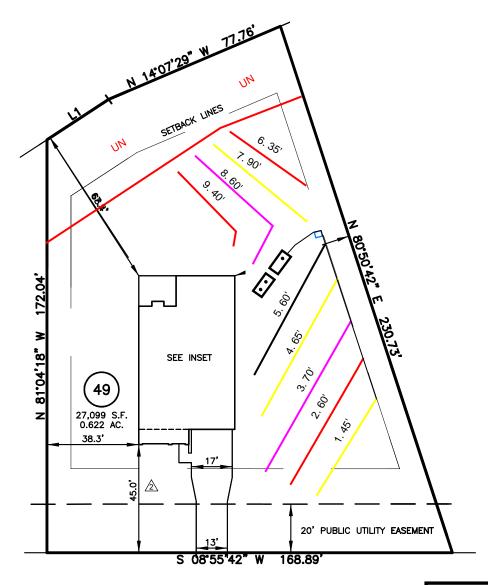
NC Licensed Soil Scientist #1247 AOWE Certification: 10021E





Duncan Creek Lot 49 4 BR, w/ 360 gpd Harnett County

- *House footprint to be field staked by surveyor and system verified prior to any construction
- **Septic area must not be altered by construction activities.
- ***No cuts of 2' or greater within within 15' of septic area
- **** Recommend protective barrier around septic field during construction.
 - *If plumbing is not sufficient a pump tank will be required to septic field



BEACON HILL ROAD 50' PUBLIC R/W

Adams Soil Consulting 919—414—6761



INITIAL:

Lines 1-5 (300') Accepted Status

Pressure Manifold

REPAIR:

Lines 6-9 (225')

PPBPS

Pressure Manfiold

RESIDENTIAL PRESSURE MANIFOLD DESIGN

Permit # <u>Duncan Creek Lot 49</u>

of BDR: 4 Daily Flow: 360 gal/day L.T.A.R.: 0.3500 gal/day/sq.ft

Septic Tank: 1000 gals Pump Tank: 1000 gals Sq. Foot: 900 System Type: Accepted

Number of Taps: 5 Length of Trenches: 300 ft(See Tap Chart for Details)

Depth of Trenches: 20 in Manifold Length: 48 in

Manifold Diameter: 4in sch 80pvc Tap Configuration: 6 in spacing 1 side(s) of manifold

Supply Line: length: 50 ft Diameter: 2 in sch 40pvc

Friction Loss + Fitting Loss: 3.14 ft(supply line length + 70' for fittings in pump tank)

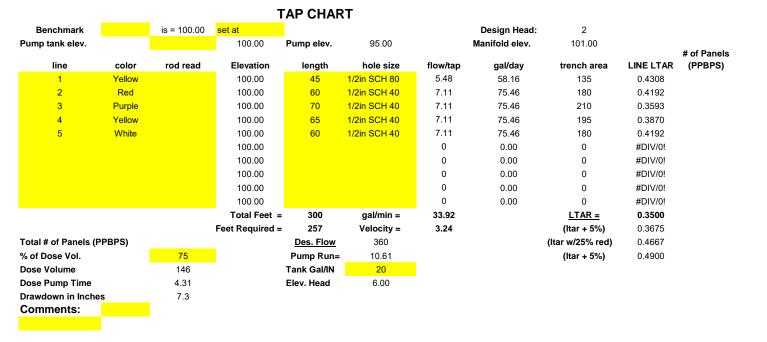
Design Head: $\underline{2}$ ft Elevation Head: $\underline{6.00}$ ft

Total Head: 11.14 ft Pump to Deliver: 33.92 gals/min at 11.14 ft head

Dosing Volume: <u>146</u> gals,

Drawdown: 146 gals divided by $\underline{20}$ gals/in = $\underline{7.3}$ inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.



	Page <u>1</u> of <u>1</u>
PROPERTY ID #: _	0630-21-7525
COUNTY: _	Harnett

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM (Complete all fields in full)

OWNER:	6/10/2025
ADDRESS: Cingle Femily 4 PD PD op of ED_PEGGOVEY OVY (0.400) 200 and PD op of ED_PEGGOVEY OVY (0.400) 200 and PD op of ED_PEGGOVEY OVY (0.400) 200 and PD op of ED_PEGGOVEY OVY (0.400) 200 and PD op of ED_PEGGOVEY OVY (0.400) 200 and PD op of ED_PEGGOVEY OVY (0.400) 200 and PD op of ED_PEGGOVEY OVY (0.400)	
PROPOSED FACILITY: Single Family 4 BR PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: LOCATION OF SITE: 748 Beacon Hill Rd. Lillington NC 27546 PROPERTY RECORDER	.62 Acres
WATER SUPPLY: Public Single Family Well Shared Well Spring Other WATER SUPPLY SETB.	
EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Domestic High Streng	

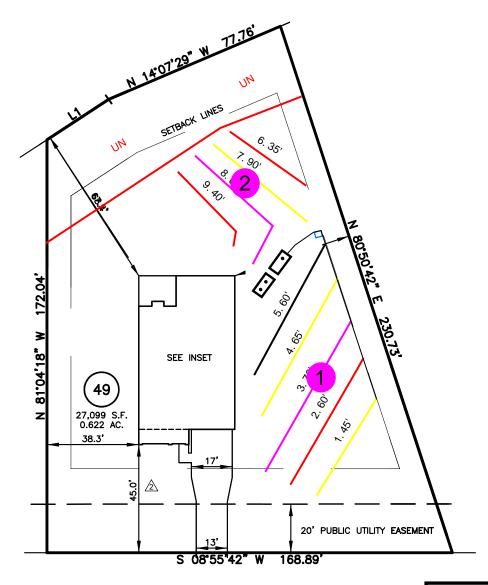
EVAL	VALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☑ Domestic ☐ High Strength ☐ IPWW										
P R O F I			SOIL MORPHOLOGY		OTHER PROFILE FACTORS						
L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION	
		0-12	GR SL	VFR,SEXP,NS		7.5 yr 33" 7/2 @		N.O	U/P.S .35		
	Linear	12-33	SBK SCL	FR,SEXP,SS						1"	
1	2%						N.O				
					33"						
		0-24	GR SL	VFR,SEXP,NS					P.S		
		24-36	SBK SCL	FR,SEXP,SS							
2	Linear 2%				N.O	36"	N.O	N.O	.4	1"	
3											
					-						
4											

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	S	S	SITE CLASSIFICATION (.0509): U/P.S
System Type(s)	III B	III B	EVALUATED BY: Bobby Weaver/Alex Adams
Site LTAR	.35	.35	OTHER(S) PRESENT:
Maximum Trench Depth	20"	20"	
Comments:			

NCDHHS/DPH/EHS/OSWP Revised January 2024
Form SSE-24.2

Duncan Creek Lot 49 4 BR, w/ 360 gpd Harnett County

- *House footprint to be field staked by surveyor and system verified prior to any construction
- **Septic area must not be altered by construction activities.
- ***No cuts of 2' or greater within within 15' of septic area
- **** Recommend protective barrier around septic field during construction.
 - *If plumbing is not sufficient a pump tank will be required to septic field



BEACON HILL ROAD 50' PUBLIC R/W

Adams Soil Consulting 919—414—6761

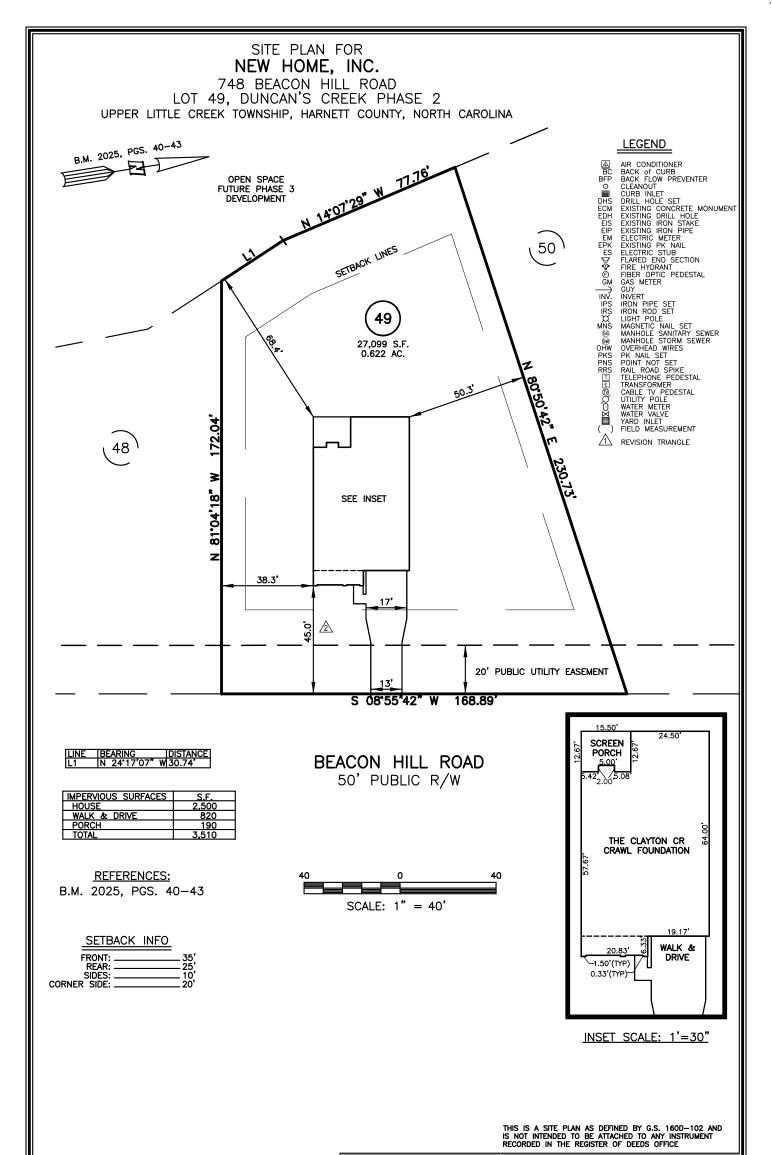


INITIAL:

Lines 1-5 (300')
Accepted Status
Pressure Manifold
REPAIR:
Lines 6-9 (225')

PPBPS

Pressure Manfiold



SITE PLAN NOT FOR RECORDATION, CONVEYANCE OR SALES

REV CODE: 1.FLIP, 2.PLAN, 3.ROTATE, 4.MOVE, 5.SS 6.SEVERAL OF ABOVE, 7.LAND FEATURE, 8. OTHER

REV2: JUN. 13, 2025(4) REV1: JUN. 09, 2025(2) DATE: MAY 21, 2025

F.B. _____

RIMK, PA ENGINEERING ~ SURVEYING

ENGINEERING ~ SURVEYING
CORPORATE LICENSE: C-1771
101 W. MAIN ST., SUITE 202

101 W. Main St., Suite 202 Garner, NC 27529 Phone (919) 779-4854 Fax (919) 779-4056 NS CREEK/DNCK49/DUNCAN CREEK 49.DWG