

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Application for Services

This application, in conjunction with the common form established in G.S. 130A-335(a3) and (a5), is optional for local health departments to be used for applications submitted in accordance with G.S. 130A-335(a2), (a3), and (a5). [hereinafter, G.S. 130A-335(a3) and (a5) permits referred to as (a2) Improvement Permit and (a2) Construction Authorization]

Applying for: ☑ (a2) Improvement Permit ☑ (a2) Construction Authorization □	(a2) Repair/Construction Authorization
Please check one of the following:	hange of Use Repair
Property Owner Name: KB Home Raleigh-Durham, Inc.	
Property Owner Mailing Address: 1800 Perimeter Park Dr., Ste. 140, Morrisville, NC 2750	60
Property Owner Phone Number: 919-768-7995	
Property Owner Email Address: raleighpermits@kbhome.com	
Applicant Name: Same	
Applicant Mailing Address:	
Applicant Phone Number:	
Applicant Email Address:	
Does the property include, or is subject to, any of the following: Yes ✓ No Previously identified jurisdictional wetlands Yes ✓ No Existing or proposed easements, rights-of-way, encroachm Yes ✓ No Approval by other public agencies A site plan or plat is required, OR the site sketch submitted from the LSS/AOWE, must (A) existing and proposed facilities, structures, appurtenances, and wastewater s (B) proposed wastewater system showing setbacks to property line(s) or other fix (C) existing and proposed vehicular traffic areas (D) existing and proposed water supplies, wells, springs, and water lines; and (E) surface water, drainage features, and all existing and proposed artificial drain.	st include the following: systems exed reference point(s) mage, as applicable.
I understand that the documentation and fees, as required in G.S. 130A-335(a2), (a3) are to be used to issue an Improvement Permit and/or Construction Authorization properties of the understand that authorized county and state officials are granted right of entry to the conduct necessary inspections to determine compliance with applicable laws and rule the application for an Improvements Permit and/or Construction Authorization is fals the Improvement Permit and Construction Authorization shall become invalid. Applicant Signature: Rachel Cavalear	sursuant to G.S. 130A-335(a2),(a3), and (a5). I the property indicated on this application to les. I understand that if the information in
	Date: 3/13/2025

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES . DIVISION OF PUBLIC HEALTH

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

Division of Public Resign
Submittal Includes: (a2) Improvement Permit (a2) Construction Authorization Fee \$
IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)
County: Harnett
PIN/Lot Identifier: 0549-07-7516.000
Issued To: KB Home Raleigh-Durham, Inc., 1800 Perimeter Park Dr., Ste. 140, Morrisville, NC 27560
Property Location: 42 Caspian Ct., Lillington, NC 27546
Subdivision (if applicable) Elyse Meadows Lot #: 9 Block: Section:
LSS Report Provided: Yes No No
If yes, name and license number of LSS: Michael D. Eaker, 1030
New Expansion System Relocation Change of Use Facility Type: Single Family Dwelling
Number of bedrooms: 3 Number of Occupants: 6 or less Other:
Design Wastewater Strength: Domestic High Strength Industrial Process Wastewater
Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): 0.3 gpd/ft2 Proposed LTAR (Repair): 0.3 gpd/ft2
Proposed Wastewater System Type*: Pump to Accepted (25% reduction) (Initial) Pump Required: Ves C No. C May be required
Proposed Wastewater System Type*: Pump to Accepted (25% reduction) (Repair) Pump Required: Ves No May be required
*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII
Effluent Standard: DSE HSE NSF/ANSI 40 TS-I TS-II RCW
Saprolite System (Initial): Yes No Saprolite System (Repair): Yes No
Fill System (Initial): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Fill System (Repair): Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Usable Depth to LC (Initial)*: 40" Usable Depth to LC (Repair)*: 32" **Limiting Condition Max. Trench Depth (Initial)*: 18-24" Max. Trench Depth (Repair)*: 16" **Measured on the downhill side of the trench
Max. Trench Depth (Initial)*: 18-24" Max. Trench Depth (Repair)*: 16" *Measured on the downhill side of the trench
Artificial Drainage Required: Yes No If yes, please specify details:
Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other:
Drainfield location meets requirements of Rule .0508: Yes 🔳 No 🗌 Drainfield location meets requirements of Rule .0601: Yes 🔳 No 🗍
Permit valid for: Five years [site plan submitted pursuant to GS 130A-334(13a)] No expiration [plat submitted pursuant to GS 130A-334(7a)]
Permit conditions: Install as per detail sheet and map. Do not disturb, compact, rut or cut any soil within the septic drainfield area. Ensure 6 inches approved fill cover is maintained over system after installation. Certification Number 10013E Start line 1 near rear property line at 18" trench bottom depth. Trench will be 24 deep fear road.
Licensed Soil Scientist Brint Name, Michael D. Faker
licensed Soil Scientist Signature: 1/1/h
The 155 and varies in his section 1.
The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 1304-335(a2).

NCDHHS/DPH/EHS/OSWP



Permit/File #:_		
		- 1

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 departm department, the common form developed by the Department, and a soil evaluati within five business days of receiving the application, conduct a completeness revelopermit includes all of the required components. If the local health department deshall notify the applicant of the components needed to complete the Improvement department to cure the deficiencies in the Improvement Permit. The local health is complete within five business days after the local health department receives the act within any period set out in this subsection, the applicant may treat the failur common form for use as the Improvement Permit.	on pursuant to sub view of the submitt termines that the I nt Permit. The appi department shall n he additional infor	section (a2) of this section, the local he al. A determination of completeness m mprovement Permit is incomplete, the licant may submit additional information hake a final determination as to whether mation from the applicant. If the local i	ealth department shall, eans that the Improvement local health department on to the local health er the Improvement Permit
The review for completeness of this Improvement Permit was co Permit is determined to be:	enducted in acc	ordance with G.S. 130A-335(a3). This Improvement
☐ Incomplete (If box is checked, information in this section is r	equired.)		
The following items are missing:			
Copies of this were sent to the LSS and the Applicant on State Authorized Agent:	Date	— Date:	
☐ Complete			
State Authorized Agent:		Date:	
This Improvement Permit is issued pursuant to G.S. 130A-335 (a attached here. The issuance of this permit in no way guarantee for checking with appropriate governing bodies in meeting thei plat, or the intended use changes. The Improvement Permit shapermit is subject to compliance with the provisions of 15A NCA The Department, the Department's authorized agents, and the any liabilities, duties, and responsibilities imposed by statute of evaluations, submittals, or actions from a licensed soil scientist	es the issuance r requirements all not be affect C 18E and to the local health de r in common la	of other permits. The permit is subject to revoluted by a change in ownership ne conditions of this permit. Expartments shall be discharged by from any claim arising out of	nolder is responsible cation if the site plan, of the site. This and released from of or attributed to
Improvement Permit Expiration Date:			



,	Cimily	 116	тт.	

Re-submittal of Improvement Permit

	LHD USE ONLY: This IP resubmittal received:	by Initials	-
The following is	ems are being resubmitted pursuant to G.S. 130A-335(a3) for issuance	e of the Improvement Permit	:
is accurate and	hereby attest that the information hereby attest that the information hereby attest that the information complete to the best of my knowledge and that the proposed Improviations, rules, and ordinances.		
Signature	e of Licensed Soil Scientist	Date	
LHD Follow-u	The section below is for Local Health Department use after submittal of p Completeness Review of Improvement Permit	items noted as missing above.	
The review for comprovement Pe	ompleteness of this Improvement Permit re-submittal was conducted rmit is determined to be:	d in accordance with G.S. 130	DA-335(a3). This
□ Incomplete			
The following ite	(If box is checked, information in this section is required.) ems are missing:		
The following ite	erre sent to the LSS and the Applicant on		
The following ite	ems are missing:	_ Date:	
The following ite	erre sent to the LSS and the Applicant on	Date:	



D:4/E!!- #	
Permit/File #:	

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

County: Harnett Pre-Construction Conference Required: Yes No
PIN/Lot Identifier: 0549-07-7516.000 - Elyse Meadows, Lot 9
Issued To: KB Home Raleigh-Durham, Inc., 1800 Perimeter Park Dr., Ste. 140, Morrisville, NC 27560
Property Location: 42 Caspian Ct., Lillington, NC 27546
AOWE/PE Plans/Evaluations Provided: Yes No I f yes, name and license number of AOWE/PE: Michael D. Eaker 10013E
Facility Type: Single Family Dwelling
Number of bedrooms: 3 Number of Occupants: 6 or less 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 Wastewater System* Pump to Accepted (25% reduction) (Initial) Pump to Accepted (25% reduction) (Repair)
*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII
Design Daily Flow: 360 GPD Wastewater Strength: Domestic High Strength Industrial Process WW
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes (if yes, please provide engineering documentation)
Effluent Standard: DSE
Type of Water Supply: Private well Public well Shared well Municipal Supply Spring Other:
Installation Requirements/Conditions
Septic Tank Size: 1000 gallons Total Trench/Bed Length: 305 feet Trench/Bed Spacing: 9 feet on center
Trench/Bed Width: 36 inches LTAR: 0.3 gpd/ft² Usable Depth to LC (Initial)*: 40" *Limiting condition
Soil Cover: 6+ inches Slope Corrected Maximum Trench/Bed Depth [‡] : 18-24* (see note) inches * Measured on the downhill side of the trench
Pump Tank Size (if applicable): 1000 gallons Requires more than 1 pump? Yes No
Pump Requirements: 12.62 ft. TDH vs. 18.07 GPM Grease Trap Size (if applicable): gallons
Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other:
Artificial Drainage Required: Yes No III 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 [.0204(g)]: ☐ Yes ■ No Declaration of Restrictive Covenants: ☐ Yes ■ No
Easement, Right-of-Way, or Encroachment Agreement Required [.0301(b)]: Yes
Management Entity Required: Yes No Minimum O&M Requirements:
Permit conditions: Install as per detail sheet and map. Do not disturb, compact, rut or cut any soil within the septic drainfield area. Ensure 6 inches approved fill cover is maintained over system after installation. Start line 1 near rear property line at 18" trench bottom depth. Trench will be 24" deep near road.
The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. 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 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.
AOWE/PE Print Name: Michael D. Eaker
AOWE/PE Signature:
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 #:	

This Section for Local Health Department Use Only

		by
	Date	Initials
G.S. 130A-335(a5) states the following:		
When an applicant for a Construction Authorization, or an Improvement Permit Improvement Permit and Construction Authorization application together, the p Department, and any necessary signed and sealed plans or evaluations conduct engineer or a person certified pursuant to Article 5 of Chapter 90A of the General department shall, within five business days of receiving the application, conduct the Construction Authorization or Improvement Permit and Construction Authorization Authorization or Improvement Permit and Consplicant of the components needed to complete the Construction Authorization additional information to the local health department to cure the deficiencies in Authorization. The local health department shall make a final determination as a Authorization is complete within five business days after the local health department department fails to act within any period set out in this subsection, the applican apply for the building permit for the project upon the decision of completeness of Authorization by the local health department or if the local health department plicensed engineer submitting the evaluation pursuant to this subsection may required and construction authorization for cause. Authorization or Improvement Permit and Construction Authorization for cause. engineer, the local health department shall suspend or revoke the Construction at 130A-23. The Department shall develop a common form for use as the Construction.	ermit fee charged by the ed by a person licensed purel Statutes as an Authoriza a completeness review of ization includes all of the struction Authorization is a or Improvement Permit the Construction Authorization to whether the Construction ment receives the addition that the failure the fifthe Construction Authorization and to act within five busing usest that the local health Upon written request of I Authorization or Improver	local health department, the common form developed by the ursuant to Chapter 89C of the General Statutes as a licensed and On-Site Wastewater Evaluator, the local health of the submittal. A determination of completeness means that required components. If the local health department incomplete, the local health department shall notify the and Construction Authorization. The applicant may submit eation or Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health act as a determination of completeness. The applicant may rization or Improvement Permit and Construction health act as a determination of completeness. The applicant may rization or Improvement Permit and Construction department revoke or suspend the Construction of the Authorized On-Site Wastewater Evaluator or licensed.
The review for completeness of this Construction Authorization	was conducted in ac	cordance with G.S. 130A-335(a5). This
Construction Authorization is determined to be:		222, 223, 1113
☐ Incomplete (If box is checked, information in this section is	required.)	
The following items are missing:		
Copies of this were sent to the AOWE/PE and the Applicant on _	Date	
State Authorized Agent:		Date:
☐ Complete		
State Authorized Agent.		
State Authorized Agent:		Date of Issuance:
State Authorized Agent: This Construction Authorization is issued pursuant to G.S. 130A attached here. This Construction Authorization is subject to rev Construction Authorization shall not be affected by a change in to compliance with the provisions of the Laws and Rules for Se The Department, the Department's authorized agents, and the	a-335(a2) and (a5) us vocation if the site p ownership of the si wage Treatment and	sing the signed and sealed plans or evaluations lan, plat, or the intended use changes. The ite. This Construction Authorization is subject d Disposal and to the conditions of this permit.



Permit/File #:	
-	

Re-submittal of Construction Authorization

The following i	LHD USE ONLY: This CA resubmittal received:	Date	by	rization.
is accurate and	nsite Wastewater Evaluator (Print Name) complete to the best of my knowledge and that the			
Signatui	following items are being resubmitted pursuant to G.S. 130A-335(a5) for issuance of the Construction Authorization: Authorized Onsite Westewater Evaluator (Print Name)			
The review for	up Completeness Review of Construction Accompleteness of this Construction Authorization re	Authorization		
☐ Incomplete	(If box is checked, information in this section is requ	uired.)		
		Date	-	
☐ Complete	ed Agent:ed Agent:		Date:	



Permit/File #:	

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

County: Harnett
PIN/Lot Identifier: 0549-07-7516.000, Elyse Meadows, Lot 9
Issued To: KB Home Raleigh-Durham, Inc., 1800 Perimeter Park Dr., Ste. 140, Morrisville, NC 27560
Additional Improvement Permit Conditions: See attached detail sheet
Additional Construction Authorization Conditions: See attached detail sheet

Southeastern Soil & Environmental Associates, Inc.

PO Box 9321
Fayetteville, NC 28311
Phone/Fax (910) 822-4540
Email mike@southeasternsoil.com

March 13, 2025

KB Home Raleigh-Durham, Inc. 1800 Perimeter Park, Suite 140 Morrisville, NC 27560

Re: Soil/site evaluation for subsurface waste disposal (GS 130A-335(a2)/SL 2022-11), PIN 0549-07-7516.000, 42 Caspian Ct., Elyse Meadows Subdivision, Lot 9, Lillington, Harnett County, North Carolina

A soil/site evaluation has been conducted on the aforementioned property at your request. The purpose of the investigation was to determine if soils were suitable for a subsurface waste disposal system (conventional, accepted and innovative) to serve a proposed single-family residence (4-bedroom home). All ratings and determinations were made in accordance with "On Site Wastewater Rules, 15A NCAC 18E". This LSS evaluation is being submitted to meet the requirements of GS 130A-335(a2)/SL 2022-11.

The soil evaluation was completed on March 12, 2025. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (3-5% slope). Soil borings conducted in most of this area consisted of 8 or more inches of loamy sand underlain by sandy loam, sandy clay loam, clay and/or sandy clay to 48 or more inches below the soil surface. Soil wetness and/or parent material (greater than 50%) was not observed shallower than 40 inches below the soil surface (initial system) and 32 inches (repair system). All other soil characteristics were suitable to at least 48 inches.

Based on soil borings and site conditions, the site would be designated suitable for a pump to a shallow pump to accepted subsurface waste disposal drainfield (0.30 gal/day/ft2 LTAR; initial system). There is enough suitable soil area to allow for a pump to an accepted subsurface waste disposal system repair (0.30 gal/day/ft2). A map showing the approximate location of the site and proposed septic layout accompanies this report. [Note: No grading, rutting or other soil disturbance can occur in or near the proposed septic area. Any grading can alter the findings of this report and render the site unusable. As such, we recommend the builder protect the proposed septic areas with rope, flagging, fencing, etc.]

Design Summary

- Pump to Accepted product with pressure manifold (305', see septic layout)
- 360 gal/day flow rate (3BR)
- 18-24" maximum trench depth (initial)
- 1000-gallon septic and pump tank (certified watertight)
- Pump to produce 18.07 gal/min @ 12.62 feet TDH
- Pump dose 139 gallons (6.9-inch drawdown)
- 0.30 gpd/ft2 LTAR (initial and repair)
- No grading, rutting or filling in septic areas
- No vertical cuts (greater than 2') within 15' of septic lines/areas
- Keep tanks and drainlines 10' from property lines
- Keep supply line 5 or more feet from property lines
- Install in dry soil conditions
- Maintain natural contours when clearing the lots
- Direct gutter water away from septic system

During site construction, it is important not to impact and suitable or provisionally suitable soil areas with activities such as excavation or filling. Only the vegetation should be removed in the areas of the proposed septic drainfields to prevent any disturbance of naturally occurring soil. We recommend all lot clearing activity be delayed until the local health department issues a permit.

To the extent possible, we have identified the soil types that will impact the flow of wastewater on this site and have provided a professional opinion as to the best septic system layout. This report does not guarantee that the proposed septic system will properly function for any specific length of time.

Sincerely,

Mike Eaker

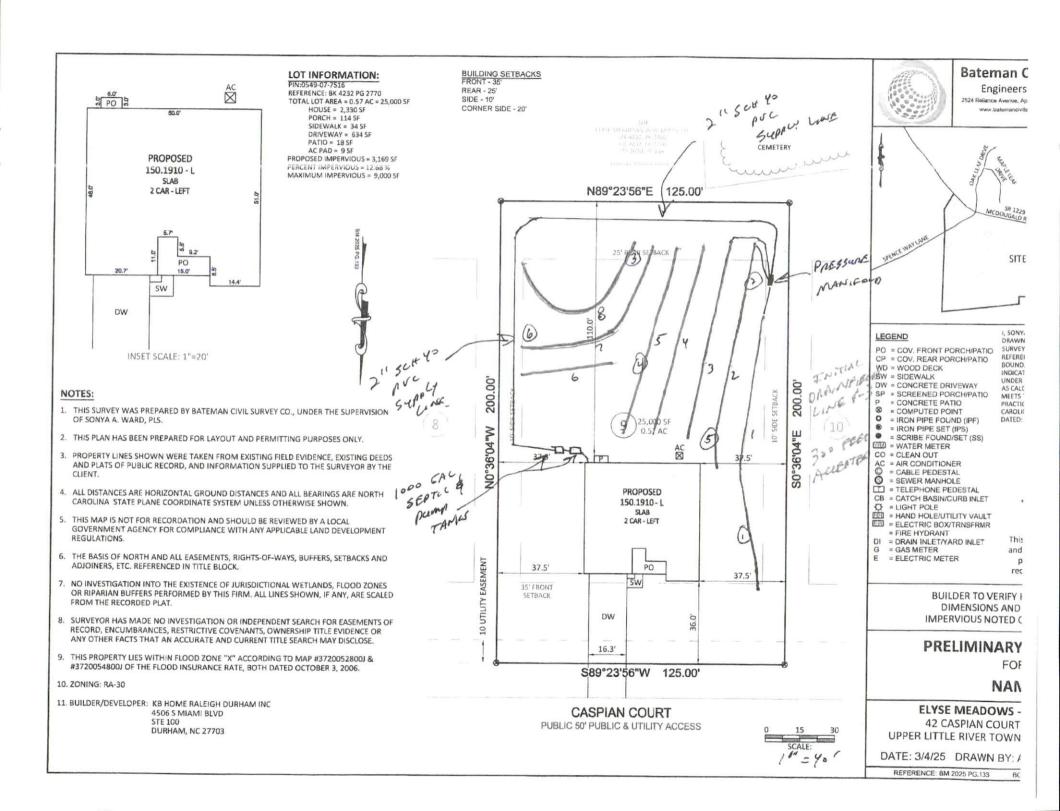
NC Licensed Soil Scientist # 1030

NC Authorized Wastewater Evaluator 10013E

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

	SUBDIV	ISION: Elys	e Meadows		LOT 9
	INITIAL	SYSTEM: Ac	cepted 25% Reduc	tion	REPAIR: Accepted 25% Reduction
	DISTRIB	UTION: Pres	ssure Manifold		DISTRIBUTION Pressure Manifold
	BENCHI	MARK:	100.0		LOCATION RC 9/10
	NO. BEI	DROOMS: 3	1		LTAR 0.30 gpd/ft2
	SEPTIC	TANK SIZE 1	000 Gallons		PUMP TANK SIZE 1000 Gallons
	LINE	FLAG	COLOR	ELEVATION	LENGTH
	_ 1	P/F		98.50	115
Initial	_ 2	W		98.10	100
muai	3	В		97.80	90
					305 TOTAL
Repair	4	R		97.10	100
	5	W		96.80	100
	6	R		96,70	100
		Р В		96.50 95.60	300 TOTAL
	BY Mil	ke Eaker			DATE 3/12/25
	TYPICAL	PROFILE			THERE SHALL BE NO GRADING,
	0-23	LS/SL	VFr/Fr/Gr		CUTTING, LOGGING OR OTHER SOIL
Initial	23-48	SCL/SC	Fi/SBk		DISTURBANCE IN SEPTIC AREA
	CR2/₽	40"			HEALTH DEPARTMENT USE ONLY.
					DESIGNS DO NOT GURANTEE FUNCTIONALITY
	8-0	LS/SL	VFr/Fr/Gr		
Repair	8-48				Certification Number 10013E
	CR2/P	32"			THE WALVATOR MINISTER



RESIDENTIAL PRESSURE MANIFOLD DESIGN

Permit#

Elyse Meadows Lot 9

of BDR:

3 Daily Flow:

in

ft

360 gal/day

L.T.A.R.: 0.3000 gal/day/sq.ft

Septic Tank:

1000

gals

Pump Tank:

2.62

1000 gals Sq. Foot:

915

System Type: Accepted

Number of Taps:

3

Length of Trenches:

305

ft(See Tap Chart for Details)

Depth of Trenches:

in

18-24

Manifold Length:

36

side(s) of manifold

Manifold Diameter: Supply Line: length:

4in sch 80pvc

2

Tap Configuration: 6 in spacing

1

250 ft Diameter:

2 in sch 40pvc

Friction Loss + Fitting Loss:

ft(supply line length + 70' for fittings in pump tank)

Design Head: Total Head:

Elevation Head:

8.00

12.62 ft

139

Pump to Deliver:

18.07

12.62

ft head

Dosing Volume:

Drawdown:

139 gals,

gals divided by

20

gals/in =

6.9

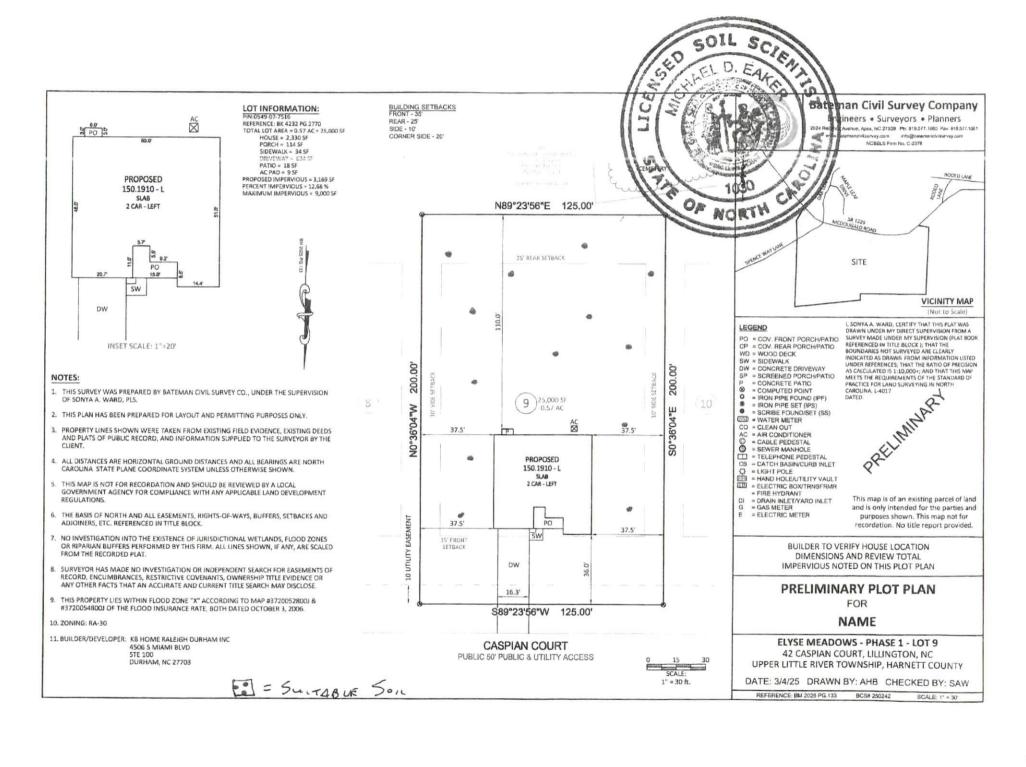
inches

gals/min at

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.

TAP CHART

Benchmark	4.3	is = 100.00	FC 9/10				Design Head:	2			
Pump tank elev.		7.8	96.50	Pump elev.	91.50		Manifold elev.	99.50			
line.										# of Panels	Spacing of
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	(PPBPS)	Panels (in
1	P/P	5.80	98.50	115	1/2in SCH 40	7.11	141.65	345	0.4106		
2	W	6.20	98.10	100	1/2in SCH 80	5.48	109.18	300	0.3639		
3	В	6.50	97.80	90	1/2in SCH 80	5.48	109.18	270	0.4044		
			104.30			0	0.00	0	#DI\//0!		
			104.30			0	0.00	0	#DIV/01		
			104.30			0	0.00	0	#DI\//0!		
			104.30			0	0.00	0	#DIV/0!		
			104.30			0	0.00	0	#DI\//0!		
			104.30			0	0.00	0	#DI\//0!		
			104.30			0	0.00	0	#DI\//0!		
			Total Feet =	305	gal/min =	18.07		LTAR =	0.3000		
			Feet Required =	300	Velocity =	1.73		(Itar + 5%)	0.3150		
Total # of Panels ((PPBPS)			Des. Flow	360			(Itar w/25% red)	0.4000		
% of Dose Vol.		70		Pump Run=	19.92			(ltar + 5%)	0.4200		
Dose Volume		139		Tank Gal/IN	20						
Dose Pump Time		7.68		Elev. Head	8.00						
Drawdown in Inch	ies	6.9									
Comments:											



DEPARTMENT OF HEALTH AND HUMAN SERVICE DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
ID #:
COUNTY: Harnett

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

OWNER: KB Homes

ADDRESS: 1800 Perimeter Park Dr., Ste. 140, Morrisville, NC 27560

PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.1949): 360 GPD (3BR)

LOCATION OF SITE: 42 Caspian Ct., Lillington (Lot 9) Elyse

WATER SUPPLY: Private X Public Well Spring Other

APPLICATION DATE DATE EVALUATED:03/12/25 PROPERTY SIZE: 0.57 Ac PROPERTY RECORDED

P R O F I L E	.1940 LANDSCAPE POSITION/ SLOPE %	HOD: X AU HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				al Process Mixed	
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPR O CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR	
	LS 2-4%	0-13	LS/Gr	VFr/Nexp	>48"	42"	NA	NA	Suitable	
		13-31	LS/SL/Gr	VFr/Nexp	10YR 6/4				0.30	
1		31-40	SCL/mm sbk	Fi/SExp	10YR 5/8					
		40-48	SCL/SC/wfsbk	Fi, SExp	7.5YR 5/8					
_					2.5YR 5/8 mot					
	LS 2-4%	0-8	LS/Gr	VFr/Nexp	>48"	NA	NA	NA	Suitable	
		8-23	SL/SCL/wf sbk	Fr/Fi/SExp	10YR 6/4 10YR 5/8				0.30	
2		23-42	SL/wf sbk	Fr/SExp	10YR 6/6					
		42-48	SC/wfsbk	Fi, SExp	7.5YR 5/8 mot					
	LS 2-4%	0-8	LS/Gr	VFr/Nexp	32"	NA	NA	NA	Suitable	
		8-17	SC/C/mm sbk	Fi/Sexp	7.5YR 5/8				0.30	
3		17-32	SCL/mm sbk	Fi/SExp	10YR 5/8					
		32-48	SC/wf sbk/mass	Fi/SExp	10YR 5/8 2.5YR 5/8 mot					
					10YR 7/1 mot					
	LS 2-4%	0-14	LS/SL/Gr	Fr/Nexp	36"	NA	NA	NA	Suitable	
		14-22	SL/Gr	VFr/Nexp	10YR 6/4				0.30	
4		22-36	SC/mm sbk	Fi/SExp	10YR 5/8					
		36-48	SCL/wf sbk	Fi/SExp	7.5YR 5/8					
					10YR 7/1 mot					

NITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
es	Yes	SITE CLASSIFICATION (.1948): Suitable
ccepted	Accepted	EVALUATED BY: M. Eaker OTHER(S) PRESENT:
30	0.30	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
c	cepted	cepted Accepted

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF PUBLIC HEALTH ENVIRONMENTAL HEALTH SECTION ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: Elyse Lot 9 DATE OF EVALUATION: 03/12/25 COUNTY: Harnett

P R O F	.1940		SOIL MORPHOLOGY (.1941)		OTHER PROFILE				
I L E	LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	LS 2-4%	0-12	LS/Gr	VFr/NExp	40"	NA	NA	NA	Suitable
		12-27	LS/Gr	VFr/NExp	10YR 6/4				0.30
5		27-37	SC/mm sbk	Fi/SExp	10YR 5/8 10YR 5/8				
		37-40	SCL/wf sbk	Fi/SExp	2.5YR 4/8				
		40-48	SCL/wf sbk	Fi/SExp	10YR 5/8 10YR 7/1 mot				
	LS 2-4%	0-16	LS/Gr	VFr/NExp	41"	NA	NA	NA	Suitable
6		16-36	SC/mm sbk	Fi/SExp	7.5YR 5/8				0.30
		36-41	SL/wf sbk	Fi/SExp	2.5YR 4/8				
		41-48	SC/mm sbk	Fi/SExp	2.5YR 4/8				
					10YR 7/1 mot				
					1				