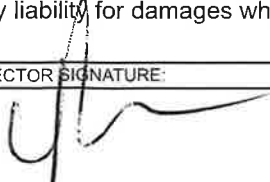




Georgia Department of Public Health Construction Permit and Site Approval For On-Site Sewage Management System

COUNTY: Hall	SUBDIVISION: .	LOT NUMBER: LOT 1	BLOCK: .			
PROPERTY ADDRESS: 4939 OLD ORR RD FLOWERY BRANCH, GA 30542		DIRECTIONS: NEW 2-STORY HOME WITH COVERED FRONT & REAR PORCHES.				
I hereby receive this construction permit to install an On-Site Sewage Management System and agree that the system will be installed to conform to the requirements of the rules of the Georgia Department of Public Health, Chapter 511-3-1 and this permit. By my signature, I understand that final inspection is required and will notify the County Health Department upon completion of construction and before applying final cover material to the system.						
PROPERTY OWNER'S/AUTHORIZED AGENT'S SIGNATURE:		DATE COMPLETED APPLICATION RECEIVED: 09/09/2024				
PROPERTY OWNER'S NAME: LAURIE COOPER	PHONE NUMBER: (770) 490-2270	PROPERTY OWNER'S ADDRESS: 2750 PREMIERE PKWY DULUTH, GA 30097				
AUTHORIZED AGENT'S NAME: LIAM BYRNES	PHONE NUMBER: (631) 873-9672	RELATIONSHIP TO OWNER: BUILDER				
Section A - General Information						
CAN REQUIRED SETBACKS BE MET:		TYPE OF STRUCTURE: Single-Family Residence	SOIL SERIES: MADISON CUT 8-25%/MADISON 40-50%			
DRINKING WATER SUPPLY: Public	WELL ON THE SITE:	WATER USAGE BY: Bedroom Numbers	PERCOLATION RATE / HYDRAULIC LOADING RATE: 60			
SYSTEM TYPE: New		NO. OF BEDROOMS / GPD: 4	RESTRICTIVE SOIL HORIZON DEPTH (inches): <i>* See remarks + L4 report</i>			
LOT SIZE (SQ FT/Acres): 1.026		LEVEL OF PLUMBING OUTLET: Basement	SOIL TEST PERFORMED BY: Reichel Jr, Jeff			
Section B - Primary / Pretreatment						
PRETREATMENT: Septic Tank	GARBAGE DISPOSAL: YES	SEPTIC TANK CAPACITY (gallons): 1500	MIN. ATU CAPACITY (gallons): 0	DOSING TANK CAPACITY (gallons): 1000	GREASE TRAP CAPACITY (gallons):	
Section C - Secondary Treatment						
ABSORPTION FIELD DESIGN: Serial		NUMBER OF TRENCHES:		TOTAL ABSORPTION FIELD LINEAR FT REQUIRED:		
		DISTANCE B/W TRENCHES:		291		
ABSORPTION FIELD PRODUCT: Quick 4 Plus High Capacity - 14		DEPTH OF TRENCHES (range in inches): <i>* see remarks + L4 report</i>		TOTAL ABSORPTION FIELD SQ FT REQUIRED:		
<p>Issued permits expire twelve (12) months from approval date and are not valid unless signed below by authorized representative of the Georgia Department of Public Health or County Board of Health.</p> <p>Any grading, filling, or other landscaping after issuance of a permit may render permit void. Failure to follow site plan may render permit void. Any grading, filling, or other landscaping after final inspection by county health department, which adversely affects the function of the on-site sewage management system, may render approval void. Installation contractor is responsible for ensuring all required setbacks are met.</p> <p>Issuance of a construction permit for an on-site sewage management system and subsequent approval of same by representative of the Georgia Department of Public Health or County Board of Health shall not be construed as a guarantee that such systems will function satisfactorily for a given period of time; furthermore, said representative(s) do not, by any action taken in effecting compliance with these rules, assume any liability for damages which are caused, or which may be caused, by the malfunction of such system.</p>						
INSPECTOR & INSPECTOR TITLE: Yvonne Mattern Environmental Health Specialist III		INSPECTOR SIGNATURE: 		DATE: 09/19/2024	CONSTRUCTION PERMIT #: OSC06909492	STATUS: Approved



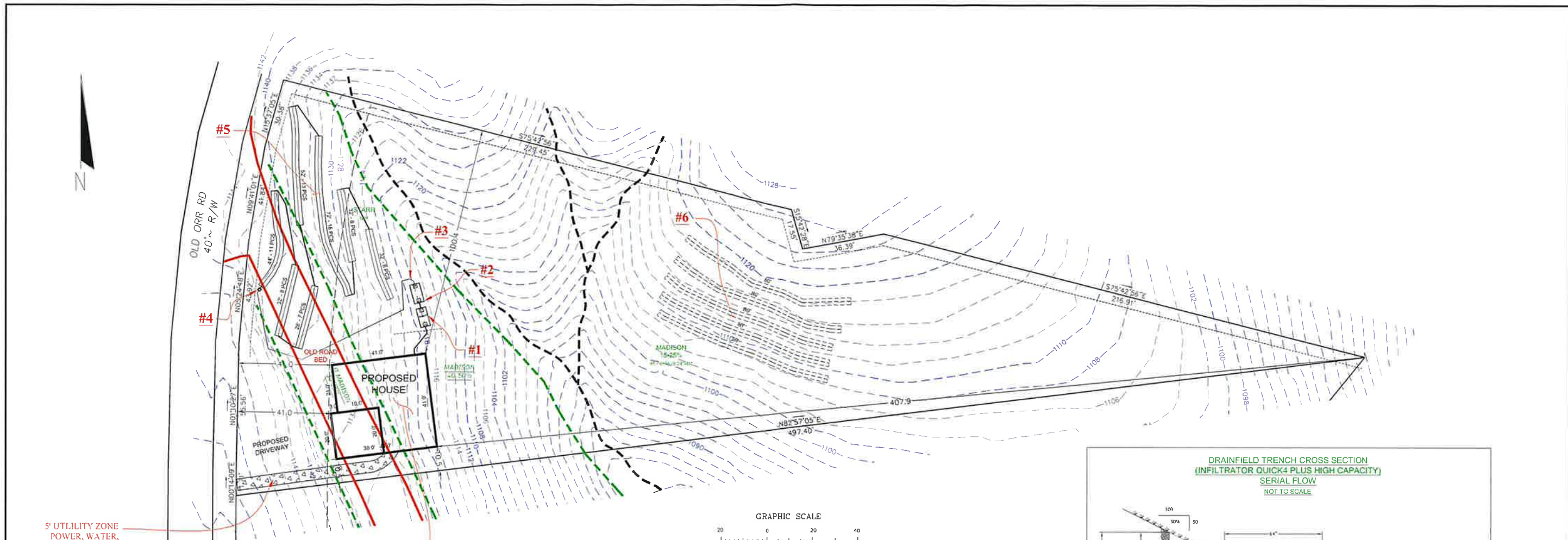
**Construction Permit and Site Approval
For On-Site Sewage Management System (continued)
Hall County Environmental Health - Phone: (770) 531-3973
Permit Number: OSC06909492
Property Address: 4939 OLD ORR RD FLOWERY BRANCH, GA
30542**

PRIMARY / PRETREATMENT REMARKS

Install per approved site plan. Have tanks open at time of inspection and property lines marked for verification.
Additional fee applies/due prior to final approval for pump tank & system.

SECONDARY TREATMENT REMARKS

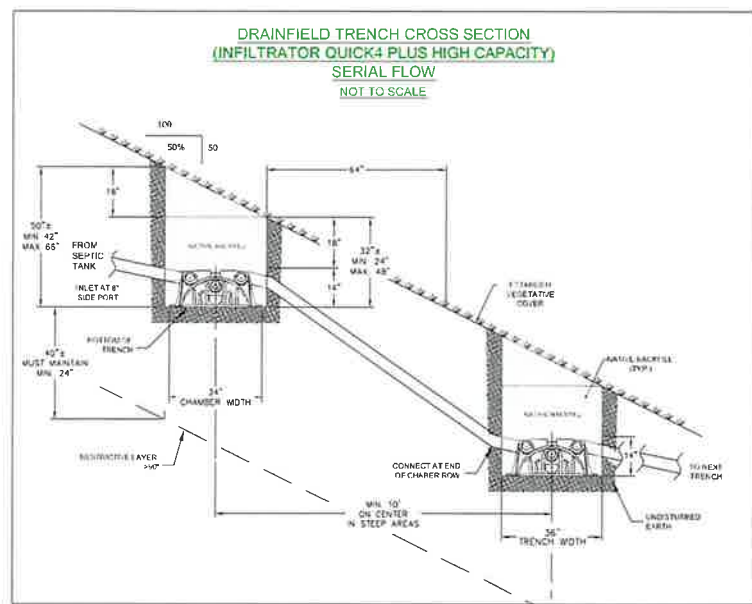
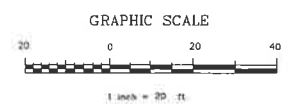
REFER TO L4 SOIL REPORT FOR SOIL BOUNDARIES, RESTRICTIVE LAYER(S), AND RECOMMENDED INSTALLATION DEPTHS IN MADISON CUT 8-25% & MADISON 40-50%.
Install in qualified soil area(s) only, w/contours. Maintain 20' from Starr soil boundary, stay 15' out of drainage area(s)/do not install in poor landscape positions. Needs to be pumped.
NUMBER OF BEDROOMS WILL BE REDUCED IF DEVIATION FROM APPROVED SITE PLAN WITH INSTALLATION OF SYSTEM, HOUSE, HARDSCAPE, OR GRADING PREVENTS VERIFICATION OF FULL 4-BDRM SYSTEM RECOVERY AT TIME OF INSPECTION/FINAL APPROVAL.



5' UTILITY ZONE
POWER, WATER,
AND GAS

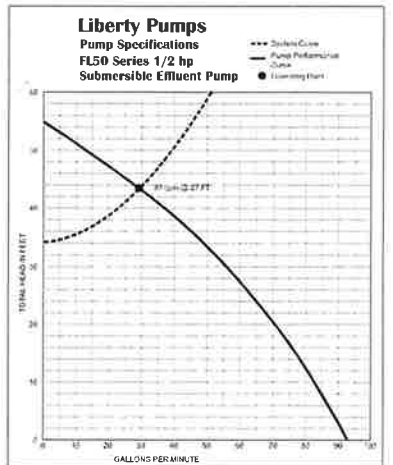
**PROPOSED NEW 4BR HOUSE
BASEMENT FOUNDATION
MAIN FFE 1036'
BSMT FFE 1026'
STUB OUT 1024'**

Environmental Health
Approved Design
Date: 06/23/25
[Signature]



SYSTEM DESIGN DATA AND CALCULATIONS:

- 4 bedrooms x 150 GPD/BR = 600 GPD
- With garbage grinder
- #1: Pretreatment - Standard 1500 gallon baffled septic tank with Standard approved 4" effluent filter on outlet.
- #2: Dosing - Standard 1000-gallon precast concrete pump tank with 1 adapter lid and risers to ground/surface level. Check valve, Union & Cut-off valve to be inside pump chamber w/in nylon rope or chain to lift out pump. Approx. 34 ft Static Head. Approx. 135 LF of 1.5" PVC force main with approx. 9 ft friction head @ 30 gpm. Design is for a 1/2 HP Liberty Model FL50 Effluent Pump controlled by am SJE-Rhombus IFS Control Panel. Dosing = 50 gallons per dose, dose on demand. Pump will operate at approx. 30 GPM @ approx. 43ft TDH, pump dose volume shall be verified with draw down test.
- #3: Approx. 135 LF of 1.5" DIA SCH 40 PVC force main
- #4: Standard approved Distribution Box
- #5: Primary Absorption Field - Soil Series: MADISON (see soils study). Perc Rate = 60 minutes per inch. 60 min/in = 335 SF/BR x 4 BR / 3 SF/LF Trench = 447 LF trench minimum total 447 LF - 35 % reduction = 292 LF minimum. Design: 292 LF (73 PCS) Infiltrator Water Technologies Quick4 Plus High Capacity Chambers, Pump Dosed, Serial Distribution, minimum 7 ft on center, as shown. Trench depth: 24"-60" (per soils study) *** see LY for soil boundaries + installation depths ***
- #6: Reserve Absorption Field - Soil Series: MADISON (see soils study). Perc Rate = 45 minutes per inch. 45 min/in = 300 SF/BR x 4 BR / 3 SF/LF Trench = 400 LF trench minimum total. Design: 400 LF. Conventional gravel absorption trench, 12" gravel 3ft wide as shown. Trench depth = 24"-48" (per soils study)



NOTES:

- This design is in accordance with the standards and regulations set forth in the Georgia Department of Public Health Manual for On-Site Sewage Management Systems. On-Site Wastewater Consultants does not issue permits for, install, maintain, or guarantee the performance of any on-site sewage management system. The County Health Department has the authority to permit on-site sewage management systems on this property. The County Health Department has final jurisdiction over permitting and regulating on-site sewage management systems. Any alteration to this design, including change in or use of specific products as listed or shown on design without my expressed, written consent and approval will render this design null and void. Any alteration to the site after the date on the design may change the nature and suitability of the site.
- Any floor slab deficiencies cited must be verified in writing by the County as originated in the Georgia On-Site Sewage Management Systems regulations (i.e. Chapter, Page, Section).
- System designed by On-Site Wastewater Consultants, LLC
- This drawing as an instrument of services is and will remain the property of On-Site Wastewater Consultants, LLC, and shall not be used in any way without the written consent of On-Site Wastewater Consultants, LLC
- Contours shown were taken from county GIS data.
- Base map information shown was taken from plans provided by owner/developer, and is shown for reference and design of septic system, not intended to be a survey.
- Soils information was taken from soils survey provided by owner/developer, all soils information is for reference and design of septic system only (not intended to be a soil survey, reference actual soils delineation map and report for more information and certification)
- The accuracy of soils information shown is not expressed or implied by On-Site Wastewater Consultants, LLC or this drawing.
- It is critical that the house be located exactly as shown before construction begins.
- This property is served by public/municipal water.
- No wells observed within 100 feet of the property lines.
- Installation of system must comply with all applicable county Environmental Health Department and Georgia DPH requirements and be installed by a licensed installer.
- Absorption field and septic tank areas shall be landscaped to prevent ponding of water. All surface waters, including but not limited to down spouts, rooftop runoff and driveway runoff should be piped or diverted in an approved method away from on-site sewage management system.
- House elevation and stub-out are estimated.
- I certify this on-site sewage management system meets the minimum design requirements established by the Department of Public Health. I have made a site visit to verify the system can be installed as designed in accordance with these regulations.



REVISED 6/14/2025 MOVED HOUSE, TANKS, AND FM

ON-SITE SEWAGE MANAGEMENT SYSTEM
4 BR CHAMBER SYSTEM
ED COGNALIES
4939 OLD ORR RD - LOT 1
HALL COUNTY GEORGIA



PROJECT 1860	5/30/2025
SHEET 1 OF 1	