



Public Health
Prevent. Promote. Protect.
Harford County
Health Department

Harford County Health Department

Main Office: 120 S. Hays Street · P.O. Box 797 · Bel Air, Maryland 21014 · 410-838-1500

Lauren Levy, JD, MPH Health Officer
Silvana Bowker, LCPC, ACRPS Deputy Health Officer of Operations
Jamie Sibel, MD, MPH Medical Deputy Health Officer



Soil Testing Results/REPAIR ONLY

Site Location/Address: 2517 Karylou Drive Kingsville, MD 21087				Tax ID#: 03-135845		Map 55	Grid 4D	Parcel 729
Subdivision: Pleasant Hills, Section C				Lot: 133	Acres: 24,182 SF	Soils: ChB2, KeB Wet Season Soil: Yes (ChB2, KeB)		
Owner: Scott & Renee Tracey		Address: 2517 Karylou Dr, Kingsville, MD 21087		Email: thetraceyfamily@verizon.net				
				Phone: n/a				
Applicant: Ryan Frick (Superior Septic Services)		Address: 2632 Harkins Road, White Hall, MD 21161		Email: ryan@superiorsepticmd.com				
				Phone: 443-921-6171				
Hole	Depth	Soil Description	Measure	Time	Elapsed	Drop	Result	
26-1	22" Ring Test	0"-7" Topsoil	10"	10:39	Start	Start	53.3 min/inch Design System Required	
		7"-16" Brown silty clay loam	9 11/16	10:49	10 min	5/16"		
		16"-3' Brown silty clay, platy structure, compact	9 7/16	10:59	10 min	4/16"		
		3'-6' Red silty clay, compact	9 3/16"	11:09	10 min	4/16"		
		6'-11' Dark brown/red silty clay loam	9"	11:19	10 min	3/16"		
		11-13 Brown/red silty clay, lightly compact, mottled	8 10/16"	11:39	20 min	6/16"		
	6' Stick Test		8 4/16"	11:59	20 min	6/16"	5 min (2 ESAA) (6'-11')	
			10:52	10:54	10:59	2"		
		<i>Edge of existing drainfield trench was encountered at 3' on far side of the test hole</i>						
		<i>Private electric wire to the shed encountered at 1'</i>						

BEL AIR OFFICE
1 N. Main Street
Bel Air, MD 21014
410-638-3060

EDGEWOOD OFFICE
1321 Woodbridge Station Way
Edgewood, MD 21040
410-612-1779

EDGEWOOD OFFICE
2204 Hanson Road
Edgewood, MD 21040
443-922-7670

HAVRE DE GRACE OFFICE
2027 Pulaski Highway
Havre de Grace, MD 21078
410-939-6680

HAVRE DE GRACE OFFICE
2015 Pulaski Highway
Havre de Grace, MD 21078
410-942-7999

26-2	3' Stick Test	0"-6" Topsoil 6"-20" Brown silty clay, black spotting, compact	11:26	11:46	Pulled	1/2"	Fail (Too Slow)
	4' Stick Test	20"-3' Red silty clay, compact, structured	11:53	12:13	Pulled	1/4"	Fail (Too Slow)
	3'-8' Stick Test	Brown/red silty clay loam, compact,					
	24" Ring Test	30-40% rock, greater than 50% rock at 8'	1"	11:31	Start	Start	80 min/inch
			1 2/16"	11:41	10 min	2/16"	Design System Required
			1 5/16"	12:01	20 min	3/16"	
			1 7/16"	12:11	10 min	2/16"	
			1 9/16"	12:21	10 min	2/16"	
			1 11/16"	12:31	10 min	2/16"	

Remarks Was this test performed during the 2026 Wet Season: No

The purpose of this percolation test is to establish a repair area for an unsatisfactory subsurface sewage disposal system. This percolation test is only for the purpose of replacing the existing unsatisfactory system. It is not to be considered for use in any future building permit or wet season testing.

The following requirements for the repair must be installed by a licensed drainlayer or a licensed plumber.

Percolation test results are **satisfactory for a conventional deep trench system at test hole 26-1.**

Percolation test results are **satisfactory for a conventional designed system at test hole 26-1.**

Percolation test results are **satisfactory for an alternative designed system at test hole 26-2.**

Given the above results, the size of a conventional deep trench septic system for **test hole 26-1** based on a **3 bedroom** house would be **200ft long x 2ft wide x 7ft deep** with **10ft** edge to edge **OR 139ft long x 3ft wide x 7ft deep** with **10ft** edge to edge.

The area available for the installation of deep trenches in the vicinity of test hole 26-1 appears to be very limited due to the location of the existing septic system, the 100 foot setbacks to nearby wells, the property lines, and the position of the dwelling. If a conventional system does not fit in the available area, a designed system will be required.

To pursue a conventional or alternative designed system as a repair to the unsatisfactory system, the owner will need to retain the services of a professional engineer, soil consultant, Licensed Environmental Health Specialist, or other qualified consultant as determined by the Harford County Health Department (HCHD) to evaluate site conditions and design an Alternative On-Site Sewage Disposal System. Enclosed for your convenience is a list of Innovative and Alternative (I&A) consultants that work in Harford County.

The design must then be submitted to the HCHD and MDE for review. Once the HCHD and MDE have reviewed and approved the design plans for the property in question, an alternative agreement can be

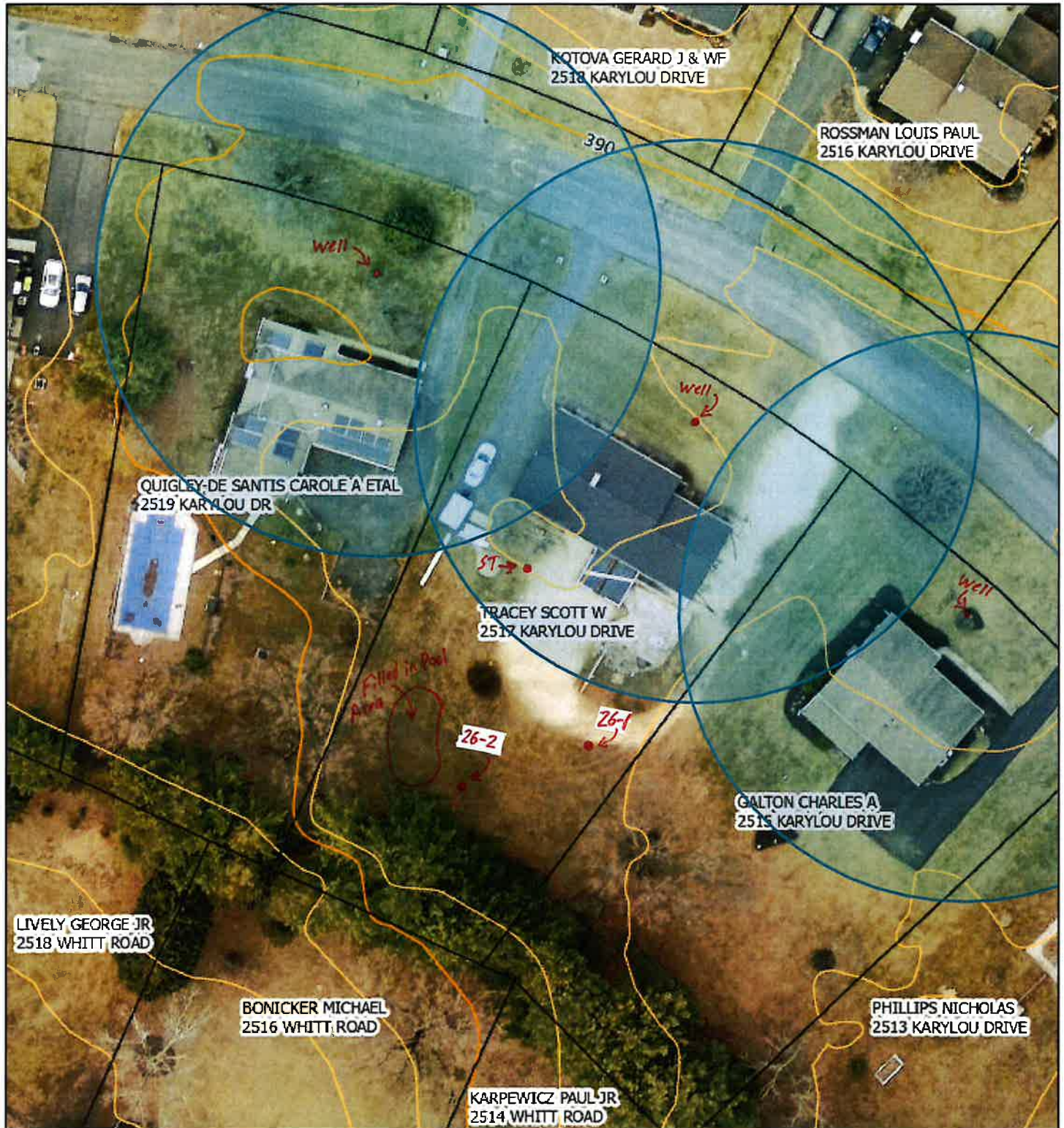
signed by all parties including the property owner, the HCHD, and MDE. This agreement must be recorded in the land records of Harford County after all signatures are acquired.

After approval of the alternative plans and recordation of the Alternative Agreement, the property owner will need to contract with an installer who is licensed by MDE to apply for an On-Site Sewage Disposal Permit and install the system per the approved plans. The HCHD will inspect the system for compliance with the approved plan.

Additional Requirements: Remain 5ft from the property line, 30ft from the dwelling, 25ft from any drainage ways, 100ft from any streams, 100ft from any wells up gradient, and 200ft from any wells down gradient. Any set back requirement unable to be satisfied will require a variance request reviewed and approved by the Maryland Department of the Environment prior to permitting.

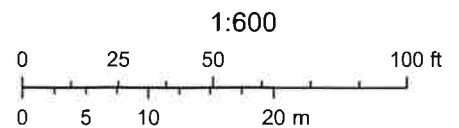
Type of Machine used: Trackhoe	Well type: HA-71-0255	Weather: Sunny, ~70 degrees
Backhoe Operator: Nate Wimer		Persons Present: Mason Wimer, Property Owner
Environmental Health Specialist: Adam Fetterman	Time: 10:00 am	Date of Perc Test: 6/16/2026
Final Reviewer Signature: 		Date Results Finalized: 6/23/26

2517 Karylou Drive



6/23/2026, 12:14:51 PM

- 2' Intermediate Contours
- 10' Index Contours
- Harford County Boundary
- Cadastral Labels
- Cadastral



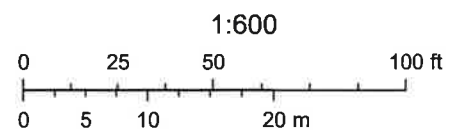
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastysreisen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community

2517 Karylou Drive



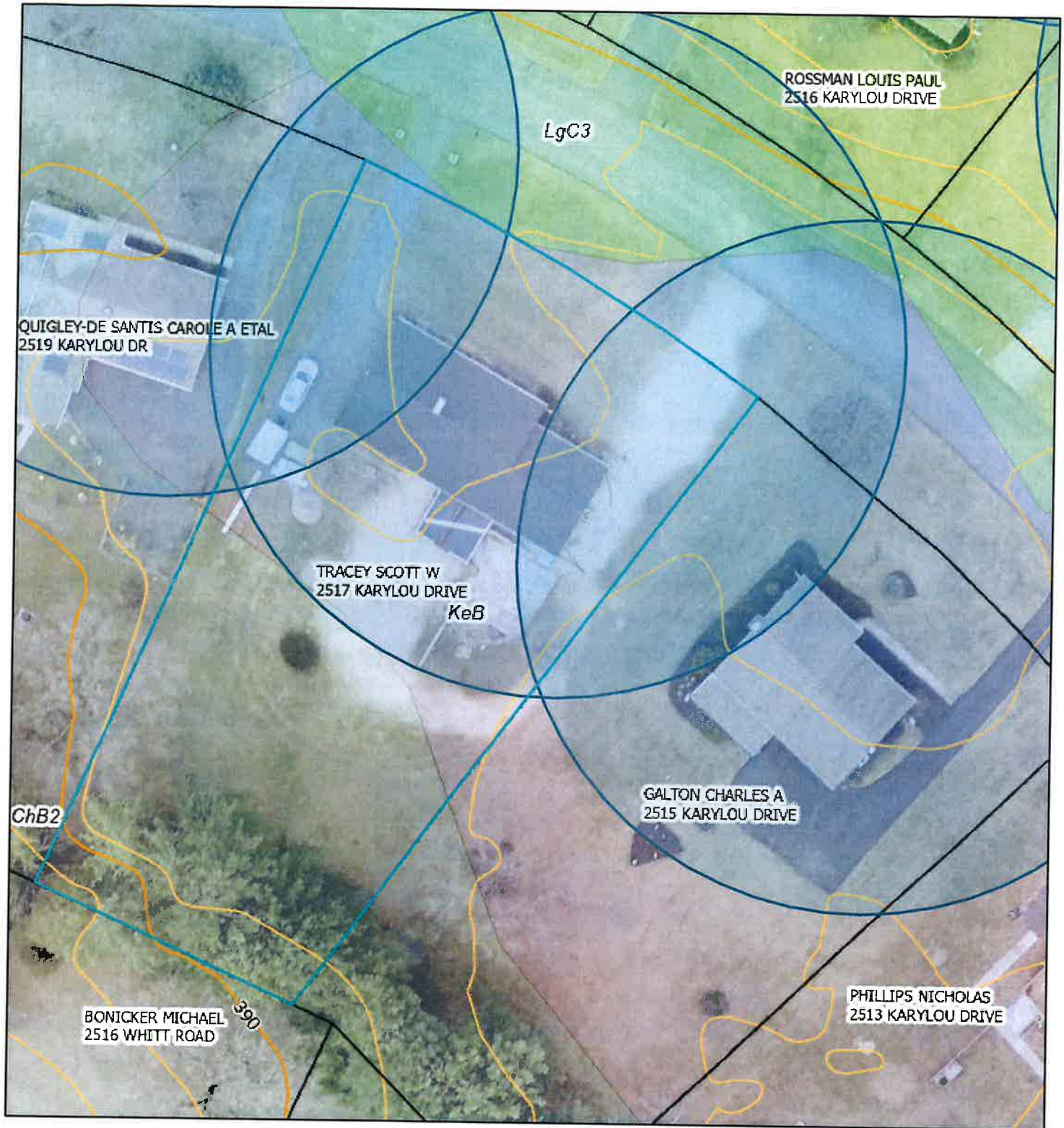
6/23/2026

- Septic tank
 - Perc test
 - Cadastral August2025
- World_Hillshade



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community

2517 Karylou Drive



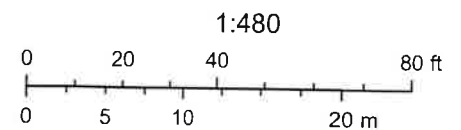
6/16/2026, 9:34:46 AM

Soil Classifications

- ChB2
- KeB
- LgC3

2' Intermediate Contours

- 10' Index Contours
- Harford County Boundary
- Cadastral Labels
- Cadastral



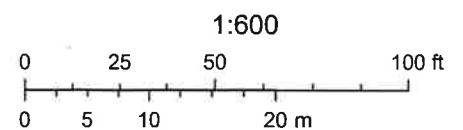
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community

2517 Karylou Drive



6/16/2026, 9:38:03 AM

- 2' Intermediate Contours
- 10' Index Contours
- 20' Index Contours
- Harford County Boundary
- Cadastral Labels
- Cadastral



Baltimore County Government, Harford County Government, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA



Public Health
Prevent. Promote. Protect.

**Harford County
Health Department**

HCHD Environmental Health
120 S Hays Street, Suite 200
Bel Air, MD 21014
410-877-2300
Fax: 443-643-0334
HCHD.INBOX@maryland.gov

APPLICATION FOR SOIL PERCOLATION TEST

Select Type	☐ Conventional Test *	☐ Non-Conventional Test/Single Ring *	☒ Repair Perc
	\$250 Per lot with up to 5 evaluations \$50 Each additional evaluation over 5 # of Evals _____ Cost \$ _____	\$300 Per lot with up to 5 evaluations \$60 Each additional evaluation over 5 # of Evals _____ Cost \$ _____	No Fee

REQUIREMENTS:

- 1) The owner/applicant is solely responsible for contacting MISS UTILITY prior to digging.
 - 2) The Responsible party must supply a backhoe and a qualified backhoe operator
- *REQUIRED for Conventional and NON-Conventional Tests/Single Ring Percolation Tests:**
- a) A site plan of the property must be submitted with this application. **Site plan must be drawn to scale (1"=30', 1"=50', or 1"=100') and must indicate property lines, house location, well site along with tag #, driveway, septic area, and any wells, septic systems, and/or SRA's located within 200' of the property line.
 - b) Each corner of proposed septic reserve areas must be staked prior to testing.
 - c) The appropriate fee must be submitted with the application. Please select appropriate number of evaluations where indicated. If an additional fee is required at the time of the test, results will be held until that fee is paid. An invoice will be mailed/emailed to the applicant once the test is complete.

Please note: Health Department Staff will contact the applicant/agent to schedule the test unless another person is specified as contact. Please refer to the Percolation Test Application Procedures for general requirements. By signing this application, the applicant agrees to allow representatives from the Harford County Health Department on the property at reasonable times to perform testing and site analysis.

PROPERTY INFORMATION:

Tax Map: 0055 Grid: 0004D Parcel: 0729 Tax ID: 03-135845
Property location/Address: 2517 KARYLOU DRIVE KINGSVILLE MD 21087-1013
Subdivision (if applicable): 3017 Section: C Lot #: 133

Is this property currently involved in a real estate transfer? ☐ No ☒ Yes, Settlement Date*: 6/16/26

*For information purposes only. The settlement date does not guarantee results will be available.

PROPERTY OWNER INFORMATION:

Name: Scott Tracey Email: TheTraceyFamily@verizon.net
Mailing Address: 2517 KARYLOU DRIVE KINGSVILLE MD 21087-1013 Phone #: _____

APPLICANT/AGENT INFORMATION:

Name: Superior Septic Services, LLC Email: ryan@superiorsepticmd.com
Mailing Address: 2632 Harkins Road, White Hall, MD 21161 Phone #: 443-921-6171
Name of **Qualified Backhoe Operator**: Ryan Frick Phone #: 443-921-6171
Name of Contact (if other than applicant): _____ Phone #: _____
Applicant Signature: Ryan S. Frick Date: June 1, 2026

Complete both pages of application. Incomplete applications will not be accepted.

PROPERTY DETAILS:

☐ Improved Lot ☐ Unimproved Lot, Never Tested ☒ Unimproved Lot, Prior test was unsatisfactory

Residential:

☐ New Subdivision Name: _____ Indicate # of Lots: _____
☒ Existing Subdivision Name*: _____ Indicate # of Lots: _____

*Indicate year created/recorded: _____ Plat Number: _____

Non-Residential **:

☐ New ☐ Existing Project Name: _____
Use: ☐ Commercial ☐ Institutional ☐ Industrial ☐ Other _____

**** Please attach a brief description of project so anticipated wastewater flow can be projected.**

NOTE: Flows from 2,500-4,999 gallons/day may require a joint review with the Maryland Department of the Environment (MDE). Flows of 5,000 gallons/day or greater will require a joint review.

PERC TEST DETAILS:

☒ Failing On-Site Sewage Disposal System (OSDS) *Submit Septic Inspection Report. *If a written report does not exist, describe, in detail, the nature of the failure:* _____

☐ Active Building Permit † Building Permit # (Required): _____
Description: _____

☐ Future Building Plans † Description: _____

☐ OSDS Relocation † Description: _____

☐ Septic Reserve Area (SRA) † Select One: ☐ Revision ☐ Reduction
Description: _____

†Site plan will be required for this perc test.

Additional Details: Percolation test previously done in 2008- Results were unsatisfactory for a conventional system.

Complete both pages of application. Incomplete applications will not be accepted.