

Bureau of Environmental Health 3 Harry S. Truman Parkway Annapolis, MD 21401 Phone 410-222-7193 Fax 410-222-7479 Maryland Relay (TTY): 711 www.aahealth.org

Nilesh Kalyanaraman, M.D.,F.A.C.P. Health Officer

April 13, 2021

MARK EVANS 1410 FOREST DR, STE 35 ANNAPOLIS, MD 21403

RE:

Perc #T02048263

Tax Account #300001214600

Site: 7 GENE AVE PASADENA

Elgene Acres

This letter does not constitute Health Department or Building Permit approval for the referenced site. The Anne Arundel County Department of Health has completed an evaluation of the above referenced property. Percolation test(s) were conducted on April 8, 2021. Minimum design requirements are based on a proposed house size larger than 3500 square feet and the test results. The minimum design requirement for the initial septic system and replacement systems are as follows:

Septic Tank BAT

Initial Drain Field:

Test # 2,4,5
Total Length 77 feet
Number of Trenches 1
Length of Trench 77 feet
Width of Trench 12 feet
Depth of Trench 1.5 feet
Pipe in trench no deeper than 1 feet
Trenches Separated by 10 feet from nearest
edge to edge

Replacement systems:

Test # 3
Total Length 254 feet
Number of Trenches 4
Length of Trench 64 feet
Width of Trench 3 feet
Depth of Trench 2 feet
Pipe in trench no deeper than 1 feet
Trenches Separated by 10 feet from nearest
edge to edge

Other:

SHOW ALL WELLS WITHIN 100' OF THE PROPERTY. STAY 25' FROM PERC TEST #1. SHOW 1' TOPOGRAPHY CONTOURS. 1000 GALLON PUMP PIT REQUIRED. MAY NOT HAVE ADEQUATE SEPTIC AREA FOR INITIAL AND 2 REPLACEMENT SYSTEMS.

A nitrogen reducing pretreatment unit will be required with the design of the sewage disposal system. The reason for this requirement is this property is located in the Chesapeake Bay watershed as required by COMAR 26.04.02.07.

The minimum design requirements listed above are for the purpose of preparing site plans for the referenced property.

Before approval of a septic system for this property is considered, eight (8) copies of a site plan should include; all items on the enclosed site plan requirements sheet, a nitrogen reducing pretreatment unit, if required and the layout of the proposed initial septic system and $\underline{2}$ replacement(s) must be prepared by the owner/applicant and submitted to this office for review.

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The referenced perc application will expire two (2) years after the date the perc application is received by this department.

If you have any questions regarding the above please call Sanitary Engineering at (410) 222-7016.

Sincerely,

Eric Olmscheid Sanitary Engineering

Bureau of Environmental Health

cc: Owner



DEPARTMENT OF HEALTH PERC DATA FORM

BRF# PERC APPLICATION NO:	63
PRIOR PERC(S):	
SOIL TYPE: SME POB SEWER SERVICE CATEGORY: of s- future Service	
WET SEASON RESTRICTED? ☐ YES ☐ NO CRITICAL AREA? ☐ YES ☐ NO BOG AREA ☐ YES ↑ TESTED IN WET SEASON: ☐ YES ☐ NO 100' FROM WATER WAY: ☐ NO ☐ YES	P NO
EXISTING HOUSE SIZE # OF BEDROOMS: # OF BATHROOMS PROPOSED HOUSE SIZE # 3506 # OF BEDROOMS: # OF BATHROOMS # OF BATHROOMS	
DATE TESTED/INSPECTED: 4/8/202/ SANITARIAN E. Ohischeld	
PERSONS PRESENT DURING TEST Dave Care, Mark Evans	
SOIL TEST/SITE EVALUATION	
* Mound bet sengen test regid for #1	
lacksquare	
HI H2,4 H3 Hoany Sand Clay W/sone sand Perchas H20 Sand Clay Sand Sand Clay Sand Clay	
Sand Sist clay 8' Hzo No Hzo No Hzo	
#3 17/e@2nin	
9(34)(3)=918 F+2 9(34)(,83)=254	
12' × 77' Pressure Dosal Bed 4-64' transhers	
Pipe @ 11 1.5' deep 3'wite 2' deep pipe @ 1'	
10' separation 10' separation	
WATER CONDITIONER? ☐ YES ☐ NO HOUSE OCCUPIED? ☐ YES ☐ NO NUMBER OF OCCUPANTS FAILING SYSTEM? ☐ YES ☐ NO ☐ OVERFLOW ☐ BACK-UP IN HOUSE ☐ COLLASPED TANK ☐ OTHER COMMENTS:	
BRF FUNDING PRIORITY (1-6):	



Percolation test application number.

DEPARTMENT OF HEALTH

Sanitary Engineering Program
On-Site Sewage Disposal System (OSDS)

SITE PLAN CHECKLIST

For a new single family dwelling or a building addition, your site plan must be to scale and shall contain all information required by the Department of Health. Eight site plans must be submitted that contain the following information:

2.	Scale used. Engineer's scale only (1 inch = 10, 20, 30, feet, etc., No larger than 1 inch = 60 feet).
3.]	If necessary, a vicinity map no smaller than 4" x 4" at a scale of 1" = 2000'.
4	A title block which identifies owner, house number, street, subdivision name, lot number, block, section number or
	total acreage, tax map, block, and parcel.
5	The location, name and width of any abutting streets or right of ways.
6	Indicate North with arrow.
7	_ A legend, as needed.
8	Show the proposed on-site septic system as described in the attached site plan letter. If a site plan letter is not
	available, contact the Department of Health, Bureau of Environmental Health.
9	_ Show and label all structures, existing and proposed.
10	Indicate all the dimensions of the property lines, house, accessory structures and house setbacks (front sides and
	rear) Existing structures must be shaded or hatched. *Note - No site plan can be approved unless all house
	setbacks are clearly indicated.
11	TO SCHOOL STORY
12	II applicable, show the critical area boundary on the lot
13	The location of all percolation test(s), both passing and failing.
14	The location of all percolation test(s), both passing and failing. The location of all existing water wells and septic systems within one hundred (100) feet of the property line. The
	well tag number must be supplied with addresses or lot numbers for all adjacent property
15	The existing and final topography at one or two foot intervals designating 25% or greater slopes (five foot contours
	may be used for slopes over 25%) of the area surrounding the house, sentic system and its replacement(s) water
	well, and any abrupt changes of grade such as retaining walls, terraces, etc. Contour lines or arrows must show how
•	arter grading, surface water will flow to or from the street, on or off the property, and away from the sentic area and
10	well.
16	
17	The elevation of the basement and ground-floor level of the house and the location and elevation of the waste line
10	from the house, septic tank and septic system.
18	The location of the platted 10,000 square foot sewage disposal area.
19	Location of any easement(s) and right-of-way(s) affecting the property.
20	Location of any water well(s) and water line(s) existing or proposed on the property. If property is served by public water, show the proposed connection between the public water line and the house.
21	Location of the existing and proposed on-site storm water management structures and storm drains.
	Location of walks, driveways, parking areas, steps, decks, terraces, porches, retaining walls, overhangs, and
	projections (existing and proposed).
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For large sites two scales may be used. The scale of 1 inch = 100 or 200 feet may be used to show the location of the house on the property and all neighboring wells or septic system within 100 feet of the property lines. The scale of 1 inch = 10, 20, 30 feet, etc. could show the area around the house which should include the proposed well and septic area.

All site plans will be field verified. Incomplete or inaccurate site plans will be returned to the applicant, which may delay approval of the Perc Application or Building Permit.

If the site plan is acceptable, the percolation application is approved and the applicant may apply for a building permit. An approved percolation application is valid for two years from approval date.

If a building permit is not obtained within two years of the approval date, the percolation application will expire and a new percolation application and site plans must be submitted. Additional perc tests may be required at the discretion of the Department of Health for the issuance of the new Perc Application.

Distance Requirements (per Anne Arundel County Private Sewage Disposal Coue) Laure Avvoca.

All Distances are in feet Un	Well in Unconfined Aquifer	Well in Confined Aquifer	Septic Tank		Distribution Box	Distribution Disposal Box Field
Building sewer other than east iron or	100	50	1		1	1
Building sewer cast iron	10	10		n 1	10	10
or approved PVC	100	50	e e	U	A .	5
Septic tank	100	50	5	1	J	
Distribution box	100	20	10	5	1	1
7	100	50	10		•	•
Diaminoral Well*	100	50	10			
Disposal Field	3	50	10	5	1	
(including mound	190		3	20	20	20
Building with basement	30	30	20	20	20	20
Building without	30	30	10	5 8	10	10
basement	10	10	10	10 2	10	10
Property and		1	10	10 10	10	10
Water inc	15	15	10	26 10	25	25
Retaining wall;	1	1	. 25	20 20	20	20
Swimming Pool	10	10	10	10	10	10
Storm Drain***		1	10	10		

(closed conduit) Drywells must be separated from each other by a distance of 3 times the diameter of the well edge to edge. Thus an 8-foot well would have a

Standard drainfield trenches are 3 ft. wide and are separated one from another by 9 ft. All drainfield trenches are of equal length. No trench may exceed 100 ft. Approving authority will stipulate separation between deep drainfield trenches.

For storm drainage facilities other than those incorporating solid conduits (ie: Swales, Storm Water Infiltration pits, etc...) a 25 ft. minimum for storm drainage facilities other than those incorporating solid conduits (ie: Swales, Storm Water Infiltration pits, etc...) a 25 ft. minimum for storm drainage facilities other than 25% cannot be utilized for individual sewage disposal system.

