

Anne Arundel County Department of Health
J. Howard Beard Health Services Building
3 Harry S. Truman Parkway
Annapolis, MD 21401
Phone 410-222-7193 Fax 410-222-7479
Maryland Relay (TTY users): 1-800-735-2258
www.ahealth.org

Jinlene Chan, M.D., M.P.H.
Health Officer

May 10, 2016

Micheal S. Georgiou
170 Jennifer Road, Ste. 205
Annapolis, Maryland 21401

Re: T02043411
8016 Belhaven Avenue, Lots 60 A-B Pasadena

Dear Mr. Georgiou:

The Department of Health has reviewed the proposed on-site sewage disposal system plans submitted on April 12th, 2016 and has the following comments:

1. Initial mound is a 2' mound. Correct toes to reflect 2' of sand fill.
2. Field notes conflict with locations of perc #100 and #101. If percs were field located and surveyed make note. If they have not been, field locate locations, or see sketch from field notes

The Health Department is withholding approval of this project until the above items have been corrected. The plans have been returned to the engineer for correction.

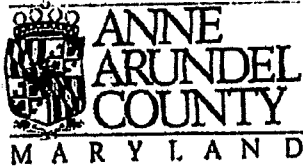
If you have any further questions, please feel free to contact me at 410-222-7210.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Sullivan".

Jennifer Sullivan, Sanitarian
Sanitary Engineering Program

cc:



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Jinlene Chan, M.D., M.P.H.
Health Officer

November 4, 2015

Micheal S. Georgiou
170 Jennifer Road, Suite 205
Annapolis, Maryland 21401

Re: T02043411
8016 Belhaven Avenue, Lots 60 A-B 61 A-B, Pasadena, MD

Dear Mr. Georgiou:

The Department of Health has reviewed the proposed on-site sewage disposal system plans submitted on October 23, 2015 and has the following comments:

1. Show and correctly label all perc tests.
2. Show adjusted upslope and down slope sides of sound mounds on the correct side.
3. Show well 50' from storm drains.
4. Show stream on site. A variance request to MDE will be required for septic within 100' to stream.
5. Show and label designated 25' undisturbed area downslope of lowest mound system.
6. Show BAT unit 7' x 14'.
7. Variances will be addressed once plan is otherwise approvable.

The Health Department is withholding approval of this project until the above items have been corrected. The plans have been returned to the engineer for correction.

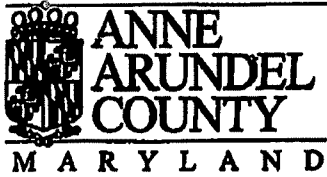
If you have any further questions, please feel free to contact me at 410-222-7016.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Olmscheid".

Eric Olmscheid, Sanitarian
Sanitary Engineering Program

cc:



Department of Health
Bureau of Environmental Health
3 Harry S. Truman Parkway
Annapolis, MD 21401
Phone 410-222-7193 www.aahealth.org
Fax 410-222-7479

Jinlene Chan, M.D., M.P.H.
Health Officer

March 18, 2015

C/O RANDALL FISHER
170 JENNIFER ROAD, STE 205
ANNAPOLIS, MD 21401

RE: Perc #T02043411
Tax Account #311090005122
Site: 8016 BELHAVEN AVENUE
PASADENA

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 March 2, 2015. Minimum design requirements are based on a proposed house size no larger than 750 square feet and the test results. The minimum design requirement for the initial septic system and replacement systems as follows:

Septic Tank: BAT

Pump Pit: gallons

Mound: Size of gravel bed in mound 300 square feet. The width selected for the gravel bed must be divisible by three.

Level Sites: For mounds on areas less than 2% slope, add 12 feet to all four sides of the gravel bed to determine the total area required for the initial mound.

Sloping Sites: The length of the gravel bed must run parallel to the contour lines. Sites over 12% slope are not acceptable for mounds.

To determine the width of the upslope side of the mound, multiply 12 feet by the appropriate upslope correction factor. (see table)

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.

To determine the width of the downslope side of the mound, multiply the width of the gravel bed by the percent slope and add 4 feet. Multiply the number obtained by three and then multiply the appropriate downslope correction factor. (See table) The final number obtained is the width of the downslope side of the mound.

March 18, 2015

TD2043411

Page -2-

Table: Upslope and Downslope Width Corrections for Mounds on Sloping Sites

<u>Slope %</u>	<u>Upslope Correction Factor</u>	<u>Downslope Correction Factor</u>
2	0.94	1.06
4	0.89	1.14
6	0.86	1.22
8	0.80	1.32
10	0.77	1.44
12	0.73	1.57

The outer edge of a mound must be ten (10) feet off of property lines twenty (20) feet from any structure, fifty (50) feet from confined wells, and one hundred (100) feet from unconfined wells. There is no separation requirement between the outer edges of mounds.

Other: **MUST LOCATE ALL WELLS WITHIN 100'. STAY 100' FROM WATERWAY.
MAY NOT HAVE ADEQUATE AREA FOR INITIAL AND REPLACEMENT.
MUST REQUEST VARIANCE TO MDE TO ALLOW SEPTIC CLOSER
THAN 100' TO WATER WAY. SHOW 1' MOUND IN AREA OF PERC #100
SHOW 2' MOUND IN AREA OF PERC # 101**

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 requirement sheet, a nitrogen reducing pretreatment unit, if required and the layout of the proposed initial septic system and 2 replacement(s) must be prepared by the owner/applicant and submitted to this office for review. The mound area will have to be fenced and protected from any compaction or disturbance prior to approval.

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

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

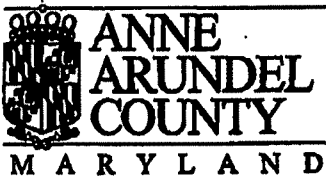
If you have any questions regarding the above please call Sanitary Engineering at (410) 222-7210.

Sincerely,



Jennifer Sullivan
Sanitary Engineering
Bureau of Environmental Health

cc: Applicant



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3 Harry S. Truman Parkway
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March 18, 2015

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170 JENNIFER ROAD, STE 205
ANNAPOLIS, MD 21401

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Sincerely,


Jennifer Sullivan
Sanitary Engineering
Bureau of Environmental Health

cc: Applicant

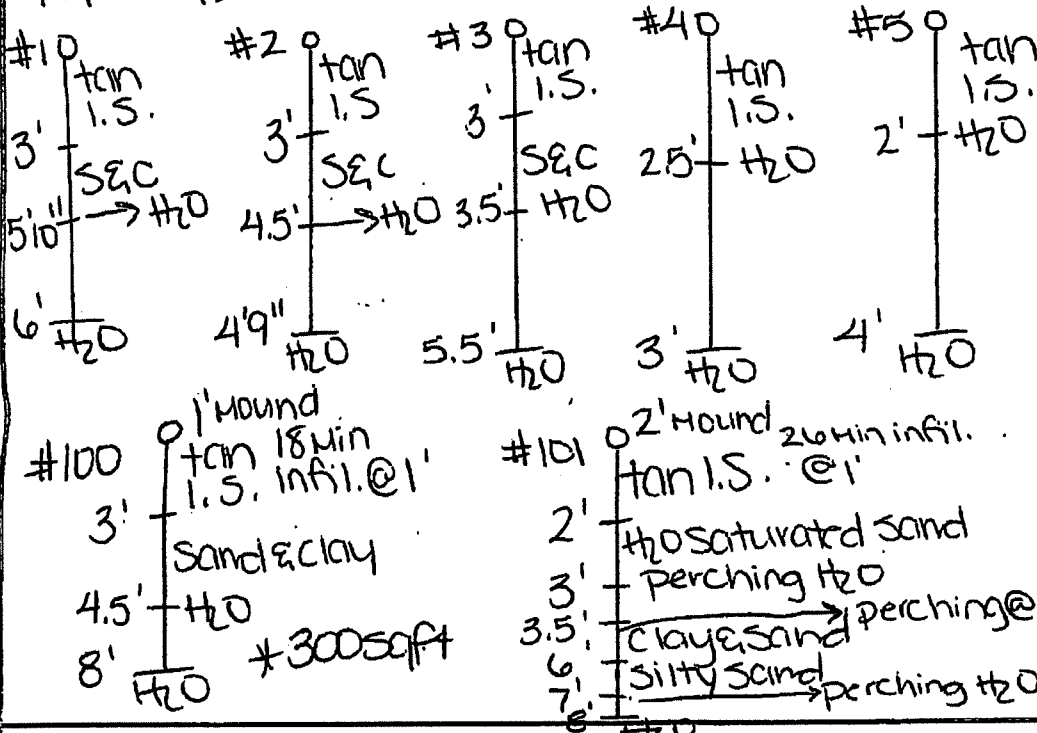
DEPARTMENT OF HEALTH
PERC DATA FORM

BRF# _____ PERC APPLICATION NO: T07043411

PRIOR PERC(S): YES NO T07041202
 SOIL TYPE: D/C SEWER SERVICE CATEGORY: D/S
 WET SEASON RESTRICTED? YES NO CRITICAL AREA? YES NO
 TESTED IN WET SEASON: YES NO 100' FROM WATERWAY? YES NO
 EXISTING HOUSE SIZE _____ # OF BEDROOMS: _____ # OF BATHROOMS: _____
 PROPOSED HOUSE SIZE 150 # OF BEDROOMS: _____ # OF BATHROOMS: _____
 DATE TESTED/INSPECTED: 3/2/15 SANITARIAN: J. Sullivan
 PERSONS PRESENT DURING TEST: Candice, DFI, Thomasville Homes

SOIL TEST/SITE EVALUATION

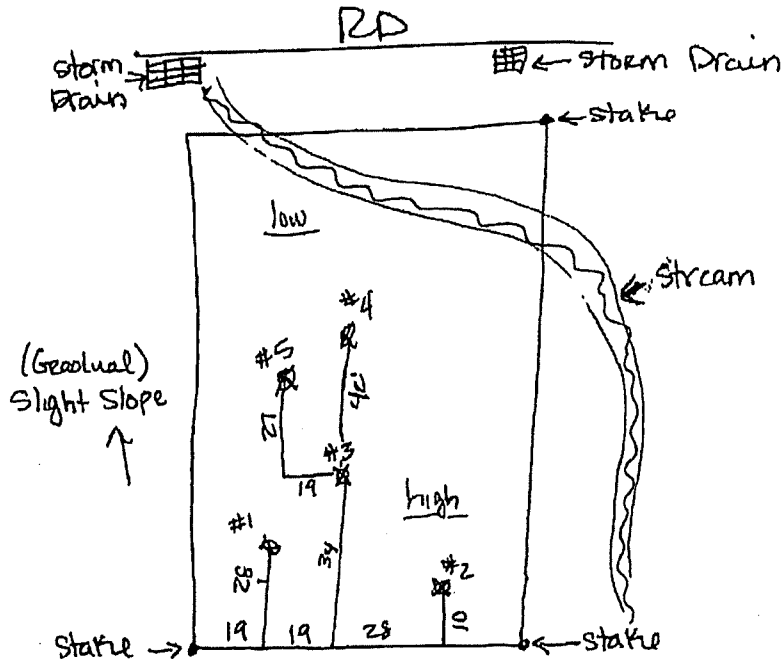
4/3/13 M. Lowery
w/ DAVE CARE



WATER CONDITIONER? YES NO LOCATION OF BACKWASH DISCHARGE _____
 HOUSE OCCUPIED? YES NO NUMBER OF OCCUPANTS _____
 FAILING SYSTEM? YES NO OVERFLOW BACK-UP COLLAPSED TANK
 OTHER/COMMENTS: _____

BRF FUNDING PRIORITY (1-6): _____
 BRF FINANCIAL QUALIFICATION: _____ % NUMBER OF OWNERS: _____ TAX YEAR: _____ INITIALS: _____
 BRF VENDOR CONTRACT RECEIVED EARLY? DATE: _____ UNIT TYPE: _____

SKETCH

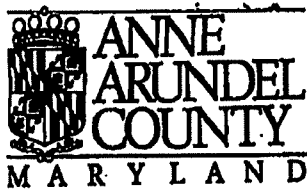


No Scale

THIS SKETCH PLAN CANNOT BE USED FOR PURPOSES OF BUILDING DEVELOPMENT

SPECIAL CONDITIONS

CHRONOLOGY



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 (8) site plans must be submitted that contain the following information:

1. Percolation test application number.
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 and label all structures, existing and proposed.
9. 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.
10. If waterfront property, show name of waterway, location of mean high water line, 100' setback from the waterline.
11. If applicable, show the critical area boundary on the lot.
12. The location of all percolation test(s), both passing and failing.
13. 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.
14. 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, septic 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, after grading, surface water will flow to or from the street, on or off the property, and away from the septic area and well.
15. The location of a 100-year floodplain, including FEMA floodplain.
16. The elevation of the basement and ground floor level of the house and the location and elevation of the waste line from the house, septic tank and septic system.
17. The location of the platted 10,000 square foot sewage disposal area.
18. Location of any easement(s) and right-of-way(s) affecting the property.
19. 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.
20. Location of the existing and proposed on-site storm water management structures and storm drains.
21. Location of walks, driveways, parking areas, steps, decks, terraces, porches, retaining walls, overhangs, and projections (existing and proposed).

For large sites two (2) 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 (2) years from approval date.

If a building permit is not obtained within two (2) 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 Code) Table 1600.4.3

All Distances are in feet	Well in Unconfined Aquifer	Well in Confined Aquifer	Septic Tank	Distribution Box	Disposal Field	Dry Well	Drain Field
Building sewer other than cast iron or approved PVC	100	50	--	--	--	--	--
Building sewer cast iron or approved PVC	10	10	--	--	--	--	--
Septic tank	100	50	--	5	10	10	10
Distribution box	100	50	5	--	5	5	5
Drainfield**	100	50	10	5	--	--	--
Dry Well*	100	50	10	5	--	--	--
Disposal Field (including mound systems)	100	50	10	5	--	--	--
Building with basement	30	30	20	20	20	20	20
Building without basement	30	30	10	20	20	20	20
Property line	10	10	10	10	10	10	10
Water line	--	--	10	10	10	10	10
Road or right of way	15	15	10	10	10	10	10
Retaining wall; 25% or greater slopes	--	--	25	25	25	25	25
Swimming Pool	10	10	10	20	20	20	20
Storm Drain*** (closed conduit)	--	--	10	10	10	10	10

* 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 separation of 24 feet from its neighbor.

** 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 distance is required. Areas with a slope of greater than 25% cannot be utilized for individual sewage disposal system.



GREENSPRING COMPASSPOINT
GOLF COURSE
PLAY BOOK 213, PLAT PAGE 4
TM 18 BLK 13 P 18
ZONING: RLD

EX WELL
TO REMAIN
TAG# AA-81-2074

N83°48'48.87"E
187.0'

#100

LOTS
#101
80 A-B,
61 A-B

19,281 SF,
0.44 AC.

180.21'
S83°48'44.25"W

BELHAVEN AVENUE

*Not covered in snow at time
of perc, locations are approx.,
could not locate stakes. Must
field locate.*
*See attached for other
Perc locations.*
3/19/15 located stake @
SV, ±35' from rear
propline (#100) *15*

PERC SITE PLAN
SCALE: 1" = 30'



PERC SITE PLAN
8106 BELHAVEN AVENUE
BELHAVEN BEACH, LOTS 80 A-B, 61 A-B
ZONING: R-1
TAX MAP 18 BLOOR 14 PARCEL 223
SCALE: AS SHOWN DATE: FEBRUARY, 2015
ZIP CODE: 21122
3RD ASSESSMENT DISTRICT ARNE ARUNDEL COUNTY, MARYLAND