



Howard County Health Department

KN called 9/21/04 Scheduled 9/21/04

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 520896

AGENCY REVIEW: _____

DATE 9/21/04

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Efrain Larenas

DAYTIME PHONE 301-483-9302 CELL 301-367-7616 FAX _____

MAILING ADDRESS 7501 Flamewood Dr. Clarksville MD 21029-1823
STREET CITY/TOWN STATE ZIP

APPLICANT Sam Corrice (LDE, Inc.)

DAYTIME PHONE 410-715-1070 CELL 443-928-4132 FAX 410-715-9540

MAILING ADDRESS 9250 Rumsey Rd Columbia MD 21045
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Larenas Property LOT NO. 2

PROPERTY ADDRESS 7529 Old Columbia Rd Laurel 20723
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 41 GRID 17 PARCEL(S) 270 PROPOSED LOT SIZE 0.95 AC

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. Sam Corrice
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AP ^{520895 +} ~~629876~~

AGENCY REVIEW: _____ DATE 9/21/2004

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

X Use Existing System

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

X Existing Structure

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 3 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Efrain Larenas

DAYTIME PHONE 301-483-9302 CELL 301-367-7616 FAX 301-953-0190

MAILING ADDRESS 7501 Flamewood Dr Clarksville MD 21029-1823
STREET CITY/TOWN STATE ZIP

APPLICANT Sam Corrice (LDE, Inc.)

DAYTIME PHONE 410-715-1070 CELL 443-928-4132 FAX 410-715-9540

MAILING ADDRESS 9250 Rumsey Rd Columbia MD 21045
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Larenas Property LOT NO. 1

PROPERTY ADDRESS 7529 Old Columbia Rd Laurel 20723
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 41 GRID 17 PARCEL(S) 270 PROPOSED LOT SIZE 1.03 AC

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

Sam Corrice
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP

④

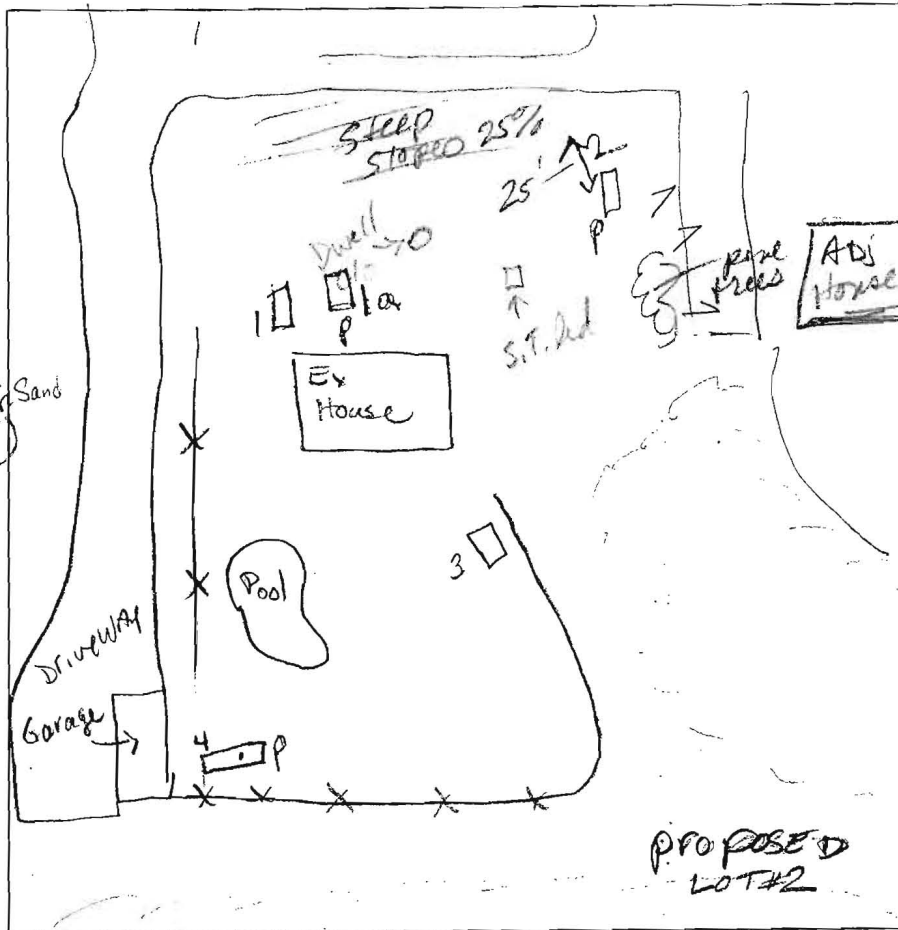
DK brn
Loam
micac.

3'

Brn micac,
L Sand
loose Sg
Compacted
in ground

10 1/2'

Black
robrz
stony frags
w/ mica
hard saprolite
~ 20%



①

org brn
compact
Sg. Loam
pockets hvyl

5'

wk org brn
micac
SL-L
w.c.
S.g.

Bottom

②

org brn
hvyl
&
Loam
compact

6 1/2'

wk org
brn
micac.
S.g.
LS
saprolite
~ 10%

Bottom

③

Str brn
hvyl
pockets
in Loam
1pl

4'

org brn
SL, micac
Sbk

5'

Loam
sw
wall
stony
frags
30%

6'

lt brn
up
LS
w.c. Sg

Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2-11-05	4	4 1/2 M	10:45 ³⁰	10:48 ⁴⁹	10:53 ⁺	5 ⁺	P
TESTED IN SAND							
Tested in illuvial ZONE	3	5 1/2 S	11:14 ⁰⁰	11:40 ⁰⁰	11:56 ⁰⁰	@ 6'	
	2	7 1/2	11:52 ³⁰	11:56	12:00	4	P
	1	6 1/2	12:21	12:58	37min 1st inch		
		8'	1:35 ⁰⁰	Too slow			
	in 8'		1:44 ⁰⁰	1:47	1:51	4	P

②

N
NW

settled
fill

Brn loam
w.c. Sg

org brn
Em blich
white
LS
trace Rock
10%

Bottom

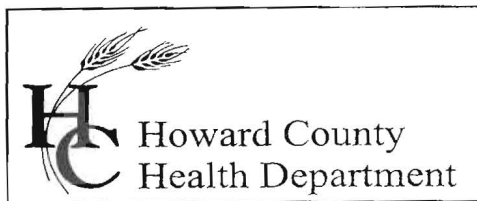
REMARKS Drywell effluent level 27' below grade, need to pump S.T. full to top

SANITARIAN Kacie BACKHOE OTHERS SAM, Mr. Larenas

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Ex
SEPTIC System TO BE SERVICED



7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

February 14, 2005

Mr. Efrain Larenas
7501 Flamewood Drive
Clarksville, MD 21029

RE: **Percolation Test Results**

Proposal: Subdivision of existing lot
Property ID: 7529 Old Columbia Road
Tax Map: 41 Parcel #270

Dear Mr. Larenas:

Percolation testing was conducted February 11, 2005, on the above referenced property. Suitable soil conditions were encountered in the areas tested for both lots with the exception of one hole, #1. Adjustment to hole 1 is noted as 1a. A copy of the percolation test results is enclosed.

A registered engineer should submit a Percolation Certification Plan showing the following information to this office at this time:

- actual locations and elevations of all excavated test holes
- proposed septic reserve areas 25' away from steep slopes and swales
- suitable house site for lot 2
- locations of streams/swales/springs and any other features on the property
- field matched contour lines at 2-foot intervals
- location of all existing wells and septic systems within 100 feet of all property boundaries. Include the location of the existing septic tank and dry well for lot 1.
- Add a note including the proposed number of bedrooms for lot 2
- Show trench length layout for each lot and include total SDA square footage

To help establish distances to steep slopes, it is advisable to show a percolation certification plan with grading around the proposed house site. Remember, septic areas cannot not be graded. You may create a building site and percolation certification plan as one. As a reminder, the septic tank lid cannot be any

deeper than 3'. For Lot 2, Inverts into the trenches are designed for 5' below grade with the bottom of the trenches at 7'. A compartmented 1500 gallon tank is required. Also enclosed are ideas of adjustments to the proposed septic disposal areas which **may** be acceptable. You may want to improve on possible SDA adjustments by changing lot lines to ensure COMAR regulations are met.

Prior to approval of a plan, existing lot 1 must have the existing septic system serviced and inspected by a contractor. Possible upgrade by installation of a trench may be needed with an inlet no shallower than 6' and trench bottom at 8'. If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-1775. Thank you in advance for your time and cooperation.

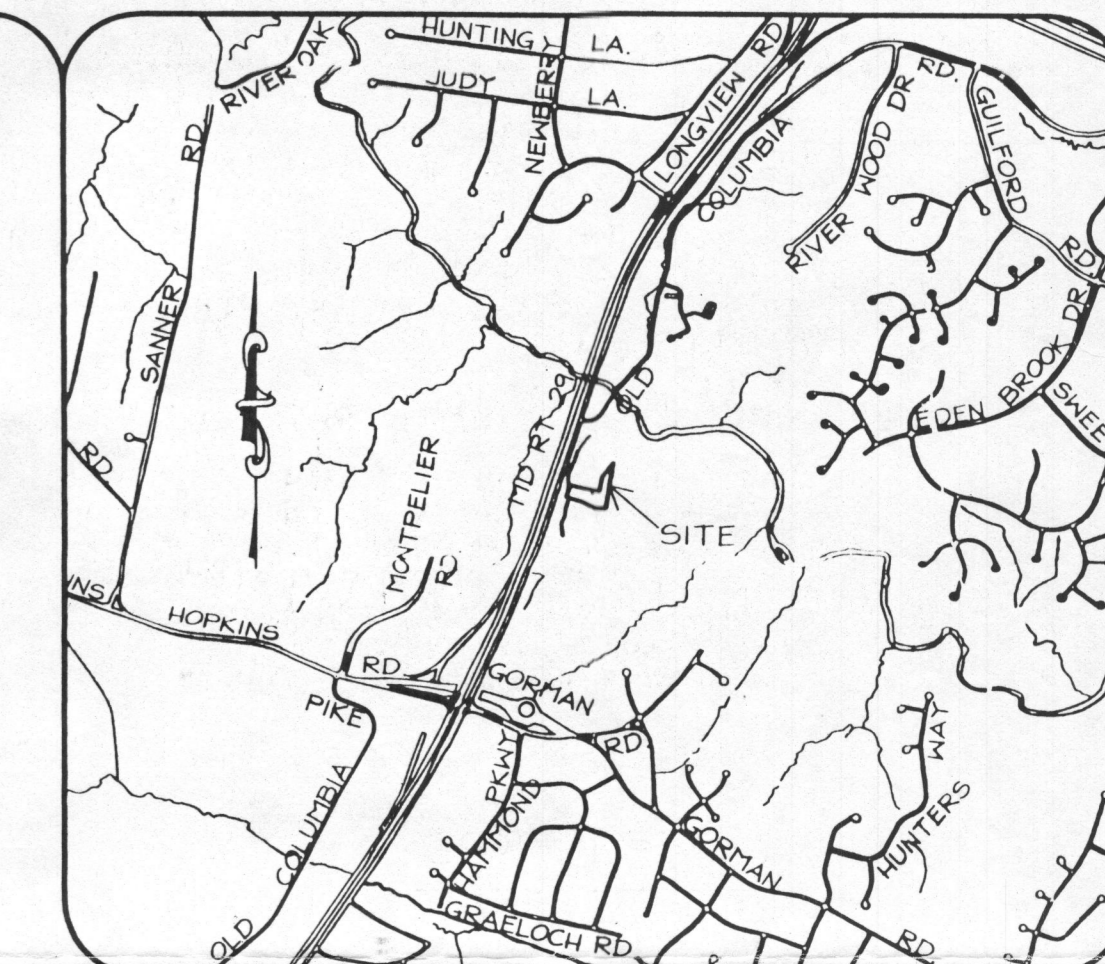
Sincerely,



Kacie Noonan R.S.
Water and Sewerage Program

Enclosures

Cc: Sam Corrice/ LDE, Inc.
file



Vicinity Map
Scale 1"=2000'

NOTES:

- The topography shown hereon is based on a field survey by LDE, Inc. and expanded by a Howard County digital photogrammetry map.
- The property lines shown hereon are based upon air-rainings of record and recorded deeds.
- Unless otherwise shown, no wells or septic systems are located within 100' of the property.
- The purpose of this plan is to provide area for three useable septic systems for a four (4) bedroom house for new lot 2 and assess and identify a 10,000 Sq. Ft. septic area for the existing home on Lot 1.
- Total Area of Property 2.0 Acres ±
- The lots shown hereon comply with the minimum lot area and the ownership width as required by the Maryland State Department of the Environment.
- Ex Zoning: R-20
- Deed Reference: Liber 976 Folio 139
- Public water will be utilized for Lot 2.
- Existing dwelling on Lot 1 is connected to public water.
- Existing septic for Lot 1 must be repaired prior to final record plat.

LEGEND

- Existing 2' Contour- [Symbol]
- Existing 10' Contour- [Symbol]
- Existing Treeline- [Symbol]
- Existing Driveway- [Symbol]
- Soils Boundary- [Symbol]
- Existing Stream- [Symbol]
- Proposed Percolation Test Hole/Passed ●
- Percolation Test Hole/Failed ○
- Previous Test Locations (Observation) ● 10/12/04
- Existing Well- (W)
- Ex. Well (Abandoned) - - ●
- Proposed Septic (10,000 Sq. Ft.) Recovery Area [Symbol]
- 25% or Greater Slopes- [Symbol]

SOILS LEGEND			
HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
D	Ba	Baile Silt Loam	
B	M1B2	Manor loam, 3% - 8% slopes, moderately eroded	
B	MgC2	Manor Gravelly loam, 8% - 15%, moderately eroded	
B	M1D2	Manor loam, 15% - 25% slopes, Moderately eroded	
B	M1E	Manor loam, 25% - 45% slopes.	

[Symbol] This area designates a Private Sewage Easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

* No Records Found By Howard County Health Department.

PERC CERTIFICATION

I certify that the locations shown hereon are based on field locations done under my supervision and are correct to the best of my professional knowledge and belief.

D. Wayne Welker
D. Wayne Welker, Professional Land Surveyor
MD Reg. No. 10685

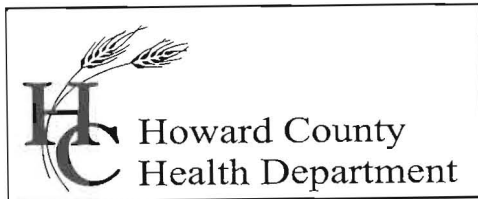
11/4/05
Date



Approved: For Public Water and Private Sewerage
Howard County Health Department

Robert S. Walker
Robert S. Walker, Health Officer
11/7/05
DATE

LDE Inc. Engineers, Surveyors, Planners 9250 Ramsey Road, Suite 100 Columbia, Maryland - 21045 (410)715-1070 - (301)596-3424 - FAX (410)715-9340		
DESIGNED SWC	Percolation Certification Plan	SCALE 1"=50'
DRAWN MDL	Lots 1 & 2 Larenas Property	DRAWING 1 OF 1
CHECKED SWC	Tax Map #41, Grid #17 Parcel #270 6th Election District - Howard County, Maryland 2529 Old Columbia Rd Laurel, MD 20723	JOB NO. 04-026
DATE 7/2005	OWNER Efrain R Larenas Et Al 7501 Flamewood Dr. Clarksville, MD 21024	FILE NO. 04-026



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

November 3, 2005

Mr. Larenas
7529 Old Columbia Road
Laurel, MD 20723


Re: Septic Upgrade
Tax Map: 41 Parcel: 270 Lot: 1

Dear Mr. Larenas,

Our office has reviewed your proposal repair the septic system for lot 1 at the time of septic installation for lot 2. Our office cannot grant your variance.

Signature of the Percolation Certification Plat is granted at this point. Prior to final record plat signature, submit a plan by your engineer showing the inverts for the existing sanitary line coming from the house, the septic tank, and the trenches. The septic area needs to be staked out in the field by a licensed engineer prior to septic installation. The existing dry well will need to be abandoned and sealed. After the septic upgrade is done for the existing house, our office will sign the final record plat and then you may proceed with a building permit for the new lot.

If you have any further questions, contact the desk sanitarian @ 410-313-1771. Thank you for your time in this important matter.

Sincerely,

Kacie Noonan, R. S.
Well & Septic Program

KN

Cc: file