



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 546224

AGENCY REVIEW: \_\_\_\_\_

DATE 1/14/04

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 5 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) KISHAN AMARASEKERA

DAYTIME PHONE 410.992.3424 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 9200 RUMSEY ROAD SUITE 205 COLUMBIA MD 21045  
STREET CITY/TOWN STATE ZIP

APPLICANT SWARNIL JOSHI

DAYTIME PHONE 410.992.3424x111 CELL 443.844.4607 FAX 410.992.1037

MAILING ADDRESS SAME AS ABOVE 410.992.3424x111  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME LINDEN LOT NO. 3

PROPERTY ADDRESS 12000 LINDEN CHURCH ROAD, CLARKVILLE  
STREET TOWN/POST OFFICE

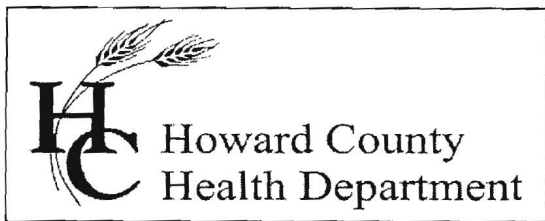
TAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE 3 AC.

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.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



**Bureau of Environmental Health**

8930 Stanford Blvd., Columbia, MD 21045

Main: 410-313-1771 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

February 20, 2014

To: Swapnil Joshi, Applicant  
[swapnil@atimd.com](mailto:swapnil@atimd.com)

RE: Percolation Test Report; 12800 Linden Church Road

Percolation tests were conducted at 12800 Linden Church Road (Tax Map 28, Parcel 721) on February 20, 2014. Five test locations, '1' to '5', were staked in a wooded area in advance of the test date. Tests were conducted at accessible locations at, or near to, the respective stakes.

All five test locations 'PASS', having soils that are satisfactory for wastewater treatment and disposal. Locations of percolation tests that 'PASS' are used to define the sewage disposal area (SDA) proposed on the Percolation Certification Plan. The percolation test results and suitable area for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan.

The lower boundary of the proposed SDA should be adjusted to generally coincide with the elevation of the lowermost percolation test. (See attached graphic.) The percolation test Field Worksheet is also enclosed with this letter.

If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan or BAT Site Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,

Robert Bricker, CPSS, REHS/RS, L.E.H.S.

Environmental Sanitarian II

Well and Septic Program

Enclosures: 1 Perc Test Application Field Worksheet)

1 Photocopy (i.e. mark-up) of percolation test plan

Copy: file

#13072 Linden Church Rd.

(4) center column

(5)  
 0.8' dk grey-brn L  
 brn L, 1 csbk  
 2.3' brn sl, 2 msbk  
 few stones  
 red sl (heavy)  
 2 epl → 3 v epl  
 4.5' dk clay s klus  
 red & brn ls, 1 fpl  
 many coarse mica  
 9' red & pale brn ls, 3 fpl  
 mica ceous  
 12" (3)



0.8' dk grey-brn L  
 2' brn L, 2 msbk  
 few stones  
 yel-red  
 & pale brn  
 vst L (quartz)  
 6.5' 3p (red-yellow)  
 around stones  
 2 cabk, clay  
 coats, thin  
 11' red & brn ls  
 mica ceous

(3)  
 0.8' dk brn L, 1 csbk  
 2.2' brn L, 1 msbk  
 red sl (heavy)  
 3.5' 1 csbk  
 red & brn ls  
 3 fpl, dense  
 mica ceous  
 4' red & brn ls  
 mica ceous  
 many coarse mica  
 9' red & blk ls  
 3 epl, dense  
 mica ceous  
 few channers  
 11' (4) end

(1)  
 dk grey brn L  
 to brn L, 1 msbk  
 2' brn ls  
 many mica  
 3.2' red sl (heavy)  
 common mica  
 4.2' brn & blk  
 ls, many c, mica  
 7.5' 10% stones  
 brn & blk  
 ch ls, many c, mica  
 3 epl  
 mica ceous  
 10' (3)

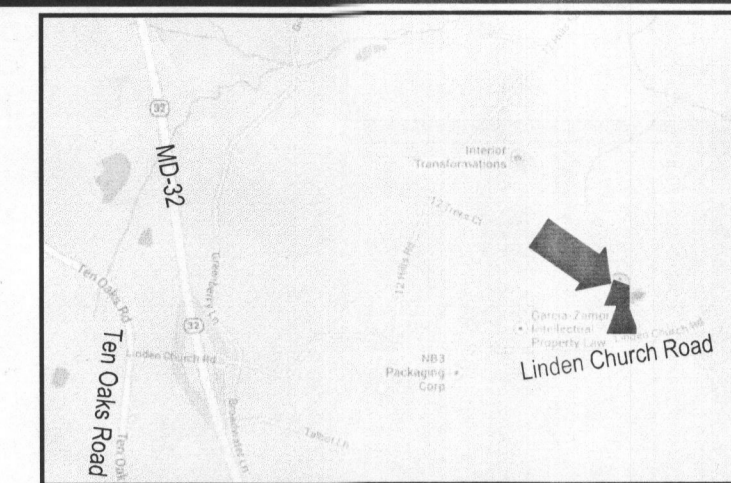
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/20/14	5	6.5' / 12'	9:34	9:37	9:44	7	P
2/20/14	3	11'	Visual	Side wall 4' to 7'	1.2 gpd / 1.2		P
2/20/14	4	6' / 11'	10:44	10:48	11:10	22	P
2/20/14	1	5.7' / 10'	12:19	12:22	12:27	5	P
2/20/14	2	5.7' / 11.5'	1:02	1:05	1:12	7	P
2/20/14	(4)	11'	Visual	Side wall 4'-7'	0.8 gpd / 1.2		P

0.5' dk brn L, 2 csbk  
 1.5' brn L, 1 msbk  
 red & brn ls  
 many mica  
 7.5' red ls  
 m 2 p (blk)  
 3 epl  
 many coarse mica  
 few garnets  
 3% channers  
 11'

REMARKS #4: Soil Profile differs at center of hole.

SANITARIAN Bricker BACK/IOE Dan & Mike OTHERS Swapni Joshi  
 TEST HOLES USED IN SDA Andrew G. Freedom Septic Rishant Amarasakera  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT. DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

11.5'



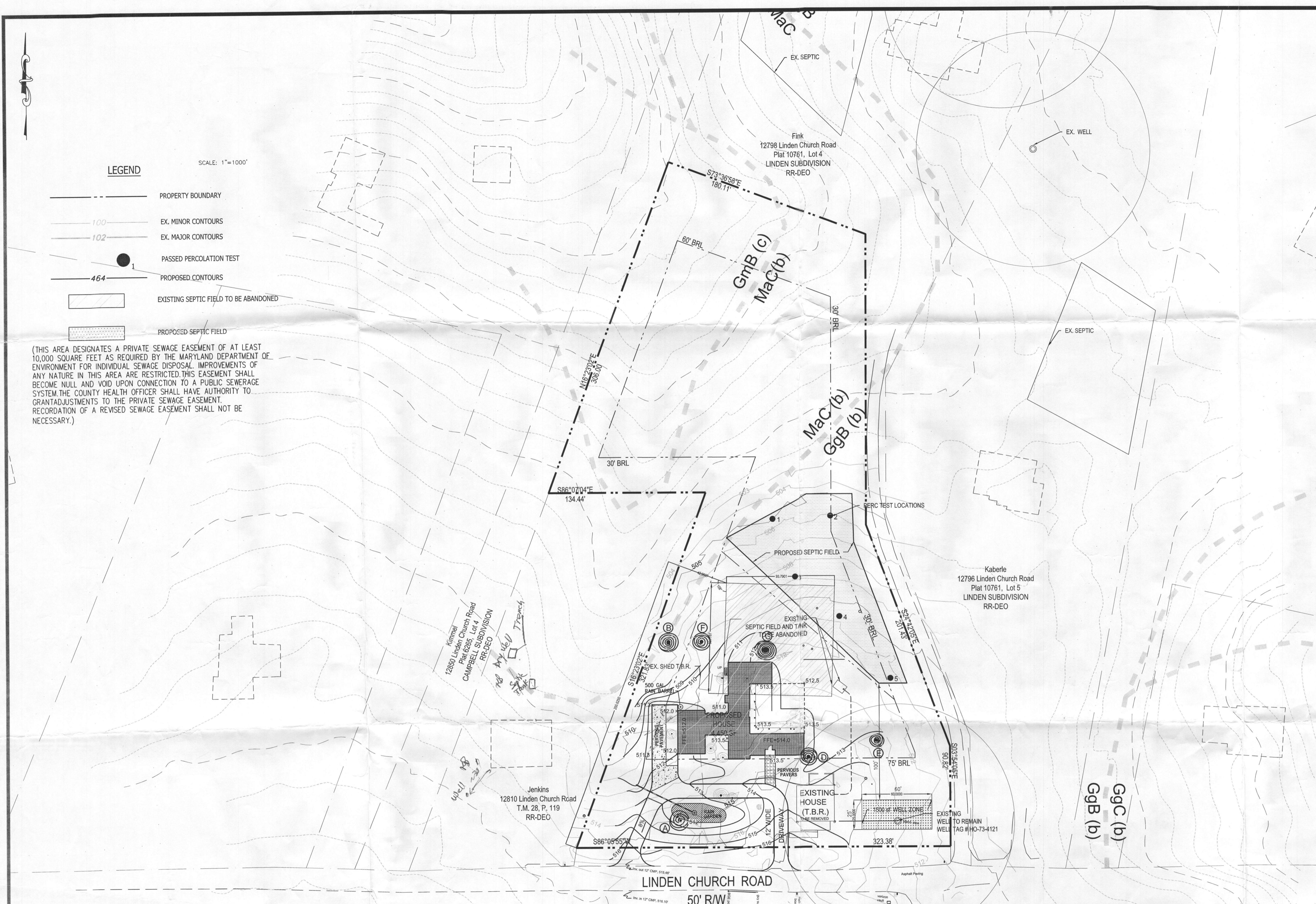
VICINITY MAP

**LEGEND**

SCALE: 1"=1000'

- PROPERTY BOUNDARY
- EX. MINOR CONTOURS
- EX. MAJOR CONTOURS
- PASSED PERCOLATION TEST
- PROPOSED CONTOURS
- EXISTING SEPTIC FIELD TO BE ABANDONED
- PROPOSED SEPTIC FIELD

(THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.)



**STATEMENT OF PURPOSE**

THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN REVISION IS TO RECONFIGURE THE SEWAGE DISPOSAL AREA IN ANTICIPATION OF DEMOLISHING THE EXISTING RESIDENCE AND BUILDING A NEW RESIDENCE

**GENERAL NOTES**

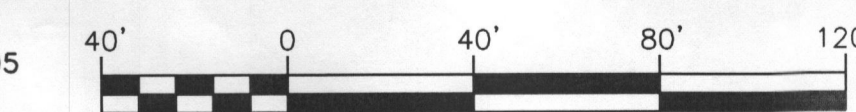
1. CURRENT TITLE REFERENCE  
OWNER - KISHAN AMARASEKERA & RADHIKA M. JETUNCE  
DEED REFERENCE - LIBER 13364, FOLIO 426  
DATE - AUGUST 2, 2011  
GRANTOR - M. WHITE
2. ZONING: RR-DEO
3. PROPOSED USE: SINGLE FAMILY RESIDENTIAL  
PROPOSED SEWER - PRIVATE  
PROPOSED WATER - PRIVATE
4. THE TOPOGRAPHY IS SHOWN AS PER FIELD RUN SURVEY BY EDWIN SMITH, P.L.S. IN SEPTEMBER & OCTOBER 2011. THE DATUM USED IS BASED ON NAVD88. PROPERTY LINES POSITIONED HEREON BASED ON RECORDED HOWARD COUNTY PLAT #10761, "LINDEN SUBDIVISION LOTS 3-5, A RESUBDIVISION OF ROBERT WHITE'S ADDITION TO LINDEN, LOT 2," DATED 31 MAY 1991 AND PREPARED BY BOENDER ASSOCIATES OF ELLICOTT CITY.
5. THERE ARE NO FLOODPLAINS ON SITE.
6. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
7. CONTRACTOR TO MAINTAIN POSITIVE SLOPE AWAY FROM THE FOUNDATION OF THE HOUSE.
8. THERE ARE NO WETLANDS OR STREAMS ON SITE.
9. THERE ARE NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES ON SITE.
10. TOTAL SITE AREA = 3.003 ACRES  
TOTAL FORESTED AREA = ACRES  
TOTAL FORESTED AREA PROPOSED TO BE CLEARED = ACRES  
TOTAL AREA WITHIN LOD = SQ.FT.  
WATERSHED = MIDDLE PATUXENT RIVER

**PERCOLATION PLAN CERTIFICATION STATEMENTS**

1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
2. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
4. TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
5. THERE ARE NO WELL AND SEPTIC EASEMENT WITHIN 100' OF SOUTH OF THE PLOT.
6. THE EXISTING SEPTIC SYSTEM COMPONENTS MUST BE ABANDONED PRIOR TO DEMOLITION OF THE EXISTING RESIDENCE. PROPER DOCUMENTATION MUST BE RECEIVED BY THE BUREAU OF ENVIRONMENTAL HEALTH, INCLUDING AN INVOICE FOR PUMPING THE SEPTIC TANK DRY, AND AN INVOICE ON THE CONTRACTOR'S LETTERHEAD INDICATING THE WORK COMPLETED TO PROPERLY ABANDON THE SEPTIC TANK AND FILL THE RESULTING VOID.

OWNER/DEVELOPER

Kishan Amarasekera  
9200 Rumsley Road, Suite 205  
Columbia, MD 21045  
(410) 992-3424



PERCOLATION TEST RECEIPT A5 46224 DATED 1/14/14

SPECIMEN TREES	
SYMBOL	NAME/DESCRIPTION
A	32" POPLAR
B	31" POPLAR
C	44" POPLAR-POOR
D	31" WALNUT - FAIR
E	32" WALNUT - FAIR
F	31" WHITE ASH

SOIL TABLE		
SYMBOL	NAME/DESCRIPTION	TYPE
GgB	Glenelg loam, 3 to 8 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
MaC	Manor loam, 8 to 15 percent slopes	B

**BENCHMARKS**  
HOWARD COUNTY BENCHMARK - 31AB (CONC. MONUMENT)  
N 573984.47 E 1359949.46 ELEV. 489.93  
LOCATION: IN AN ELECTRICAL TRANSMISSION TOWER EASEMENT 86' FROM TRANS. TOWER 281A AND 114.2' FROM TRANS. TOWER 281, APPROXIMATELY 0.2 MILES EAST OF #4641 NEW CUT ROAD.  
HOWARD COUNTY BENCHMARK - 31DA (CONC. MONUMENT)  
N 571982.66 E 1372145.07 ELEV. 481.64  
LOCATION: EAST SIDE OF ROLLING TOP ROAD, APPROXIMATELY 0.1 MILES NORTH OF ORCHARD ROAD.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT I AM A FULLY LICENSED CIVIL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE # 28010, EXPIRATION DATE: 4/23/2015

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

*Signature of Maura Roseman*  
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT.

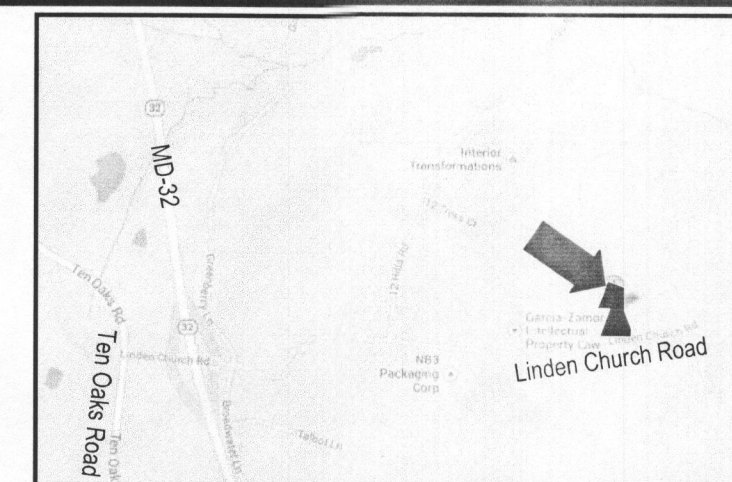
DATE: 6/3/2014  
*Signature*

**PERCOLATION CERTIFICATION PLAN**

12800 LINDEN CHURCH ROAD  
PLAT NO. 10761 LOT 3  
RECORDED IN LIBER 13364, FOLIO 426  
5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
TAX MAP - 28 GRID - 17 PARCEL - 721

SCALE: 1"=40' JOB NO.: 14111 DATE: FEB 24, 2014 SHEET: 1 OF 1

PC 546224



VICINITY MAP

**LEGEND**

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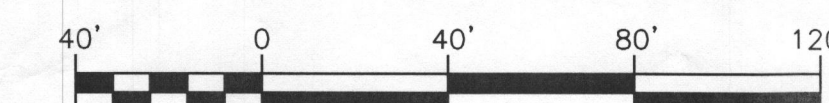
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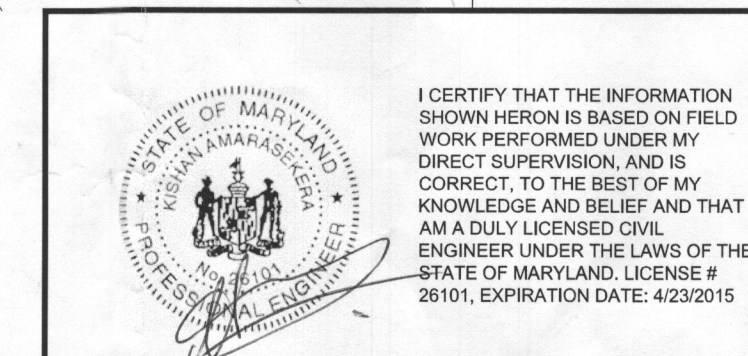


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