



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A# 520021-A

AGENCY REVIEW: _____ DATE 1/7/2004

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

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) AKINYEMI DAMISAIYE

DAYTIME PHONE 301.937.7500 CELL 301.343.4126 FAX _____

MAILING ADDRESS 12231 HIGHLANDER COURT LAUREL MD 20708
STREET CITY/TOWN STATE ZIP

APPLICANT FEMI ODUPANJO

DAYTIME PHONE 301.937.7500 CELL 301.343.4126 FAX 301.937.7571

MAILING ADDRESS 4815 PRINCE GEORGE'S AVE #204 BELTSVILLE MD 20705
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME J.K. CHUNG PROPERTY LOT NO. P. 216

PROPERTY ADDRESS 13675 NICHOLS DRIVE CLARKSVILLE
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 8 PARCEL(S) 216 PROPOSED LOT SIZE 1.513 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
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

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PROPERTY OWNER(S) AKINYEMI DAMISAIFE

DAYTIME PHONE 301.937.7500 CELL 301.343.4126 FAX 301.937.7571

MAILING ADDRESS 12231 HIGHLANDER COURT, LAUREL MD 20708
STREET CITY/TOWN STATE ZIP

APPLICANT FEMI ODUBANJO

DAYTIME PHONE 301.937.7500 CELL 301.343.4126 FAX 301.937.7571

MAILING ADDRESS 4815 PRINCE GEORGE'S AVE BELTSVILLE MD 20705
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME J.K. CHUNG PROPERTY. LOT NO. 125

PROPERTY ADDRESS 13695 NICHOLS DRIVE, CLARKSVILLE
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 8 PARCEL(S) 114 PROPOSED LOT SIZE 1.487 AC

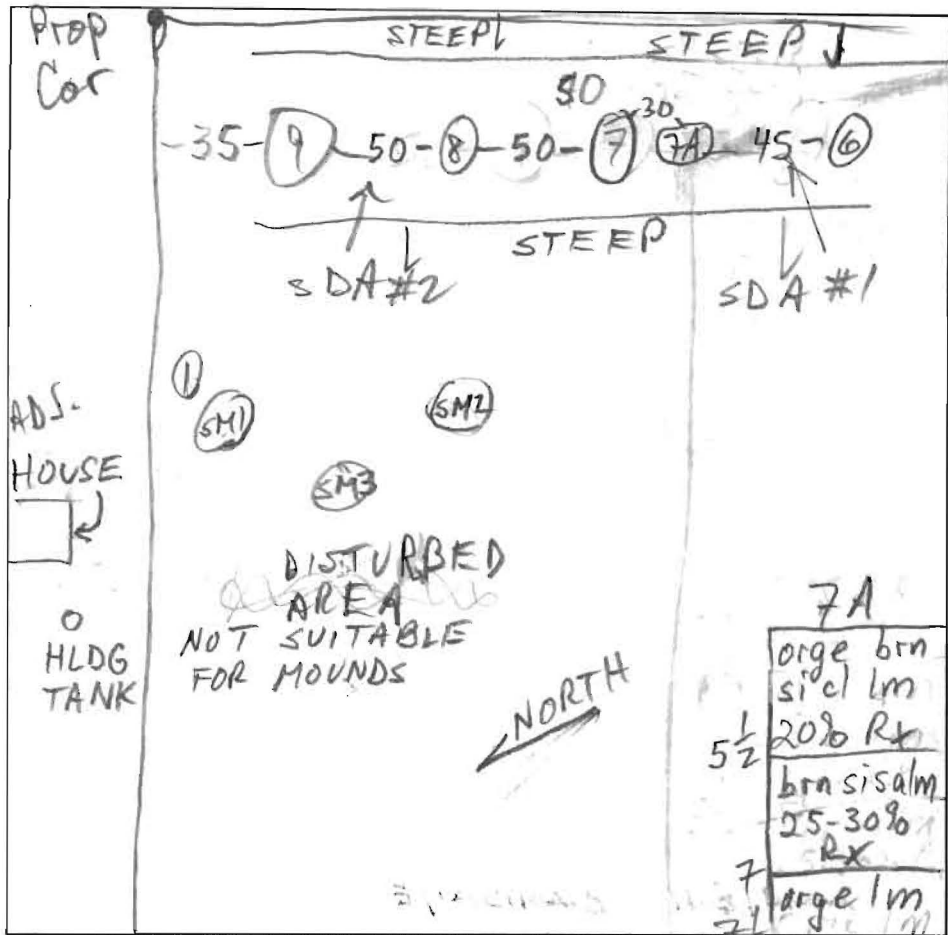
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[Signature]
SIGNATURE OF APPLICANT

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AP
 18' brn siallm
 orge prn
 clay m
 4' tan pink
 yel
 sa clay
 w/hvy
 mottles
 9'



7' brn
 siallm
 4-6'
 4-6' red orge
 tan hvylm
 25-35%
 Rx
 13'

SM3
 6' brn red
 orge
 hvysilm
 4' orge
 red
 siallm
 7' orge
 hvysiallm
 w/mottles
 9'

7A
 orge brn
 siallm
 20% Rx
 5 1/2'
 brn siallm
 25-30%
 Rx
 7'
 orge l m
 7 1/2'

8'
 orge brn
 red
 cl m
 3-4'
 fine
 tan
 pink
 sa
 l m
 5%
 Rx
 hvylm
 brn
 mica
 silt
 1 1/9'
 8 1/2-9'

6' brn orge
 hvylm
 4' tan orge
 sandlm
 14' NORTH
 15-25-30%
 Rx
 25-50%
 Rx
 SOUTH

9'
 brn
 orge
 hvylm
 3'
 tan
 pink
 sa l m
 5% Rx
 12'

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | P/F/H |
|--------|--------|----------------|---------|------------------|-----------------|---------------------|-------|
| 6/9/04 | 1 V | 9 | | | | | F |
| | SM3 v | 9 | | | | | F |
| | 6 v | 14 | 2:10 | 2:14 | 2:22 | 8 | P |
| | 7 SM | 13 | 3:08 | 3:23 | NO DROP | | F |
| | 8 v | 14 | 3:58 | 3:44 | 3:53 | 9 | P |
| | 6 | 6 IN RX | 5:27-30 | 5:37 | | 20 EST | P |
| | 7A S v | 6 1/2 7 1/2 | 5:42 | 5:48 | | 12 EST | P |
| | 9 v | 12 | | | | | P |

REMARKS MARGINAL DUE TO STEEP SLOPES SURROUNDING HOLES
 SANITARIAN M. Rittin BACKHOE Mr. Brashear OTHERS Femi O.
 TEST HOLES USED IN SDA 6-7A, 8-9 AVG. PERC TIME 2 1/3 SQ. FT/BR 210
 TRENCH WIDTH 2 INLET DEPTH 4 MAX. BOT DEPTH 8 EFFECTIVE SW 2

TEST DATA

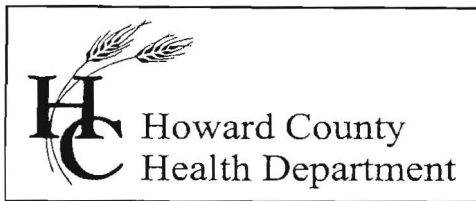
| | |
|------------------------------|----------------------|
| NAME <u>Femi Odubanjo</u> | FILE NO _____ |
| LOCATION <u>Nichols Dr</u> | COUNTY <u>Howard</u> |
| _____ | DATE <u>6/9/04</u> |
| _____ | GRID _____ E |
| RECORDED BY <u>M. Riffin</u> | _____ N |

| HOLE NO. | TEST NO. | DEPTH | CLOCK TIME | ELAPSED TIME | MEASUREMENT | REMARKS (Method,Moisture,Biopores) |
|----------|----------|-------|------------|--------------|-------------|---------------------------------------|
| SM 3 | | | | | | TEST NOT STARTED |
| | 0 | | | | | brn top soil |
| | 14 | | | | | brn red |
| | 24 | | | | | org & hvys sil m |
| | 28 | | | | | tan sil m |

TEST DATA

| | |
|-------------------------------|--------------------|
| NAME <u>Femi Odubanjo</u> | FILE NO _____ |
| LOCATION <u>Nichols Dr</u> | COUNTY <u>HO</u> |
| _____ | DATE <u>6/9/04</u> |
| _____ | GRID _____ |
| RECORDED BY <u>M. R. Akin</u> | E N |

| HOLE NO. | TEST NO. DEPTH | DEPTH ^{H₂O} DEPTH | CLOCK TIME | ELAPSED TIME | MEASUREMENT | REMARKS (Method, Moisture, Biopores) |
|----------|-------------------------|--|----------------|------------------|---------------|---|
| SM1 | 75" | 7" | 10:33 | 00:33 | 10 | > 1 > 9/16 > 13/16 |
| | | | 10:53 | 20 | 9 | |
| | | | 11:13 | 20 | 8 3/16 | |
| | | | 11:38 | 25 | 7 10/16 | |
| | 0 brn silt/m | | | | | OK |
| 12 | orange brn cl/m | | | | | |
| 33 | | | | | | |
| SM2 | 13" | 7" | 11:26 11:41 | 15 | 10 9 29/32 | > 3/32 FAIL |
| | SAME PROFILE AS 1 | | | | | |



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(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
June 29, 2004

Femi Odubanjo
4815 Prince George's Avenue
Beltsville, MD 20705

RE: Percolation Test Results – A 520021
TM 34, Parcels 114 and 216, Nichols Drive
Two Parcels of Record as One Buildable Unit

Dear Mr. Odubanjo:

Percolation testing conducted June 9, 2004 on the referenced property indicated limited satisfactory soil conditions for conventional trench designs and unsatisfactory soils for sand mounds. The primary limiting factors for sand mounds are disturbed soils and slow test times produced by dense clay layers; the primary limiting factors for conventional trench designs are slow test times created by deep clay layers and proximity to steep slopes. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations of all excavated test holes with field-verified topography; the field-run topography currently shown in the vicinity of the proposed sewage reserve area should be verified, as field observations appear to indicate some non-steep slopes where steep (> 25%) slopes are shown; all steep slopes should be marked
- 2) two proposed sewage reserve areas, each showing one system (one based on holes 6 & 7A showing 230' of trench and one based on holes 8 & 9 showing 240' trench)
- 3) proposed house and well site
- 4) statement that all wells and septic systems within 100 feet of property boundaries are shown
- 5) statement indicating that depicted topography reflects field-verified information
- 6) the plan identification number (PC 520021) in the title block

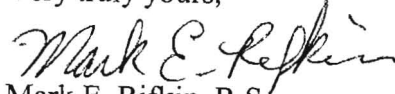
7) committing to offsite easement on P. 216 to serve P. 114 prior to well permit (SR)

While a sewage reserve area cannot be approved less than 25' from downhill steep slopes, a sewage reserve area less than 25' from the steep slopes uphill may be potentially approvable, contingent upon two conditions. These two conditions are 1) commitment to install a berm and curtain drain located at the toe of the steep slopes and at least ten feet uphill of the highest proposed sewage trench; and 2) statement that approval of a variance request to MDE to the 25' separation to steep slopes required by regulation (COMAR 26.04.02.04.J1.) must be issued prior to well permit approval.

In addition, due to the parcels' proximity (< 2500') to the Triadelphia Reservoir, Health Dept. approval is also contingent upon commitment to one of the following: 1) recording a plat combining the parcels as a single unit; or 2) statement that approval of a variance request to MDE to the 2-acre minimum lot size required by regulation (COMAR 26.04.02.04.K) must be issued prior to well permit approval **and** commitment to pre-treatment system installation designed to remove at least 50% of the nitrates from sewage.

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,



Mark E. Rifkin, R.S.

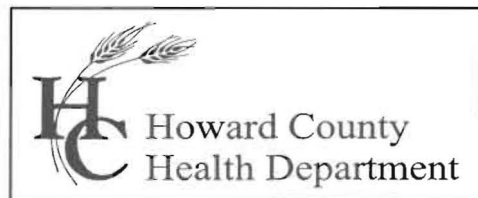
Well and Septic Program

MR

Enclosures

cc: Surveys, Inc.

File



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(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

September 9, 2004

Mr. Jay Prager
Program Manager
Groundwater Permits Division
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230

RE: Variance to COMAR 26.01.02.04.J1

Dear Mr. Prager:

We are in receipt of a letter from Akinyemi Bamisaiye dated August 10, 2004 (copy enclosed) requesting a variance to the setback of a 25% slope of 25'.

This is to recommend that a **variance be granted** by the Maryland Department of the Environment with respect to COMAR 26.04.02.04K.

The proposal has a signed percolation test plat which, when originally signed on 00/00/2004, showed a septic easement, proposed well location, and a proposed house site location that required an off-site easement to a piece of adjoining land that has 25% slopes above the proposed sewage disposal area (SDA) as well as below the SDA. After consultation with Barry Glotfelty, R.S., Regional Sanitarian, it was concluded that the installation of a curtain drain would prevent any adverse conditions from occurring on the lot as a result of the potential adverse surficial flow.

Please ~~and~~ contact Mr. Robert Weber, R.S. or Mr. John A. Boris, Jr., R.S. if you have any further questions at (410) 313-2640.

Respectfully,

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

cc: Barry Glotfelty
John Boris

DO NOT
DISCARD



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

January 24, 2001

Susan Dameron
Dameron and Graham Realtors, Inc.
1107 Spring Street
Silver Spring, MD 20910

RE: Buildable Status of Parcels
Tax Map 34, Parcels 114 and 216
Nichols Drive

Dear Mrs. Dameron:

In response to your request for confirmation of the approval status of the referenced parcels, percolation testing was conducted in December 1976 and April of 1979. The results from that testing do not appear to be suitable for a conventional trench septic system.

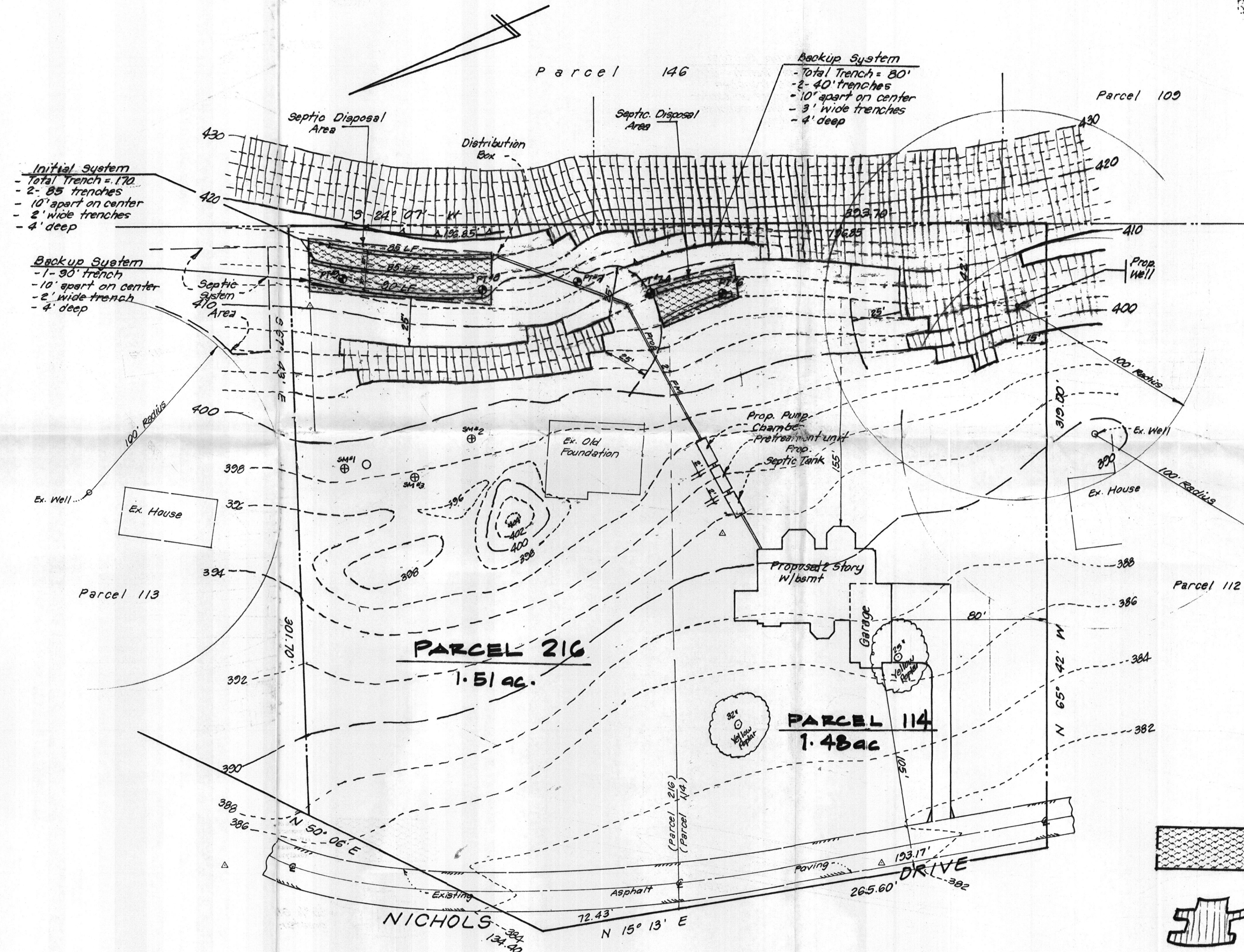
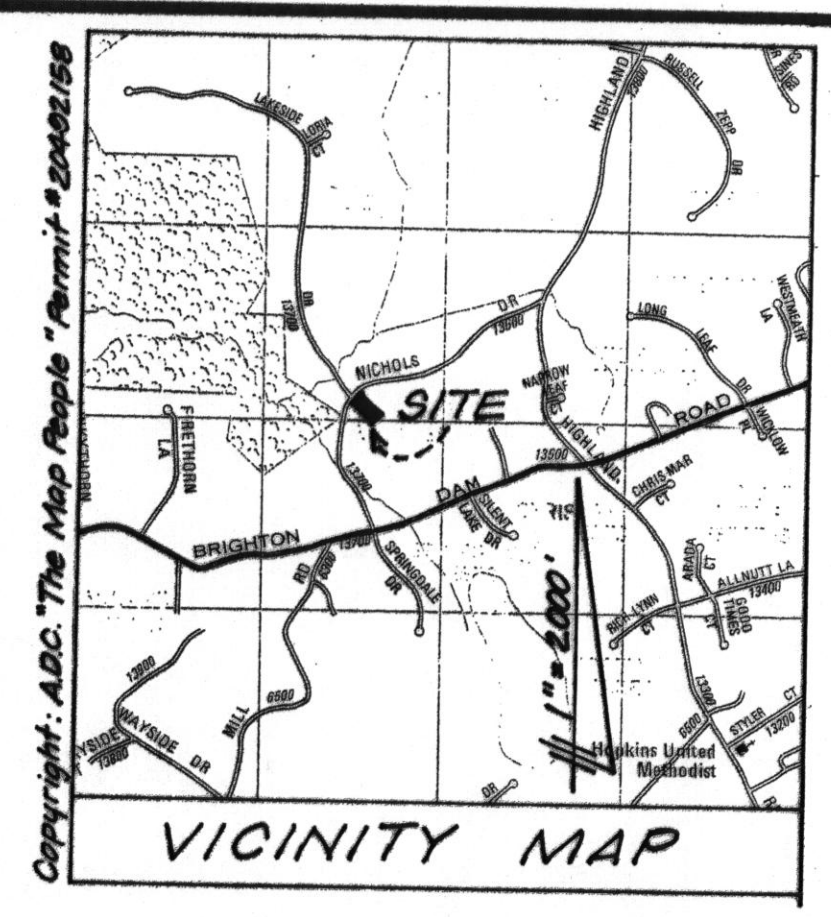
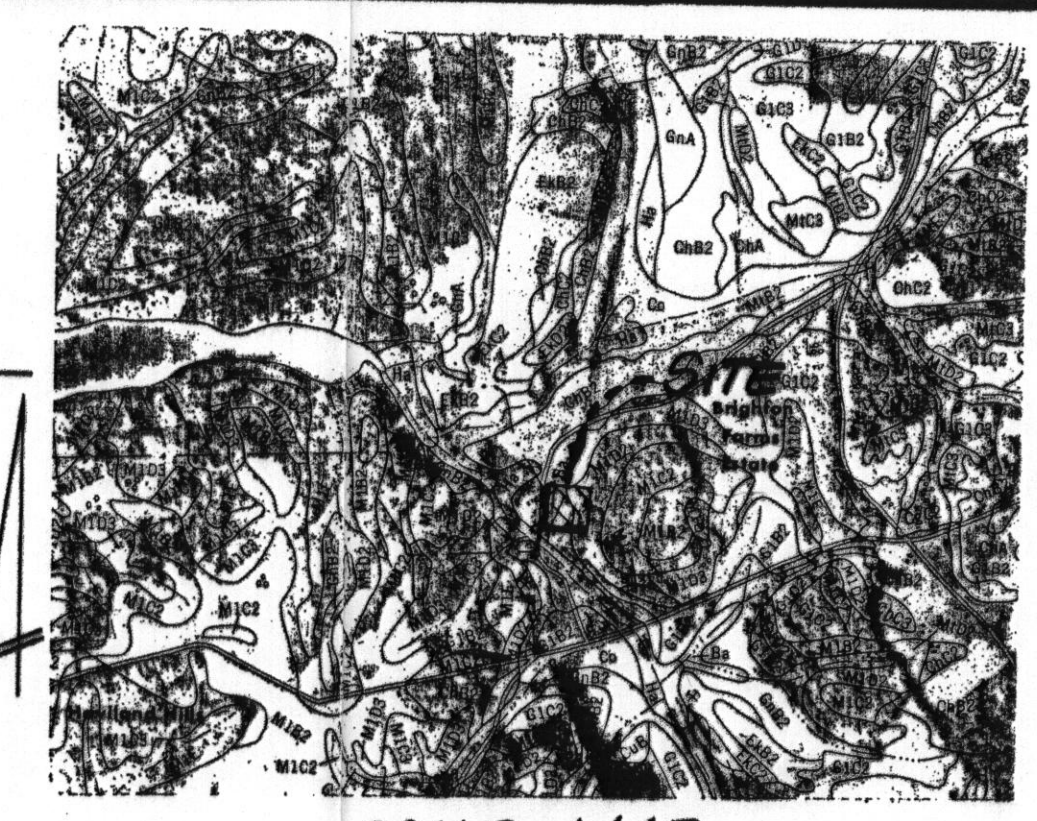
A deep clay layer throughout the soil profile to a depth of approximately 12 feet was observed along with a water table as shallow as 9 feet. Percolation test rates conducted at various depths throughout the soil profile were slower than 30 minutes per inch which effectively rules out a conventional trench septic system.

In addition, these parcels are less than 2 acres in size and within 2500 feet of a drinking water reservoir. A proposal to build a house on each of the existing parcels presents a conflict with COMAR 26.04.02.05K (Code of Maryland Regulations) which states that on-site sewage disposal systems cannot be installed on lots/parcels less than 2 acres in size that are within 2500 feet of a reservoir. Prior to consideration of a variance to this regulation, each lot must be approved for a non-conventional septic system. In addition, a condition of the variance, if granted, is that nitrogen pretreatment for each septic system must be installed. Given the test history and agency experience in the area, consideration should be given to a single dwelling occupying 2 parcels thus eliminating the requirements for a variance.

If you wish to proceed with a re-evaluation of these lots, it shall be necessary to submit an application for wet season percolation testing for a non-conventional septic system. If you wish to proceed, it is strongly encouraged, that you hire a professional engineer and/or an experienced consultant. Please advise potential buyers of these issues.

Respectfully,
Steven R. Krieg
Steven R. Krieg,
Registered Environmental Sanitarian
Well and Septic Program

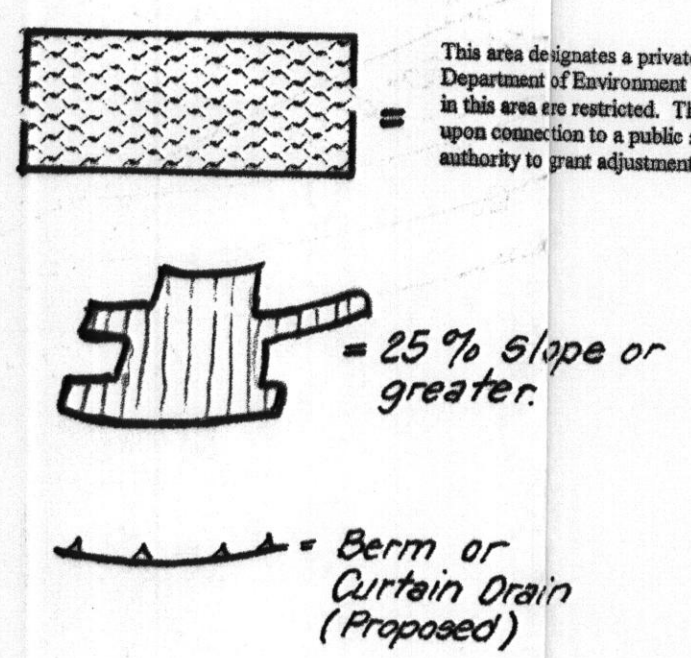
SRK
cc: File ✓



- GENERAL NOTES**
- Property Zoned: RRDEO
 - Property Area: 1.513 Acres (1.48 ac)
 - Deed Reference: Liber 5006 Folio 170
 - Property Owner(s): Akinyemi Bamisaiye
9202 Cedar Lane
Bethesda, Md. 20814
 - Applicant:
Bethel Construction
4815 Prince George's Avenue
Beltsville, Md. 20705
 - Field Shot topography by Surveys, Inc.
5-13-04, 6-23-04.
 - Perc test holes:
⊕ = Perc test conventional = (Pt. #1)

- SEPTIC SYSTEM NOTES:**
- All wells and septic systems within 100 feet of property boundaries are shown.
 - Depicted topography reflects field-verified information.
 - ~~Off-site sewage easement on Parcel 216 to serve Parcel 114 to be recorded in land records prior to well permit.~~
 - Install a berm and curtain drain located at the top of the steep slopes and at least 10 feet uphill of the highest proposed sewage trench.
 - Variance request to MDE to the 25' separation to steep slopes uphill required by regulation (COMAR 26.04.02.04.J1) must be issued prior to well permit approval.
 - Variance request to MDE to the 2-acre minimum lot size required by regulation (COMAR 26.04.02.04.K) must be issued prior to well permit approval. Pre-treatment system installation designed to remove at least 50% of the nitrates from sewage, must be installed with all septic systems.
 - Septic system designed for 4 bedrooms. No additional bedrooms will be permitted without additional septic capacity.
 - WELL APPLICATION TO BE SUBMITTED AFTER ADJOINER CONVEYANCE IS APPROVED THAT COMBINES PARCEL 216 & 114.

This area designates a private sewage DISPOSAL AREA as required by the Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This SEWAGE DISPOSAL AREA 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 DISPOSAL AREA.



SURVEYS, INC.
SURVEYORS • ENGINEERS • LAND PLANNERS
PERMIT SERVICES
350 MAIN STREET
LAUREL, MARYLAND, 20707
PHONE 301-716-0541 FAX 301-716-0641

| DATE | REVISION |
|---------|--|
| 6-1-04 | Add new prop. perc. hole locations. |
| 6-23-04 | The New perc Test holes & Detail type. |
| 7-21-04 | New Prop Trench system per new perc. |

PERCOLATION CERTIFICATION PLAN
PLOT PLAN FOR PERC TEST
Tax Map 32, Parcels 114 & 216
13695 Nichols Drive
BAMISAIYE PROPERTY
Clarksville (8th) Election District
Howard County, Maryland
(PC-520021)

| SCALE | DESIGNER | CHECKED BY |
|------------|--------------|-------------|
| 1" = 30' | g.b./n.s. | g.b. |
| DATE | DRAFTER | FIELD BOOK |
| 6-17-04 | L.C. | 033-48 |
| JOB NUMBER | SHEET NUMBER | FILE NUMBER |
| 03-147 | 1 of 1 | L-205 |

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

Howard County Health Officer: _____ Date: _____

