



Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 9/15/04 TEST TIME _____

AP 520852

AGENCY REVIEW: Percolation testing for existing lot
New house to be built.

DATE 8/31/2004

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 _____ 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) Niles Montor

DAYTIME PHONE 410-977-0864 CELL 410-977-0864 FAX 410-730-2157

MAILING ADDRESS 10544 Jason Ln or Ave? Columbia 21044
STREET CITY/TOWN STATE ZIP

APPLICANT Greg Philips

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Parcel 173 LOT NO. _____

PROPERTY ADDRESS TRIADELPHIA MILL RD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID _____ PARCEL(S) 173 PROPOSED LOT SIZE _____

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

MR ①
WK rd,
Str brn
L SAND
SBK 3'
(rootmat
to 5')
2 ppl
V. micac.
S-L SAND
2mm-15mm
30% cherty frags
7'
Brn
S. v f S
Rx 5%
saprolite 15%
Bottom 13'

②/③
str brn
micac LS
3pbk 6'
V, V f SAND
2-25 mm
cherty frags
15%
micac. 9'
Brn v f S
s.g.
saprolite
10-15%
Bottom 13

③
SEE
ABOVE
PROFILE



④a
Brn
Loam
sbk
4 1/2'
brn
micac
SL pockets
in LS
15%
cherty
frags
s.g.
18' Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
9-15-04	①	4'8" M	12:21	12:22	12:23	1 min	P
	②	4 1/2' M	12:31	12:33	12:35	2+	P
	③	4 1/2' M	12:42	12:44	12:46	2+	P
	④a	4 1/2' M	12:51	12:53	12:55	2+	P

Holes dug per plan

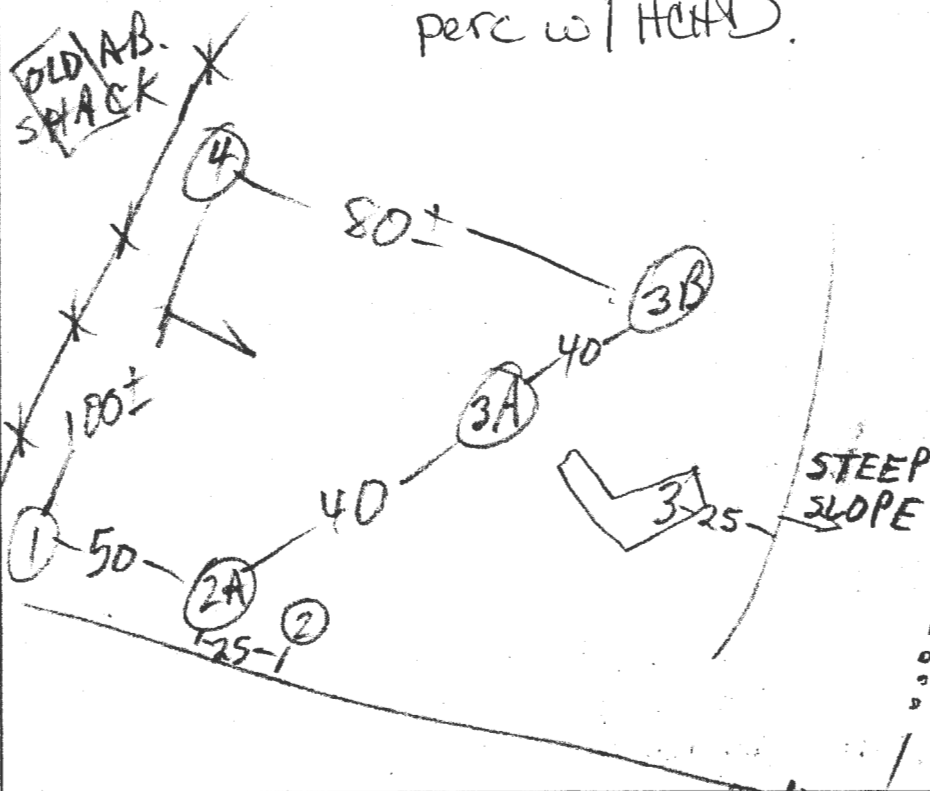
SEE PREVIOUS PRETEST SOIL

Profiles on 8-11-04 by MR

REMARKS post hole digger sized holes 6" = 3.32 min/hole
SANITARIAN KN BACKHOE Hatfield's OTHERS Nikes Monitor
TEST HOLES USED IN SDA _____ AVG. PERC TIME 3 SQ. FT/BR 180
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

AP

Pretesting holes
(Visuals), then
perc w/ HCHD.



TRIA MILL ROAD

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H.
8/11/04	3	7 1/2 - 9					F
	3A	11 1/2					P
	3B	12 3/4					P
	2	5	9:55:20	—	9:55:50	FAST	F
	2	10 3/4	9:56:30	—	9:57:30	FAST	F
	2A	6 1/2	10:17:20	10:17:50	10:19:00	1	P
	2A	11 3/4	10:21:20	10:23:20	10:25:20	2	P
	4	13					P
	1	13 1/2					P

REMARKS

SANITARIAN M. Rifkin BACKHOE _____ OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

2A
orge
brn
hvy lm

3-
3 1/2

brn
tan
mica sand
10-20%
Fraggs

10
11 1/2

25-30% R₂

1/4
brn orge
hvy lm

4-5

brn
sa lm
15%
Fraggs

13 1/2

3 tan
hvy sa lm

23

brn
gray mica
sand
15-50%
Rx

1
1 1/2

3A/3B POST

brn
hvy
sa lm

1
1 1/2

gray
brn mica
sand
10-15%
Rx

10 1/2
11 1/2

25% Rx

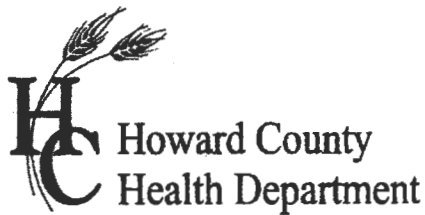
2

brn
hvy lm

4

brn tan
gray
mica
sand
25-30%
Rx

0 3 1/2



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AM 520852

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MAILING ADDRESS 10544 Jaso Ln CD 21044
STREET CITY/TOWN STATE ZIP

APPLICANT Gary Phillips

DAYTIME PHONE 410-977-0864 CELL 410-977-0864 FAX 410-730-2157

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Parcel 173 LOT NO. _____

PROPERTY ADDRESS Triadelphia Mill Rd
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID _____ PARCEL(S) 173 PROPOSED LOT SIZE _____

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TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
Fax (410) 848-1791

June 8, 2017

Howard County Health Department
8930 Stanford Blvd
Columbia, MD 21045

Attn: Mr. Hank Oswald
Environmental Sanitarian

RE: 13571 Triadelphia Mill Rd, Charles Dorsey Property
CLSI Job No.: 2005004

Dear Mr. Oswald,

We offer the following responses to your comment letter dated May 2, 2017:

1. The SDA has been revised to match the most recent percolation certification plan on record, per your sketch.
2. Due to the fact that this is an existing lot of record, we are showing one existing well and one alternative well site. We have relocated the alternative well site so that it is not down-gradient of the septic system.
3. The pump curve chart has been revised to reflect the 70 gpm capacity, which is within the pump's design ratings. However, our design indicates a 30 gpm dosage in order to ensure system reliability.

Should you have any questions or concerns, please feel free to contact our office.

Sincerely,

A handwritten signature in cursive script that reads "Linda Alexander".

Linda Alexander
Associate/ Project Manager

Cc: 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 22, 2004

Niles Morton
P.O. Box 197
Clarksville, MD 21029

RE: **Percolation Test Results: A520852**
Tax Map: 34 Parcel: 173

Dear Mr. Morton:

Percolation testing was conducted September 15, 2004, on the above referenced property. Copies of the percolation test results are 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, identifying holes dug by Private Consultant and the other holes by Howard County Health Department
- a proposed building site and well site for the proposed structure
- locations of all surrounding wells and septic systems down slope or closer than 100' from the property
- locations of any existing structures on the property
- locations of **streams**/swales/springs and any other features on or near the property (west side)
- field matched contour lines at 2-foot intervals
- shade slopes of 25% or greater

If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-1771. Thank you in advance for your time and cooperation.

Sincerely,

Kacie Noonan, R.S.
Well and Septic Program

KN
Enclosures
Cc: file

MARK E. RIFKIN, R.S.
INDEPENDENT SEPTIC AND WELL CONSULTANT

P.O. Box 21166, Baltimore, MD 21228 410-227-6161

SepticConsulting@aol.com

August 12, 2004

Niles Morton
P.O. Box 197
Clarksville, MD 21029

RE: Preliminary Percolation Test Results
Triadelphia Mill Road, TM 28, Parcel 173

Dear Mr. Morton:

Preliminary percolation testing conducted August 11, 2004 on the referenced property indicated limited satisfactory soil conditions. The primary limiting factors are shallow bedrock and excessive fractured rock producing fast test times at the downhill test locations. Copies of the test results will follow via standard mail.

In order to avoid these rock issues, an additional test hole was excavated 25-30 feet uphill of each of original locations 2 and 3, producing a potential septic reserve area of 6000 ft² +/- . Although this area is less than the 10,000 ft² now requested by the Health Department and other potential test locations are available to the rear, testing in these locations would severely impact the optimum house and well locations. Both the house and well locations would be shifted to the front, producing grading and site restrictions for the proposed house and placing the well closer and indirectly downslope of an approved septic reserve area on the adjacent residue of parcel 64.

The current layout produces the best combination of house site, well site and septic reserve area.

Submission of a proposal to the Health Department for official testing should include a site plan showing the following:

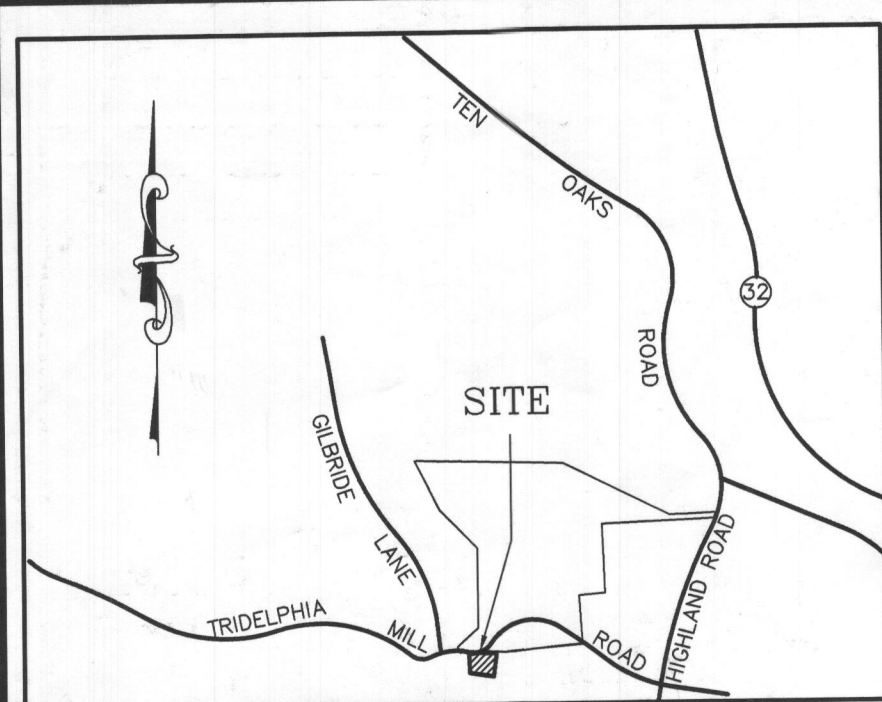
- 1) actual locations of all excavated test holes, suitably identified as preliminary, and identified as passed or failed
- 2) proposed sewage reserve area based on the passed preliminary holes
- 3) proposed official test holes five to ten feet from each of the passed preliminary holes
- 4) soils map information and shading of slopes in excess of 25%
- 5) proposed house and well sites
- 6) the approved septic reserve on the adjacent residue of parcel 64
- 7) statement that all adjacent wells and septic systems have been shown.

The site plan should also be accompanied by a copy of this letter and the forthcoming test results. If you have any questions, please contact me according to the above information.

Sincerely,

Mark E. Rifkin, R.S.

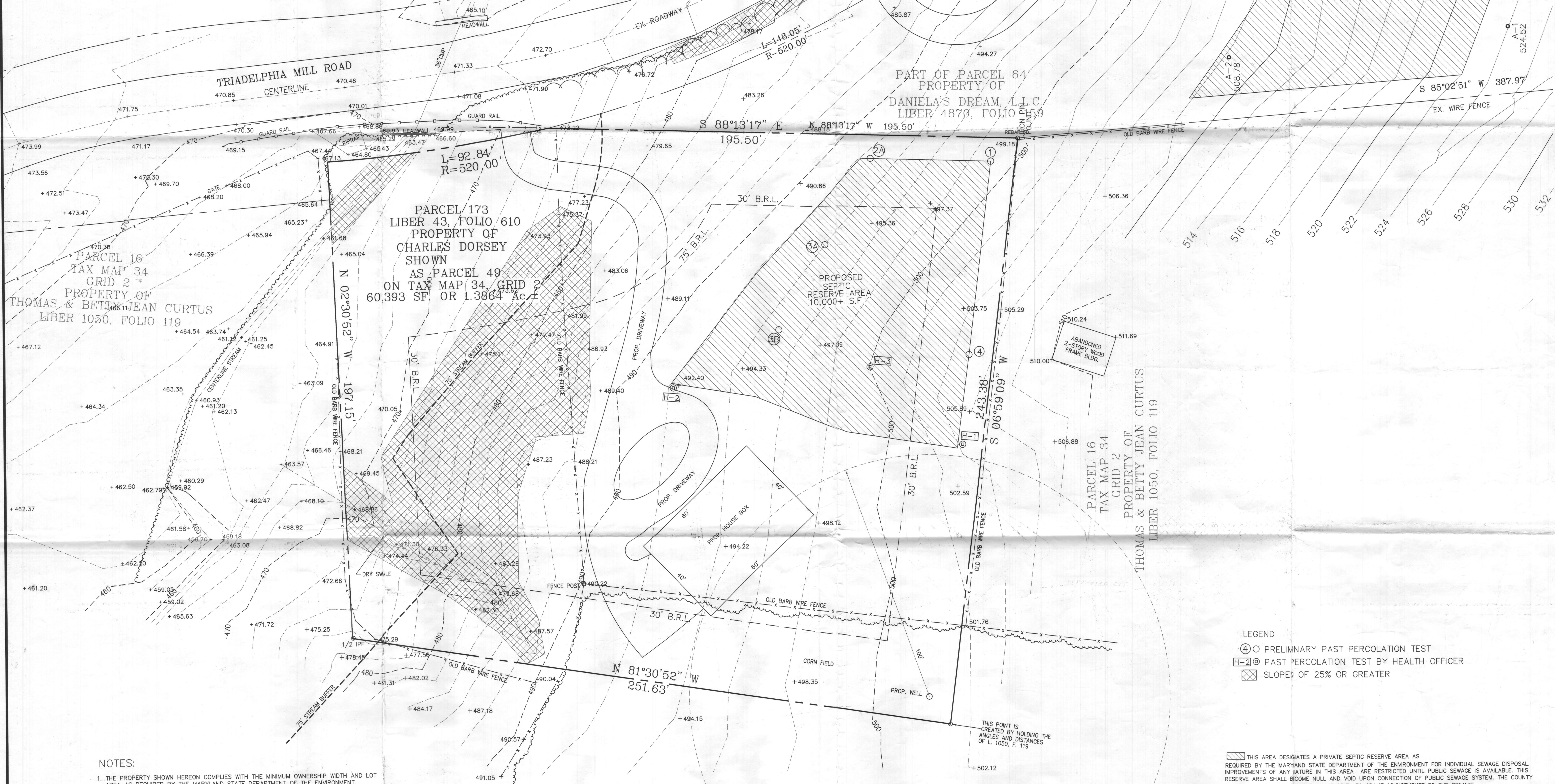
cc: Greg Phillips



VICINITY MAP
SCALE 1" = 2000'

NAD 83

LOT 1
THALER ESTATES
PLAT No 14436



NOTES:

1. THE PROPERTY SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
2. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF PROPERTY BOUNDARY HAVE BEEN SHOWN.
3. PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED.
4. TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY.
5. THIS SURVEY HORIZONTALLY AND VERTICALLY IS TIED TO HOWARD COUNTY CONTROL MONUMENTS, (NAD 83 HORIZONTAL AND NGVD 29 VERTICAL DATUM)
6. A MAXIMUM OF FIVE (5) BEDROOM HOUSE IS TO BE BUILT ON THIS PROPERTY.

PARCEL 16
TAX MAP 34
GRID 2
PROPERTY OF
THOMAS & BETTY JEAN CURTIS
LIBER 1050, FOLIO 119

LEGEND

- ④ PRELIMINARY PAST PERCOLATION TEST
- H-2 PAST PERCOLATION TEST BY HEALTH OFFICER
- ▨ SLOPES OF 25% OR GREATER

THIS AREA DESIGNATES A PRIVATE SEPTIC RESERVE AREA 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. THIS RESERVE AREA SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE RESERVE AREA. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

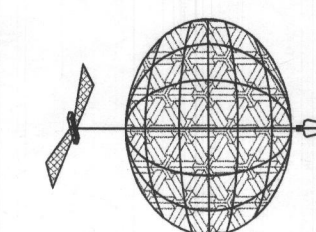
APPROVED FOR PRIVATE WATER AND PRIVATE
SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

[Signature]
COUNTY HEALTH OFFICER KN

10/4/09
DATE

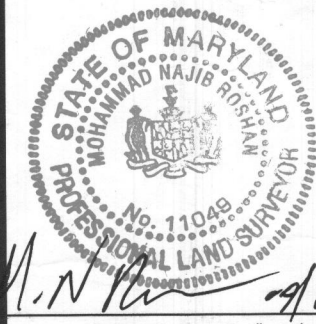
PREPARED BY:

NJR & ASSOCIATES
LAND SURVEYING AND PLANNING
1813 MONTEVIDEO ROAD
JESSUP, MARYLAND 20794
TEL: (240) 508-3200
FAX: (410) 799-5523



PERCOLATION CERTIFICATION PLAN
PARCEL 173, TAX MAP 28, GRID 20
PROPERTY OF
CHARLES DORSEY
LIBER 43, FOLIO 610
HOWARD COUNTY, MARYLAND

REVISIONS



GRAPHIC SCALE 1" = 20'

DATE: JULY 24, 2004

JOB NUMBER: 2452

FILE NUMBER: 2452SEPTIC

PLOTTED: SEP. 18, 2004

DRAWN BY: NR

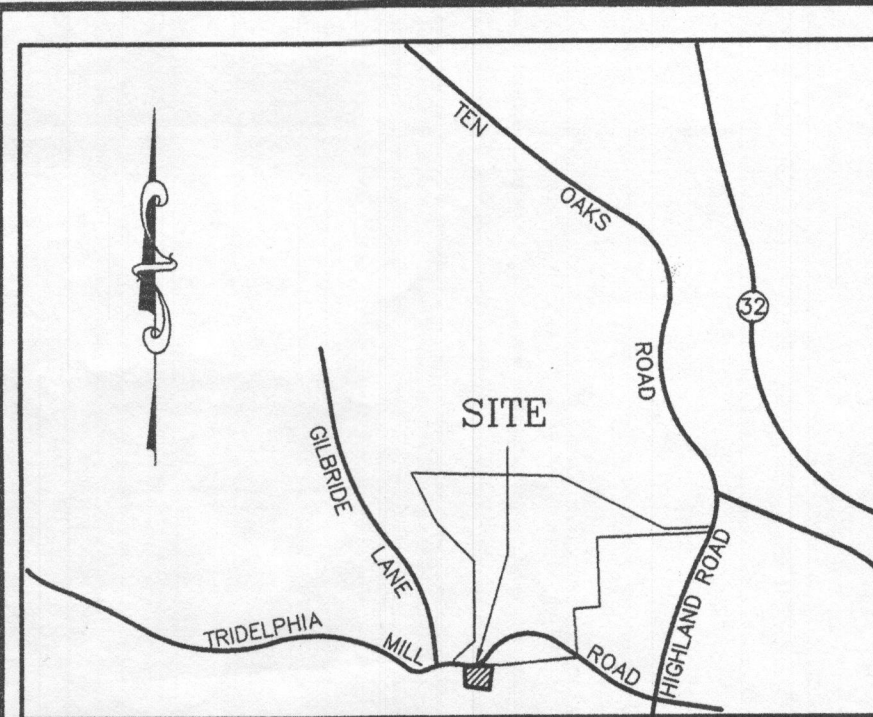
PERCOLATION CERTIFICATION

PLAT

PLAN ID No. PC

SHEET

1 OF 1



VICINITY MAP
SCALE 1" = 2000'

LOT 1
THALER ESTATES
PLAT No 14436

NAD 83



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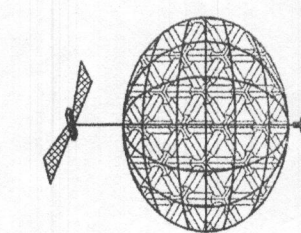
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APPROVED FOR PRIVATE WATER AND PRIVATE
SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

[Signature]
COUNTY HEALTH OFFICER KN

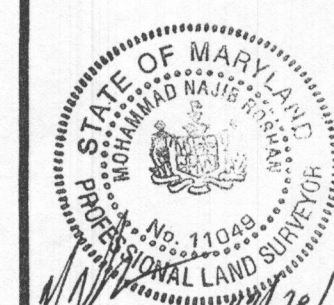
10/4/07
DATE

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PLAN
PLAN ID No. PC
SHEET 1 OF 1

