



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 523/26

AGENCY REVIEW: _____

DATE 8/12/05

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) Niel & Linda Phelps

DAYTIME PHONE 443-367-0422 CELL _____

FAX _____

MAILING ADDRESS 13760 Triadelphia Mill Rd

STREET

CITY/TOWN

STATE

ZIP

APPLICANT D. Renner

DAYTIME PHONE 443-367-0422 CELL _____

FAX 443-367-0420

MAILING ADDRESS 5300 Dorsey Mill Drive Ellicott City

STREET

CITY/TOWN

STATE

ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Phelps Site

LOT NO. LOT 3

PROPERTY ADDRESS 13760 Triadelphia Mill Rd Clarksville 21029

STREET

TOWN/POST OFFICE

TAX MAP PAGE(S) 28 GRID 19 PARCEL(S) 300 L. 7 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
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-
303
"surface"
stone
2' deep
brn L/SL
w str yellow SL

lt brn
LS
2 pl

7'
v. fr saprolite
greyish
grey blue
org brn
@ 10' moist
Bottom

301A

wk brn
L

2 1/2'
fine SL
LS

@ 7'
chert pocket
on SW wall
moist socls
@ 8'
mottles
@ 10'

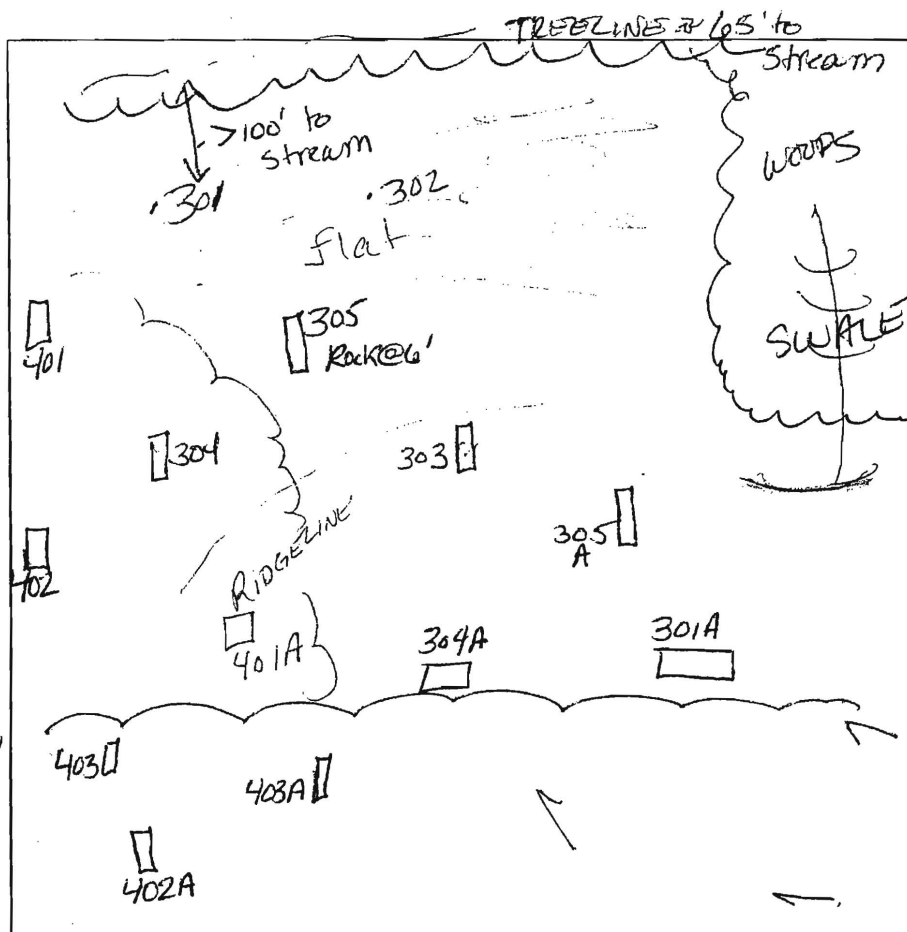
304A

brn
sbk, roots
hvy L

4'
lt brn
v.f. SL

Rock on
uphill
side
(S, SW side)
from 9-11'

Bottom



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
9/6/05	303	Marginal	Mottles @	7' ?			H
	301A	3'	12:19	12:21	12:25	4	P
	305A	9' 5 gallons	12:28-12:40	12 min/gal			P
	305	Excessive Rock @ 6', refusal @ 8'					F
	304A	11' 1/2' STAY 15' from top of perc hole, however doing so is no benefit due to surr. failed holes.					MP

REMARKS Holes 301, 302 NOT DUG

SANITARIAN Kacee BACKHOE Johnson OTHERS R Webster

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

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

MP-303
 "surface" stone
 2' deep
 brn L/SL
 w str yellow SL

Lt brn
 LS
 2 pl

7'
 v. fr saprolite
 greyish
 grey blue
 org brn
 @ 10' moist
 Bottom

301A
 wk brn
 L

2 1/2'
 fine SL/
 LS

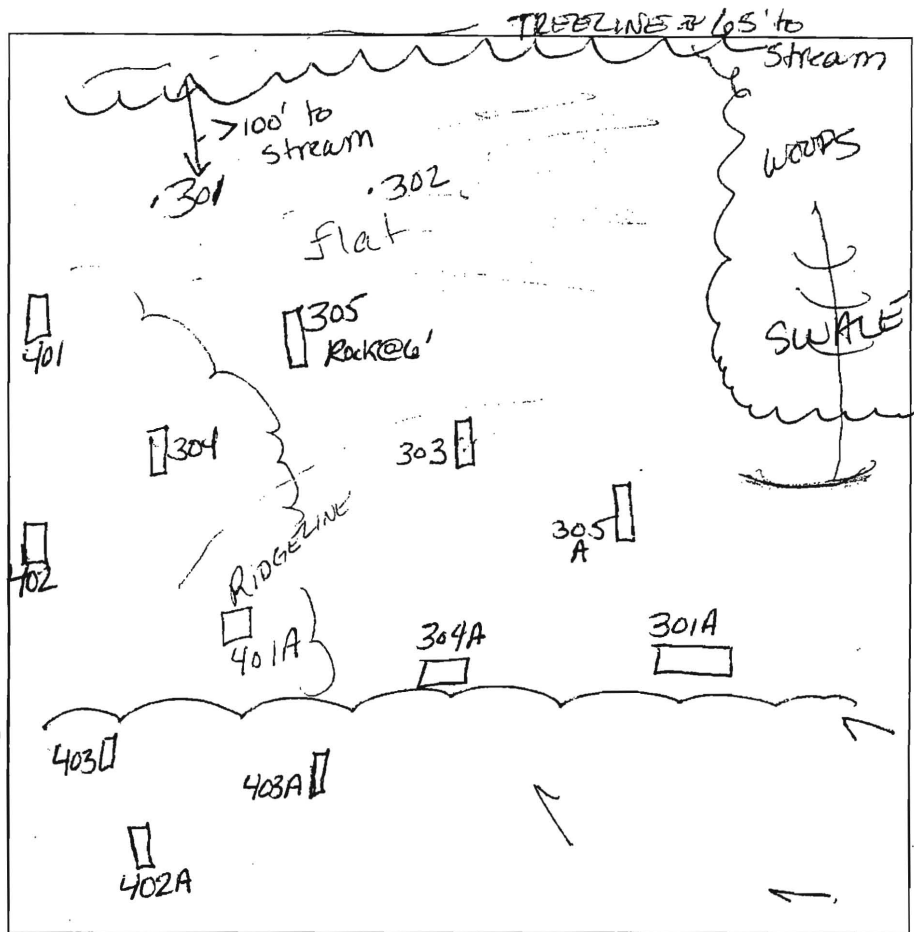
@ 7'
 chert pocket
 on S wall
 moist soils
 @ 8'
 mottles
 @ 10'

304A
 brn
 sbk, roots
 hvyl

4'
 lt brn
 v.f. SL

Rock on
 uphill
 side
 (S, SW side)
 from 9-11'

Bottom 12'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
9/6/05	303	Marginal	Mottles @		7' ?		H
	301A	3'	12:19	12:21	12:25	4	P
	305A	9' 5 gallons	12:28-12:40	12 min	in 5 gal	± 2 1/2 gal	P
	305	Excessive Rock @ 6', refusal @ 8'					F
	304A	STAY 15' from top of perc hole, however doing so is no benefit due to surr. failed holes.					MP

REMARKS Holes 301, 302 NOT DUG
 SANITARIAN Race BACKHOE Johnson OTHERS R Webster
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

AP 523126

(501) / (500)

Strbrn
ndy silt
Dense

4' N, NE
ABRUPT chert
wkd chert
brn Packet
Loam 25%
1pl, loose

@ 10' STONE
FRAGS
8" x 6" x 5"
100%

BOTTOM 13'

(502)

ybrn
ndy L
brn SL 2'

brn
LS 3 1/2'
to 4'

MASSIVE
S.G.
Saprolite
2-100%

@ 11'
White
SAND, LS
BOTTOM 12'

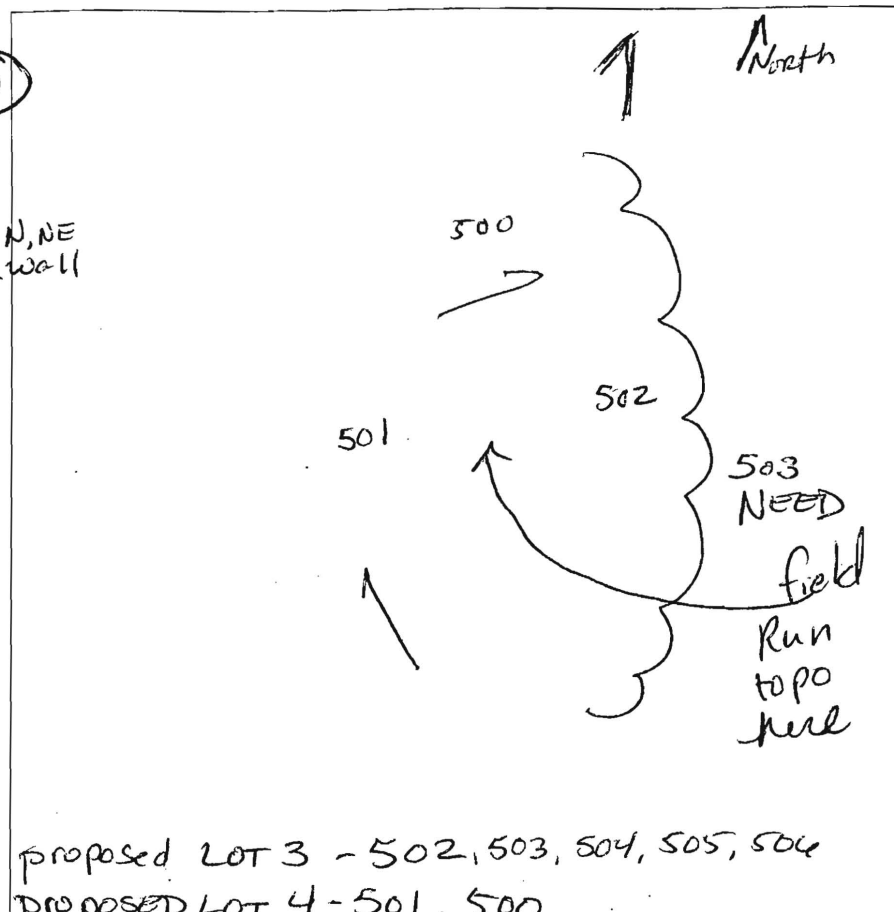
(503)

Bm L 3'
white, black,
brn layers
decomp
Rx 4 1/2'

brn ltbrn
LS-S'
Stony frags
25-100%

White
SAND

BOTTOM 12 1/2'



proposed LOT 3 - 502, 503, 504, 505, 506
proposed LOT 4 - 501, 500

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-18-06	501	4 1/2'	9:51 ⁵⁰	9:53	9:56	3+	P
	500	SEE	501 profile, but use Rx				
		4'	10:06	10:07 ⁺	10:10 ⁺	3+	P
	502	3'	10:15	10:17	10:20	3	P
	503	4'	10:40	10:42	10:44	2+	P

REMARKS Holes dug @ Stakes
 SANITARIAN Kacie BACKHOE Johnson OTHERS Rob w/Land Dev.
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

506
SEE
NEXT
SHEET



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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)
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PROPERTY OWNER(S) NEAL & LINDA PHELPS

DAYTIME PHONE 410 443-367-0422

CELL

FAX

MAILING ADDRESS 13760 TRIADELPHIA MILL ROAD CLARKSVILLE, MD 21029

STREET

CITY/TOWN

STATE

ZIP

APPLICANT DONALD R. REOWER - LAND DESIGN & DEV. LLC

DAYTIME PHONE 443-367-0422

CELL

FAX

443-367-0420

MAILING ADDRESS 5300 JORSEY MILL DR. ELLICOTT CITY, MD 21042 #102

STREET

CITY/TOWN

STATE

ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME PHELPS SITE

PROPOSED 3 LOT/LOT NO.

PROPERTY ADDRESS 13760 TRIADELPHIA MILL RD CLARKSVILLE, MD 21029

STREET

TOWN/POST OFFICE

TAX MAP PAGE(S) 28 GRID 19 PARCEL(S) 300 L. 7 PROPOSED LOT SIZE 3 AC ±

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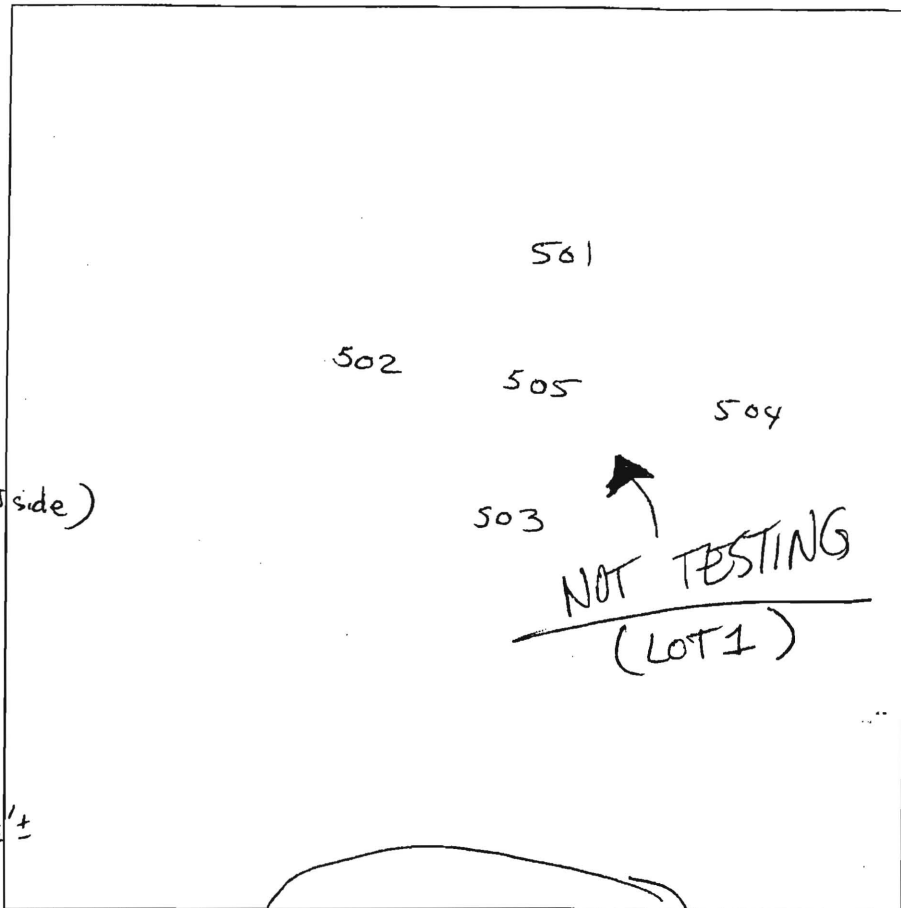
A/P 304A

born
SbK w/roots
hwy L
4'
H born
v.f.
SL
Rock on
uphill side
9-11' (S side, SW side)
Bottom
12'

403A

Shborn
CL
2"
Wky born
SicL
4-4 1/2'
H born
v. fine
SL
2pl
thin (2mm)
micac
Chert
fragile
15%
H. Bottom
10'

402A



LOT 3 NOTES

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
9/6/05	304A	MOVE DOWN HILL ANOTHER 15' Rock pocket on uphill side					MP
	403A	5 1/2'	1:14	1:17	1:20	3+	P
	402A	5'	1:10	1:14	1:18	8 1/4"	P

REMARKS Holes Not Per PLAN
 SANITARIAN Kacie BACKHOE Johnson OTHERS R. Webster
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

9 1/2'

A/P

506org brn
Lbrn
SLbrn
Loam
(B) horizonLS/SL
Saprolite
210%

Bottom

505Brn L/SL
w.s.gBrn
SL
2plchert
frags

15%

Bottom

504Str brn
hvy Lwhite
Sand/
LScompact
rd brn

v. micaceous

LS/SL 5' wide

lpl 6' x 1' NW

chert wall

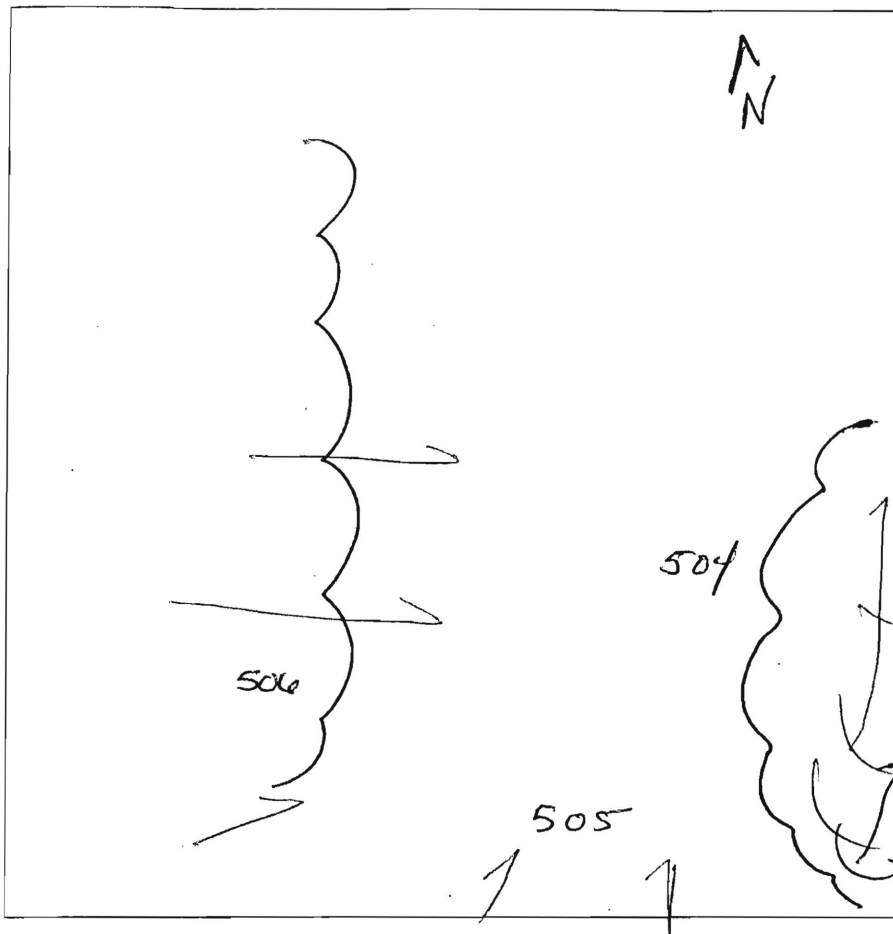
3pl

compact
rd brn

Loam

micaceous

Bottom



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5-18-06	506	3½'	10:54	10:58	11:04	6	P
	505	4'	11:09	11:12	11:18	6	P
	504	3'	11:22	11:31	11:42	11	P
Not IN SDA							

REMARKS

Holes dug @ stake except 10' from 506 to the South

SANITARIAN

Kacie

BACKHOE

Johnson

OTHERS

Rob w/ Land Dev.

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW

----- EXISTING 2' CONTOURS
 _____ EXISTING 10' CONTOURS
 ~~~~~~ EXISTING TREE LINE  
 GLB2 SOIL LINES AND TYPES  
 HLC2  
 (W) DENOTES EXISTING WELL  
 FO DENOTES FAILED PERC  
 (P) DENOTES PASSED PERC  
 [X] DENOTES PROPOSED HOUSE  
 [Hatched] DENOTES 25% AND GREATER SLOPE  
 [Dotted] EXISTING 1500 Sq.Ft. ALTERNATE WELL SITE  
 [Dotted] EXISTING PERC FIELDS  
 W APPROXIMATE WELL LOCATION

| SOILS LEGEND |                                                               |       |
|--------------|---------------------------------------------------------------|-------|
| SOIL         | NAME                                                          | CLASS |
| GIB2         | Glenelg loam, 3 to 8 percent slopes, moderately eroded        | B     |
| GIC3         | Glenelg loam, 8 to 15 percent slopes, severely eroded         | B     |
| * GNB2       | Glenville silt loam, 3 to 8 percent slopes, moderately eroded | C     |
| MI1E         | Manor loam, 25 to 45 percent slopes                           | B     |
| MI1B2        | Manor loam, 3 to 8 percent slopes, moderately eroded          | B     |
| MI1C2        | Manor loam, 8 to 15 percent slopes, moderately eroded         | B     |
| MI1C3        | Manor loam, 8 to 15 percent slopes, severely eroded           | B     |
| MI1D3        | Manor loam, 15 to 25 percent slopes, severely eroded          | B     |

NOTES:

- \* Hydric soils and/or contains hydric inclusions
- \*\* May contain hydric inclusions
- † Generally only within 100-year floodplain areas

[illegible]

VICINITY MAP  
SCALE : 1" = 1200'

GENERAL NOTES:

1. ☒ THE AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECONSTRUCTION OF MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL. INTERPOLATED FOR 2' CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER COLLINS & CARTER, INC.
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE INTERFERE OF A FIELD SURVEY.
8. SDA FOR EXISTING HOUSE ON LOT 2 WAS RELOCATED AND APPROVED VIA PER TESTING ON 5-26-1996 BY APPROVING AUTHORITY.
9. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PER CERTIFICATE.

PERC CERTIFICATION

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

Signature of Professional Land Surveyor  
Mark L. Robel, Property Line Surveyor No.

7/27/09  
Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

B. A. Baker for Peter B. Bileman  
COUNTY HEALTH OFFICER

8/13/2008  
DATE

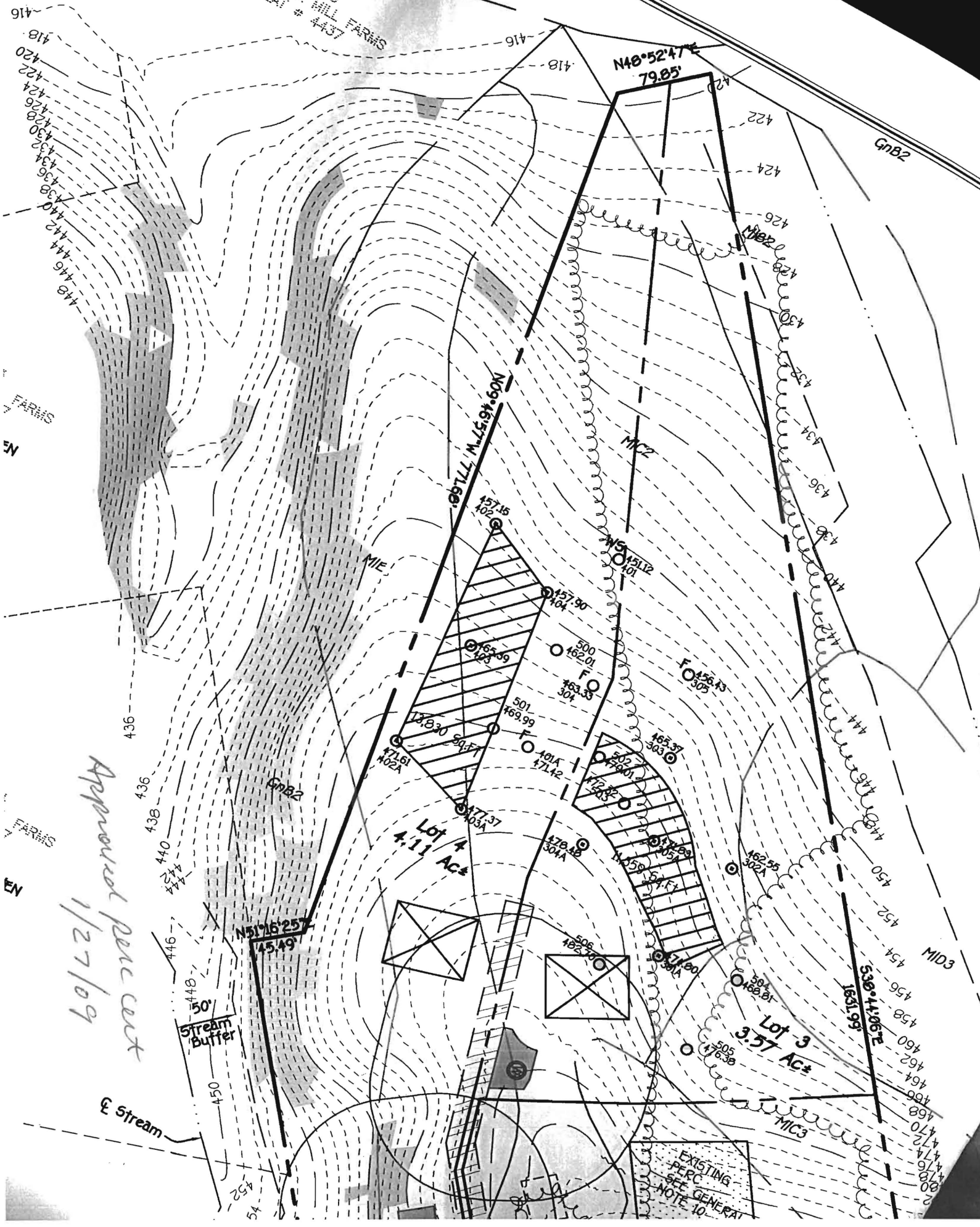
AMENDED PERC CERTIFICATION PLAT  
PHELPS PROPERTY  
LOT 3

TAX MAP •28  
3RD ELECTION DISTRICT  
SCALE: 1"= 100'

PARCEL: 300  
HOWARD COUNTY, MARYLAND  
DATE: July 27, 2009



LOT 23  
ADELPHIA MILL FARMS  
PLAN # 4437



Approved per cert  
1/27/09

50'  
Stream  
Buffer

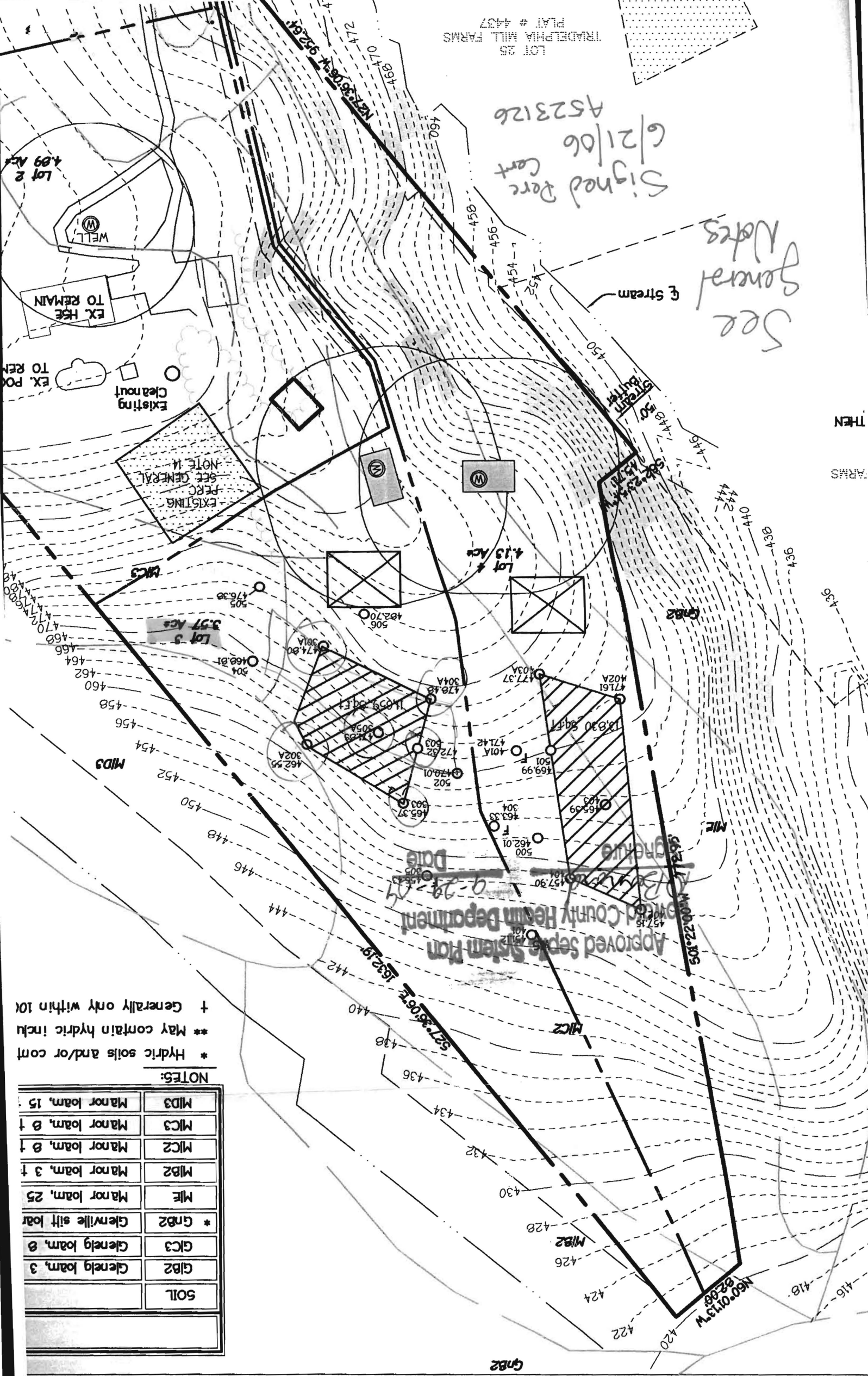
EXISTING  
PERC  
SEE GENERAL  
NOTE 10

LOT 25  
TRIADPHIA MILL FARMS  
PLAN # 4437

Signed Perc  
6/21/06  
4523126

See  
General  
Notes

THEN  
ARMS




Approved Septic System Plan  
Berkshire County Health Department  
9-29-04  
Date

\* Hydric soils and/or com  
\*\* May contain hydric inclu  
† Generally only within 10'

NOTE6:

|      |         |                 |
|------|---------|-----------------|
| SOIL | GI B2   | Glenn loam, 3   |
|      | GI C3   | Glenn loam, 8   |
|      | * GI B2 | Glenn silt loam |
|      | MI E    | Manor loam, 25  |
|      | MI B2   | Manor loam, 3   |
|      | MI C2   | Manor loam, 8   |
|      | MI C3   | Manor loam, 8   |
|      | MI D3   | Manor loam, 15  |

GENERAL NOTES:

1.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
7. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
8. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
9. PLAT REFERENCE 5073 "SABINE PROPERTY".
10. FUTURE BUILDING PERMIT FOR LOT 3 TO SUPPORT 4 BEDROOM HOUSE WILL REQUIRE ADDITIONAL PERCOLATION TESTING.
- ~~11. MAINTAIN TWO HIGHEST SEPTIC SYSTEMS PER CONVENTIONAL TRENCH SYSTEMS. THIRD SEPTIC SYSTEM WILL REQUIRE PRETREATMENT.~~
- ~~12. NO ADJUSTMENTS ALLOWED TO SEPTIC AREA WITHOUT FUTURE TESTING.~~
13. LOT 3 SEPTIC SYSTEM MUST BE INSTALLED PRIOR TO BUILDING PERMIT APPROVAL.
14. SDA FOR EXISTING HOUSE ON LOT 2 WAS RELOCATED AND APPROVED VIA PER TESTING ON 5-26-1986 BY APPROVING AUTHORITY.

Issue resolved.  
Pretreatment not  
required.

M. Davis

