



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

AP 520 893  
DATE 4/21/08

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

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) Mrs. Elaine Louise Dunst % Herman Dunst

DAYTIME PHONE (410) 634-2400 CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 601 Sunrise Avenue Ridgely MD 21660  
STREET CITY/TOWN STATE ZIP

APPLICANT FSH Associates LLC % Zach Fisch

DAYTIME PHONE (410) 567-5200 CELL \_\_\_\_\_ FAX (410) 796-1562

MAILING ADDRESS 6339 HOWARD LANE ELKRIDGE MD 21075  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Dunst property LOT NO. 4

PROPERTY ADDRESS 3380 Jennings chapel road woodbine MD 21797  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 20 GRID 9 PARCEL(S) 10 PROPOSED LOT SIZE 1 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. Zacharia Y. Fisch  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P \_\_\_\_\_

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H

REMARKS \_\_\_\_\_

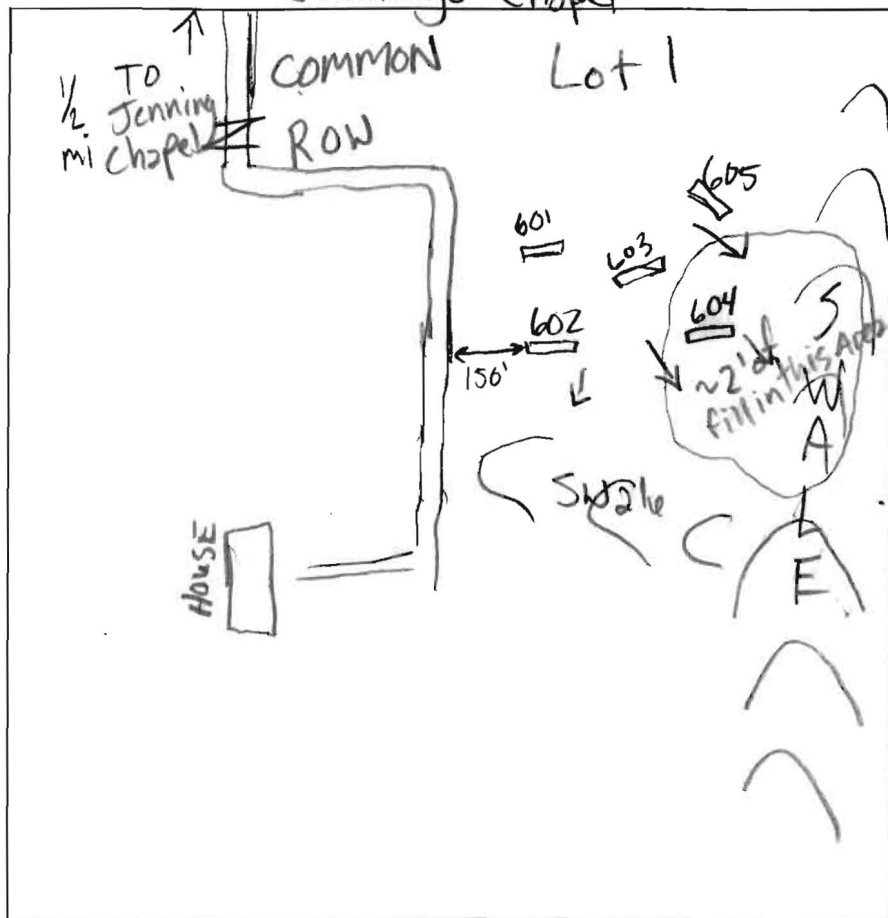
SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

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

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

524384

# Jennings Chapel



602  
0 Br Clm  
1 Orange  
Red  
Yellow  
Silm  
7 Same  
but  
w/ 30%  
Very weak  
Saprolite  
11 15% Platy  
12 Rock

604  
0 Black  
3' Fill  
3' Orange Clm  
4.5' Org Red  
6' Silm  
Org Red  
Yellow  
Silm  
10' Rx 30%  
flaggy  
Org Red  
Yellow Silm  
30% VWS2pr  
10% cherty  
14 MICZ Schist  
BOTTOM

603  
3 Orange Silm  
5 Orange Red  
Silm Platy  
Struck  
Orange Red  
Silm  
micz 30%  
Veins VWS2pr.  
9 Red Orgny  
Silm  
30%  
VWS2pr.  
5%  
cherty  
13 Rx

601  
2' Orange  
Brown  
Clm  
Red Orgny  
Silm  
Pockets  
of flaggy  
Rx  
~15%  
13'

605  
0 Orange Brown  
2' Clm  
Red Orgny  
4' Silm  
Red Orgny  
Silm  
Veins  
of micz  
<15%  
cherty  
Rx  
13

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/28/06	602	2.5/12	9:10	9:13	9:17	4m	P
	604	4/14'	9:19	9:22	9:27	5m	P
	603	4/13	9:38	9:40 <sup>33</sup>	9:43	2.5m	P
	601	4.5/13	9:48 <sup>30</sup>	9:52	9:56	4m	P
	605	5/13	9:57 <sup>30</sup>	10:03	10:10	7m	P

REMARKS \_\_\_\_\_  
 SANITARIAN GAC BACKHOE KEK OTHERS N/A  
 TEST HOLES USED IN SDA 601, 602, 603, 604, 605 AVG. PERC TIME < 7m SQ. FT/BR 180  
 TRENCH WIDTH 3 INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_

paid \$1012.00



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_ AP 524384

AGENCY REVIEW: \_\_\_\_\_ DATE 3/30/06

04-335023

DO NOT WRITE ABOVE THIS LINE

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- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Mr. Joseph W. & Mrs. Elaine Louise Dunst

DAYTIME PHONE (410) 442-5683 CELL N/A FAX N/A

MAILING ADDRESS 3380 Jennings Chapel Road Woodbine Maryland 21797-7512  
STREET CITY/TOWN STATE ZIP

APPLICANT FSH Associates

DAYTIME PHONE (410) 750-2251 CELL \_\_\_\_\_ FAX (410) 750-7350

MAILING ADDRESS 8318 Forrest Street Ellicott City Maryland 21043  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME 3380 Jennings Chapel Road LOT NO. 1

PROPERTY ADDRESS 3380 Jennings Chapel Road Woodbine  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 20 GRID 9 PARCEL(S) 10 PROPOSED LOT SIZE 1 Acre

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. Heidi Kopee  
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

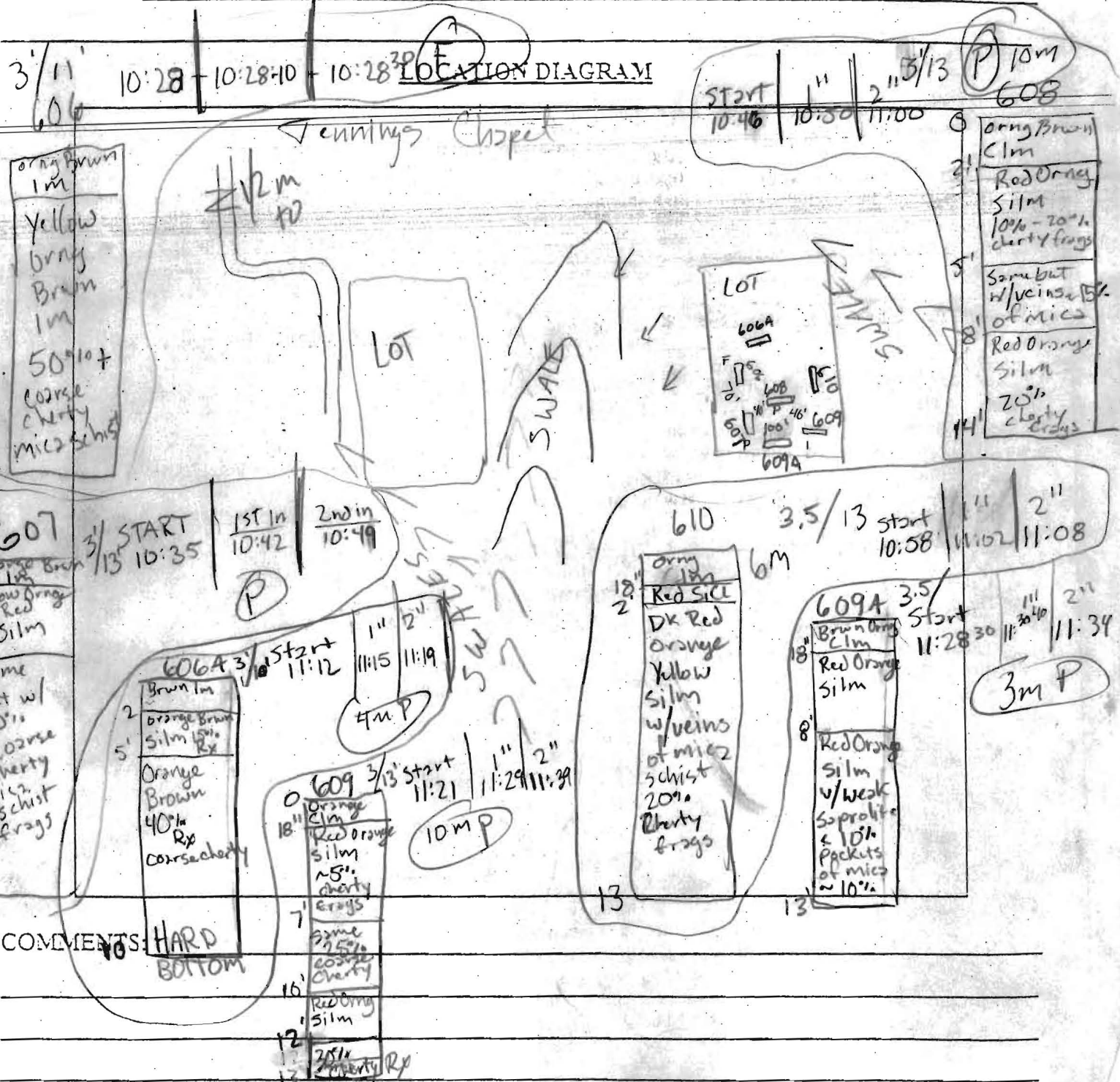
SITE INSPECTION SHEET

OWNER: \_\_\_\_\_ PHONE #: \_\_\_\_\_

ADDRESS: 3380 Jennings Chapel Rd CONTRACTOR: \_\_\_\_\_

SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_

PROPOSAL: \_\_\_\_\_



DATE: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH  
 WATER AND SEWERAGE PROGRAM  
 TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

**NOTE:** The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_

(Must circle one) Licensed Plumber      Licensed Well Driller      Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): \_\_\_\_\_ License# \_\_\_\_\_

**\*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.**

Name of Property Owner: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
 Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO - \_\_\_\_\_  
 Site Address: \_\_\_\_\_

Submersible Pump Data

Make: \_\_\_\_\_  
 Model #: \_\_\_\_\_  
 Pump Capacity \_\_\_\_\_ GPM  
 Well Yield: \_\_\_\_\_ GPM

Pitless Adapter

Make: \_\_\_\_\_  
 Model#: \_\_\_\_\_  
 Depth: \_\_\_\_\_ (36" min)  
 NSF/WSC approved: \_\_\_\_\_

Well Cap and Electric Conduit

Two piece watertight cap: \_\_\_\_\_  
 Screened, vented well cap: \_\_\_\_\_  
 Cap secured to casing: \_\_\_\_\_  
 Conduit min 18" B.G.: \_\_\_\_\_  
 Conduit secured to well cap: \_\_\_\_\_

Depth of well encountered at time of pump installation: \_\_\_\_\_ (feet)  
 If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
 Torque arrestors, Cable guards, or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing \_\_\_\_\_

Piping to house

Type: \_\_\_\_\_  
 PSI: \_\_\_\_\_ (160 psi min)  
 Depth of supply line: \_\_\_\_\_ (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: \_\_\_\_\_  
 Approximate length of sleeve: \_\_\_\_\_  
 Sleeve caulked and sealed properly: \_\_\_\_\_

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

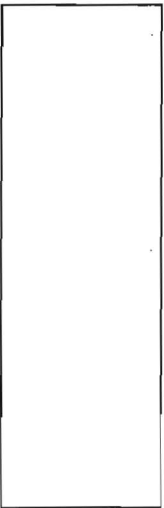
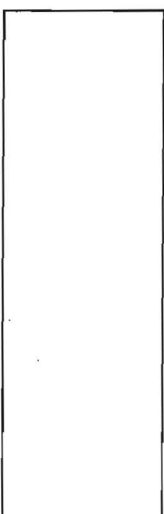
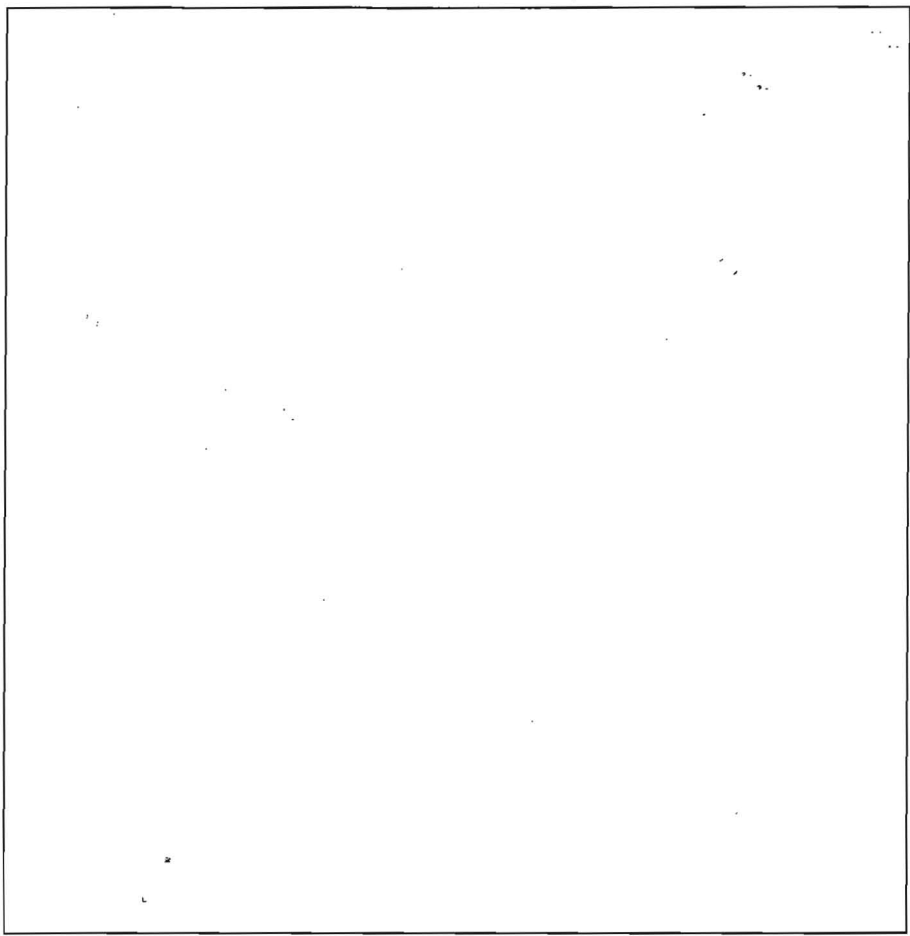
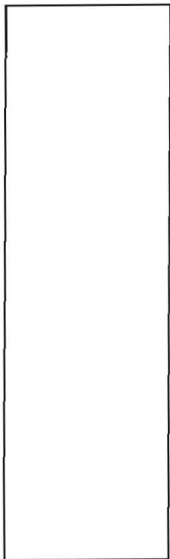
Signature of company representative responsible for installation \_\_\_\_\_ date \_\_\_\_\_

**For Health Department Use Only – Not to be completed by Installer**

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: \_\_\_\_\_ Inspector: \_\_\_\_\_  
 Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade \_\_\_\_\_  
 Two piece cap installed and attached to casing securely \_\_\_\_\_  
 Elec. conduit extends at least 18" below grade/attached to cap properly \_\_\_\_\_  
 Safety rope not seen outside of well cap/casing \_\_\_\_\_  
 Correct well tag attached properly and casing 8" above finished grade \_\_\_\_\_  
 Water supply line sleeved adequately at house connection \_\_\_\_\_  
 Adequate grout observed below pitless adapter \_\_\_\_\_

lot 3

A/P \_\_\_\_\_



628

dark brn  
se sbk

brn red, brn  
heavy se sg  
micasaceous

brn, pale red  
fine/med. se

sg  
micasaceous  
saprolite

brn red  
med se sg

refusal

3  
5-40%  
channey

629

dark brn l

brn red  
fine se sg  
micasaceous

brn red  
brn yellow  
fine/med se sg  
saprolite  
micasaceous

10%  
channey

2 1/2'  
with  
0%  
channey

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
5/22/08	628	3' 8" / 9'	12:18	12:20	12:22	2	P	
	629	4' 11"		12:32	12:34	2	P	
5/22/08	#5	reopened original test hole from 8/79 to check water table due to location in field. wet season '08 = 4' Subter.						OK
		25-35% channey	after 3 hrs, H <sub>2</sub> O level @ 9'	consistent w/ original data.				

REMARKS  
 SANITARIAN SS profile BACKHOE K+K OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

\* East ends of # 628 + 629 had 45% channey.  
 # 628 EA @ 3' bottom @ 5'  
 # 629 EA @ 3' bottom @ 5'

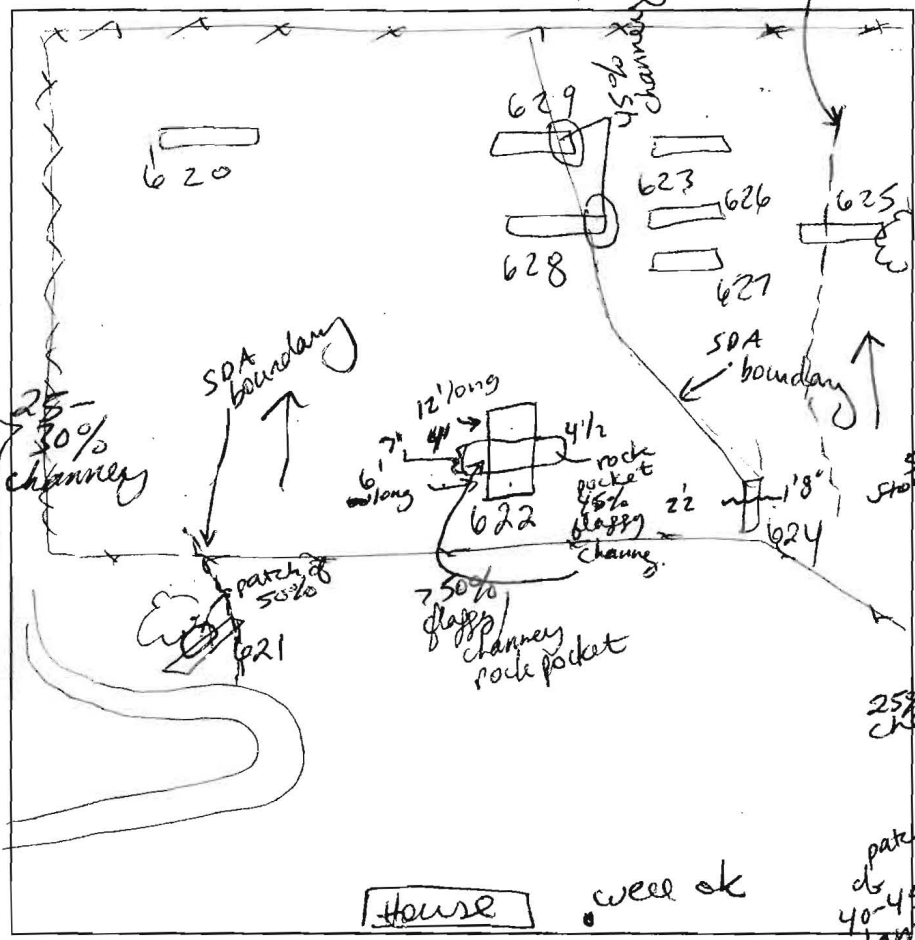
lot 4

TO Jennings Chapel Rd

electron line

N

AP



625  
dark brn l sbk  
brn red  
fine se heavy micaceous  
45% channel  
brn, pale brn, pale red  
fine/med se sg micaceous saprolite  
3 1/2  
7' 50% small patch flappy

621  
brn l sbk  
brn red wk sil heavy sil micaceous  
4'  
brn, brn red pale red brn yellow sil sg micaceous saprolite  
7 1/2" channel 50% channel flappy

623/626/627  
50% flappy  
brn med se micaceous

622  
brn l sbk  
brn red heavy sil micaceous  
2'  
brn/brn yellow sil saprolite micaceous  
4'  
pale red brn red brn yellow sil micaceous saprolite  
11'

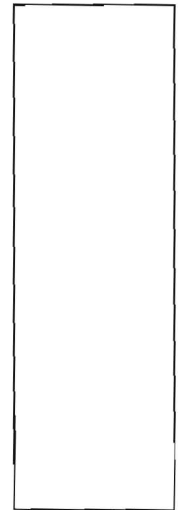
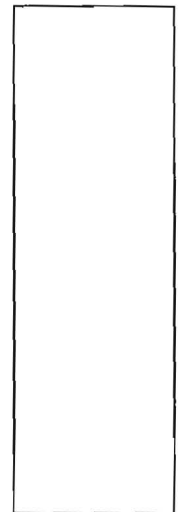
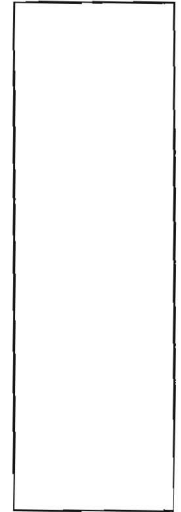
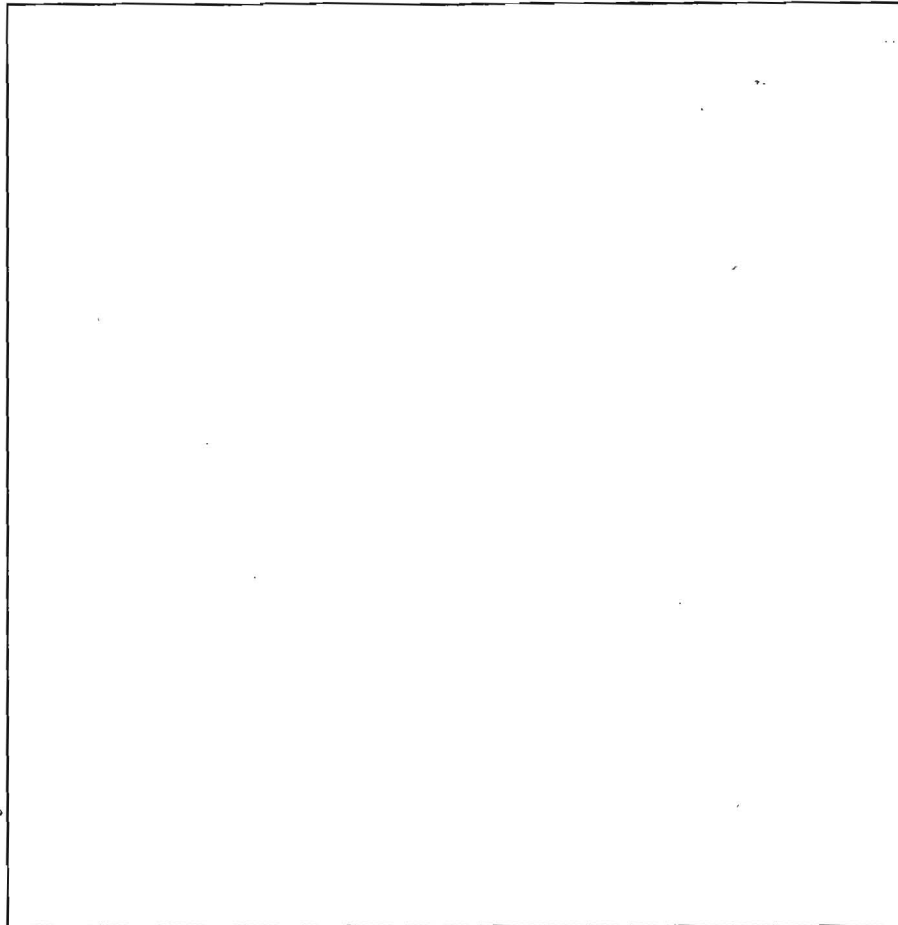
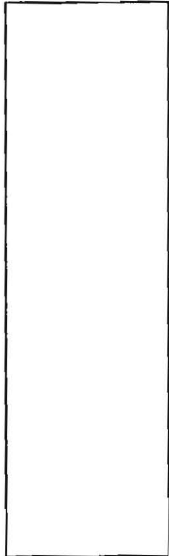
624  
dark brn l sbk  
brn heavy fine  
pale red pale brn brn yellow fine se sg micaceous saprolite  
25% chert  
18"  
40-45% channel  
fine/med se sg  
25% channel  
refusal

620  
dark brn l sbk  
brn, brn red fine/med se heavy sil micaceous  
35% channel  
3'  
pale red brn fine/med se sg micaceous saprolite  
5% flappy toward south

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	PIF/H
5/22/08	621	5 1/2 / 12	9:59	10:03	restart due to falling coil	9	P
	622	4' / 11'	10:36	10:46	10:57	10	P
	623	~ 8'		75% atony			F
	624	4' / 11'	10:56	11:00	11:05	5	P
	620	4' 5" / 14'	11:18	11:20	11:25	5	P
	625	4' 5" / 10' 8"	11:41 / 11:45	11:42 / 11:46	11:43 / 11:47		
			11:51	11:51	11:55	4	P
	626/627			75% atony			F

REMARKS #624 EAP 3' #621 + 622 EA @ 4' #625 EA @ 4 1/2'  
 SANITARIAN SS BACKHOE K+K OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

8'



628

dark brn  
sl sbk  
brn red, brn  
heavy sl sg  
micaceous  
3  
brn, pale red  
fine/med. sl  
sg  
micaceous  
saprolite  
35-40%  
channery  
↓  
brn red  
med sl sg  
refusal

629

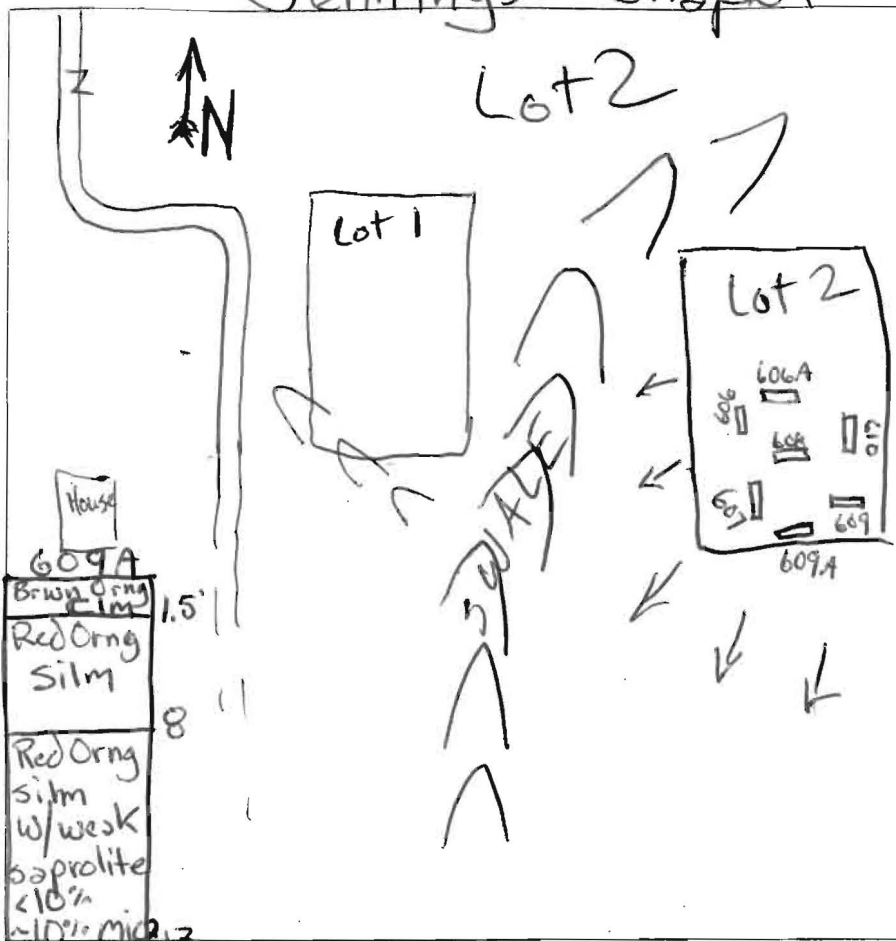
2 1/2'  
dark brn l  
brn red  
fine sl sg  
micaceous  
3'  
brn red  
brn yellow  
fine/med sl sg  
saprolite  
micaceous  
5'  
10%  
channery

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/22/08	628	3' 8" / 9'	12:18	12:20	12:22	2	P
	629	4' / 11'		12:32	12:34	2	P
5/22/08	#5	reopened original test		hole from 8/79 to check water		table due to location in field.	
		wet season '08 = 4' better.		after 3 hrs, H <sub>2</sub> O level @ 9'		profile	
		consistent w/ original data.		w/ (1) maters @ bottom		(brn red brn yellow)	

REMARKS \_\_\_\_\_  
 SANITARIAN SS profile BACKHOE K+K OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_  
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\* East ends of # 628 + 629 had 45% channery.  
 # 628 EA @ 3' bottom @ 5' # 629 EA @ 3' bottom @ 5'

# Jennings Chapel



609  
 Orange Clm 1.5'  
 Red Orange silm ~5% cherty frags 7'  
 Same but ~25% coarse cherty frags 10'  
 Red Orange silm 12'  
 30% cherty Rx 13'

610  
 Orng Lm 1.5'  
 Red silc 2'  
 DK Red Orng Yellow silm w/veins of mica schist 20% cherty frags 13'

608  
 Orng Brwn Clm 2'  
 Red orange silm 10-20% cherty frags 5'  
 Same but intruding veins of mica 8'  
 Red Orange silm 20% cherty frags 14'

DATE	TEST #	DEPTH	START	BREAK 1' DROP	STOP 2' DROP	TIME OF 2ND INCH	P/F/H
4/28/06							
	606	3'/11'	10:28	10:28 <sup>10</sup>	10:28 <sup>30</sup>	20s	(F)
	607	3'/13'	10:35	10:42	10:49	7m	(P)
	Hole Marginal 606A	3'/10'	11:12	11:15	11:19	4m	(P)
	609	3'/13'	11:21	11:29	11:39	10m	(P)
	610	3.5'/13'	10:58	11:02	11:08	6m	(P)
	608	3'/13'	10:46	10:50	11:00	10m	(P)
	609A	3.5'/13'	11:28 <sup>30</sup>	11:30 <sup>40</sup>	11:34 <sup>00</sup>	3m <sup>20</sup>	(P)

REMARKS Want to shift SDA Back on Lot if possible  
 SANITARIAN GAC BACKHOE KEK OTHERS N/A

TEST HOLES USED IN SDA 607, 609, 610, 608, 609A AVG. PERC TIME 7.3m SQ. FT/BR 210

TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 6max EFFECTIVE SW 2.5min

0 524384  
 0 606  
 2 Orng Brwn Loom  
 Yellow Orange / Brwn Lm  
 50% + coarse cherty mica schist Rx  
 10  
 0 607  
 1 Orng Brwn Clm  
 Yellow Orng DK Red silm  
 5 Yellow Orange DK Red silm ~30% coarse cherty mica schist frags Rx  
 13  
 0 606A  
 2 Brwn Lm  
 Orange silm Brwn 15% Rx  
 5 Orange Brwn silm 40% coarse cherty Rx  
 10 HARD BOTTOM



# APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 4/28/06 TEST TIME 8:30 AP 524384  
AGENCY REVIEW: GAC DATE 4/11

04-335023

DO NOT WRITE ABOVE THIS LINE

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

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  - REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
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  - BUILD ON AN EXISTING LOT IN A SUBDIVISION
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- 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) Mr. Joseph W. & Mrs. Elaine Louise Dunst

DAYTIME PHONE (410) 442-5683 CELL N/A FAX N/A

MAILING ADDRESS 3380 Jennings Chapel Road Woodbine Maryland 21797-7512  
STREET CITY/TOWN STATE ZIP

APPLICANT FSH Associates

DAYTIME PHONE (410) 750-2251 CELL \_\_\_\_\_ FAX (410) 750-7350

MAILING ADDRESS 8318 Forrest Street Ellicott City Maryland 21043  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME 3380 Jennings Chapel Road LOT NO. 2

PROPERTY ADDRESS 3380 Jennings Chapel Road Woodbine  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 20 GRID 9 PARCEL(S) 10 PROPOSED LOT SIZE 1 Acre

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. Wendy Kopee  
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



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

---

Peter L. Beilenson, M.D., M.P.H., Health Officer

May 29, 2008

Elaine Louise Dunst  
c/o Herman Dunst  
601 Sunrise Avenue  
Ridgely, Maryland 21660

RE: Percolation Test Results – A528893  
3380 Jennings Chapel Rd

Dear Mrs. Dunst,

Percolation testing conducted May 22, 2008 on the referenced property indicated satisfactory and unsatisfactory soil conditions. Copies of the test results are enclosed. The limiting factor was shallow rock with percentages over 50% in test holes #623, #626, and #627.

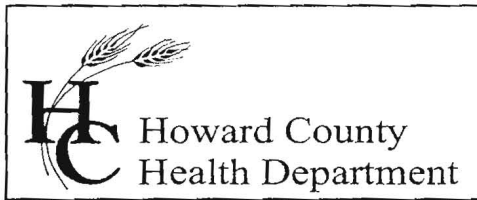
Further review of the property is contingent upon submission of a Percolation Certification Plan. Enclosed are the requirements for the plan. The percolation test notes indicate boundary limitations for the sewage disposal area.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Sappington, R.S.  
Well and Septic Program  
Development Coordination Section

Enclosures



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

5/3/2006

Mr. Joseph W. and Elaine Louise Dunst  
3380 Jennings Chapel Rd.  
Woodbine MD, 21797

RE: PERCOLATION TEST RESULTS-A524384  
Tax Map 20, Grid 9, Parcel 10  
Proposed Lots 1 and 2 Dunst Property  
3380 Jennings Chapel Rd.

Dear Mr. and Mrs. Dunst:

Percolation testing conducted April 28, 2006 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed. See also enclosed comments pertinent to this proposal.

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

- 1) Actual locations and elevations of all excavated test holes
- 2) A suitable house and well site for each lot
- 3) Two replacement well sites or approximately 1500 square feet of approvable well area for each lot
- 4) All existing wells and septic reserve areas on the property and within 100 feet of the property
- 5) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 6) Locations of any other relevant features such as streams, swales, 25% or greater slopes, or existing structures
- 7) A note indicating that depicted topography reflects field-matched information
- 8) A health officer signature block stating "approved for private water and private sewerage systems"
- 9) A MDE sewage disposal area statement is required

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) 313-1771.

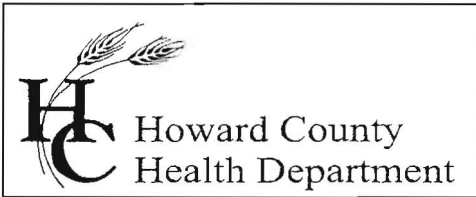
Respectfully,

Gabriel A. Creighton, Sanitarian  
Bureau of Environmental Health  
Well and Septic Program

GAC

Enclosures

cc: FSH Associates  
File



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

5/3/2006

Mr. Joseph W. and Elaine Louise Dunst  
3380 Jennings Chapel Rd.  
Woodbine MD, 21797

RE: PERCOLATION TEST RESULTS-  
A524384  
Tax Map 20, Grid 9, Parcel 10  
Proposed Lots 1 and 2 Dunst Property  
3380 Jennings Chapel Rd.

Dear Mr. and Mrs. Dunst:

These comments are recommendations applicable to percolation test results for proposed Lot 2 of the above referenced property being subdivided.

- Avoid failed test hole #606 (25' setback) with proposed Septic Easement for Lot 2
- My recommendation for the Septic Easement configuration for Lot 2 is to push the easement as close to lot lines as possible (10' setback) at the rear (south side) of the lot to allow the needed 10,000 square feet
- Try to incorporate hole 609A (at the rear of the lot) rather than hole 606A (at the front of the SDA where restrictive layers were encountered) into the Septic Easement to allow deeper trench depths
- Well Box Location for Lot 2 is unacceptable, move or adjust to a location completely outside of the drainage swale
- Prior to approval of Septic Disposal Easement for Lot 1 a general note may be required acknowledging that fill (unnatural soils) added in the vicinity of test hole #604 must be removed (to natural grade) prior to installation of any septic system and no further fill shall be added to the easement.

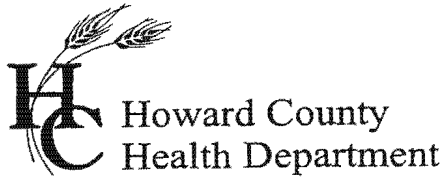
I hope these comments/recommendations are helpful in preparing your Percolation Certification Plan. Thank you for your attention to these matters.

Respectfully,

Gabriel A. Creighton  
Sanitarian  
Bureau of Environmental Health  
Well and Septic Program

GAC

FILE



7178 Columbia Gateway Drive, Columbia, MD 21046  
(410) 313-6300 Fax (410) 313-6303  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

July 24, 2006

Mr. Zach Fisch  
FSH Associates  
6339 Howard Lane  
Elkridge, MD 21075  
FAX (410) 796-1562

RE: Percolation Certification  
Dunst Property Lots 1 & 2  
3380 Jennings Chapel Rd.  
Map 20 Grid 9 Parcel 10

Dear Mr. Fisch:

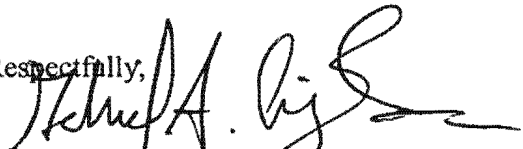
These comments are applicable to the above referenced property.

- Additional percolation testing shall be required for approval of the Percolation Certification plan to show that repair area is available for the existing house(s) if a recorded 10,000 square foot sewage disposal area is not already in existence.
- A percolation application and the associated \$506.00 fee has not been received for the existing house(s).
- All wells and septic systems for the existing structure(s) on the property should be shown on the plan.
- Approval shall also be dependent upon an evaluation of the existing on-site systems for appropriate function and application of current codes.
- Well radii for both lots are not showing the full 100' from the well box at all points.

I hope these comments are helpful in preparing your plan. Thank you for your attention to these matters.

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

  
Gabriel A. Creighton, R.S.  
Bureau of Environmental Health  
Well and Septic Program

GAC  
cc: Well & Septic program file

**SOILS LEGEND**

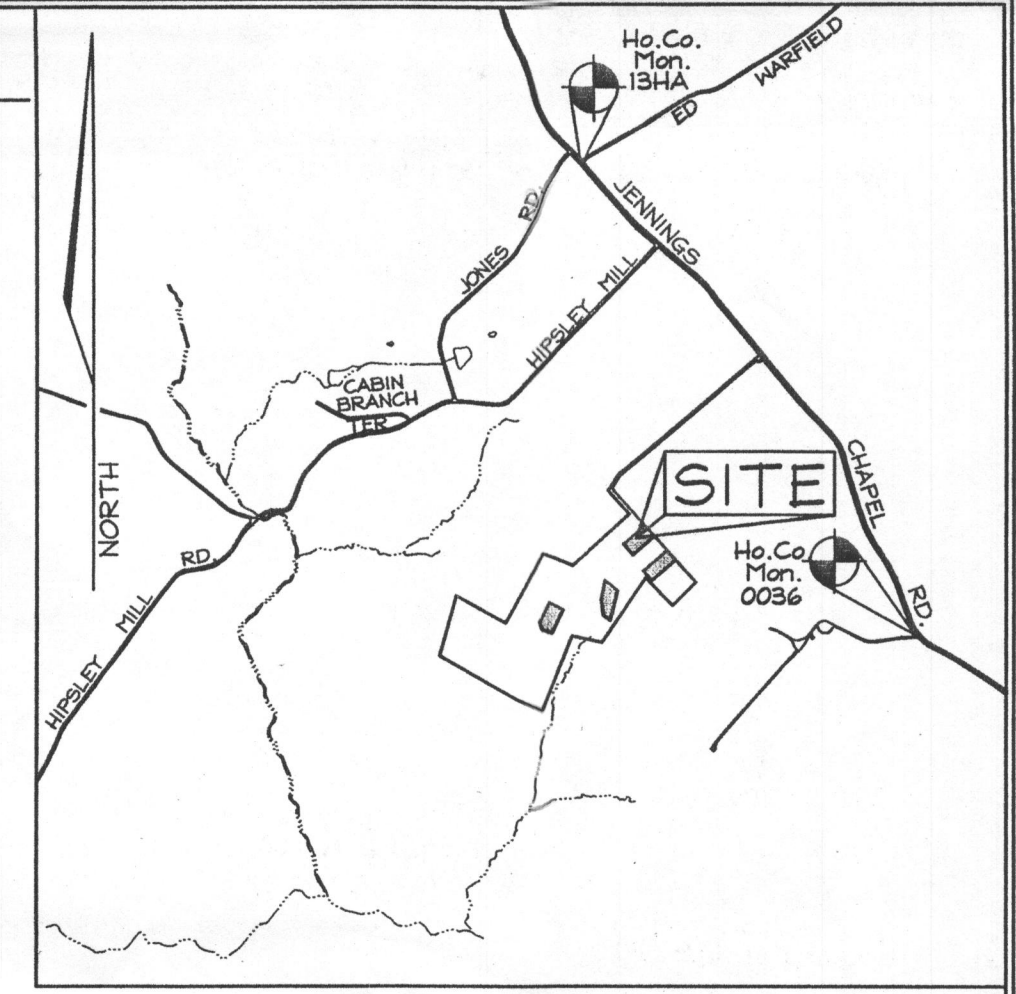
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
ChA	Chester silt loam, 0 to 3 percent slopes	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
Cs	Cornus silt loam	B
CaB	Cornus silt loam, local alluvium, 3 to 8 percent slopes	B
GlB2	Glenn loam, 3 to 8 percent slopes, moderately eroded	B
GlC2	Glenn loam, 8 to 15 percent slopes, moderately eroded	B
GlC3	Glenn loam, 8 to 15 percent slopes, severely eroded	B
GlD2	Glenn loam, 15 to 25 percent slopes, moderately eroded	B
GlD3	Glenn loam, 15 to 25 percent slopes, severely eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MtD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
MtE	Mt. Airy channery loam, 25 to 45 percent slopes	A

**BENCHMARKS**

Sta. 1BHA	N 174,821.7493	E 391,962.8875	El.: 172.6199 (meters)
	N 584,965.181	E 1,285,964.906	El.: 566.337 (feet)
Sta. 0036	N 178,351.4610	E 393,012.5850	El.: 163.6693 (meters)
	N 585,141.418	E 1,284,408.789	El.: 536.972 (feet)

**LEGEND**

- Existing Contour
- Existing Spot Elevation
- Existing Trees to Remain
- Existing Stream Buffer
- Proposed Septic Easement
- Existing Septic Area
- Proposed Well Area
- Easement Access
- Proposed House
- Perc Test (Passed)
- Perc Test (Failed)
- Soil boundary line
- Proposed Well Site



**VICINITY MAP**  
SCALE: 1"=2000'

**GENERAL NOTES**

- Subject property zoned RR-DEO per 02/02/04 Comprehensive Zoning Plan and the "Comp. Lite" Zoning Amendments effective on 07/28/06.
- Reference: Liber 749, Folio 116
- Total area of lots = 49.986 ac.±
- Contractor to confirm all dimension, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
- Private water and sewer will be used within this site.
- This area designates a private sewage easement, of at least 10,000 SF as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). 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.
- All wells and septic fields within 100' of property's boundary have been shown.
- Existing Topography within lots is based on a field run topographic survey prepared by FSH Associates on or about June, 2006 and May, 2008.
- All wells to be drilled prior to submittal of record plat for signature. It is the developer's 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.
- Howard County Soil Map #12
- Number of proposed lots: 4
- Deed History:  
December, 1975-Present: Joseph W. Dunst & Elaine Louise Dunst  
December, 1954-December - 1975: Howard C. Nicodemus & Nicole S. Nicodemus
- The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland DEPARTMENT OF THE Environment.
- Well and Septic on proposed Lot 3 have been approved 8/16/1979 (septic field), 8/23/1979 (well completed), 12/18/1979 (septic trench installed). On 5/22/08 water table has been tested in hole No. 5 and found to be adequate.
- Any changes to a private sewage easement shall require a Revised Percolation Certification Plan.
- All Percolation test holes on Lots 1, 2 and 4 have been field located by FSH Associates.
- Any unequal length trenches will require a Low Pressure System.



LOT 1  
SEE ENLARGEMENT 'A'  
SHEET 2 OF 2

LOT 2  
SEE ENLARGEMENT 'B'  
SHEET 2 OF 2

LOT 3  
SEE ENLARGEMENT 'C'  
SHEET 2 OF 2

LOT 4  
SEE ENLARGEMENT 'D'  
SHEET 2 OF 2

Maryland State Grid (NAD 83/91)

E 1,284,400  
N 584,500

E 1,286,100  
N 584,500

PLAN VIEW  
SCALE: 1"=200'

**OWNER/DEVELOPER**  
Mrs. Elaine Louise Dunst  
C/O Herman Dunst  
601 Sunrise Avenue  
Ridgely, MD 21660  
Tel.: (410) 634-2400

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

*Robert J. Jones*  
COUNTY HEALTH OFFICER

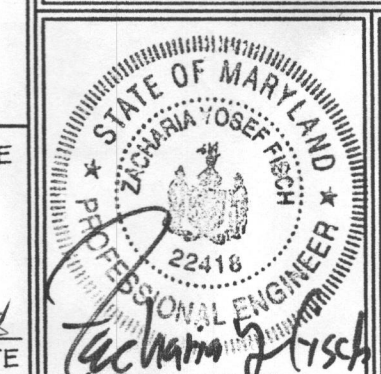
8/16/08  
DATE

**PROFESSIONAL CERTIFICATION**  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 7/29/2009.

**PERCOLATION CERTIFICATION PLAN**  
**DUNST PROPERTY**  
LOTS 1 THRU 4

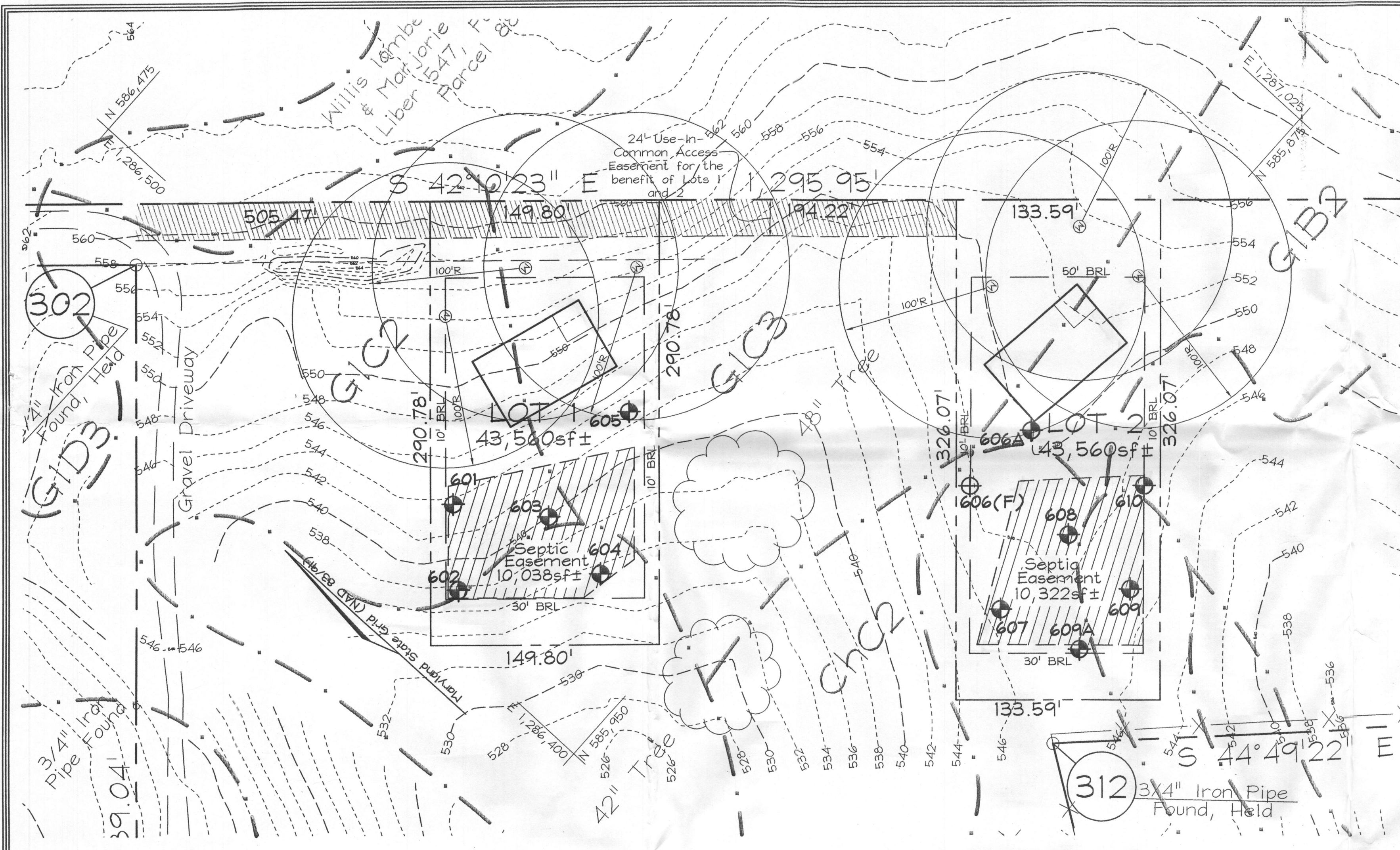
TAX MAP 20 GRID 09  
4TH ELECTION DISTRICT

PARCEL 10  
HOWARD COUNTY, MARYLAND



**FSH Associates**  
Engineers Planners Surveyors  
6339 Howard Lane, Elkridge, MD 21075  
Tel: 410-567-5200 Fax: 410-796-1562  
E-mail: info@fisher.com

DESIGN BY: ZYF  
DRAWN BY: LHK  
CHECKED BY: ZYF  
SCALE: As Shown  
DATE: July 8, 2008  
W.O. No.: 3239  
SHEET No.: 1 OF 2



SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
ChA	Chester silt loam, 0 to 3 percent slopes	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
Cs	Comus silt loam	B
CuB	Comus silt loam, local alluvium, 3 to 8 percent slopes	B
GIB2	Glenela loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glenela loam, 8 to 15 percent slopes, moderately eroded	B
GIC3	Glenela loam, 8 to 15 percent slopes, severely eroded	B
GID2	Glenela loam, 15 to 25 percent slopes, moderately eroded	B
GID3	Glenela loam, 15 to 25 percent slopes, severely eroded	B
GmB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MtD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
MtE	Mt. Airy channery loam, 25 to 45 percent slopes	A

PERC. CHART LOT 1	
Number	Elevation
601	544.06
602	538.22
603	540.48
604	538.97
605	542.47

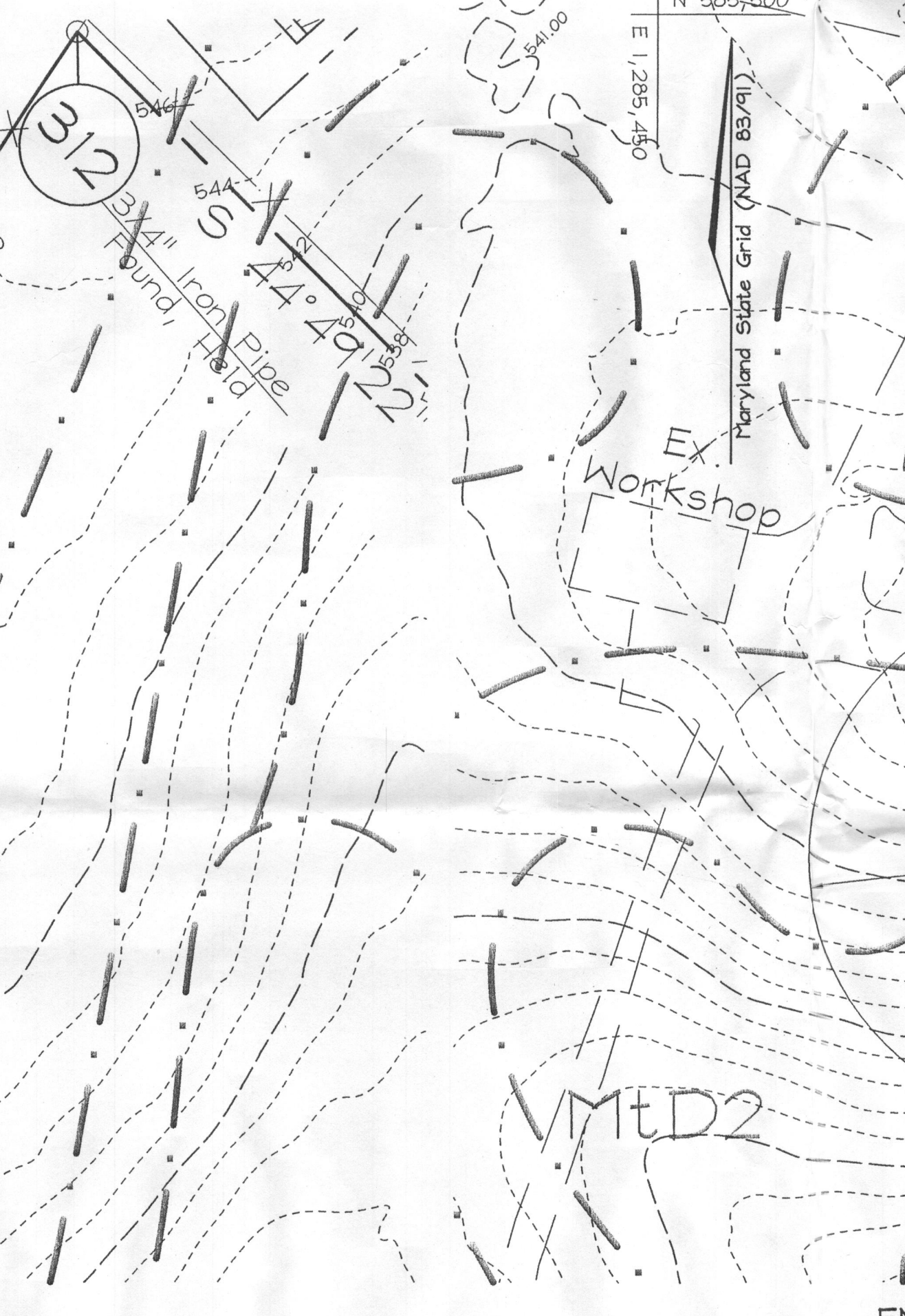
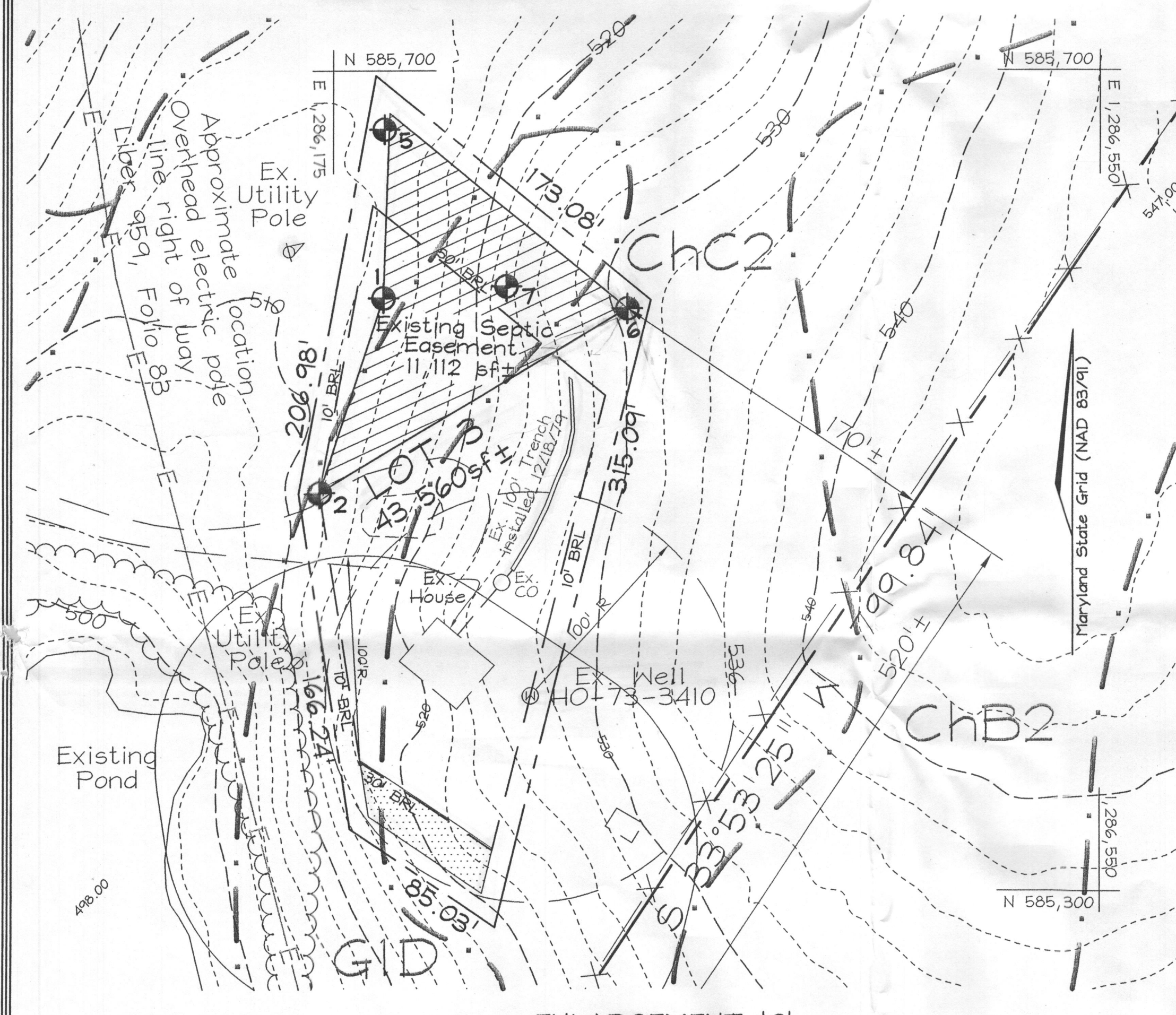
PERC. CHART LOT 2	
Number	Elevation
606(F)	548.31
606A	550.22
607	546.64
608	548.46
609	547.34
609A	547.06
610	547.30

**LEGEND**

- Existing Contour: Dashed line with elevation (e.g., 382)
- Existing Spot Elevation: Circle with elevation (e.g., 382.3)
- Existing Trees to Remain: Cloud-like outline
- Existing Stream Buffer: Two parallel lines (SB-SB)
- Proposed Septic Easement: Hatched area
- Easement Access: Solid line
- Proposed House: Rectangle
- Perc Test (Passed): Circle with elevation (e.g., 601)
- Perc Test (Failed): Circle with elevation and (F) (e.g., 606(F))
- Soil boundary line: Dashed line
- Proposed Well Area: Hatched area
- Proposed Well Site: Circle with 'W' and elevation (e.g., 600.05)

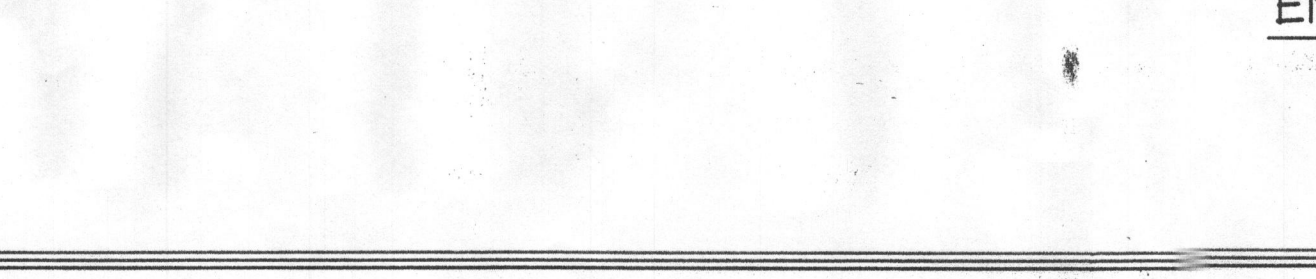
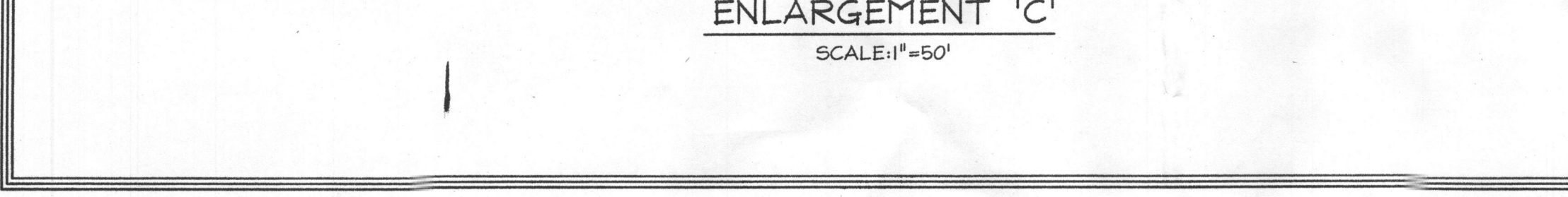
ENLARGEMENT 'A'  
SCALE: 1"=50'

ENLARGEMENT 'B'  
SCALE: 1"=50'



ENLARGEMENT 'C'  
SCALE: 1"=50'

ENLARGEMENT 'D'  
SCALE: 1"=50'



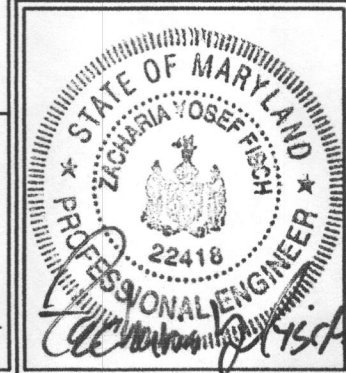
PERC. CHART LOT 4	
Number	Elevation
620	530.05
621	542.54
622	538.34
623(F)	533.77
624	543.22
625	538.92
626(F)	536.63
627(F)	534.34
628	537.06
629	531.05

**PROFESSIONAL CERTIFICATION**  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 7/24/2004.

**PERCOLATION CERTIFICATION PLAN**  
**DUNST PROPERTY**  
LOTS 1 THRU 4  
TAX MAP 20 GRID 09  
4TH ELECTION DISTRICT  
PARCEL 10  
HOWARD COUNTY, MARYLAND

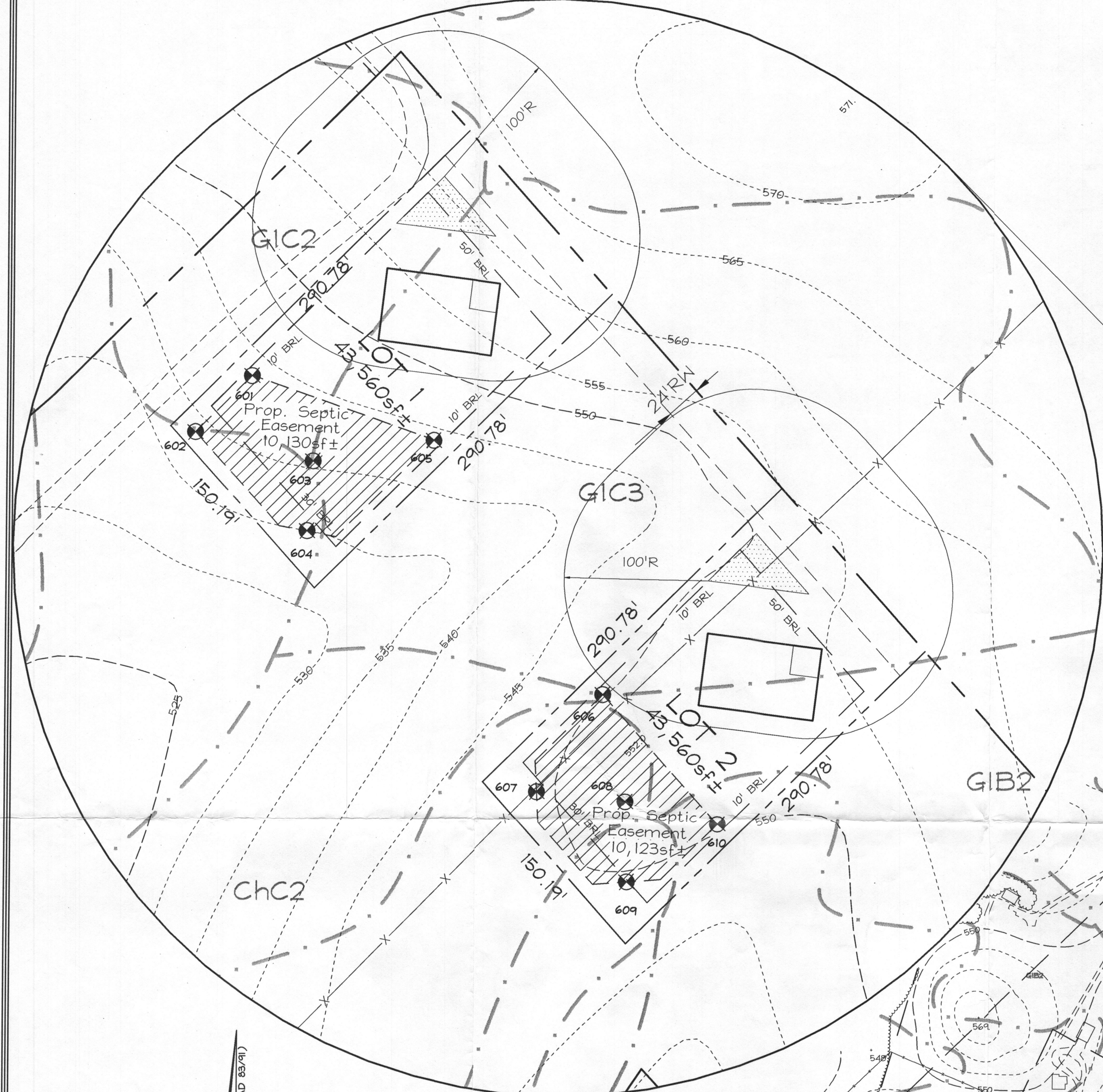
**OWNER/DEVELOPER**  
Mrs. Elaine Louise Dunst  
C/O Herman Dunst  
601 Sunrise Avenue  
Ridgely, MD 21660  
Tel.: (410) 634-2400

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY.  
[Signature]  
COUNTY HEALTH OFFICER



**FSH Associates**  
Engineers Planners Surveyors  
6339 Howard Lane Elkridge, MD 21075  
Tel: 410-567-5200 Fax: 410-798-1562  
E-mail: info@fsh.com

DESIGN BY: ZYF  
DRAWN BY: AY  
CHECKED BY: ZYF  
SCALE: As Shown  
DATE: July 8, 2008  
H.O. No.: 3239  
SHEET No.: 2 OF 2



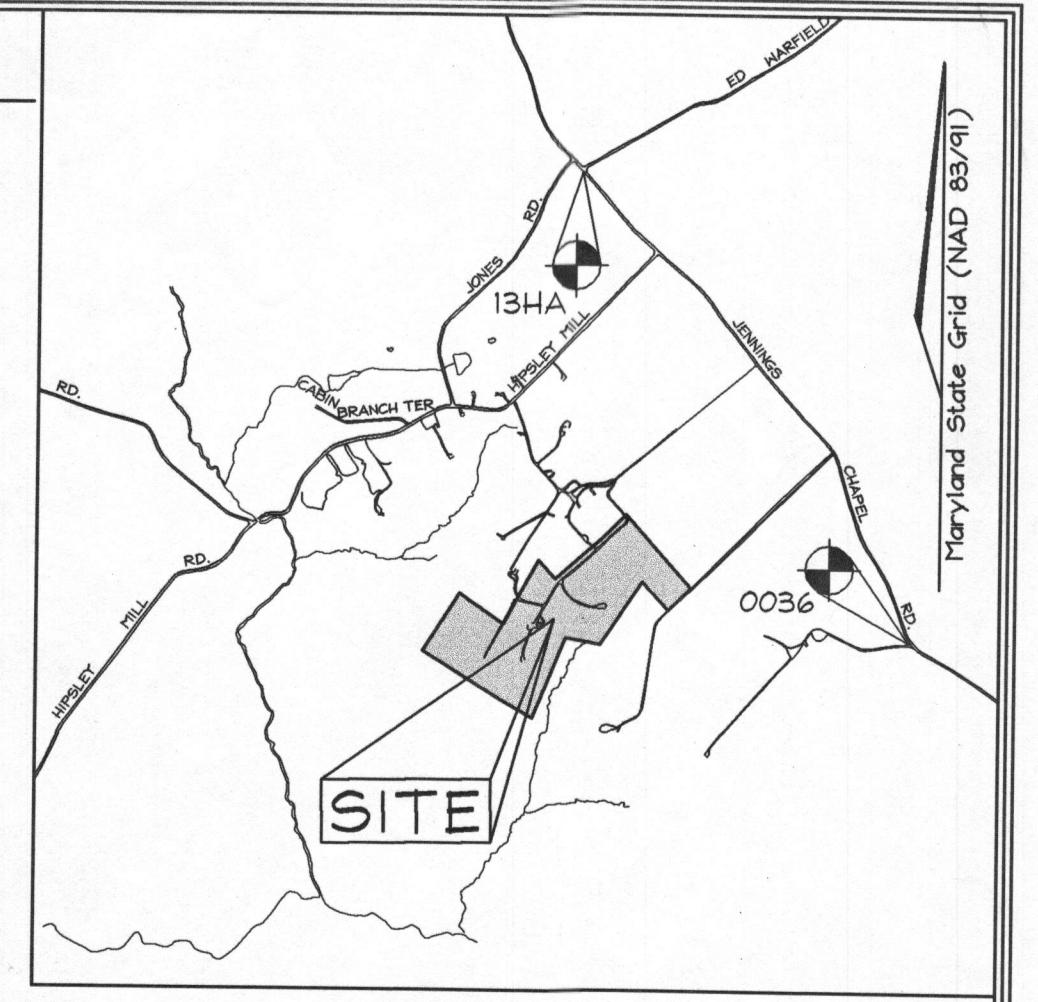
**ENLARGEMENT**  
SCALE: 1" = 50'

**GENERAL NOTES**

1. Subject property Zoned R, per 04/04/04 Comprehensive Zoning Plan.
2. Total area of property = 2.00 ac ±
3. Private water and sewer will be used within this site.
4. This area designates a private sewage easement, of at least 10,000 SF (or 10,000 square feet per lot for shared drain fields associated with a shared sewage disposal facility) as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). 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.
5. All wells and septic fields within 100' of property's boundary have been shown.
6. Existing Topography based on Howard County Aerial Topography flown in 1993.
7. All wells to be drilled prior to submittal of record plat for signature. It is the developer's 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. If a well success rate is accomplished at various locations within the site, the developer shall have the option to request relief from drilling the remaining wells prior to plat recordation.
8. Number of proposed lots: 2
9. Deed History:  
December, 1975-Present: Joseph W. Dunst & Elaine Louise Dunst  
December, 1954-December, 1975: Howard C. Nicodemus & Mary C. Nicodemus
10. The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.

**BENCHMARKS**

Sta. 13HA	N 179,821.7493	E 391,962.8875	El.: 172.6199 (meters)
	N 584,965.1891	E 1,285,964.906	El.: 566.337 (feet)
Sta. 0036	N 178,391.4610	E 393,012.5850	El.: 163.6693 (meters)
	N 585,141.418	E 1,289,408.789	El.: 536.972 (feet)



**VICINITY MAP**  
SCALE: 1" = 2000'



**PLAN VIEW**  
SCALE: 1" = 200'

**LEGEND**

- Existing Contour
- Existing Spot Elevation
- Existing Trees to Remain
- Existing Stream Buffer
- Proposed Septic Easement
- Existing Septic Area
- Proposed Well Area
- Proposed House
- Proposed Perc Test

**SOILS LEGEND**

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
ChA	Chester silt loam, 0 to 3 percent slopes	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
Cs	Conus silt loam	B
GuB	Conus silt loam, local alluvium, 3 to 8 percent slopes	B
GIB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
GIC3	Glenelg loam, 8 to 15 percent slopes, severely eroded	B
GID2	Glenelg loam, 15 to 25 percent slopes, moderately eroded	B
GID3	Glenelg loam, 15 to 25 percent slopes, severely eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MtD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
MtE	Mt. Airy channery loam, 25 to 45 percent slopes	A

**PERCOLATION APPLICATION PLAN  
DUNST PROPERTY**

TAX MAP 20 GRID 9  
FOURTH ELECTION DISTRICT  
PARCEL 10  
HOWARD COUNTY, MARYLAND

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY  
COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

**OWNER/DEVELOPER**  
Mr. Joseph W. & Mrs. Elaine Louise Dunst  
3380 Jennings Chapel Road  
Woodbine, Maryland 21797-7512  
Tel.: (410)442-5683

**FSH Associates**  
Engineers Planners Surveyors  
8318 Forrest Street Ellicott City, MD 21043  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: info@fsha.biz

DESIGN BY: PS  
DRAWN BY: MY  
CHECKED BY: ZYF  
SCALE: AS SHOWN  
DATE: March 29, 2006  
W.O. No.: 3239  
SHEET No.: 1 OF 1

USED FOR TESTING