

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 525242

AGENCY REVIEW: _____

DATE 9/1/2006

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 UNKNOWN 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) WENDOL A. WILLIAMS

DAYTIME PHONE (443) 465-1397 CELL _____ FAX _____

MAILING ADDRESS 105 MCKINLEY AVE, NEW HAVEN, CT 06515
STREET CITY/TOWN STATE ZIP

APPLICANT JOHN. E. HARMS, JR. & ASSOC., INC.

DAYTIME PHONE (301) 631-2027 EXT 112 CELL (240) 674-7974 FAX (301) 631-2028

MAILING ADDRESS 41 EAST ALL SAINTS ST, SUITE 210, FREDERICK, MD 21701
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIDGE ROAD PROPERTY LOT NO. 2

PROPERTY ADDRESS 1259 RIDGE ROAD MT AIRY, MD
STREET TOWN/POST OFFICE

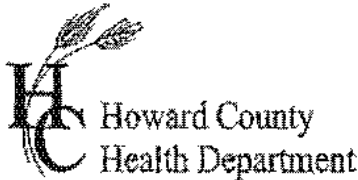
TAX MAP PAGE(S) 6 GRID 1 PARCEL(S) 158 (LOT 3) PROPOSED LOT SIZE 58,134 SF

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.

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIDGE ROAD PROPERTY LOT NO. PRES. PARCEL A

PROPERTY ADDRESS 1259 RIDGE ROAD MT AIRY, MD
STREET TOWN/POST OFFICE

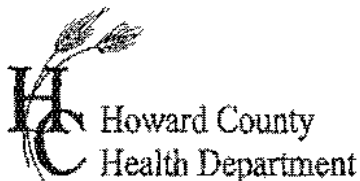
TAX MAP PAGE(S) 6 GRID 1 PARCEL(S) 158 (LOT 3) PROPOSED LOT SIZE 337,208 SF

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.

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Anthony Planchet
SIGNATURE OF APPLICANT

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIDGE ROAD PROPERTY LOT NO. 3

PROPERTY ADDRESS 1259 RIDGE ROAD MT AIRY, MD
STREET TOWN/POST OFFICE

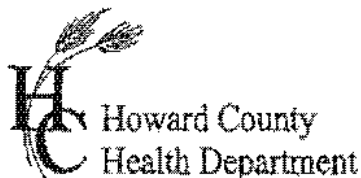
TAX MAP PAGE(S) 6 GRID 1 PARCEL(S) 158 (LOT 3) PROPOSED LOT SIZE 59,998 SF

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIDGE ROAD PROPERTY LOT NO. 4

PROPERTY ADDRESS 1259 RIDGE ROAD MT AIRY, MD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 6 GRID 1 PARCEL(S) 158 (INITIALLY LOT 3) PROPOSED LOT SIZE 56,007 SF

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STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIDGE ROAD PROPERTY LOT NO. 5

PROPERTY ADDRESS 1259 RIDGE ROAD MT AIRY, MD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 6 GRID 1 PARCEL(S) 158 (LOT 3) PROPOSED LOT SIZE 48,473 SF

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MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd Lot # 5 Date 11/15/2006

Sanitarian Robert B Landscape Position Ridgetop

% Slope 6.5 Soil Type _____ Contractor Fyock's (Bob, Ryan)

HOLE # 28 DEPTH OF TEST 6" START TIME 2:20

	Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
5" dk. grey brn silt; 2 fgr & rock	9 16/16	START	—		
12" yel-brn silt	9 15/16	10	1/16		
12" yel-brn chsilt	9 29/32	10	1/32		
17" grey weathered shale	9 14/16	10	1/32		
23" yel-brn silt					
38" common, median distinct depletions					
55" few, fine, prom. enrichments					
67" yel-brn silt					
grey silt					
grey shale 80% R					

Fail

HOLE # 27 DEPTH OF TEST 9" START TIME 2:38

	Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
6" brown silt	9 16/16	START	—		
2 fgr	9 27/32	10	5/32		
brn chsilt	9 12/16	10	3/32		
common median faint depletions	9 11/16	10	1/16		
14" weathered grey shale					
pockets yel-red silt; many large prom. depletions					
65" grey silt					
grey shale 80% R					
84" (2")					

Fail



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PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIDGE ROAD PROPERTY LOT NO. 6

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STREET TOWN/POST OFFICE

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MOUND TEST DATA SHEETS

Property I.D. Ridge Rd Lot # 5 Date 11/15/06
 Sanitarian Robert B Landscape Position Side Slope
 % Slope 9 Soil Type _____ Contractor Fyock's (Beb, Ryan)
 HOLE # 32 DEPTH OF TEST 8" START TIME 12:47

	Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
6" dk grey-brn silt 2%gr	9 16/16	START	—	—	—
14" grey brn silt few medium common fine roots	9 15/16	10	4/16	—	—
14" grey brn silt few medium common fine roots	9 14/16	10	4/16	—	—
20" yel-brn & grey brn w/ common, medium faint depletions & few fine root inclusions 20% channels	9 14/16	10	0	—	—
20" grey brn silt 60% shale w/ clay coatings					
40" yel-red silt 65% shale & clay coatings					
114" (3.5')					

Fail

HOLE # 31 DEPTH OF TEST 12" START TIME 12:55

	Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
1' dark brown & crumbly	9 16/16	START	—	—	—
2' brown silt 20% gravel 20% clay m	9 12/16	10	4/16	—	—
3' red yellow silt drier silt some fine roots 35% cobbles clannery quartz, phyllite CS	9 11/16	10	1/16	—	—
	9 9.5/16	10	1.5/16	—	—
	9 8.5/16	10	1/16	—	—
	9 7.5/16	10	1/16	—	—
6' brown silt ~50% cobbles clannery					
5" 80% shale clay brn					

3.5"/16, 30 min
Fail

MOUND TEST DATA SHEETS

Property I.D. 1257 Ridge Rd. Lot # 6 Date 11/15/06

Sanitarian Robert B Landscape Position side slope, concave at #36

% Slope 10 Soil Type _____ Contractor Fyock's (Bob, Ryan)

HOLE # 36 DEPTH OF TEST 7" START TIME 11:19

6" d/c grey brn
silt 2% silt
18" chscl vel brn
20% channers
yel brn vch silt
60%
pockets grey shale
36" grey shale
48" dense, cemented
yel-red silt
65% shale
quartz intrusions
114" (9.5') R
surface
shale vein

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 10/16	Begin	—	—	—
9 31/32	15	1/32	—	—
9 14/16	15	3/32	—	—
9 27/32	15	1/32	—	—

Fail

HOLE # 35 DEPTH OF TEST 8" START TIME 11:35

8" DRG R Br
Silt
Yell Br Silt
15% gravelly
25%
18" 60% shale channers
(14"-20" Gr Rcl
drainage mottles)
24" common fine
brown Erc
Yell Br Silt
80% shale channers
St. Cem weathered
shale
55" LT Br L
80% shale channers
OM saprophyte
9' HB

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	0	Begin	—	—
9 10/16	5	0/16	—	—
9 8/16	10.5	2/16	—	—
9 6/16	15.5	2/16	—	—
9 5.5/16	20.5	0.5/16	—	—
9 5.5/16	25.5	0	—	—

Fail

85 36 #

Ridge Rd Lot 6 #36

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/15/06	36	5' 9.5"	0	>15 min, 2 1"			

REMARKS

Tested deep yellowish-red flaggy soil under shale vein

SANITARIAN

Robert B/SF

BACKHOE

Fyocks (Bob, Ryan)

OTHERS

TEST HOLES USED IN SDA

None

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE S/W

MOUND TEST DATA SHEETS

 Property I.D. 1257 Ridge Rd.

 Lot # 6

 Date 11/15/2006

 Sanitarian Robert B

 Landscape Position side slope, concave at #37

% Slope _____

Soil Type _____

 Contractor Fyock (Bob, Ryan)

 HOLE # 38

 DEPTH OF TEST 14"

 START TIME 9:35

 reset 9:54

8" dk grey-brn sil
 2fg common
 medium roots
 22" vch sil
 few fine roots
 2msbk
 grey-brn
 48" vch sil, red-brn
 45% shale
 65" yel-red loam
 8m 60% channers
 70" red brn loam
 75% channers
 96" greenish-blue
 shale, cemented
 R

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	0	Begin	—	—
9 7/16	7 min	9 1/16	—	—
9 16/16	9:54	Begin	—	—
9 15/16	5 min	1/16	—	—
9 29/32	5 min	1/32	—	—
9 14/16	5 min	1/32	—	—
9 14/16	5 min	0	—	—
9 14/16	5 min	0	—	—
9 14/16	5 min	0	—	—

leak outer cylinder - reset

Fail

 HOLE # 37

 DEPTH OF TEST 14"

 START TIME 9:35

7" dk grey-brn
 ch sil 3fg
 2msbk 20% channers
 14" grey-brn vch sil
 45% channers
 18" brn sil
 very shaley, 60%
 22" pocket yel-red
 ch sil
 26" shale
 cemented
 (refusal)
 R

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 14/16	0	Begin	—	—
9 13.5/16	8	2.5/16	—	—
9 12/16	16	1.5/16	—	—
9 12/16	24	0	—	—
9 10.5/16	32	1.5/16	—	—
9 10/16	40	.5/16	—	—
9 10/16	48	0	—	—
	56			

Fail

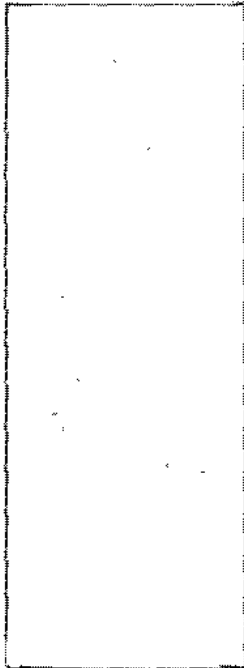
MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd Lot # 5 Date 11/15/2006

Sanitarian RB Landscape Position Shoulder

% Slope _____ Soil Type _____ Contractor _____

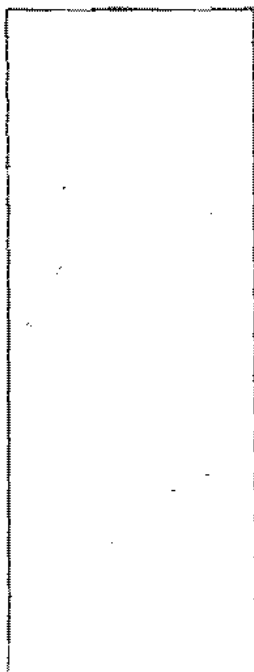
HOLE # 29 DEPTH OF TEST _____ START TIME _____



Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Failed, water seeps immediately down slope

HOLE # 30 DEPTH OF TEST _____ START TIME _____



Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Failed, water seeps immediately down slope

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd Lot # 6 Date 11/15/2006 ~~11/15/2006~~

Sanitarian RB Landscape Position Concave Slope (Swale)

% Slope _____ Soil Type _____ Contractor _____

HOLE # 33 DEPTH OF TEST _____ START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Failed, Topography

HOLE # 34 DEPTH OF TEST _____ START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Failed, Topography

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd Lot # 3 Date 12/5/06

Sanitarian RB Landscape Position Ridgetop (point)

% Slope _____ Soil Type _____ Contractor _____

HOLE # 15 DEPTH OF TEST _____ START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Fail, within 25' of rock outcrop
(outcrop within ^{proposed} mound footprint)

HOLE # 16 DEPTH OF TEST _____ START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Fail, within 25' of rock outcrop
(outcrop also within ^{proposed} mound footprint)

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd. Lot # 3 Date 12/5/06

Sanitarian RB Landscape Position Ridgetop

% Slope 10 Soil Type _____ Contractor _____

HOLE # 19 DEPTH OF TEST 15" START TIME _____

1" black, organic
1" fer
brn sil, 7fsbk
10% channers
12" brn chsil
2fsbk, 25% channers
18" brown vhsil
1 vfsbk, 60%
channers
clay coatings
38" bedded shale
green-blue
>80%
52" RR

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	0	—	—	
9 28/32	6	3/32		
9 27/32	6	2/32		
9 25/32	6	2/30		
9 22/32	6	3/32 (1 1/16)		
9 20/32	6	2/32 (1/16)		
9 18/32	6	2/32		
9 16/32	6	2/32		

Fail

$$\frac{10.2}{32} = \frac{20}{32} < 1" / hr$$

HOLE # 20 DEPTH OF TEST 18" START TIME _____

1" blk organic, 1fer
brn chsil
20% channers
2fsbk & fgr
13" brn chsil
2fsbk, 30% channers
24" brn vhsil
50% channers
clay coatings
36" brn exfsil
70% green-blue
shale flags
52" ↓

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	0	—	—	
9 10/16	6	6/16		
9 5/16	6	5/16		
9 2/16	6	3/16		
8 29/32	6	7/32 (3.5/16)		
8 11/16	6	2/32 (3.5/16)		
8 15/32	6	2/32 (3.5/16)		

PASS

$$\frac{10.35}{16} = 72" / hr$$

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd. Lot # 3 Date 12/5/06

Sanitarian RB Landscape Position Ridgetop

% Slope 8 Soil Type _____ Contractor _____

HOLE # 17 DEPTH OF TEST 15" START TIME _____

4" Organic
0a40i
sil, brn
25sbk
12" yel-brn sil
7fsbk, 25-30%
1 channers
26" brn sil
45% channers
40" red-brn loam
shale, 70%
77" R bedded
shale R

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	5	17/32		
9 15/32	5	17/32		
9 1/16	5	18/32 (8.5/16)		
8 11/16	5	10/32 (5/16)		
8 6/16	5	10/32 (5/16)		
8 2/16	5	8/32 (4/16)		
7 27/32	5	7/32 (3.5/16)		
7 17/32	5	10/32 (5/16)		
7 4/32	5	6/32 (3/16)		
7 3/32	5	8/32 (4/16)		

Pass

HOLE # 18 DEPTH OF TEST 12" START TIME _____

1" Organic
brn sil
8" 2fsbk
yel-brn sil
1fsbk
15" 20% channers
yel-brn ch sil
25% channers
24" red-brn sil
55" channers
45" brn sil
70-80% flossy shale
52" ↓

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	7:30	Begin		
9 27/32	5	5/32		
9 12/16	5	3/32		
9 12/16	5	0		
9 23/32	5	2/32		
9 21/32	5	1/32		
9 19/32	5	2/32		
9 19/32	5	0		

Fail

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd Lot # 4 Date 12/5/06

Sanitarian RB Landscape Position Ridge top

% Slope 4.5 Soil Type _____ Contractor _____

HOLE # 22 DEPTH OF TEST 18" START TIME _____

3" dk brn loam
1 fsbk & vfg
brn sil
10" 2 vf sbk
yel-brn chsck
1 fsbk
24" brn & red-brn
ext sil
80% shale
(Cr), grey
52" ↓

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 ¹⁶ / ₁₆	12:32	0		
9 ¹² / ₁₆	12:47 (15)	4 ¹⁶ / ₁₆	1 ¹⁶ / ₁₆	
9 ⁹ / ₁₆	13:02 (15)	3 ¹⁶ / ₁₆	9 ¹⁶ / ₁₆	
9 ⁶ / ₁₆	13:17 (15)	3 ¹⁶ / ₁₆	9 ¹⁶ / ₁₆	
9 ⁵ / ₁₆	13:32 (15)	1 ¹⁶ / ₁₆	2 ¹⁶ / ₁₆	

chne
5-6"
deep
3¹⁶/₁₆, 30 min
Fail

HOLE # 24 DEPTH OF TEST 17" START TIME _____

0M/40
20" gravel
brn sil
15" brown sil
sbk
35-40% gravel
clay
3" red yellow
50% clay
sil ? gravel

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 ¹⁰ / ₁₆	1:17	0		
8 ¹² / ₁₆	1:32	1 ³ / ₁₆	8 ⁵ / ₁₆	
8 ¹⁵ / ₁₆	1:47	1 ¹ / ₁₆	2 ⁵ / ₁₆	
7 ⁸ / ₁₆	2:02	4 ⁵ / ₁₆	4 ⁵ / ₁₆	
6 ¹⁰ / ₁₆	2:17	8 ¹ / ₁₆	2 ¹ / ₁₆	
6 ¹⁰ / ₁₆	2:32	6 ¹ / ₁₆	8 ¹ / ₁₆	
6 ³ / ₁₆	2:47	6 ¹ / ₁₆	1 ¹ / ₁₆	
5 ¹⁵ / ₁₆	3:02	4 ¹ / ₁₆	2 ¹ / ₁₆	
5 ⁹ / ₁₆	3:17	4 ¹ / ₁₆	2 ¹ / ₁₆	

Fail

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd. Lot # 4 Date 12/5/06

Sanitarian RB Landscape Position Ridge top

% Slope _____ Soil Type _____ Contractor _____

HOLE # 23 DEPTH OF TEST 16'5" START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	2:32	0		
9 8/16	2:42	8/16		
9 1/16	2:52	7/16		
8 13/16	3:02	4/16		
8 9/16	3:12	4/16		
8 6/16	3:22	3/16		
8 25/16	3:32	3 15/16		
8 1/16	3:42	1 5/16		
7 13 5/16	3:52	3 5/16		
7 11/16	4:02	2 5/16		
7 9/16	4:12	2/16		
7 8 5/16	4:22	1 5/16		
7 5 5/16	4:32	3/16		
7 3 5/16	4:42	2/16		
7 2/16	4:52	1 5/16		
7 —	5:02	2/16		

Fail

HOLE # 24B DEPTH OF TEST 14" START TIME _____

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
9 16/16	0	Begin		
9 15/16	6	1/16		
9 14/16	6	1/16		
9 13 5/16	6	1/32		

Fail

MOUND TEST DATA SHEETS

Property I.D. 1259 Ridge Rd. Lot # 4 Date 12/5/06

Sanitarian RB Landscape Position Shoulder

% Slope _____ Soil Type _____ Contractor _____

HOLE # 25 DEPTH OF TEST _____ START TIME _____

1" black, organic
yel-brn sil
1fsbk
6" exstably sil
80% to 95% rock
nearly vertical
30"

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Fail, rock content in treatment zone > 50%

HOLE # 26 DEPTH OF TEST _____ START TIME _____

1" black, organic
brn-grey sil
1fsbk, 30% channers
10" brn vch sil
1fsbk, 50% channers
18" irregular boundary
Shale bed, brn vch sil
near vertical, 1fsbk 55%
32"
48"
90% rock
yel-red sil
75% flags

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change

Fail, rock content in treatment zone > 50%



JOHN E. HARMS, JR. & ASSOCIATES, INC.
engineers • planners • surveyors

September 1, 2006

Howard County Health Department
7178 Columbia Gateway Drive
Columbia, Maryland 21046

Reference : Ridge Road Property
1259 Ridge Road
Tax Map 6, Parcel 158, Lot 3
Harms Work Order No. 08-06-011B

Dear Sir or Madam,

Attached please find the following Perc Test Application package for your review:

1. One (1) set of Perc Test Applications.
2. Two (2) copies of the Perc Test Plan.
3. Check made payable to the Director of Finance in the amount of \$3,718.00.

If you should have any questions or need additional information, please do not hesitate to contact our office.

Sincerely,

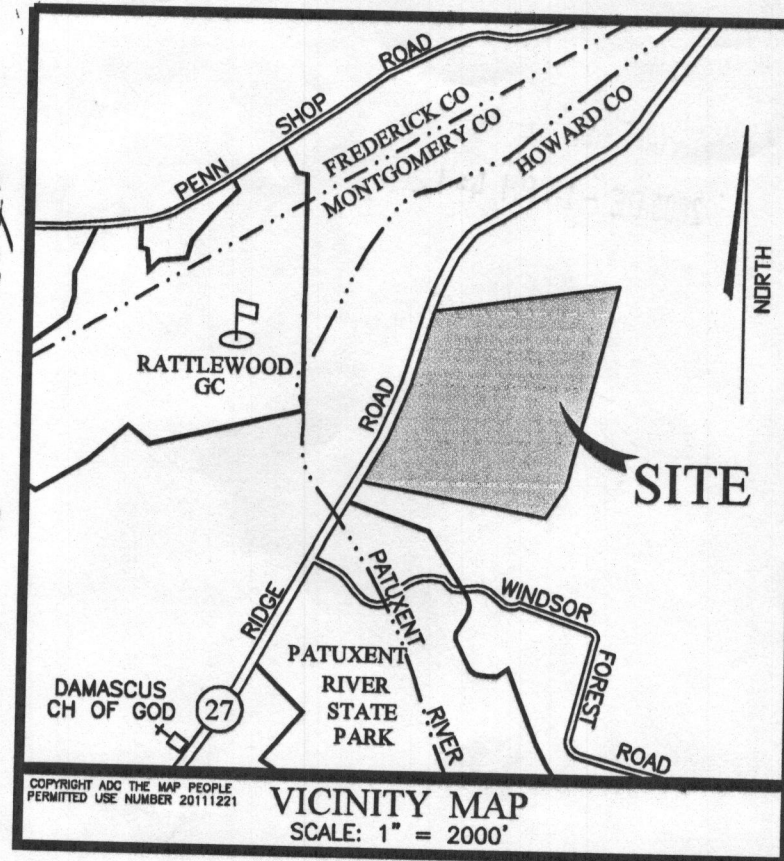
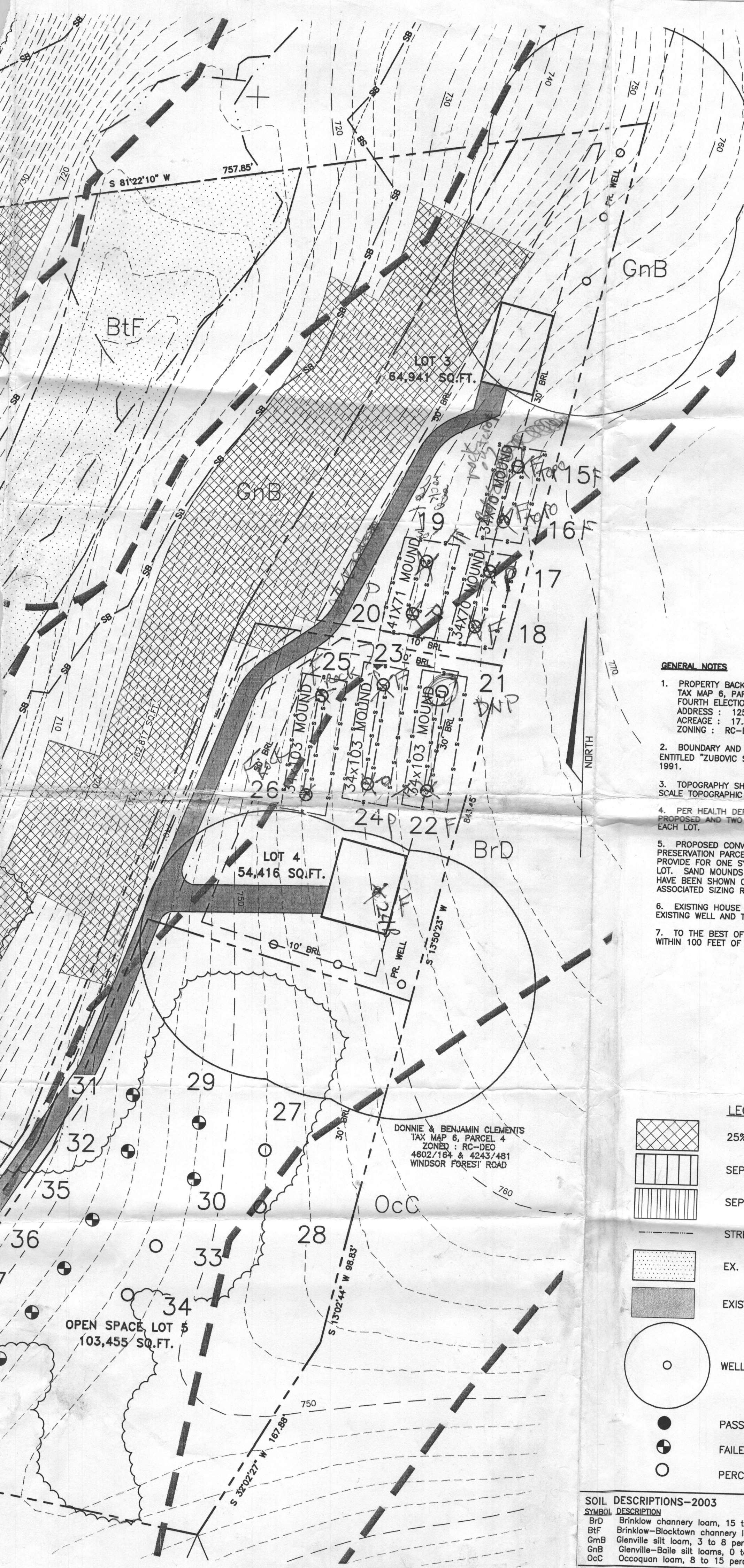
JOHN E. HARMS, JR. AND ASSOCIATES, INC.

Stephanie Demchik, RLA, ASLA
Senior Project Manager

cc : Wendol Williams

Enc.





HARMS

ENGINEERS • PLANNERS • SURVEYORS
41 EAST ALL SAINTS STREET, SUITE 210, FREDERICK, MARYLAND 21701
Office: 301/631-2027 FAX: 301/631-2028

GENERAL NOTES

1. PROPERTY BACKGROUND :
TAX MAP 6, PARCEL 158, LOT 3
FOURTH ELECTION DISTRICT
ADDRESS : 1259 RIDGE ROAD, MOUNT AIRY, MARYLAND 21771
ACREAGE : 17.34 ACRES
ZONING : RC-DEO
2. BOUNDARY AND FLOODPLAIN SHOWN HEREON IS BASED ON A PLAT ENTITLED "ZUBOVIC SUBDIVISION" RECORDED AS PLAT #10149 IN DECEMBER 1991.
3. TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200 SCALE TOPOGRAPHIC MAPS.
4. PER HEALTH DEPARTMENT REQUIREMENTS, THREE WELL LOCATIONS, ONE PROPOSED AND TWO POTENTIAL REPLACEMENTS, HAVE BEEN SHOWN FOR EACH LOT.
5. PROPOSED CONVENTIONAL SEPTIC EASEMENTS ON LOTS 1 & 2 AND PRESERVATION PARCEL A MUST BE A MINIMUM OF 10,000 SQUARE FEET TO PROVIDE FOR ONE SYSTEM AND TWO POTENTIAL REPLACEMENTS FOR EACH LOT. SAND MOUNDS HAVE BEEN PROPOSED ON LOTS 3 THRU 6 AND HAVE BEEN SHOWN ON SLOPES BETWEEN 6% AND 12% BASED ON THE ASSOCIATED SIZING REQUIREMENTS.
6. EXISTING HOUSE IS TO REMAIN, KNOWN AS 1259 RIDGE ROAD. THE EXISTING WELL AND TWO POTENTIAL REPLACEMENTS HAVE BEEN SHOWN.
7. TO THE BEST OF OUR KNOWLEDGE, ALL EXISTING SEPTIC AND WELLS WITHIN 100 FEET OF THE PROPERTY LINE HAVE BEEN SHOWN.

LEGEND

- 25% OR GREATER SLOPES
- SEPTIC EASEMENT
- SEPTIC EASEMENT AREA TO BE REMOVED OR GAINED
- STREAM
- EX. 100 YEAR FLOODPLAIN (PLAT #10149)
- EXISTING & PROPOSED PAVEMENT
- WELL
- PASSED PERC HOLE
- FAILED PERC HOLE
- PERC HOLES STAKED BUT NOT EXCAVATED

SOIL DESCRIPTIONS-2003

- | SYMBOL | DESCRIPTION |
|--------|--|
| BrD | Brinklow channery loam, 15 to 25 percent slopes -- Type B |
| BtF | Brinklow-Blocktown channery loams, 25 to 65 percent slopes -- Type B |
| GnB | Glenville silt loam, 3 to 8 percent slopes -- Type C |
| GnB | Glenville-Baile silt loams, 0 to 8 percent slopes -- Type C |
| OcC | Occoquan loam, 8 to 15 percent slopes -- Type B |

PERC TEST PLAT

RIDGE ROAD PROPERTY

Tax Map 6, Parcel 158, Grid 1, Lot 3
Election District No. 4
Scale: 1"=50'

Howard County, Maryland

DESIGNED BY: SJD
DRAWN BY: SIN
CHECKED BY: SJD
DATE: OCT, 2006
W.O. NO. 08-06-011B

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