

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 410-313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Robert T. Matthews Revocable Trust  
ADDRESS c/o Cloverfield/Pfefferkorn, LLC, 10705 Charter Drive, Suite 320, Columbia, MD 21044 PHONE 410-997-7400

AGENT OR PROSPECTIVE BUYER Heritage Land Development  
ADDRESS 3060 Washington Rd., Suite 220, Glenwood, MD 21738 PHONE 410-489-7900

PROPERTY LOCATION:

SUBDIVISION Matthews Property LOT NO. 15

ROAD AND DESCRIPTION \_\_\_\_\_  
2400 Pfefferkorn Road, West Friendship, MD 21794

TAX MAP NO. 15 PARCEL # 4

SIZE OF LOT 1 acre TYPE OF BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

\_\_\_\_\_  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

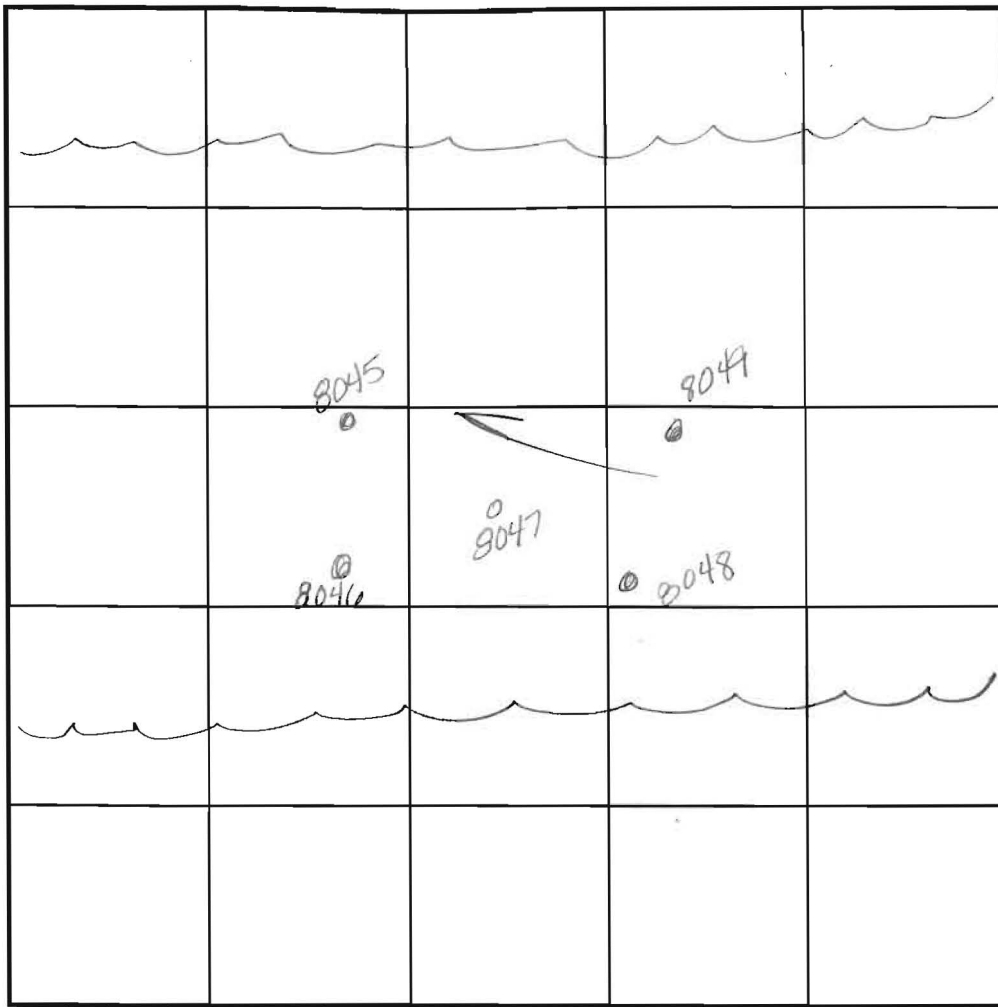
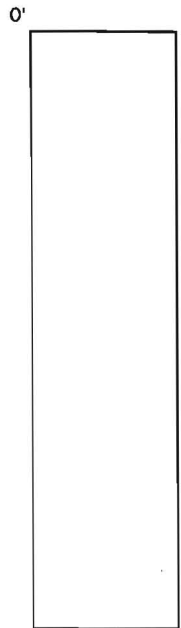
0' B046

red  
brn  
clm

4'  
orangl  
brn

SiSalm  
some  
Mg  
deposits  
not  
H2O

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5-10-03	8046	4 1/2	1:21	11:22	11:22	11:24	2min F	
	8047	Refusal @ 4' Insufficient depth to bedrock						F

REMARKS Tested per plan

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy Hart

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVG. PERCOLATION TIME \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_

MAXIMUM BOTTOM DEPTH \_\_\_\_\_

SQ. FT./BEDROOM \_\_\_\_\_

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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
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DISTRICT \_\_\_\_\_

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AGENT OR PROSPECTIVE BUYER Heritage Land Development  
ADDRESS 3060 Washington Rd., Suite 220, Glenwood, MD 21738 PHONE 410-489-7900

PROPERTY LOCATION:

SUBDIVISION Matthews Property LOT NO. 16

ROAD AND DESCRIPTION \_\_\_\_\_  
2400 Pfefferkorn Road, West Friendship, MD 21794

TAX MAP NO. 15 PARCEL # 4

SIZE OF LOT 1 acre TYPE OF BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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# THIS IS NOT A PERMIT

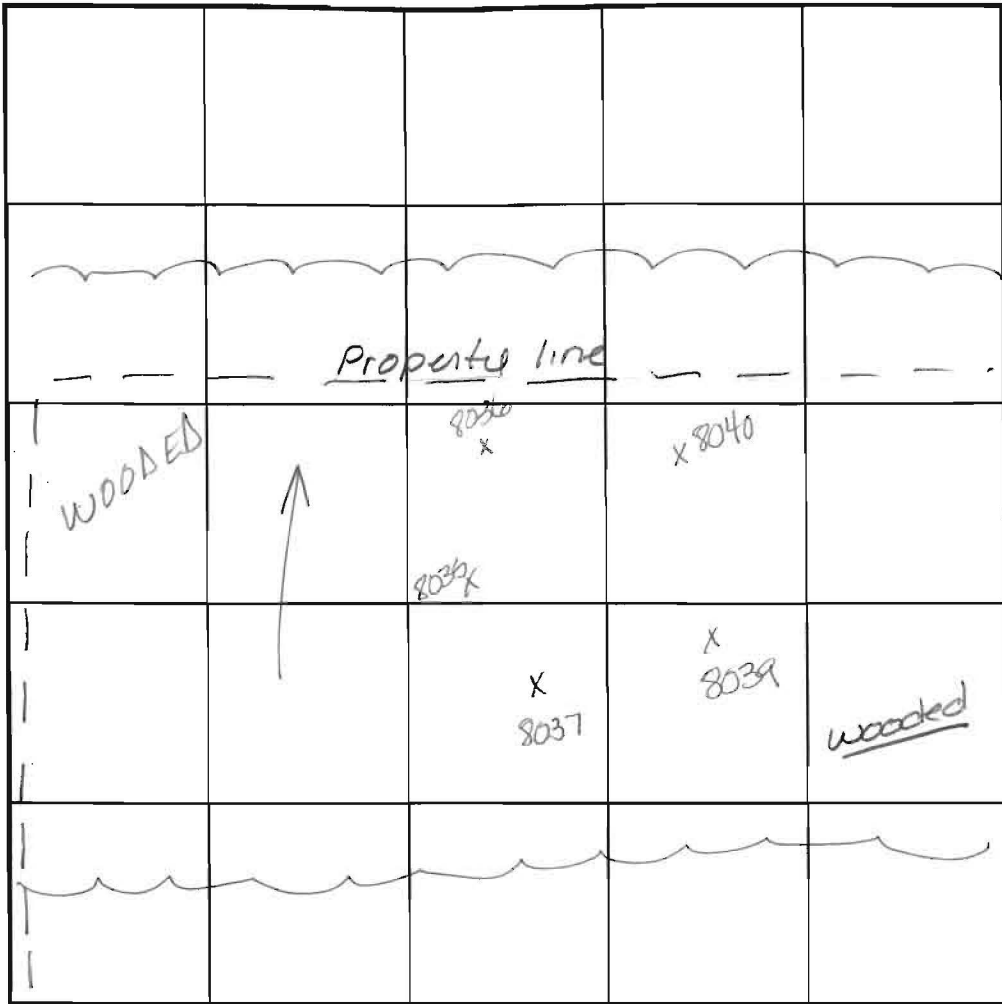
COUNTY #

SOIL PROFILE

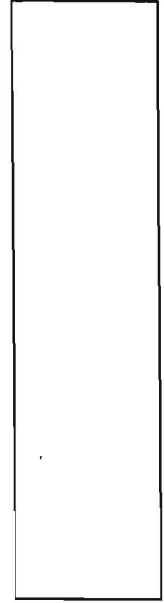
0' 8037  
 dark red silclm  
 4' orange brn silm  
 8 1/2' lgt tan salm  
 14' 8039

dark red silclm  
 4' or brn silm  
 5' lgt tan salm  
 small packets of decayed feldspar  
 14' 8040

dark red silclm  
 few large rocks  
 6' lgt brn salm  
 10-15% saprolite



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-10-03	8037	4'	12:08	12:10	12:10	12:14	4min
	8039	4 1/2'	12:14	12:16	12:16	12:18	2min
	8040	6'	1:33	1:40	1:40	1:48	8min

REMARKS 8040 dug @ 11:30am - checked at 3:30pm - no water Tested per Plan  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Amy Hart  
 TRENCH DESIGN DATA: AVG. PERCOLATION TIME \_\_\_\_\_ ALSO PRESENT Tim Feaga  
 TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

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HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 410-313-2640

A \_\_\_\_\_  
P \_\_\_\_\_  
DISTRICT \_\_\_\_\_  
DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
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AGENT OR PROSPECTIVE BUYER Heritage Land Development  
ADDRESS 3060 Washington Rd., Suite 220, Glenwood, MD 21738 PHONE 410-489-7900

### PROPERTY LOCATION:

SUBDIVISION Matthews Property LOT NO. 14 & 15

ROAD AND DESCRIPTION \_\_\_\_\_  
2400 Pfefferkorn Road, West Friendship, MD 21794

TAX MAP NO. 15 PARCEL # 4

SIZE OF LOT 1 acre TYPE OF BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

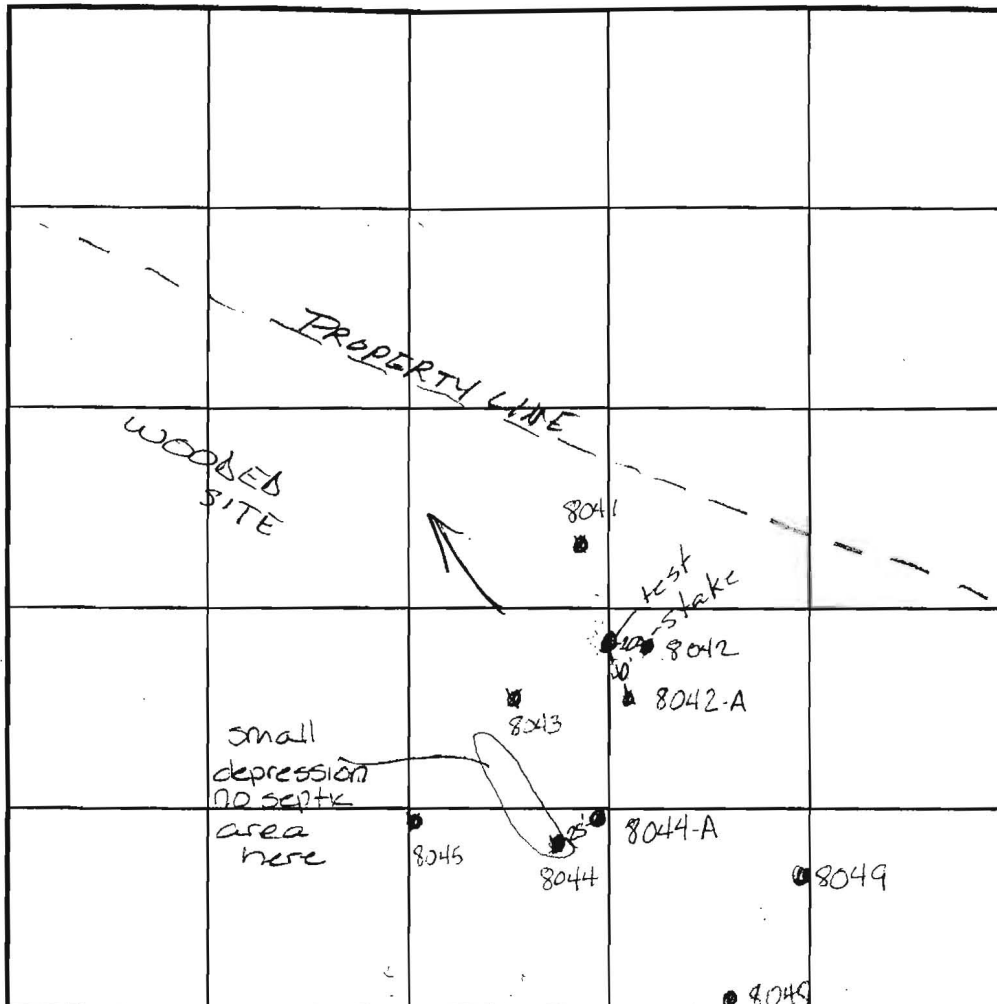
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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COUNTY #

SOIL PROFILE

0' 8045  
 or brn c1Lm  
 3' red brn 5iLm  
 8' red brn 5aLm  
 14' 8041 8042-A  
 Orange brn c1Lm  
 4 1/2' tan Salm  
 <5% decayed  
 4' 8044-A  
 Orange brown c1Lm  
 dark orange Salm  
 <5% Rx  
 2 1/2' refusal



SOIL PROFILE

0' 8049  
 orange c1Lm  
 4' 1/2' orange 5iLm  
 6' 30-40% grey rock orange Salm  
 10' refusal  
 8048  
 orange c1Lm  
 4' orange 5iLm  
 5 1/2' 30-40% Rx  
 9/2' refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
5-10-03	8045	4'	12:25	12:32	12:32	12:48	16min	P	
	8041	5'	12:54	12:54	12:54	1:07	13min	F	
	8042	Refusal @ 2'	Insufficient depth to bedrock					F	
	8042A	6'	2:40	2:44	2:44	2:47	3min	F	
	8044	Refusal @ 4'	Insufficient depth to H <sub>2</sub> O					F	
	8044A	4 1/2'	2:55	3:00	3:00	3:09	9min	F	
	8049	6 1/2'	3:16 <sup>15</sup>	3:16 <sup>45</sup>	3:16 <sup>45</sup>	3:17 <sup>45</sup>	1min	F	
	8049	4'	3:23	3:31	3:31	—	slow	F	
	8048	4'	3:30	less than 1" in 25min					
	8048	Insufficient depth to bedrock							F

REMARKS 8042 dug 20' off stake 8049 F-insufficient depth to bedrock

TYPE OF SOIL

TESTED BY Amy Hart

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVG. PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

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DISTRICT \_\_\_\_\_  
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PROPERTY LOCATION:

SUBDIVISION Matthews Property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_  
2400 Pfefferkorn Road, West Friendship, MD 21794

TAX MAP NO. 15 PARCEL # 4

SIZE OF LOT 1 acre TYPE OF BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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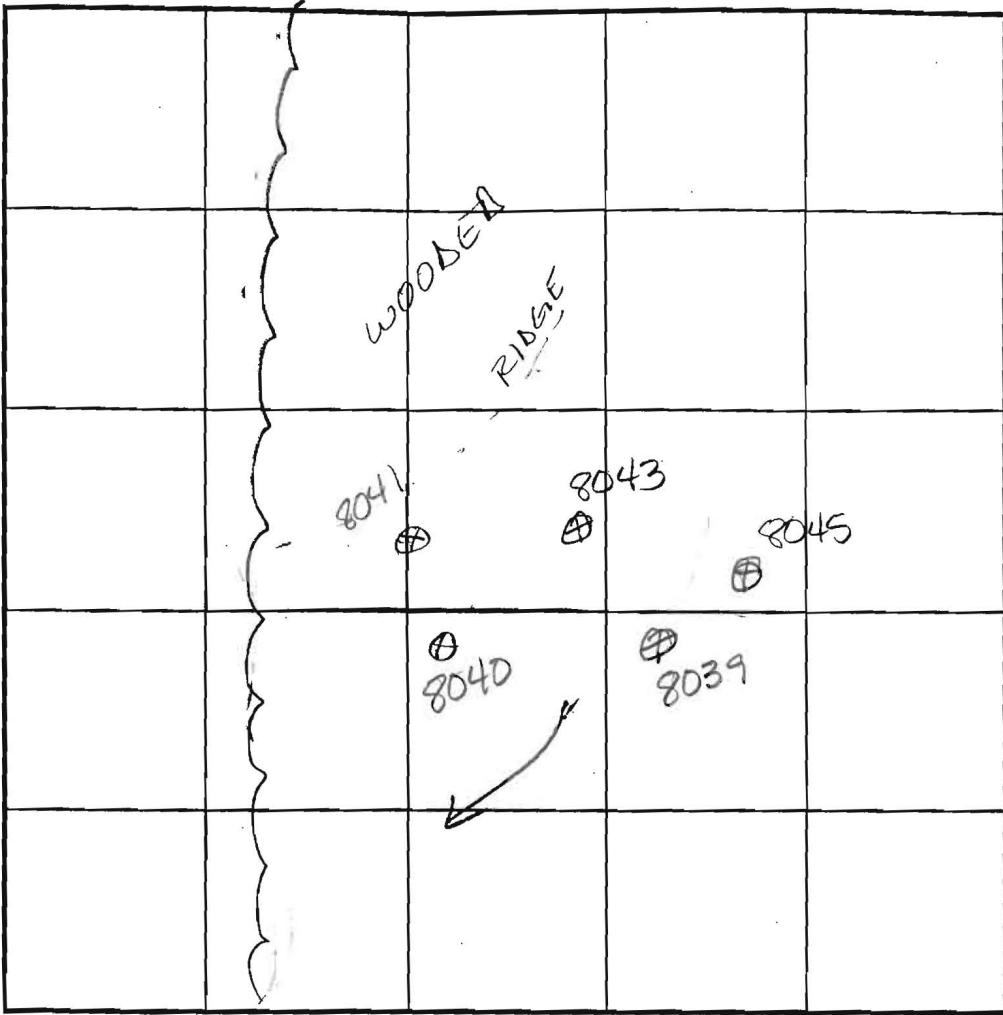
0' 8043

Orange  
brown  
CLM

4 1/2

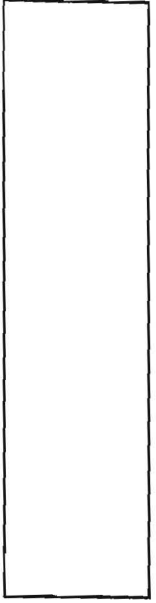
lgt  
tan  
SALM  
10%  
Rx

4'



SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-12-03	8043	Visual to 14'	- see profile		—		P.P.P

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy Hart

TRENCH DESIGN DATA: AVG. PERCOLATION TIME \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_

ALSO PRESENT John Boris

TRENCH WIDTH \_\_\_\_\_

SQ. FT./BEDROOM \_\_\_\_\_

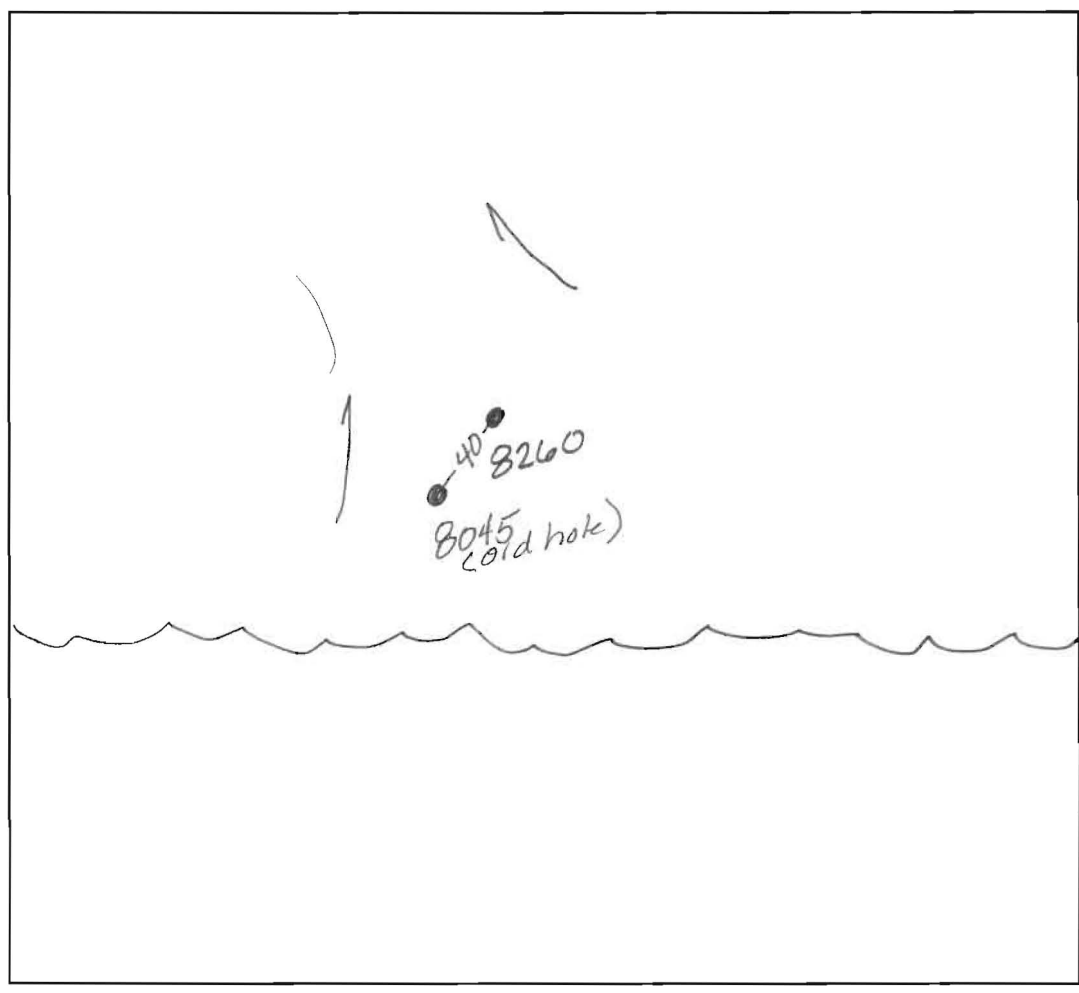
A/P 8260

6" topsoil  
 orange  
 brn  
 CLM

3 1/2" orange  
 brn

Salm  
 100%  
 Rx

14'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
8-16-03	8260	<del>4.5</del> 13'	9:13	9:16	9:16	9:19 <sub>3</sub>	3 1/2 min

REMARKS \_\_\_\_\_

SANITARIAN Amy Haut BACKHOE Tim Feaga OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA 8260 AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

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

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### PROPERTY LOCATION:

SUBDIVISION Matthews Property LOT NO. 15

ROAD AND DESCRIPTION \_\_\_\_\_  
2400 Pfefferkorn Road, West Friendship, MD 21794

TAX MAP NO. 15 PARCEL # 4

SIZE OF LOT 1 acre TYPE OF BLDG. SFD  
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# THIS IS NOT A PERMIT



**REVISED PERCOLATION CERTIFICATION NOTES**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET (OR IF PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS, 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 SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE SHALL NOT BE NECESSARY.
2. TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS (ONE-FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
4. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
5. THE PURPOSE FOR THIS REVISION IS TO ADD TWO ALTERNATE WELL LOCATIONS AND REMOVE WELL BOX.
6. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT NO. 18955. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS ANY RESTRICTIONS, AND PROVISIONS.

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.

*Terrell A. Fisher* 9/13/09  
SIGNATURE OF PROFESSIONAL LAND SURVEYOR DATE  
TERRELL A. FISHER, PROFESSIONAL LAND SURVEYOR NO. 10692

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

*B. Wilson for Peter B. Silen* 9/22/2009  
COUNTY HEALTH OFFICER DATE

- LEGEND**
- EXISTING 2' CONTOURS
  - EXISTING 10' CONTOURS
  - - - - - EXISTING TREE LINE
  - CLB2, MLC2 SOIL LINES AND TYPES
  - DENOTES PROPOSED WELL
  - DENOTES FAILED PERC
  - DENOTES PASSED PERC
  - DENOTES 15%-24.9% SLOPES
  - DENOTES 25% AND GREATER SLOPE

**LEGEND**

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
---	EXISTING SUPER SILT FENCE
---	SUPER SILT FENCE
LOD	LIMITS OF DISTURBANCE
---	WALKOUT BASEMENT
○	EXISTING STREET TREES FROM F-06-110

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT. 1 DAY
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN. 1 DAY
3. CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUB-BASE. 1 DAY
4. INSTALL TEMPORARY SEEDING. 1 DAY
5. CONSTRUCT BUILDINGS. 2 MONTHS
6. FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
7. REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR. 2 DAYS

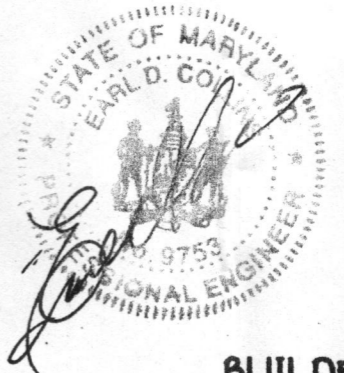
**FISHER, COLLINS & CARTER, INC.**  
ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLSVILLE CITY, MARYLAND 21042  
(410) 461-2955

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED:  
*John R. Polster* 8/23/09  
HOWARD SOIL CONSERVATION DISTRICT DATE

**DEVELOPER'S CERTIFICATE**  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  
*Earl D. Collins* 8/21/09  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATE**  
"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
*Earl D. Collins* 8.21.09  
EARL D. COLLINS DATE

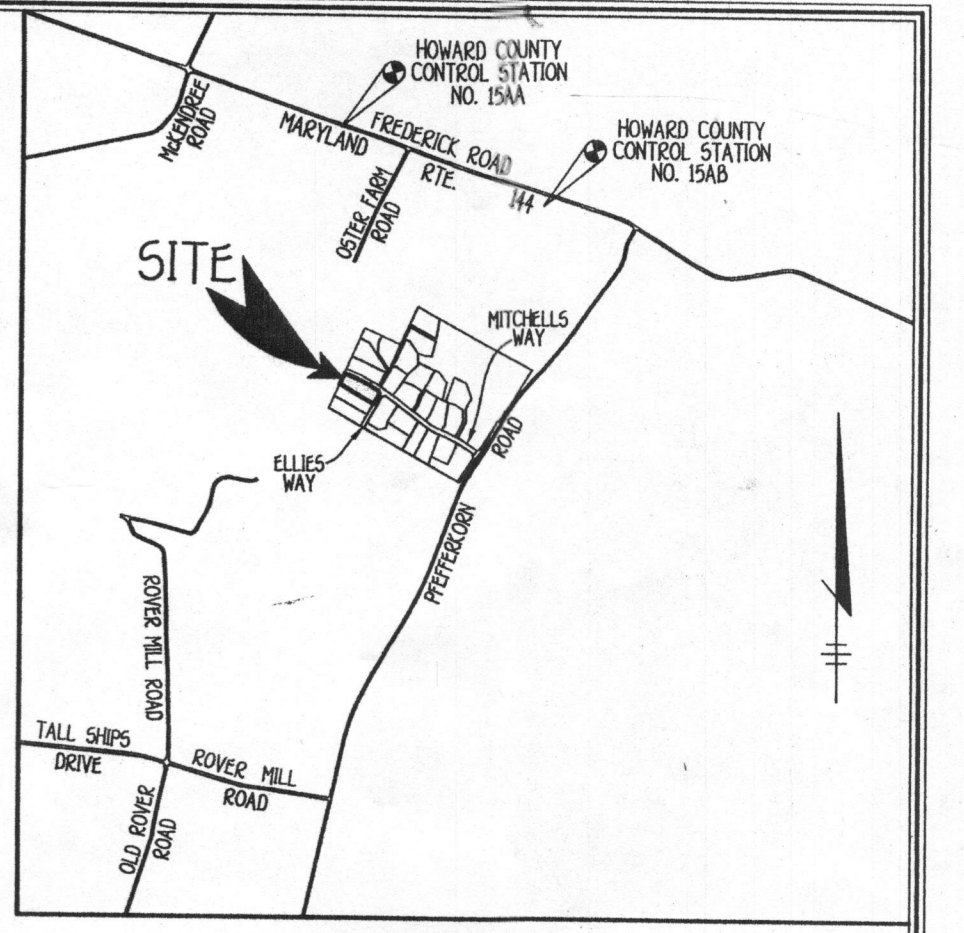
**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9793, EXPIRATION DATE: 2/28/10.  
*Earl D. Collins* 8.21.09  
EARL D. COLLINS DATE



**BUILDER/DEVELOPER**  
CATONVILLE BUILDERS  
11175 STRATFIELD COURT  
MARRIOTTVILLE, MARYLAND 21104  
410-442-2211

**PERC CERTIFICATION, SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL PLAN CLOVERFIELD**

LOT 14  
ZONED: RC-DEO PLAT NO. 18955  
TAX MAP NO.: 15 PARCEL NO.: 4 GRID NO.: B  
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: AUGUST, 2009

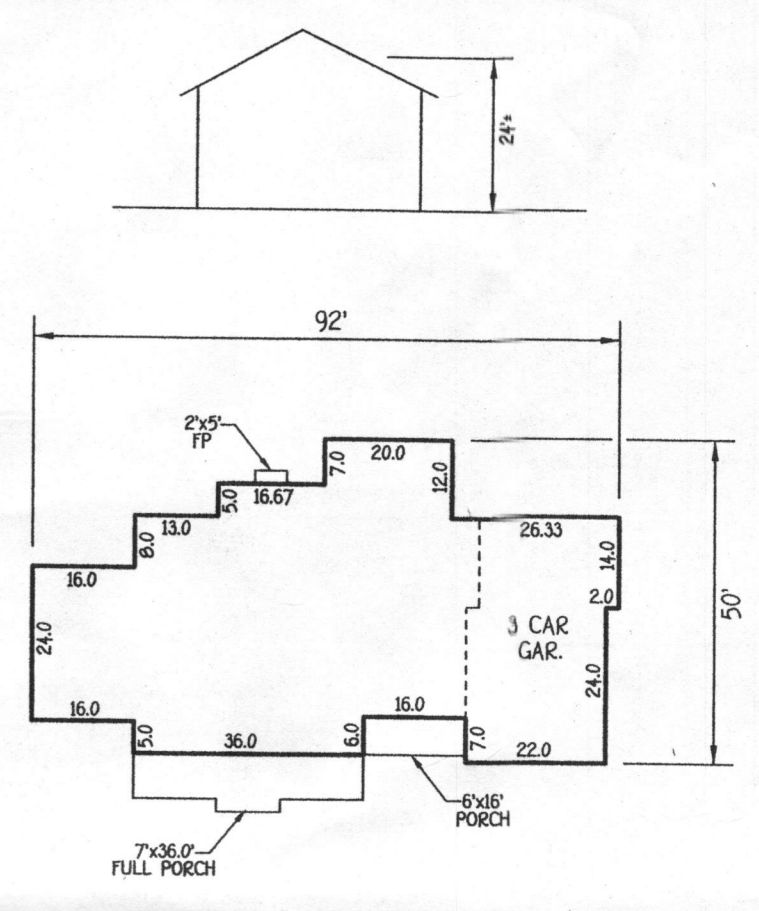


**GENERAL NOTES**

1. SUBJECT PROPERTY ZONED RC-DEO
2. TOTAL AREA OF PROPERTY: 59,160 SQ.FT.
3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. FIELD RUN TOPOGRAPHIC SURVEY DONE BY FISHER, COLLINS & CARTER, INC. ON APRIL, 2002.
7. NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
8. DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-0191.
9. STORMWATER MANAGEMENT IS PROVIDED UNDER F-06-110.

**NOTE**

THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HD 95-0374 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



**CHAPEL HILL**  
SCALE: 1" = 30'



**REVISED PERCOLATION CERTIFICATION NOTES**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET OR, IF PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS, 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 SEWERAGE IS AVAILABLE. THESE AREAS 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 SEWAGE AREA. RECORDED OF A MODIFIED SEWAGE SHALL NOT BE NECESSARY.
2. TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS (ONE-FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
4. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
5. THE PURPOSE FOR THIS REVISION IS TO ADD TWO ALTERNATE WELL LOCATIONS AND REMOVE WELL BOX.
6. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT NO. 18955. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS ANY RESTRICTIONS, AND PROVISIONS.

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: *Terrell A. Fisher* 9/13/09 DATE  
 TERRELL A. FISHER, PROFESSIONAL LAND SURVEYOR NO. 10692

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
 SIGNATURE OF COUNTY HEALTH OFFICER: *Peter Brilewson* 9/22/2009 DATE  
 COUNTY HEALTH OFFICER

- LEGEND**
- EXISTING 2' CONTOURS
  - EXISTING 10' CONTOURS
  - EXISTING TREE LINE
  - SOIL LINES AND TYPES
  - DENOTES PROPOSED WELL
  - DENOTES FAILED PERC
  - DENOTES PASSED PERC
  - DENOTES 154-24.9% SLOPES
  - DENOTES 25% AND GREATER SLOPE

**LEGEND**

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
EX	EXISTING SUPER SILT FENCE
SS	SUPER SILT FENCE
LOD	LIMITS OF DISTURBANCE
WB	WALKOUT BASEMENT
○	EXISTING STREET TREES FROM F-06-110

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT.
  2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN.
  3. CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO FINISH GRADE.
  4. INSTALL TEMPORARY SEEDING.
  5. CONSTRUCT BUILDINGS.
  6. FINISH GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE.
  7. REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR.

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FEE  
 ELKLOTT CITY, MARYLAND 21042  
 410-441-2221

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *John R. Polster* 8/23/09 DATE  
 HOWARD SOIL CONSERVATION DISTRICT

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 SIGNATURE OF DEVELOPER: *Earl D. Collins* 8/21/09 DATE

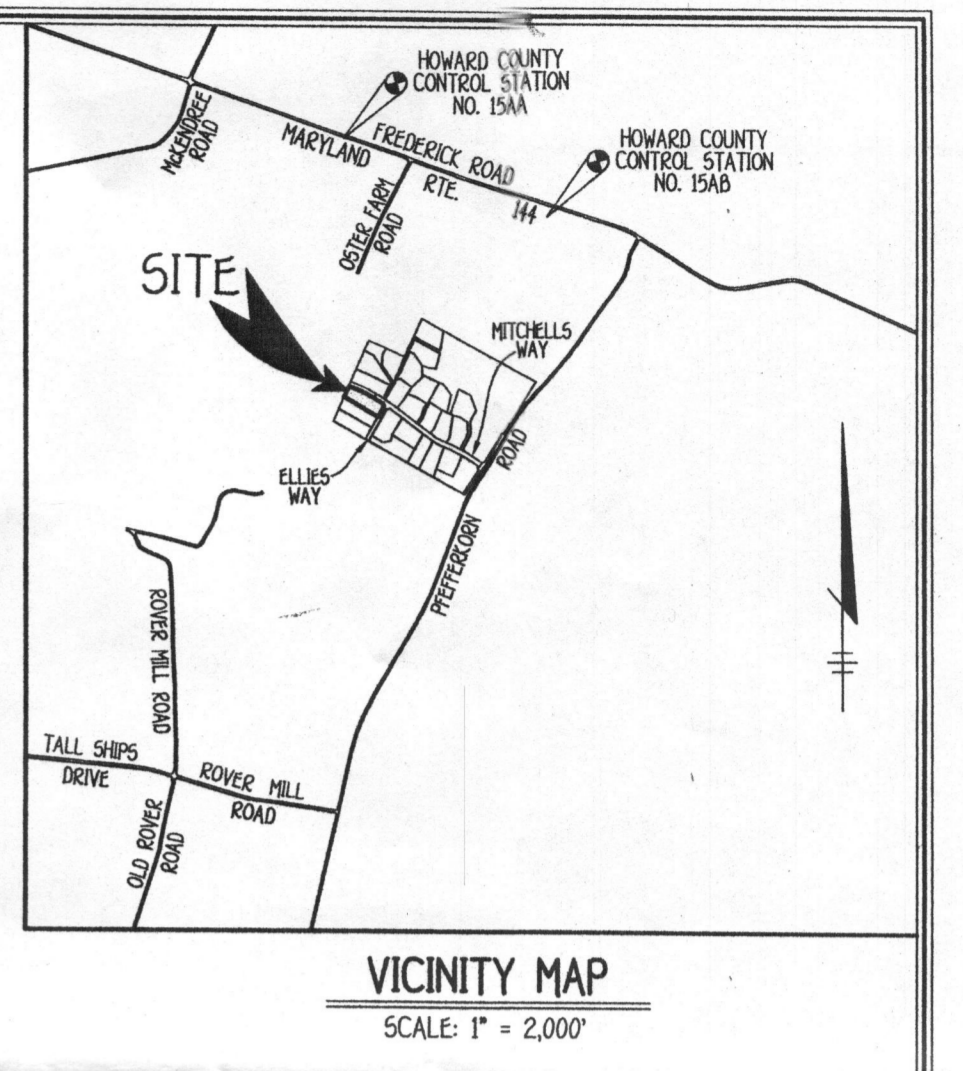
**ENGINEER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 SIGNATURE OF ENGINEER: *Earl D. Collins* 8.21.09 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. 9753, EXPIRATION DATE: 2/28/10.  
 SIGNATURE OF PROFESSIONAL ENGINEER: *Earl D. Collins* 8.21.09 DATE

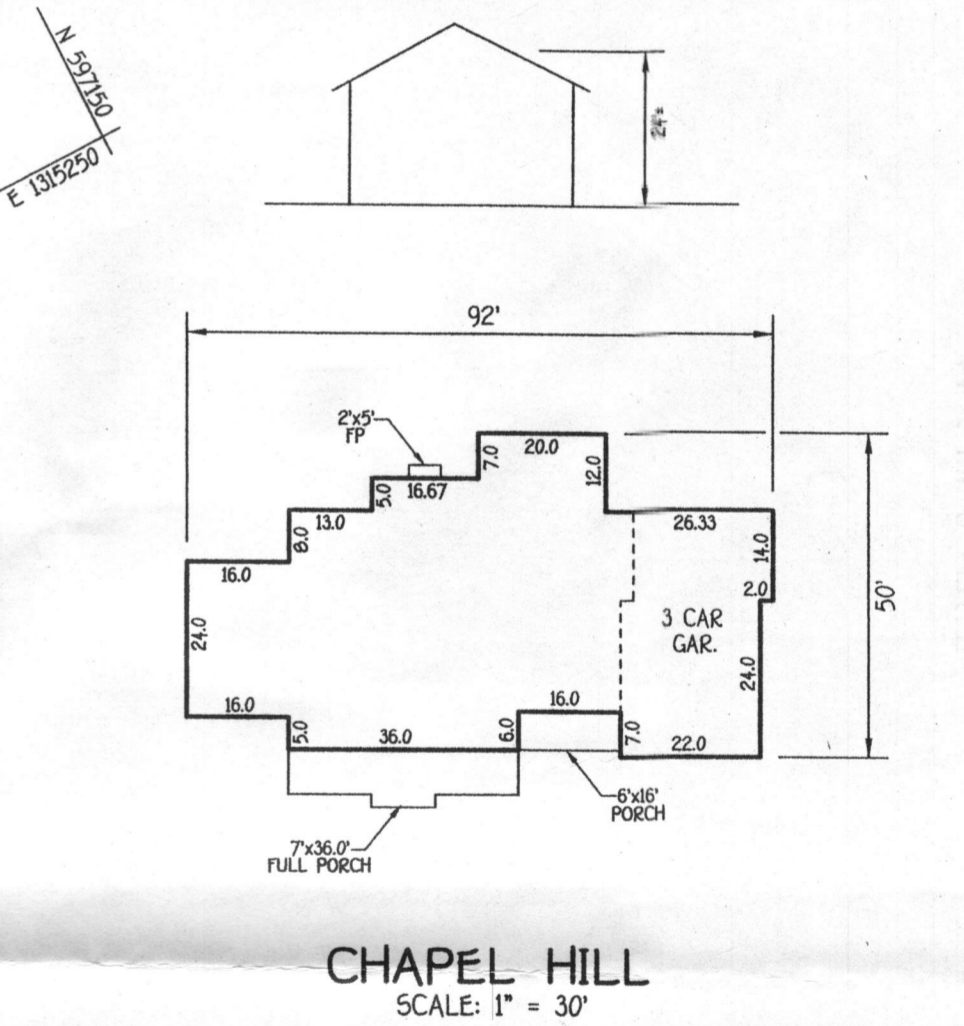


**BUILDER/DEVELOPER**  
 CATONVILLE BUILDERS  
 1175 STRATFIELD COURT  
 MARRIOTTVILLE, MARYLAND 2104  
 410-442-2221

**PERC CERTIFICATION, SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL PLAN CLOVERFIELD LOT 14**  
 ZONED: RC-DEO PLAT NO. 18955  
 TAX MAP NO.: 15 PARCEL NO.: 4 GRID NO.: B  
 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 30' DATE: AUGUST, 2009  
 SHEET 1 OF 2



- GENERAL NOTES**
1. SUBJECT PROPERTY ZONED: RC-DEO
  2. TOTAL AREA OF PROPERTY: 99,160 SQ.FT.
  3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
  4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
  5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
  6. FIELD RUN TOPOGRAPHIC SURVEY DONE BY FISHER, COLLINS & CARTER, INC. ON APRIL, 2002.
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  9. STORMWATER MANAGEMENT IS PROVIDED UNDER F-06-110.
- NOTE**  
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**CHAPEL HILL**  
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