

APPLICATION

PERCOLATION TESTING

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
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
c/o Cloverfield/Pfefferkorn, LLC, 10705 Charter Drive,
ADDRESS 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. 6

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 _____

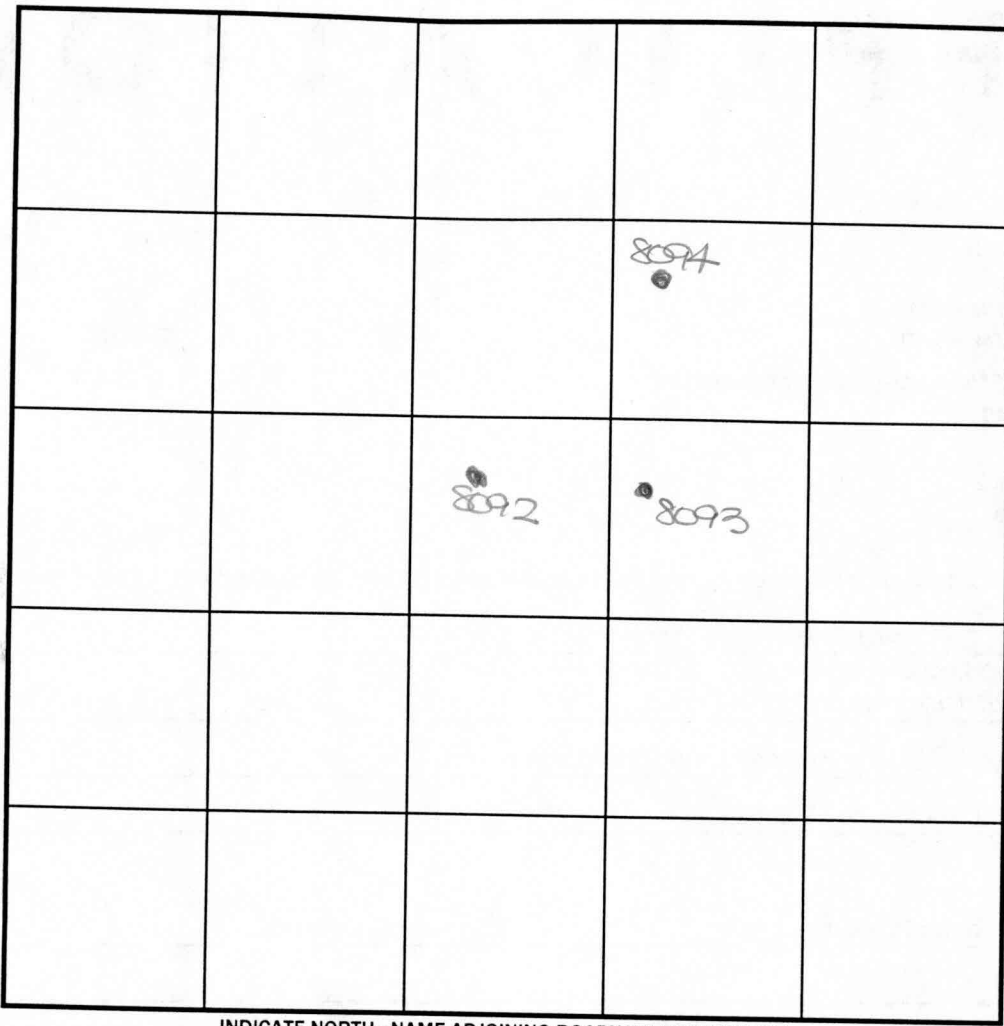
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

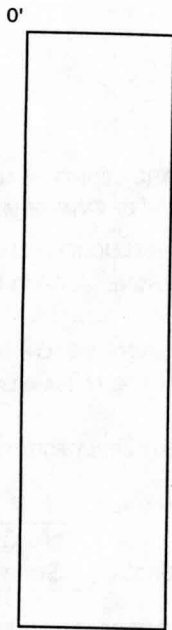
COUNTY #

SOIL PROFILE

0' 8094
 1' topsoil
 red
 brn
 cl lm
 3' ———
 H brn
 si lm
 5-10%
 rock



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

14' 8093
 0' topsoil
 1' org
 brn
 cl lm
 5' ———
 H org
 brn
 si lm
 3' water
 ↓
 4' 8092

1' topsoil
 org
 brn
 cl lm
 * med
 pk brn
 si lm
 5-10%
 rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-10-03	8094	4.0'S	9:48	9:51	9:51	9:54	3
		14'4 D	visual	- see profile			P
	8093	3.5'S	9:23	9:24	9:24	9:27	3
		6.0'M	9:22	9:25	9:25	9:29	4
	* checked * @ 5:50pm	12'3 D	water	- see profile			P
	8092	5.5'S	9:29	9:35	slow		—
		7.0' M	5:50	5:53	5:53	5:57	4
		14.0' D	visual	- see profile			P

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY K. CLARK
 TRENCH DESIGN DATA: AVG. PERCOLATION TIME _____ ALSO PRESENT _____
 INLET DEPTH _____ TRENCH WIDTH _____
 MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

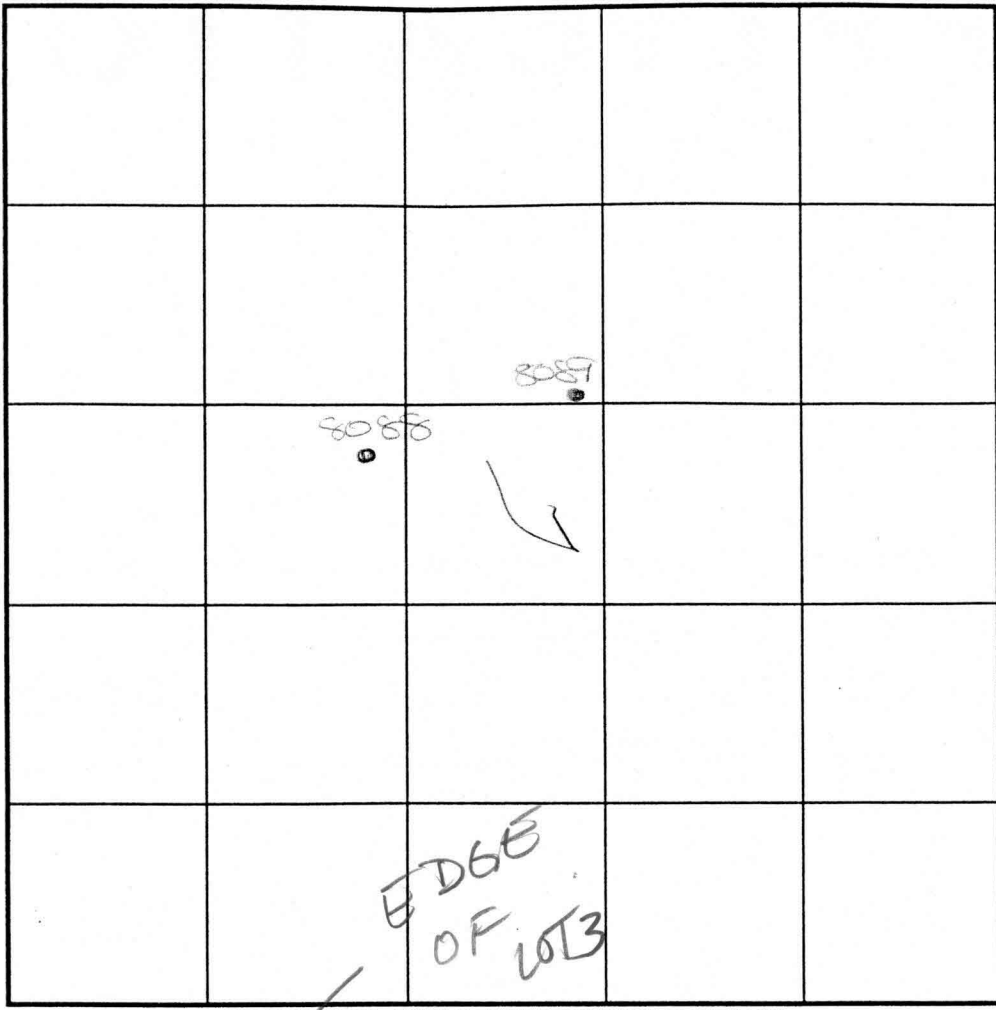
COUNTY #

SOIL PROFILE

0' ~~8089~~
 1' topsoil
 red org cl lm
 2' 2
 pe tan si lm
 2-10% rock
 14'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

14' 0' ~~8088~~
 1' topsoil
 org lm cl lm
 2' 2
 tan si lm
 5-10% rock
 4'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-10-03	8089	4' 0' S	9:56	10:01	10:01	10:12	11
		14.0' D	visual	-see profile			P
	8088	3' 5' S	11:10	11:11	11:11	11:13	2
		14.0' D	visual	-see profile			P

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY K. CLARK ALSO PRESENT _____
 TRENCH DESIGN DATA: AVG. PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

LEGEND

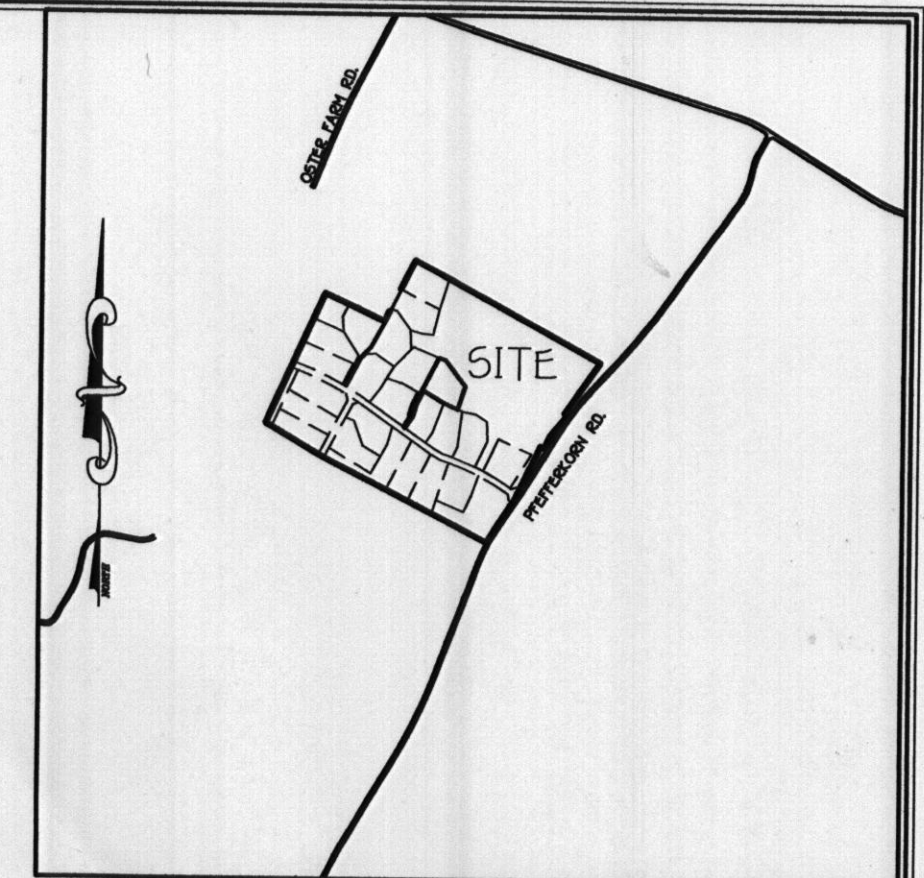
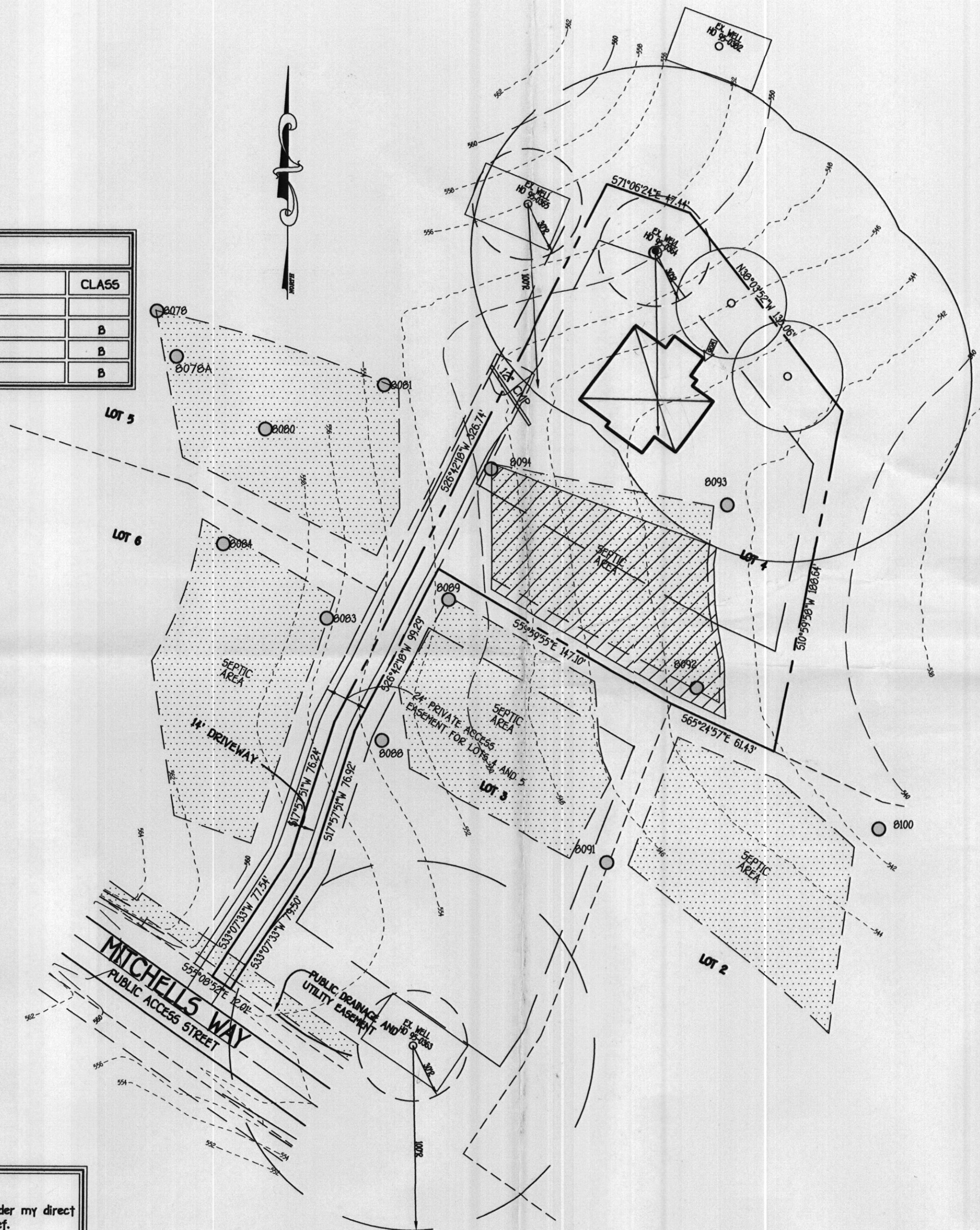
- EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- EXISTING TREE LINE
- GLB2 MLC2 SOIL LINES AND TYPES
- DENOTES EXISTING WELL
- DENOTES PASSED PERC
- ▭ DENOTES PROPOSED HOUSE
- ▨ DENOTES EXISTING PERC AREA
- DENOTES PROPOSED WELL

SOILS LEGEND

SOIL	NAME	CLASS
	Baile silt loam	
GLB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B

NOTES:

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



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 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 ALL REASONABLE EFFORTS.
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.
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

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* Date: 4/20/11
 Terrell A. Fisher, Professional Land Surveyor, No. 10692

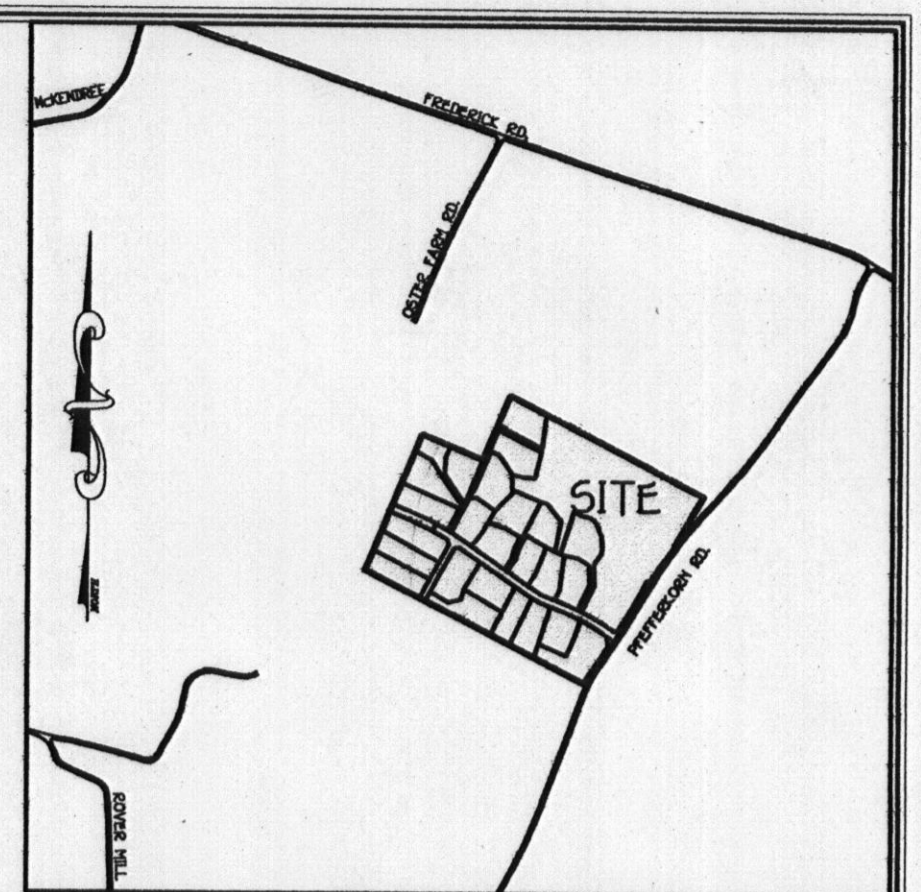
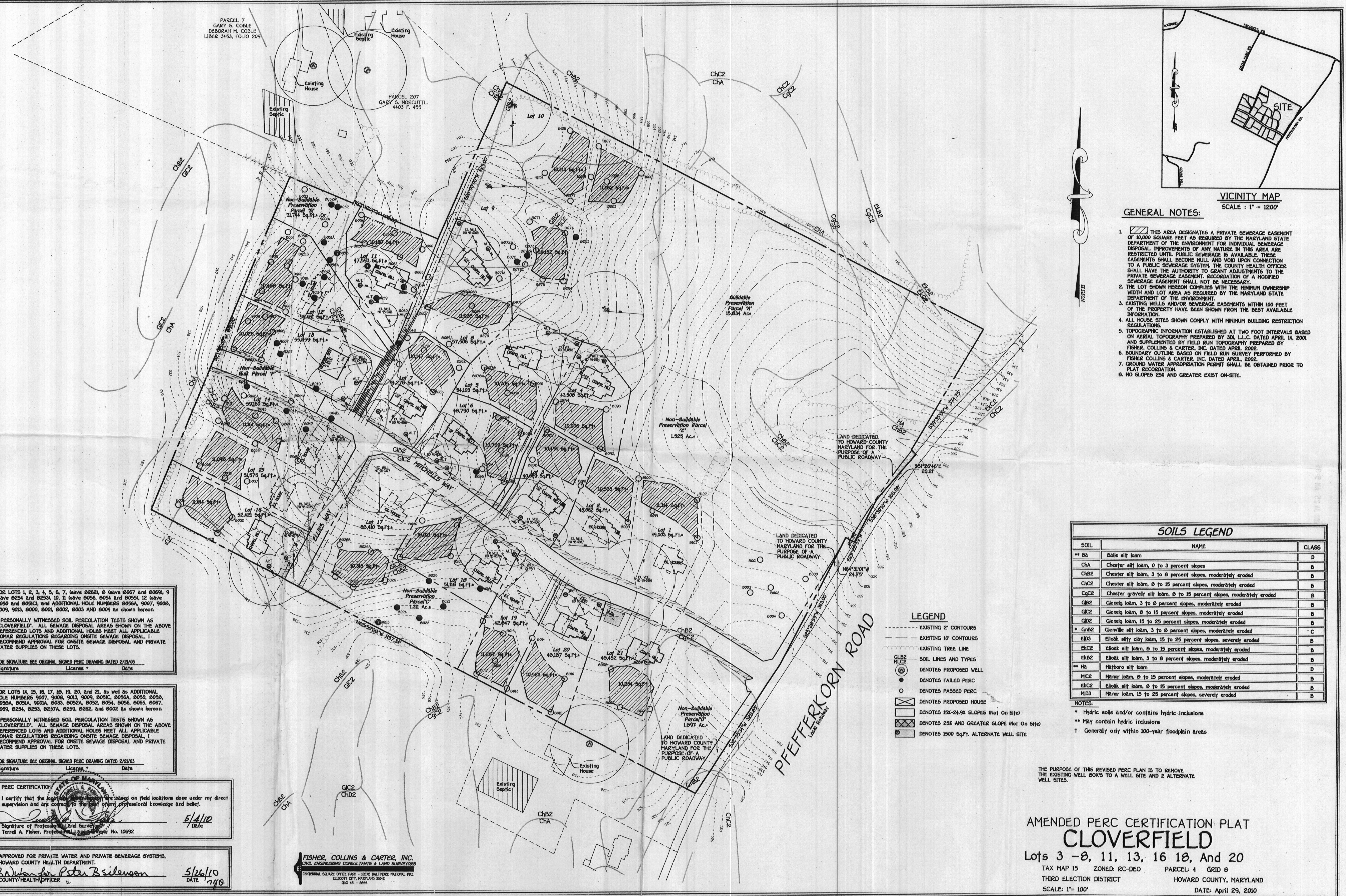
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.

Signature of Peter Bilenson Date: 4/28/2011
 COUNTY HEALTH OFFICER

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 1027 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 481-2250

PERC RECERTIFICATION PLAN
LOT 4
CLOVERFIELD

TAX MAP 15 ZONED: RC-DEO PARCEL: 4 GRID 8
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: APRIL 20, 2011



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES:

- 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.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHIC INFORMATION ESTABLISHED AT TWO FOOT INTERVALS BASED ON AERIAL TOPOGRAPHY PREPARED BY SDI, L.L.C. DATED APRIL 14, 2001 AND SUPPLEMENTED BY FIELD RUN TOPOGRAPHY PREPARED BY FISHER, COLLINS & CARTER, INC. DATED APRIL 2002.
- BOUNDARY OUTLINE BASED ON FIELD RUN SURVEY PERFORMED BY FISHER COLLINS & CARTER, INC. DATED APRIL 2002.
- GROUND WATER APPROPRIATION PERMIT SHALL BE OBTAINED PRIOR TO PLAT RECORDATION.
- NO SLOPES 25% AND GREATER EXIST ON-SITE.

SOIL	NAME	CLASS
** Ba	Baile silt loam	D
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
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
GIB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
GD2	Glenelg loam, 15 to 25 percent slopes, moderately eroded	B
* GrB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
EID3	Elioak silty clay loam, 15 to 25 percent slopes, severely eroded	B
EiC2	Elioak silt loam, 8 to 15 percent slopes, moderately eroded	B
EkB2	Elioak silt loam, 3 to 8 percent slopes, moderately eroded	B
** Hb	Hatboro silt loam	D
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B
EiC2	Elioak silt loam, 8 to 15 percent slopes, moderately eroded	B
MID3	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

- LEGEND
- EXISTING 2' CONTOURS
 - EXISTING 10' CONTOURS
 - EXISTING TREE LINE
 - SOIL LINES AND TYPES
 - ⊙ DENOTES PROPOSED WELL
 - DENOTES FAILED PERC
 - DENOTES PASSED PERC
 - ⊠ DENOTES PROPOSED HOUSE
 - ⊠ DENOTES 15%-24.9% SLOPES (Not On Site)
 - ⊠ DENOTES 25% AND GREATER SLOPE (Not On Site)
 - ⊠ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

THE PURPOSE OF THIS REVISED PERC PLAN IS TO REMOVE THE EXISTING WELL BOX'S TO A WELL SITE AND 2 ALTERNATE WELL SITES.

FOR LOTS 1, 2, 3, 4, 5, 6, 7, (leave #262), 8 (leave #067 and #069), 9 (leave #254 and #253), 10, 11 (leave #056, #054 and #055), 12 (leave #050 and #051), and ADDITIONAL HOLE NUMBERS #056A, #007, #008, #009, #013, #000, #001, #002, #003 AND #004 as shown hereon.
 I PERSONALLY WITNESSED SOIL PERCOLATION TESTS SHOWN AS "CLOVERFIELD". ALL SEWAGE DISPOSAL AREAS SHOWN ON THE ABOVE REFERENCED LOTS AND ADDITIONAL HOLES MEET ALL APPLICABLE COMAR REGULATIONS REGARDING ONSITE SEWAGE DISPOSAL. I RECOMMEND APPROVAL FOR ONSITE SEWAGE DISPOSAL AND PRIVATE WATER SUPPLIES ON THESE LOTS.
 FOR SIGNATURE SEE ORIGINAL SIGNED PERC DRAWING DATED 2/21/03
 Signature _____ License # _____ Date _____

FOR LOTS 14, 15, 16, 17, 18, 19, 20, and 21, as well as ADDITIONAL HOLE NUMBERS #007, #008, #013, #009, #051C, #056A, #050, #059, #026A, #051A, #001A, #033, #052A, #052, #054, #056, #065, #067, #069, #254, #253, #257A, #259, #262, and #002 as shown hereon.
 I PERSONALLY WITNESSED SOIL PERCOLATION TESTS SHOWN AS "CLOVERFIELD". ALL SEWAGE DISPOSAL AREAS SHOWN ON THE ABOVE REFERENCED LOTS AND ADDITIONAL HOLES MEET ALL APPLICABLE COMAR REGULATIONS REGARDING ONSITE SEWAGE DISPOSAL. I RECOMMEND APPROVAL FOR ONSITE SEWAGE DISPOSAL AND PRIVATE WATER SUPPLIES ON THESE LOTS.
 FOR SIGNATURE SEE ORIGINAL SIGNED PERC DRAWING DATED 2/21/03
 Signature _____ License # _____ Date _____

PERC CERTIFICATION
 I certify that the topographic information shown on this plan is 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: *Terril A. Fisher*
 Date: 5/4/10
 Terril A. Fisher, Professional Land Surveyor No. 10692

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 Signature of Health Officer: *R. Wilson*
 Date: 5/26/10
 COUNTY HEALTH OFFICER

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - SUITE 2072 MIDDLEBURY NATIONAL PIKE
 ELLSWORTH CITY, MARYLAND 20622
 4100 481 - 2895

AMENDED PERC CERTIFICATION PLAT
CLOVERFIELD
 Lots 3 - 8, 11, 13, 16, 18, And 20
 TAX MAP 15 ZONED: RC-DEO PARCEL: 4 GRID: 8
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' DATE: April 29, 2010