

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

05-360129

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 4 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) TROY AND EMILY DRAKE

DAYTIME PHONE _____ CELL 410 984 7296 FAX 301 421 9051

MAILING ADDRESS 5401 GREEN BRIDGE RD DAYTON MO 21036
STREET CITY/TOWN STATE ZIP

APPLICANT STEVENS BUILDERS

DAYTIME PHONE 410 984 7296 CELL 410 984 7296 FAX 301 421 9051

MAILING ADDRESS 3905 NATIONAL DR BURTONSVILLE MO 20866
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME LOT 1 TRIANGLEPHIA MILL C GREENBRIDGE LOT NO. 1

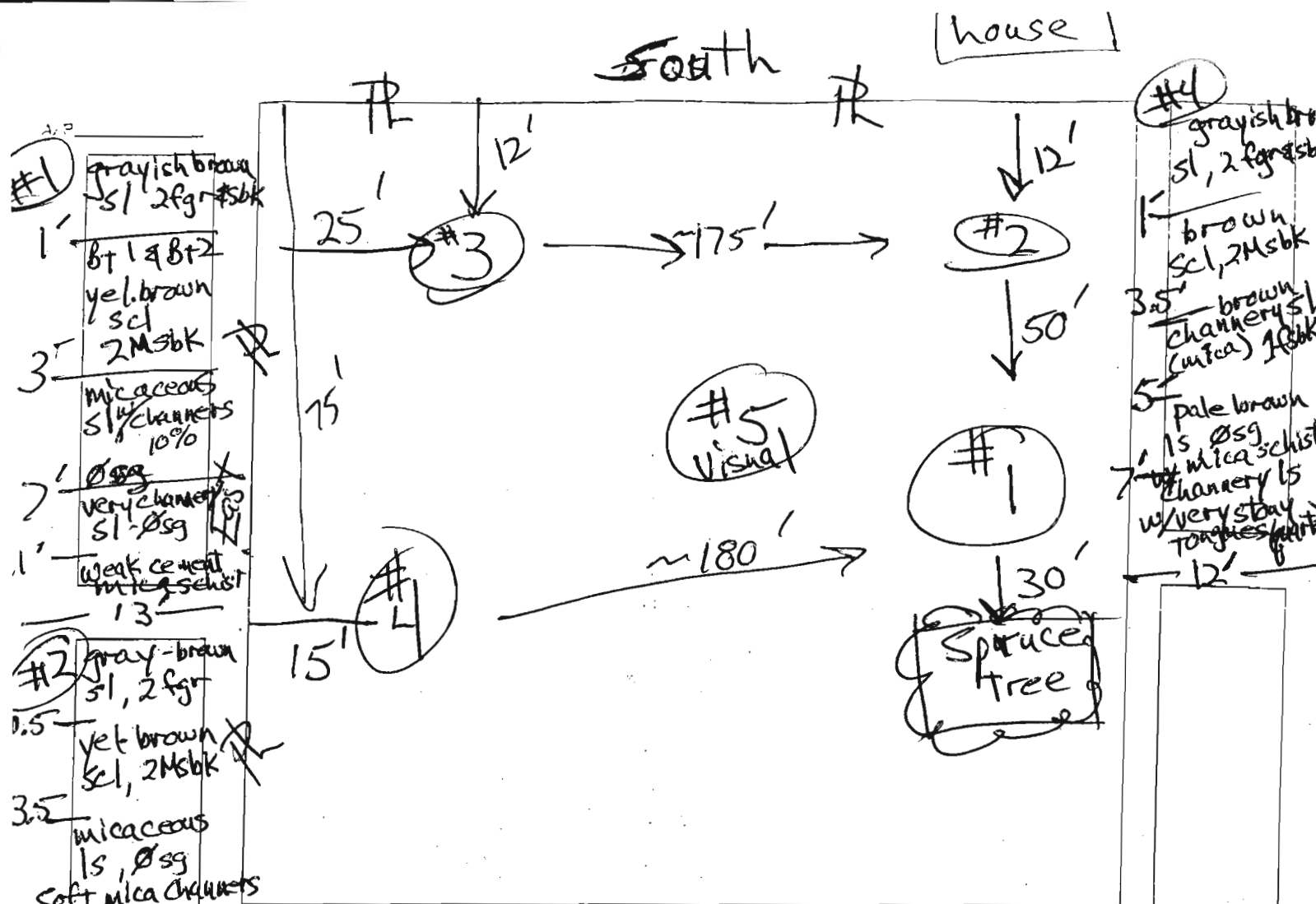
PROPERTY ADDRESS 14050 TRIANGLEPHIA MILL RD
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 27 GRID 24 PARCEL(S) 115 PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.


SIGNATURE OF APPLICANT



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
8/29	1	4.5' / 13'	0	1:30	3:40	2:10	P
8/29	2	5' / 12'	0	0:40	1:50	1:10	F
8/29	rewet	5' / 12'	0	1:17	2:47	1:30	F
8/29	2	4' / 12'	0	0:55	2:25	1:30	-
8/29	rewet	4' / 12'	0	1:40	3:50	2:10	P
8/29	3	4' / 12'	0	7:00	19:00	12:00	P
8/29	4	4' / 12'	0	2:20	5:30	3:10	P
8/29	5	To 12'	Visual	OK; sim to #1/#2			P

REMARKS Tests rewetted were affected by root channels.

SANITARIAN Robert Bricker

BACKHOE Skip

OTHERS Mark Stevens, Gary Beale

TEST HOLES USED IN SOA 3, 4, 2

AVG. PERC TIME 5 min

SQ. FT/BR 0.5

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

September 5, 2006

Troy and Emily Drake
5401 Green Bridge Rd.
Dayton, Maryland 21036

RE: PERCOLATION TEST RESULTS, A-525212

Dear Mr. & Mrs. Drake,

Percolation testing conducted August 29, 2006 on the referenced property indicated satisfactory soil conditions. A copy of the Percolation Test Results worksheet is enclosed with this letter. Please note that the recommended depth of trench and usable sidewall for septic system design shown on the worksheet are based on observed soil properties and characteristics at this location as well as the particular soil material tested. For calculating the total trench length, the number of bedrooms in the proposed residence is also included.

Prior to testing the area designated as the proposed SDA in the Percolation Test Plan, several holes were dug and the soil was determined to be a wet season soil having an observable water table ranging in depth from 7 to 10 feet. Therefore, five test holes were dug for observation and four percolation tests were conducted in the vicinity of a sewage easement initially designated several decades ago.

A 1250-gallon septic tank (minimum volume) is required for the proposed 4 bedroom residence. If bedrooms are added in the future, a 1500-gallon septic tank will be required. Factors for system design are shown on Percolation Test Results worksheet. Total linear length of trench (3-feet wide) required for the proposed 4-bedroom residence is 240 feet. Depth of inlet is to be 2 feet, and depth of trench bottom is to be 4 feet.

A well is to be drilled on the subject property, and may be down gradient from an existing septic system on the neighboring property. The location of the neighboring septic system may be required on the Percolation Certification Plan (see note #16 below). Subsequently, protective measures may be required in well construction.

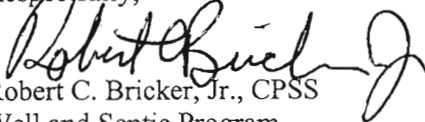
Regarding current status of testing and results for the subject property at 14050 Triadelphia Mill Road, further review is contingent upon submission by a registered engineer/surveyor of a Percolation Certification Plan that includes the following items:

1. Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, etc.
2. Name, address and telephone number of each owner, developer and the plan author.
3. The date the plan was drawn, the plan scale (1:30 – 1:100), a scaled vicinity map and, if not a Preliminary Plan, the A # (percolation test fee receipt number, referenced in the HCHD correspondence).
4. Health Officer signature block conditioned with the statement, "Approved for private water and private sewerage systems".
5. Existing and proposed property lines.
6. All excavated test holes observed by HCHD inspector, identified according to the original percolation testing proposal, or as otherwise identified at the time of testing; staked holes not dug should not be shown.

7. **Actual** surveyed elevation (not based on County Aerial topography) of each test hole.
8. Legend symbols to distinguish holes, which passed, failed, or were held for re-review (e.g., for wet season).
9. Legend symbols to distinguish between existing holes previously documented and new holes.
10. Proposed minimum 10,000 sq. ft. SDA for each lot that does not encroach upon any setback described by regulation.
11. A table detailing maximum number of bedrooms, total SDA area in square feet, average perc time, and number of square feet of septic capacity per bedroom. **(10,000 ft. requirement not applicable if lot(s) were created before March 1972)**
12. Field verified (field run) topography at 2-foot vertical intervals and statement certifying filed verification of topographic features.
13. Existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes. Description of use and intent designated for each item, e.g. 'to remain' or 'remove'.
14. Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries.
15. Proposed structure footprint, or suitable house site (55' x 70'), with Building Restriction Lines as determined by other County agencies.
16. All existing wells and proposed wells that are down gradient and within 200 feet of existing or proposed septic systems (including SDAs), and the existing or proposed septic systems' locations (including SDAs).
17. All existing wells, septic systems and sewage disposal easements within 100 feet of property boundaries and a certification note stating that all are shown.
18. Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
19. For this lot created after March 1972, the following statement shall be included on the Percolation Certification Plan: "This area designates a private sewage easement of at least 10,000 square feet as required by Maryland Department of Environment for individual sewage disposal. Improvements of any nature in the designated area are restricted. This easement shall become null and void upon connection to a public sewage system. The County Health Officer shall have authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary."
20. If adjustment of previously approved SDA, show area gained, area lost, and final SDA; calculate square footage for each; and shade any area to be abandoned differently than any new SDA to be established.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

Respectfully,


Robert C. Bricker, Jr., CPSS
Well and Septic Program
Development Coordination Section

Enclosure

Cc: Mark Stevens
File



HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia Maryland 21046
(410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

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

October 10, 2006

MEMORANDUM

TO: Tony Fertitta
Fisher, Collins & Carter, Inc.

FROM: Robert C. Bricker, CPSS
Bureau of Environmental Health
Well and Septic Program

RE: Percolation Certification Plan
14050 Triadelphia Mill Road, A-525212
Map 27, Grid 24, Parcel 115 (new construction)

SHOW NRCS 2003 soil map units 10/11/06

Tony, I have reviewed the Percolation Certification Plan that was submitted for the subject property on October 5, 2006. There are several items that need to be corrected. I have photocopied segments of the plat on which I wrote comments and am sending those 4 representations with this memo. Following are items that need to be corrected and/or are depicted.

1. In the Legend, a couple of items may be deleted, but please add symbols for the subject property's line and the fences.
2. Designate (with a ray) and label both the 100-foot setback and the 200-foot setback for the well box on the subject property.
3. Adjust the septic easement area as shown. The south boundary being 10 feet off of the fence that is near the property line, and the southeast corner being 25 feet off of the east property line.
4. Correct the SDA Total Area in the table (as needed).
5. Correct the labels for Percolation Tests 3, 4 and 5. Perc test 3 is at the southeast corner of SDA, 4 is at the northeast corner of SDA, and 5 is in the center.
6. Correct the elevation at the perc test 3 (southeast corner SDA). I don't believe it is 450.91.
7. Finally a more minor detail: see references to dates in Notes 7 and 8, and in the Title block.

Please contact me at 410-313-2691 with any question you may have concerning these contents.

ENCLOSURES
CC: file

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

September 5, 2006

Troy and Emily Drake
5401 Green Bridge Rd.
Dayton, Maryland 21036

RE: PERCOLATION TEST RESULTS, A-525212

Dear Mr. & Mrs. Drake,

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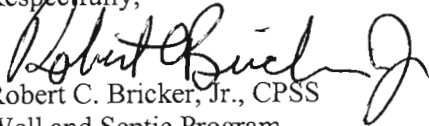
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3. The date the plan was drawn, the plan scale (1:30 – 1:100), a scaled vicinity map and, if not a Preliminary Plan, the A # (percolation test fee receipt number, referenced in the HCHD correspondence).
4. Health Officer signature block conditioned with the statement, "Approved for private water and private sewerage systems".
5. Existing and proposed property lines.
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Respectfully,



Robert C. Bricker, Jr., CPSS
Well and Septic Program
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Penny E. Borenstein, M.D., M.P.H., County Health Officer

August 17, 2006

MEMORANDUM

TO: Stevens Builders
ATTN: Mark Stevens
3905 National Dr.
Burtonsville, MD 20866

FROM: Robert C. Bricker, CPSS
Bureau of Environmental Health
Well and Septic Program

RE: Percolation Test Plan
14050 Triadelphia Mill Road, A-525212
Map 27, Grid 24, Parcel 115 (new construction)

This communication is to advise you of the Howard County requirements for Percolation Test Applications, and specific details regarding the proposed plan for 14050 Triadelphia Mill Road drawn by Fisher, Collins and Carter, Inc., and submitted on August 7, 2006. No records have been found in this office that would indicate any Sewage Disposal Area (SDA) being previously defined and/or platted for the subject property. (A record was found concerning the repair of a septic system at the residence on Parcel 81, 5401 Green Bridge Road.) It is understood that the current application submitted by you is for new construction on Parcel 115 (RE: lot) where there is not an existing residence. Therefore, an SDA meeting current requirements must be located and defined.

The area of an SDA must be at least 10,000 sq. ft. and be of sufficient size to accommodate three septic drainfields, 1 primary system and two replacements. None of this area may lie within setbacks described by COMAR 26.04.02.05. Typically, five 'Passing' perc tests define an SDA, one at or near four corners (or boundaries) and one in the center. The investigating sanitarian may require more based on interpretation of observed soil conditions, or if there is too much space between the perc tests.

The area where the SDA is located on your proposal appears as most appropriate for the location of the property. With this memo I am sending a list of setback requirements that must be observed. Also I am sending a two-page document describing Subdivision Percolation Requirements that largely apply to the subject property as well. Please review these documents and use them to further develop your Percolation Test Plan.

In addition to properly defining a proposed SDA, I have identified the following specific items that must be addressed:

- 1) Three (3) well sites with 100-foot setback for each, or 1500 sq. ft. of well zone (i.e. 30' x 50') with elliptical radius of 100' around the entire zone.
- 2) Show locations of existing wells and/or septic systems on neighboring parcels that are within 100' of the subject property boundaries.
- 3) Show soil boundaries and soil types. Preferably, use the new soil survey available on the Howard County GIS, <http://gisntserver/Gisonline/MainPage2002.asp> or the USDA-NRCS WebSoilSurvey, <http://websoilsurvey.nrcs.usda.gov/app/>.
- 4) Show all easements in their entirety.
- 5) Provide an area map showing the location of the subject property in reference to Triadelphia Lake, and which includes a 2500-foot buffer line from the normal water level of the lake.

Please re-submit your Percolation Test Plan that incorporates the corrections that are necessary and that are reasonably achievable at this time.

If you have any questions concerning these comments please call 410-313-2691.

ENCLOSURES

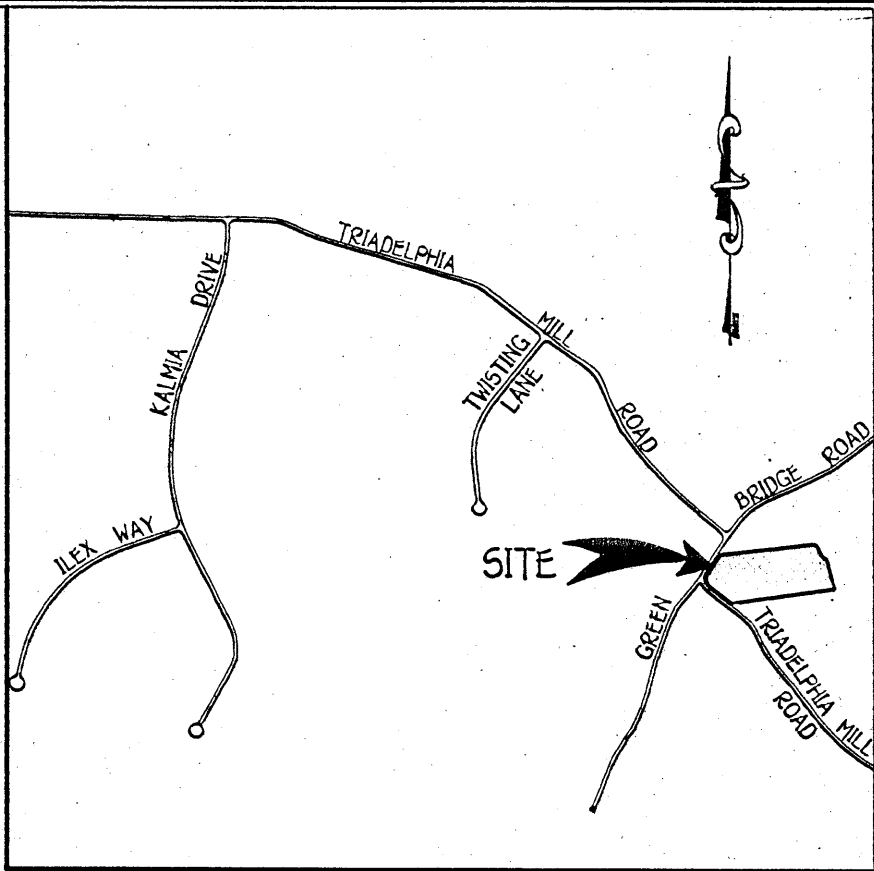
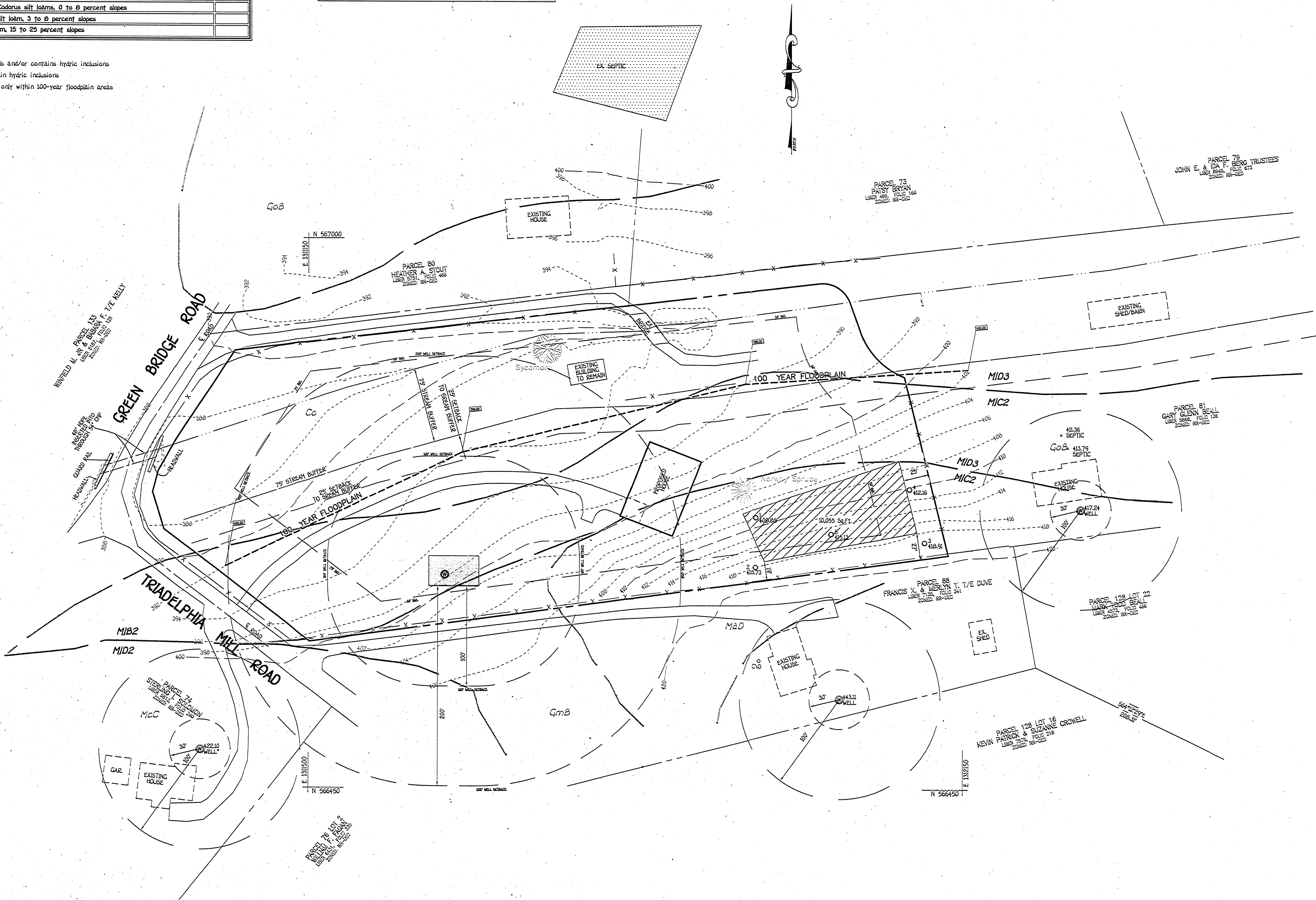
CC: file

SOILS LEGEND		
SOIL	NAME	CLASS
Co	Codonus and Hattboro silt loams, 0 to 3 percent slopes	C
GoB	Glenville-Codonus silt loams, 0 to 8 percent slopes	
GmB	Glenville silt loam, 3 to 8 percent slopes	
MaD	Manor loam, 15 to 25 percent slopes	

NOTES:

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

SEPTIC TRENCH DESIGN CHART				
PARCEL NO.	NUMBER OF BEDROOMS	TOTAL SEPTIC RESERVE	AVERAGE TIME	SQFT. PER BEDROOM
115	4	10,086 Sq.Ft	5 MIN	180 LF



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES:

- 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. RECONSTRUCTION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- 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.
- ALL WELLS SHALL BE DRILLED PRIOR TO BUILDING PERMIT ISSUANCE.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER COLLINS AND CARTER, INC. IN MAY, 2006.
- BOUNDARY OUTLINE BASED ON AFIELD SURVEY BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006.
- DEED REFERENCE LIBER 6038 FOLIO 627.
- ALL LOT LINES ARE EXISTING, NONE ARE PROPOSED.
- THIS LOT LIES WITHIN THE 2500' NORMAL WATER LEVEL BUFFER ZONE OF TRIADELPHIA RESERVOIR.
- THE WELL SHALL BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.

LEGEND

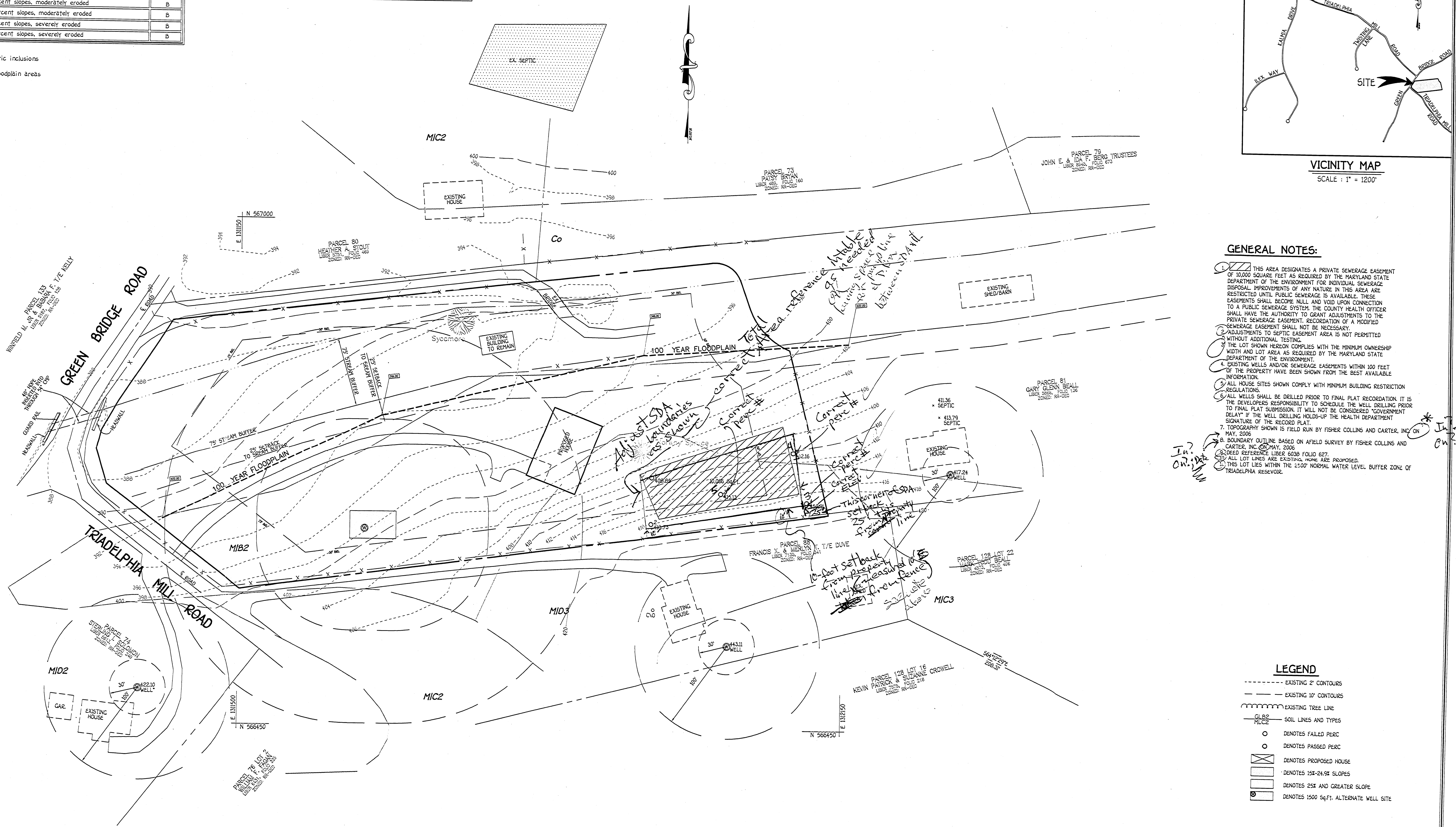
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- PASSED PERCOLATION TEST HOLE
- DENOTES PROPOSED HOUSE
- DENOTES 15%-24.9% SLOPES
- DENOTES 25% AND GREATER SLOPE
- DENOTES 1500 SQ.FT. ALTERNATE WELL SITE
- EXISTING FENCE
- SUBJECT PROPERTY LINE

Purpose Note:
The Purpose Of This Plan Is To Create A New Perc Ared.

SOILS LEGEND		
SOIL	NAME	CLASS
*Co	Codorus silt loam	C
MB2	Manor loam, 3 to 8 percent slopes, moderately eroded	B
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MIC3	Manor loam, 8 to 15 percent slopes, severely 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

SEPTIC TRENCH DESIGN CHART				
PARCEL NO.	NUMBER OF BEDROOMS	TOTAL SEPTIC RESERVE	AVERAGE TIME	SQ.FT. PER BEDROOM
115	4	10,086 SQ.FT.	5 MIN	160



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.
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- 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.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORDED PLAT.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006.
- BOUNDARY OUTLINE BASED ON AFIELD SURVEY BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006.
- DEED REFERENCE LIBER 6036 FOLIO 627.
- ALL LOT LINES ARE EXISTING, NONE ARE PROPOSED.
- THIS LOT LIES WITHIN THE 2500' NORMAL WATER LEVEL BUFFER ZONE OF TRIADELPHIA RESERVOIR.

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES PROPOSED HOUSE
- DENOTES 15%+24% SLOPES
- DENOTES 25%+ GREATER SLOPE
- DENOTES 1500 SQ.FT. ALTERNATE WELL SITE

PERC CERTIFICATION
 I certify that the location of the proposed septic system 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
 Terrell A. Fisher, Professional Land Surveyor No. 10692
 Date: 10/27/06

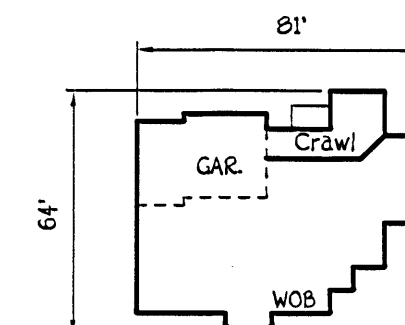
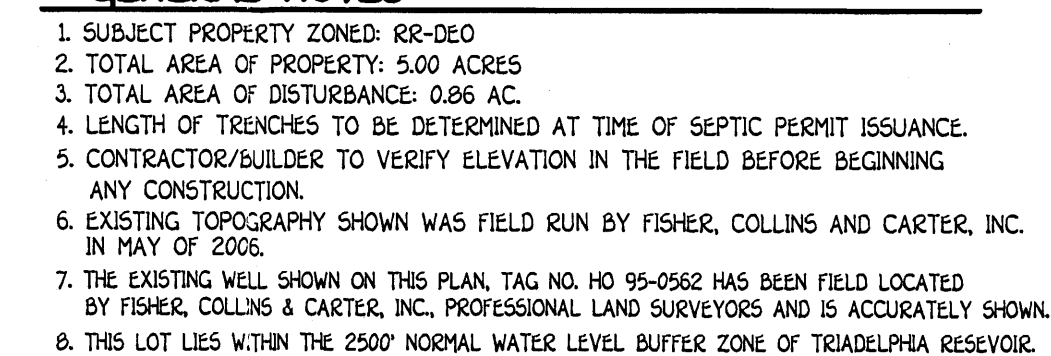
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER _____ Date _____

OWNER/DEVELOPER
 GARY G. BEALL
 5401 GREEN BRIDGE ROAD
 DAYTON, MARYLAND 21035

PERC CERTIFICATION PLAN
 14050 TRIADELPHIA MILL ROAD
 TAX MAP NO: 27 ZONED: RR-DEO PARCEL NO: 115
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: OCTOBER, 2006
 A-525212 SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELIJAH CITY, MARYLAND 21042
 (410) 461-2855

WINFIELD M. JR & BARBARA F. TVE KELLY
PARCEL 133
LIBER 5187, FOLIO 128
ZONED: RR-DEC



TYPICAL HOUSE

NOTE: ALL PVC SHOULD BE A MINIMUM
OF TWO FEET BELOW GRADE.

GARY G. BEALL
5401 GREEN BRIDGE ROAD
DAYTON, MARYLAND 21038

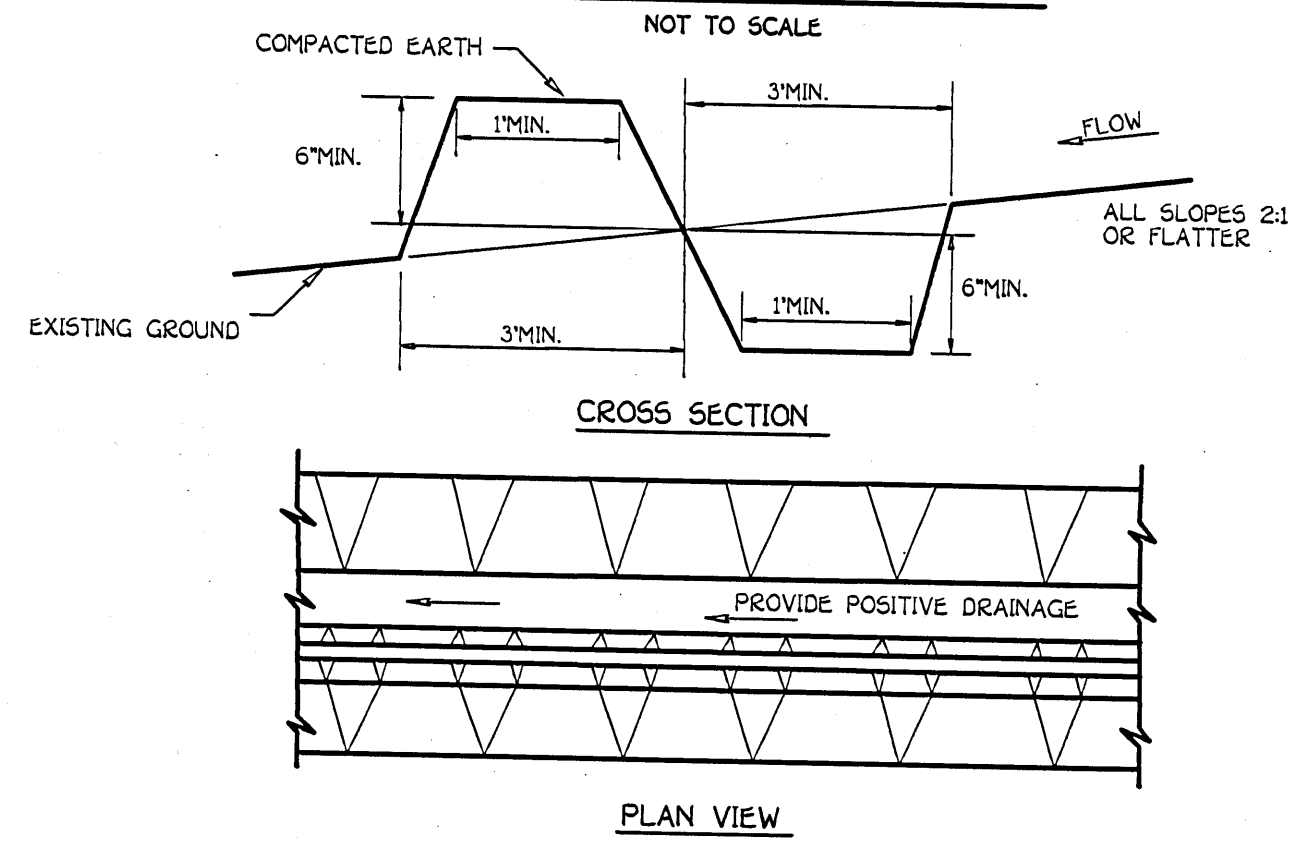
STEVENS BUILDERS
3905 NATIONAL DRIVE
BURTONSVILLE, MARYLAND 20866

PARCEL 115
14050 TRIADELPHIA MILL ROAD

TAX MAP NO.: 27 ZONED: RR-DEO
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: OCTOBER, 2006

SHEET 1 OF 2

PERIMETER DIKE / SWALE



STABILIZATION

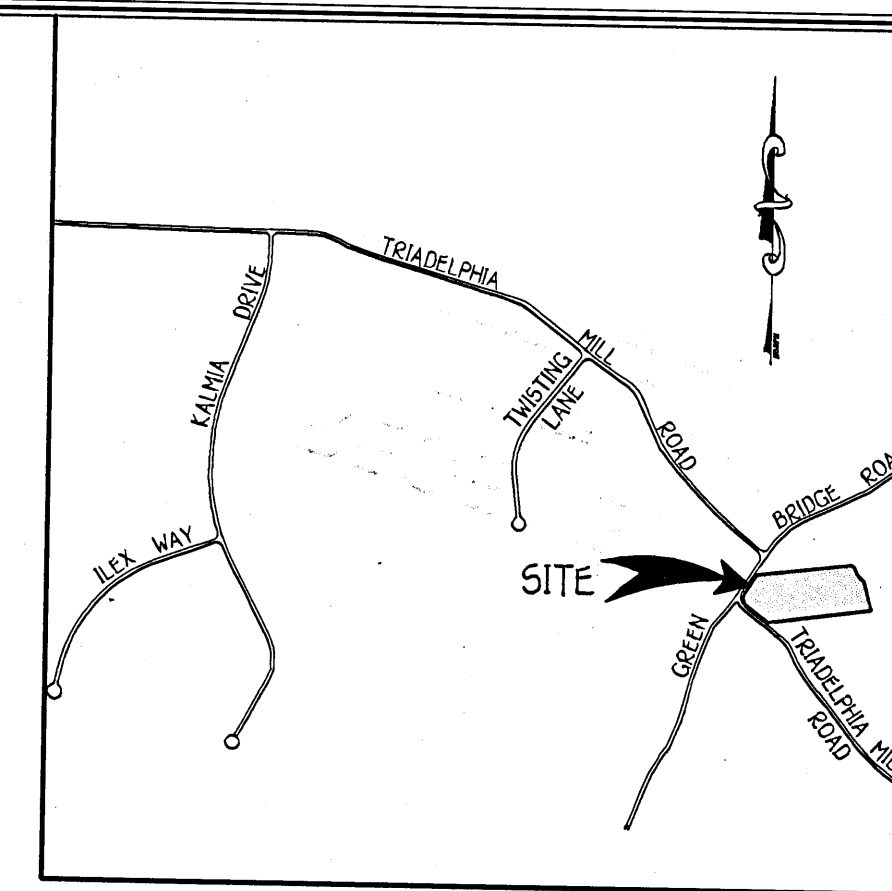
PD/S-1 SEED AND MULCH (DRAINING \leq 1 ACRE)
PD/S-2 SEED AND COVER WITH SOIL
STABILIZATION MATTING OR
LINE WITH SOD (DRAINING BETWEEN 1 AND 2 ACRES)

Construction Specifications

1. All perimeter dike/swales shall have an uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
2. Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
3. Runoff diverted from an undisturbed area shall outlet into an undisturbed stabilized area at a non-erosive velocity.
4. The swale shall be excavated or shaped to line, grade, and cross-section as required to meet the criteria specified in the standard.
5. Fill shall be compacted by earth moving equipment.
6. Stabilization with seed and mulch or as specified of the area disturbed by the dike and swale shall be completed within 7 days upon removal.
7. Inspection and required maintenance shall be provided after each rain event.

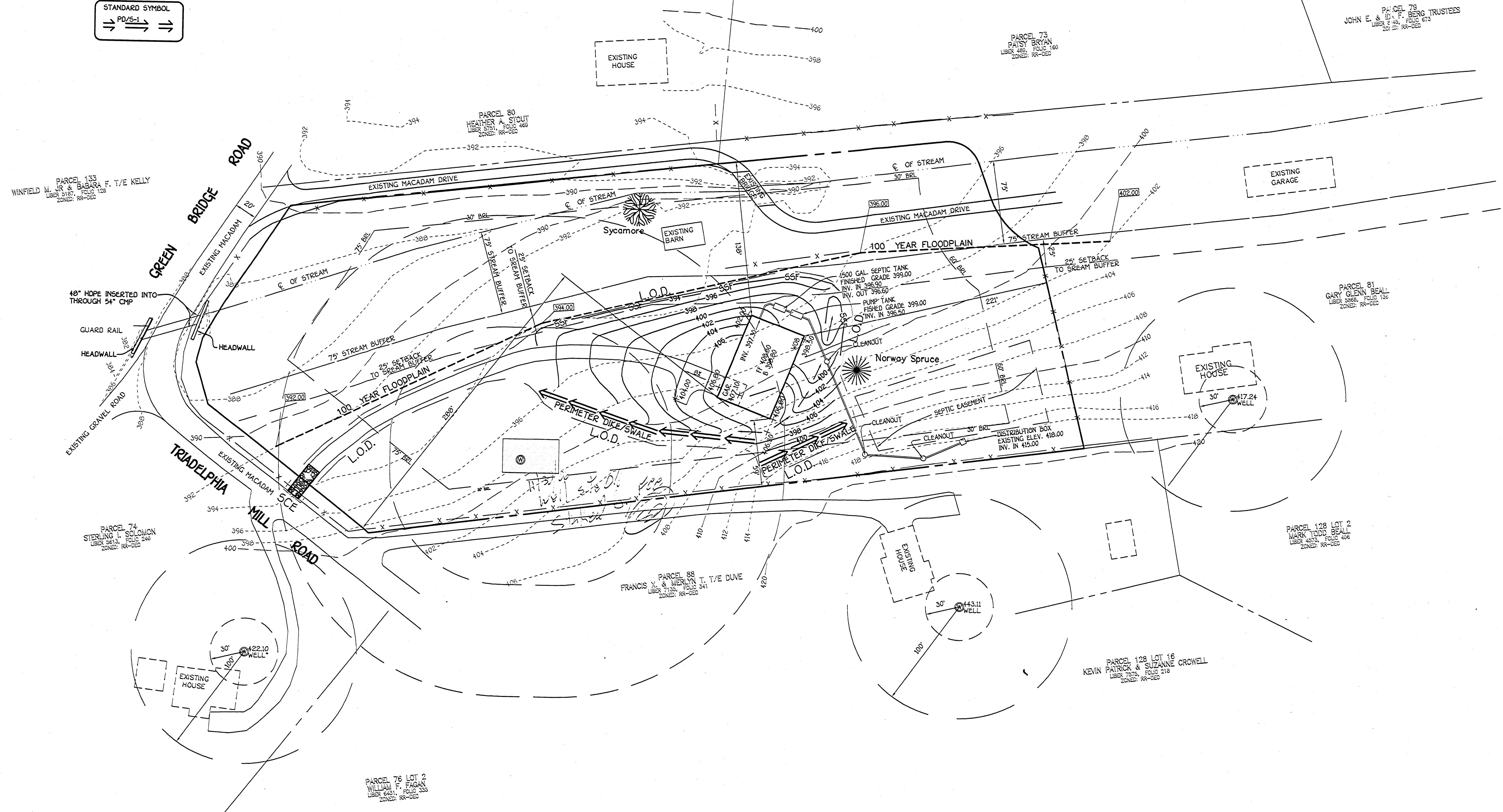
Note: The maximum drainage area for this practice is 2 acres.

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - -	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
---	DIRECTION OF DRAINAGE
---	LOD
SCE	STABILIZED CONSTRUCTION ENTRANCE
-SCE- SCE-	SUPER SILT FENCE



VICINITY MAP

SCALE: 1" = 1200'



GENERAL NOTES

1. SUBJECT PROPERTY ZONED: RR-DEO
2. TOTAL AREA OF PROPERTY: 5.00 ACRES
3. TOTAL AREA OF DISTURBANCE: 0.97 AC
4. LENGTH OF TRENCHES TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. EXISTING TOPOGRAPHY SHOWN WAS FIELD RUN BY FISHER, COLLINS AND CARTER, INC. IN MAY OF 2006.
7. THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 94-0000 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
8. THIS LOT LIES WITHIN THE 2500' NORMAL WATER LEVEL BUFFER ZONE OF TRIADELPHIA RESERVOIR.

Well Staked By
FISHER COLLINS & CARTER

OWNER

GARY G. BEALL
540 GREEN BRIDGE ROAD
DAYTON, MARYLAND 21036

BUILDER

STEVENS BUILDERS
3909 NATIONAL DRIVE
BURTONSVILLE, MARYLAND 20866

PLAN TO ACCOMPANY
BUILDING PERMIT
PARCEL 115

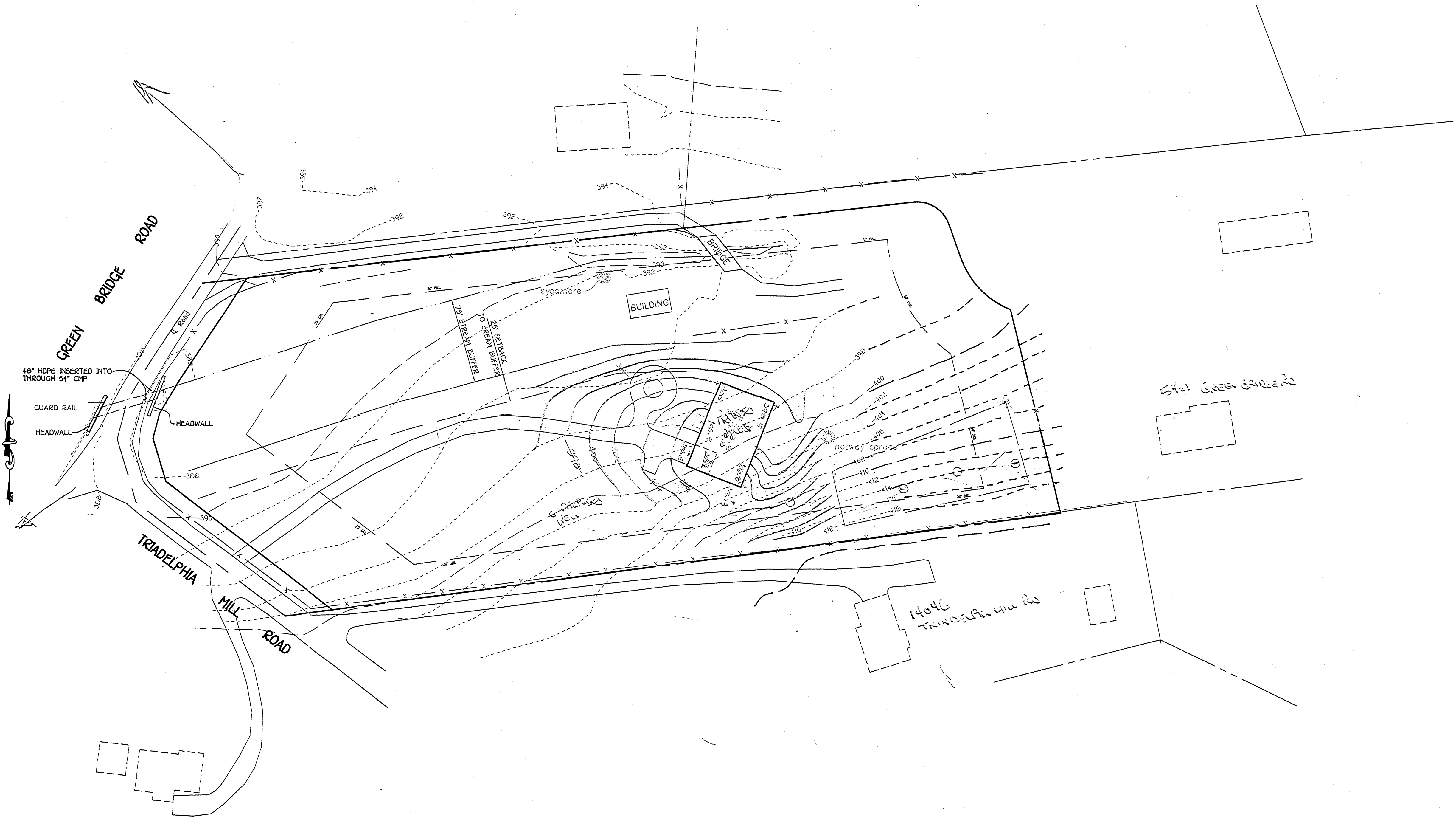
14050 TRIADELPHIA MILL ROAD

TAX MAP NO: 27 ZONED: RR-DEO
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: OCTOBER, 2006

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - -	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
---	DIRECTION OF DRAINAGE
SF-SF	SILT FENCE
SCE	STABILIZED CONSTRUCTION ENTRANCE
SSF-SSF	SUPER SILT FENCE
LOD	LIMITS OF DISTURBANCE
////	NON ROOFTOP DISCONNECTION AREA

GENERAL NOTES

- SUBJECT PROPERTY ZONED: RR-DEO
- TOTAL AREA OF PROPERTY: 0.000 ACRES
- TOTAL AREA OF DISTURBANCE: 0.000 AC.
- LENGTH OF TRENCHES TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- EXISTING TOPOGRAPHY SHOWN WAS FIELD RUN BY FISHER, COLLINS AND CARTER, INC. IN MAY OF 2006.
- THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 94-0000 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



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

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

DATE

OWNER

EMILY BEALL and TROY DRAKE
10450 TRIADELPHIA MILL ROAD
DAYTON, MARYLAND 21036

BUILDER

STEVENS BUILDERS
3905 NATIONAL DRIVE
BURTONSVILLE, MARYLAND 20866

PLAN TO ACCOMPANY
BUILDING PERMIT
TRIADELPHIA MILL ROAD
LOT 1

TAX MAP NO: 27 ZONED: RR-DEO PARCEL NO: 115
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: JUNE, 2006

SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK • 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
410.462.1200

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. APPROVED:

HOWARD SOIL CONSERVATION DISTRICT

DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

DATE

LEGEND

- EXISTING 2' CONTOURS
- - - EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES PROPOSED WELL
- ⊙ DENOTES PROPOSED PERC
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

SOILS LEGEND

SOIL	NAME	CLASS
Co	Codorus silt loam	C
MIB2	Manor loam, 3 to 8 percent slopes, moderately eroded	B
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MIC3	Manor loam, 8 to 15 percent slopes, severely eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B

NOTES:

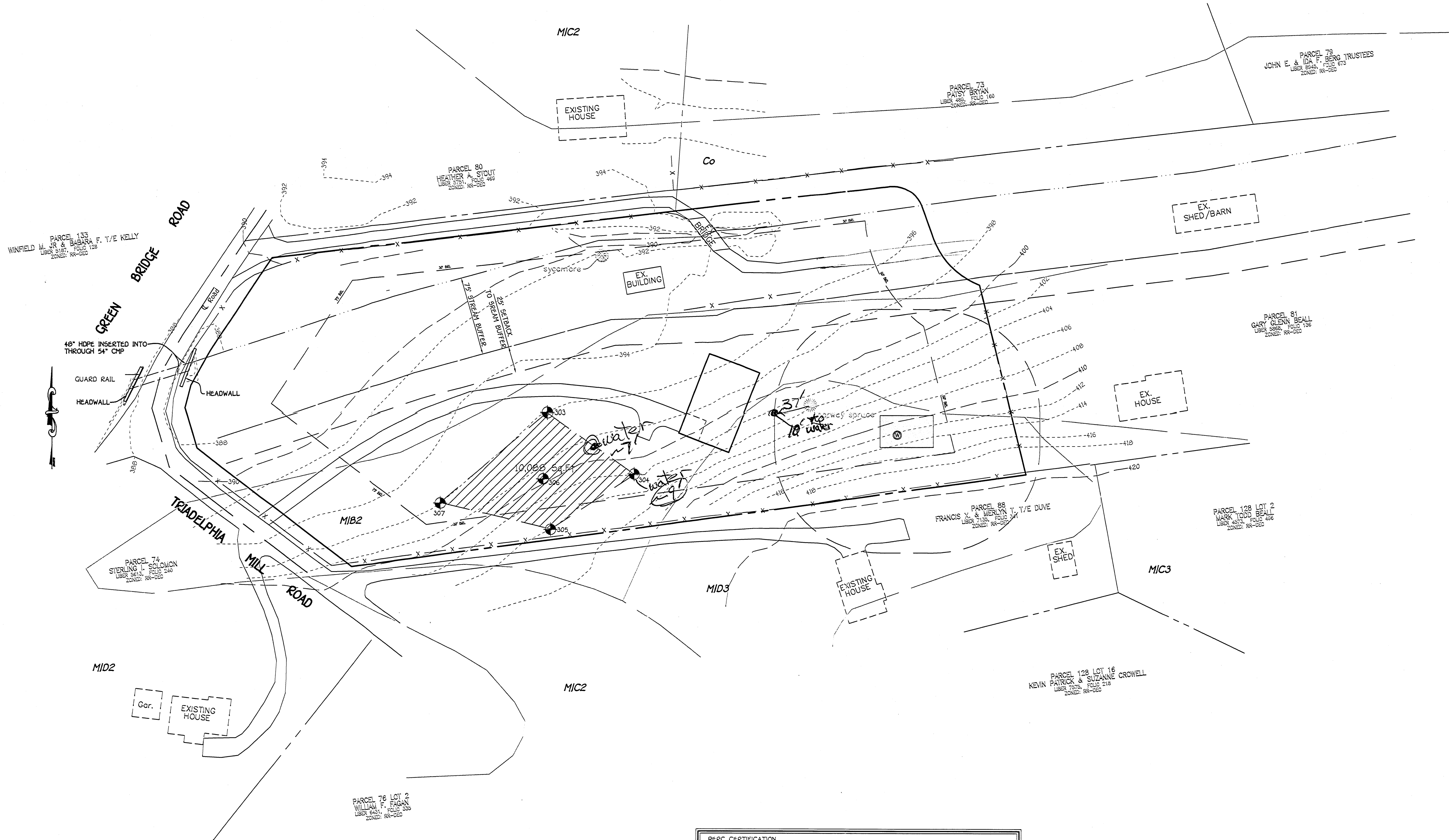
- * Hydric soils and/or contains hydric inclusions
- ** May contain hydric inclusions
- † Generally only within 100-year floodplain areas

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.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- 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.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006
- BOUNDARY OUTLINE BASED ON AFIELD SURVEY BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006
- DEED REFERENCE LIBER 6038 FOLIO 627.



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, Professional Land Surveyor No. 10692

Date

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

COUNTY HEALTH OFFICER

DATE

PERC APPLICATION PLAT 14050 TRIADELPHIA MILL ROAD

TAX MAP • 27 ZONED: RR-DEO

FIFTH ELECTION DISTRICT

SCALE: 1" = 50'

PARCEL: 115

HOWARD COUNTY, MARYLAND

DATE: JULY 26, 2006

LEGEND

----- EXISTING 2' CONTOURS


----- EXISTING 10' CONTOURS


~~----- EXISTING TREE LINE~~ *not needed*


~~GLB2
MLC2~~ SOIL LINES AND TYPES


~~○~~ DENOTES FAILED PERC *not needed*


○ DENOTES PASSED PERC

 DENOTES PROPOSED HOUSE

 DENOTES 15%-24.9% SLOPES

 DENOTES 25% AND GREATER SLOPE

 DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

Add 

~~—X—~~ Fence

~~————~~ Subject property line

Purpose Note:

The Purpose Of This Plan Is To Create A New Perc Area.

PERC CERTIFICATION PLAN 14050 TRIADELPHIA MILL ROAD

TAX MAP NO.: 27

ZONED: RR-DEO

PARCEL NO.: 115

FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 1"= 50'

DATE: OCTOBER, 2006

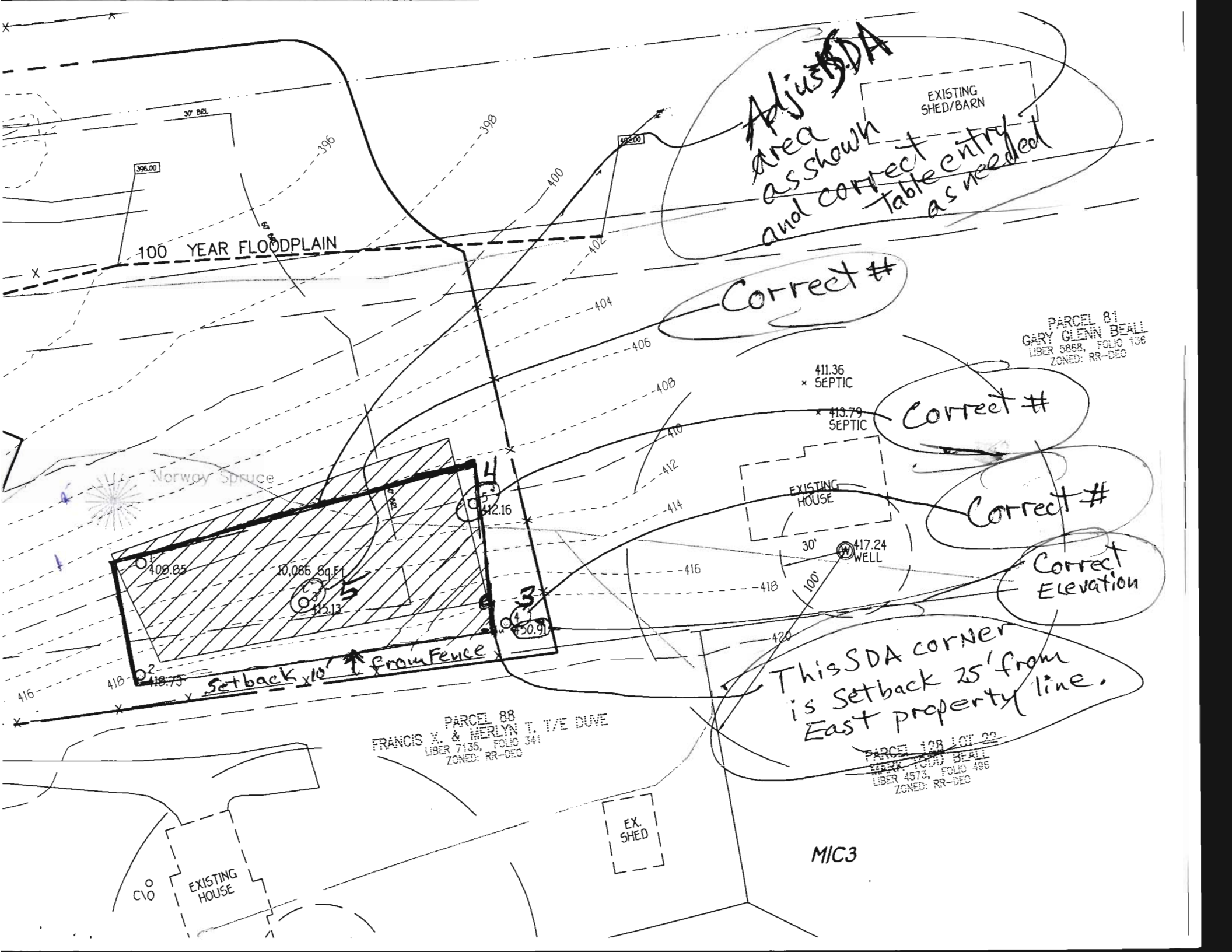
A-525212

SHEET 1 OF 1

← Date ??

JOHN T. & IDI
PAT
LIBER 89
NOV

PARCEL 73
PAISY BRYAN
FOUR 180
LIBER 489
ZONED: RR-DEO



Adjust SDA
area as shown
and correct
Table entry
as needed

Correct #

PARCEL 81
GARY GLENN BEALL
LIBER 5868, FOLIO 136
ZONED: RR-DEC

Correct #

Correct #

Correct
Elevation

This SDA corner
is Setback 25' from
East property line.

PARCEL 88
FRANCIS X. & MERLYN T. T/VE DUVE
LIBER 7135, FOLIO 341
ZONED: RR-DEC

PARCEL 128 LOT 22
GARY GLENN BEALL
LIBER 4573, FOLIO 496
ZONED: RR-DEC

EXISTING
HOUSE

EX.
SHED

MIC3

HEATHER A. STOUT
LIBER 5751, FOLIO 469
ZONED: RR-DEQ

392 394

BRIDGE EX

Sycamore

EXISTING BUILDING TO REMAIN

25' SETBACK TO STREAM BUFFER

75' STREAM BUFFER

EAM BUFFER

25' SETBACK TO STREAM BUFFER

YEAR FLOODPLAIN

200'

100'

PROPOSED HOUSE

MIB2


MIC2

MID3

66450

66450

GENERAL NOTES:

1.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
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7. TOPOGRAPHY SHOWN IS FIELD RUN BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006
8. BOUNDARY OUTLINE BASED ON A FIELD SURVEY BY FISHER COLLINS AND CARTER, INC. ON MAY, 2006
9. DEED REFERENCE LIBER 6038 FOLIO 627.
10. ALL LOT LINES ARE EXISTING, NONE ARE PROPOSED.
11. THIS LOT LIES WITHIN THE 2500' NORMAL WATER LEVEL BUFFER ZONE OF TRIADDELPHIA RESEVOIR.

Notes 7 & 8: Date reference
IN May or ON May??



Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, MD 21046

ATTENTION
NOT KNOWN

ANK

Mr. & Mrs. Troy Drake
5401 Green Bridge Road
Dayton, MD 21036

BALTIMORE MD 212

08 SEP 2006 PM 11



ANK

21036+1251



TRANSMISSION VERIFICATION REPORT

TIME : 10/10/2006 11:04
NAME : ENVIRONMENTAL HEALTH
FAX : 4103132648
TEL : 14103132648
SER.# : 000G4J161082

DATE, TIME	10/10 11:02
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DURATION	00:01:52
PAGE(S)	06
RESULT	OK
MODE	STANDARD
	ECM

TRANSMISSION VERIFICATION REPORT

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NAME : ENVIRONMENTAL HEALTH
FAX : 4103132648
TEL : 14103132648
SER.# : 000G4J161082

DATE, TIME	10/10 11:02
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TRANSMISSION VERIFICATION REPORT

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TEL : 14103132648
SER.# : 000G4J161082

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