

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 527254
DATE 7/12/07

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) *garage*
- 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)

** Perc refer for BP*

PROPERTY OWNER(S) Dennis + Jane Starliper

DAYTIME PHONE 301-854-9598 CELL _____ FAX _____

MAILING ADDRESS 6276 Firethorn Ln Clarksville MD 21029
STREET CITY/TOWN STATE ZIP

* APPLICANT B Square Construction, Inc - Nancy Boone

DAYTIME PHONE 410-635-6511 CELL 443-864-3926 FAX 410-635-6414

MAILING ADDRESS 2420 Ales Dr New Windsor MD 21774
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Aintree Estates, Section 2 LOT NO. 18

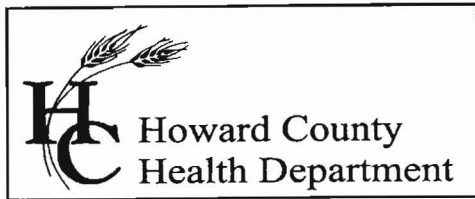
PROPERTY ADDRESS 6276 Firethorn Ln Clarksville
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 13 PARCEL(S) 204 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. Nancy M Boone
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
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



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

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

August 6, 2007

Dennis and Jane Starliper
6276 Firethorn Lane
Clarksville, Maryland 21029

RE: PERCOLATION TEST RESULTS --
A#527254
6276 Firethorn Lane

Dear Mr. and Mrs. Starliper,

Percolation testing conducted July 25, 2007 on the referenced property indicated satisfactory and unsatisfactory soil conditions. Soil conditions were limited due to shallow rock layers and >50% rock found in test holes #7 and #7A. Copies of the test results are enclosed. Due to the restrictive conditions found during testing, the available area for sewage disposal is limited. The proposed garage location will be dependent upon the area available for an initial and two replacement septic systems and the setback requirements of a garage to a septic tank and sewage disposal area.

Further review is contingent upon submission of a percolation certification plan showing the following:

- 1) Actual surveyed elevations and locations of all excavated test holes and original test holes
- 2) Existing house site, other structures (including the shed), and driveway location
- 3) Existing property lines
- 4) Existing well locations and septic location.
- 5) Description of use and intent designated for existing structures and systems, e.g. 'to remain' or 'to remove.'
- 6) Indicate if existing shed is a moveable structure. If not it must meet the 20' setback to an SDA.
- 7) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 8) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 9) Topography needs to be shown at 2 foot contour intervals and a note certifying it was field run/verified.
- 10) MDE sewage disposal area statement
- 11) MDE minimum lot width statement
Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 12) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review
- 13) Identification of streams, ponds, floodplains, 25% and greater slopes, soil types, and soil type boundaries
- 14) A health officer signature block stating "approved for private water and private sewer systems."
- 15) Sealed/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."
- 16) 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, percolation certification plan etc
- 17) Name, address and telephone number of each owner, developer and the plan author.
 - 18) The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

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

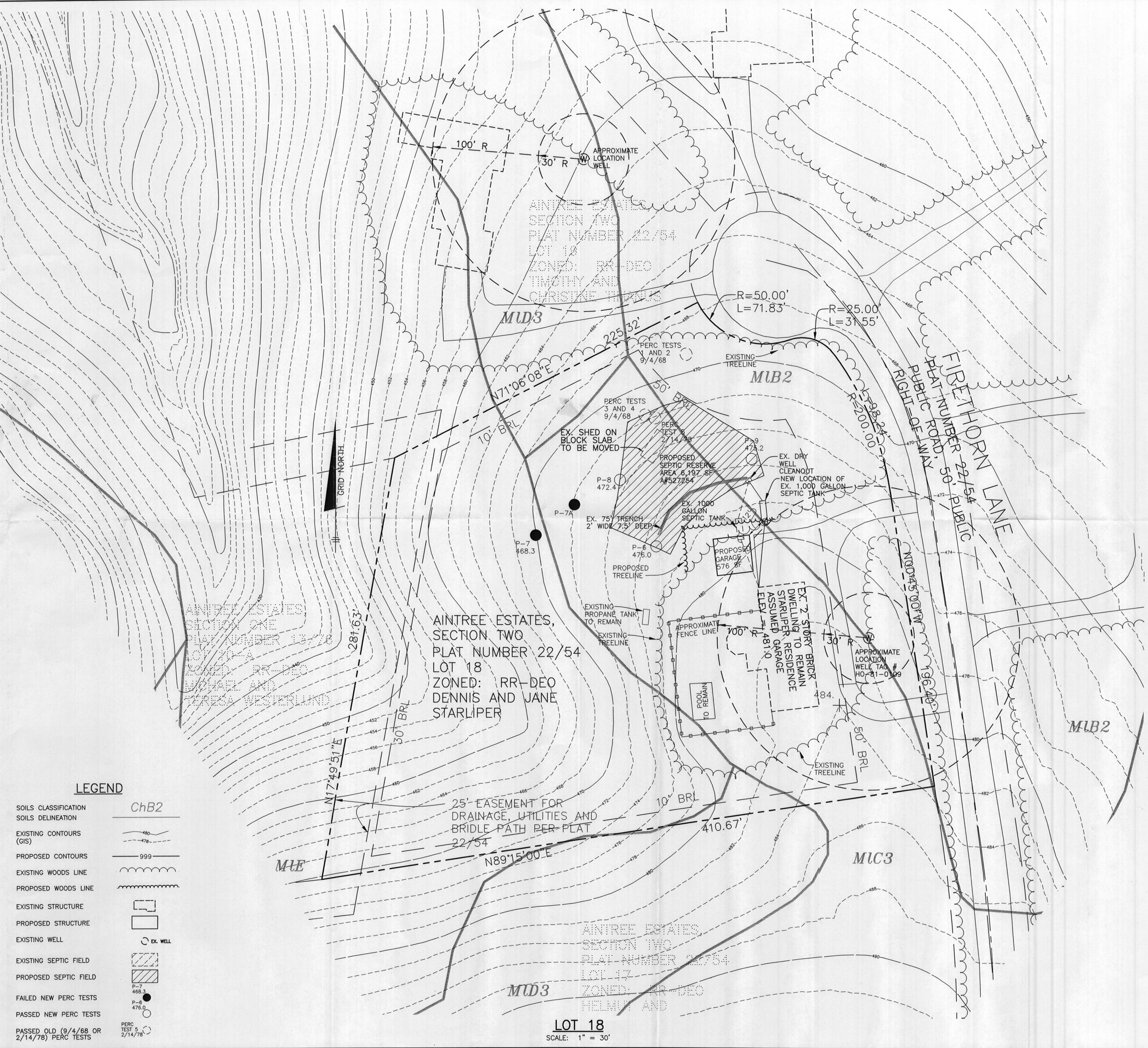
Sincerely,

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

Enclosures

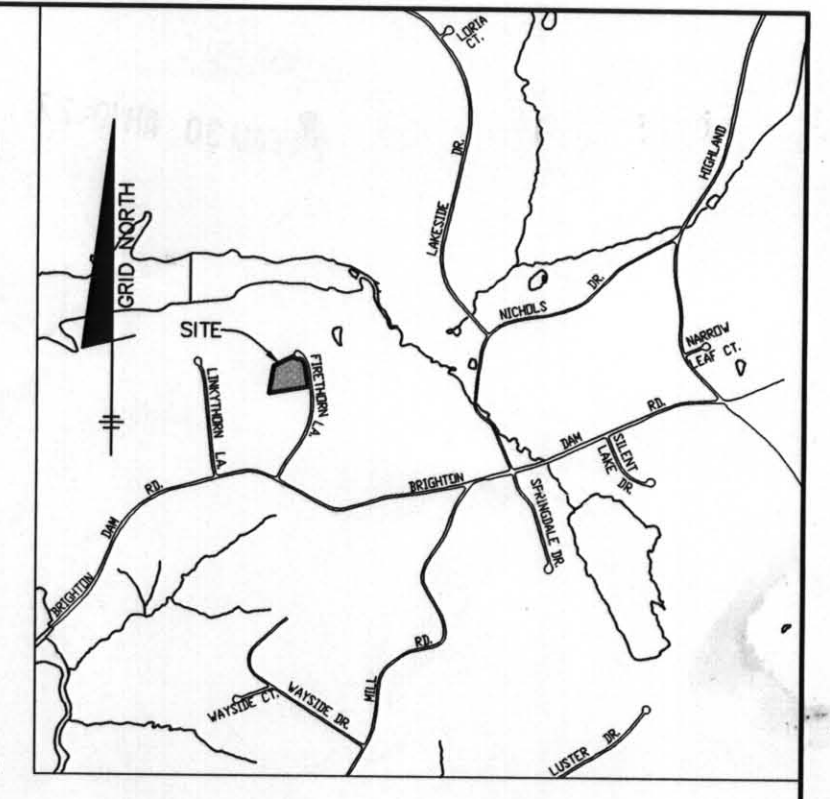
Cc

John Carney, Benchmark Engineering



GENERAL NOTES

- 1) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT. ANY CHANGES TO A PRIVATE SEWAGE SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 2) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4) TOPOGRAPHY SHOWN IS BASED ON DIGITAL GIS TOPOGRAPHY PURCHASED FROM HOWARD COUNTY AND FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., ON OR ABOUT JULY 19, 2007.
- 5) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROPERTY'S BOUNDARIES EXCEPT AS NOTED.
- 6) BENCHMARK ENGINEERING, INC. HAS MADE EVERY REASONABLE EFFORT TO FIND THE LOCATION OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS.
- 7) THE EXISTING SHED IS MOVABLE. IT IS ON A BLOCK PAD AND NOT A FOUNDATION. THE SHED IS TO BE RELOCATED IN ACCORDANCE WITH THE REQUIRED SEPARATION DISTANCES.
- 8) THE BUILDER IS TO RELOCATE THE EXISTING 1,000 GALLON SEPTIC TANK TO THE NEW LOCATION BEFORE THE ISSUANCE OF THE BUILDING PERMIT. THE BUILDER WILL NEED TO CALL IN A TANK REPLACEMENT INSPECTION AND AT THAT TIME THE INSPECTOR CAN DECIDE THE INTEGRITY. IF THE TANK FAILS VISUAL INSPECTION IT MAY NEED TO BE REPLACED BY A TANK THAT SATISFIES THE REQUIREMENTS OF COMAR.



9) Any changes to a private sewage easement will require a revised perc and plan.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John M. Carney 8/29/07
 JOHN M. CARNEY, FOR BENCHMARK ENGINEERING, INC.
 PLAN PREPARER

APPROVED FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

B. Wilson for Peter Bieleman 9/19/07
 HOWARD COUNTY HEALTH OFFICER DATE

SOILS LEGEND	
MAP SYMBOL	SOIL TYPE
MIB2	B MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MIC3	B MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
MID3	B MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED
MIE	B MANOR LOAM, 25 TO 45 PERCENT SLOPES

NO HYDRIC SOILS PRESENT
 TAKEN FROM SOIL SURVEY, HOWARD COUNTY, MARYLAND (ISSUED JULY 1968) MAP NO. 22

LEGEND

SOILS CLASSIFICATION	ChB2
SOILS DELINEATION	
EXISTING CONTOURS (GIS)	480, 478
PROPOSED CONTOURS	999
EXISTING WOODS LINE	
PROPOSED WOODS LINE	
EXISTING STRUCTURE	
PROPOSED STRUCTURE	
EXISTING WELL	EX WELL
EXISTING SEPTIC FIELD	
PROPOSED SEPTIC FIELD	
FAILED NEW PERC TESTS	P-7 468.3, P-6 476.0
PASSED NEW PERC TESTS	
PASSED OLD (9/4/68 OR 2/14/78) PERC TESTS	PERC TEST 5 2/14/78

BENCHMARK ENGINEERING, INC.
 ENGINEERS & LAND SURVEYORS & PLANNERS

8480 BALTIMORE NATIONAL PIKE & SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 • fax: 410-465-6644
 email: bai@bel-chiengineering.com

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. 21443, Expiration Date: 12-31-2008.

Donald M. Mason
 8/29/07

AGENT/BUILDER: B SQUARE CONSTRUCTION, INC. 2420 ALEE'S DRIVE NEW WINDSOR, MARYLAND 21776 410-635-6511	PROJECT: AINTREE ESTATES, SECTION 2 LOT 18 A#527254
OWNER: DENNIS AND JANE STARLIPER CLARKSVILLE, MARYLAND 21029-1319	LOCATION: TAX MAP: 34, GRID: 13, PARCEL: 264 6276 FIREHORN LANE CLARKSVILLE, MD 21029-1319 THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TITLE: REVISED PERCOLATION CERTIFICATION PLAN	
DATE: AUGUST 29, 2007	PROJECT NO. 2030
DES: JMC/DBT	DRAFT: JMC/DBT
CHECK: DAM	SCALE: 1" = 30'
SHEET 1 OF 1	

LOT 18
 SCALE: 1" = 30'