

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AD 519584

AGENCY REVIEW: _____ DATE 9/22/03

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) John and Dorothy Rauth James H. and Clare Easter

DAYTIME PHONE _____ P.O. Box 146 13099 Clarksville Pike

MAILING ADDRESS Highland, Maryland 20777 Highland, Maryland 20777

ZIP _____

APPLICANT Frederick Ward Associates, Inc. - Rob Vogel

DAYTIME PHONE 410-720-0900 CELL 410-917-0037 FAX 410-720-0220

MAILING ADDRESS 7125 Riverview Drive, Columbia, Maryland 21048

STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Rauth and Easter Properties LOT NO. 23 (197)

PROPERTY ADDRESS Schooley Mill Road / Lime Kiln Road

Tm 40 STREET B. 21 P. 114 TOWN/POST OFFICE

TAX MAP PAGE(S) Tm 45 GRID G. 4. PARCEL(S) P. 12 PROPOSED LOT SIZE 3 AC +/-

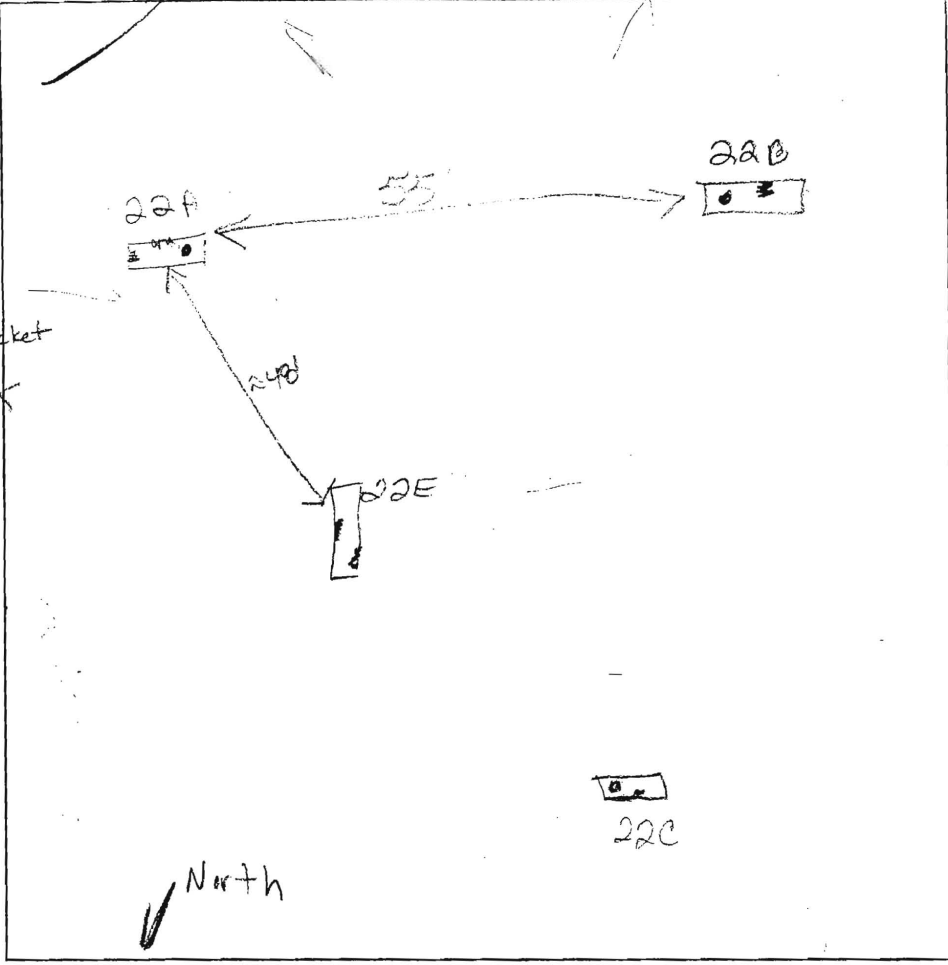
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT.

[Signature]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

22A
 Strong brn sticky CLL 2'
 Strong red s.c.L 3'
 Strong red Single grain or granules of s.c.L 1-10mm in size
 rock frags on Swall
 Strong brn dk brn black SLAMM Refused 10 1/2'



3'
 2'
 4 1/2'
 8'
 9'
 packet > 50%
 Strongly Very micaceous densely packed Loam
 v. micac. SL
 N wall
 Pocket
 # Bottom

22B
 Strong red s.c.L Rx ~ 10-15%
 9'
 y. brn tan fine Sand Rx < 5%
 # Bottom 10 1/2'

22C
 Strong tan c.c.L
 rd c.c.L
 v. micac. black brn compacted SAND Rx ~ 15%
 6 1/2'
 28 1/2'
 Sm. frags HARD SAND ~ 25%
 dk brn wk rd brn granular SAND

| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2nd INCH | PIF/H |
|----------|--------|--------------------------------|--------------------|--------------------|--------------------|------------------|-------|
| 11/18/03 | 22A | 4' / 10 1/2' PB | 1:43 | 1:46 | 1:53 | 12 | OK |
| | 22B | 6'8" / 12' HB | 12:39 | 1:00 | 1:08 | 27min | |
| | 22E | 6' / 9 1/2' HB | ON | HOLD | FOR TESTING - BS | | |
| | 22C | 6' / 9' HB | 2:15 ³⁰ | 2:16 ²² | 2:17 ²⁵ | ~1 | F |
| | | North & E sidewall NOT USEABLE | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS Holes dug PER PLAN
 SANITARIAN KN BACKHOE Wullie OTHERS B.S.
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

12889 Lime Kiln Road

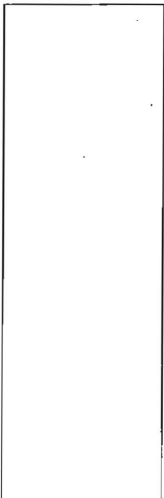
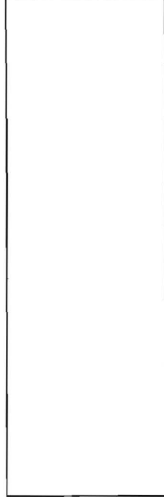
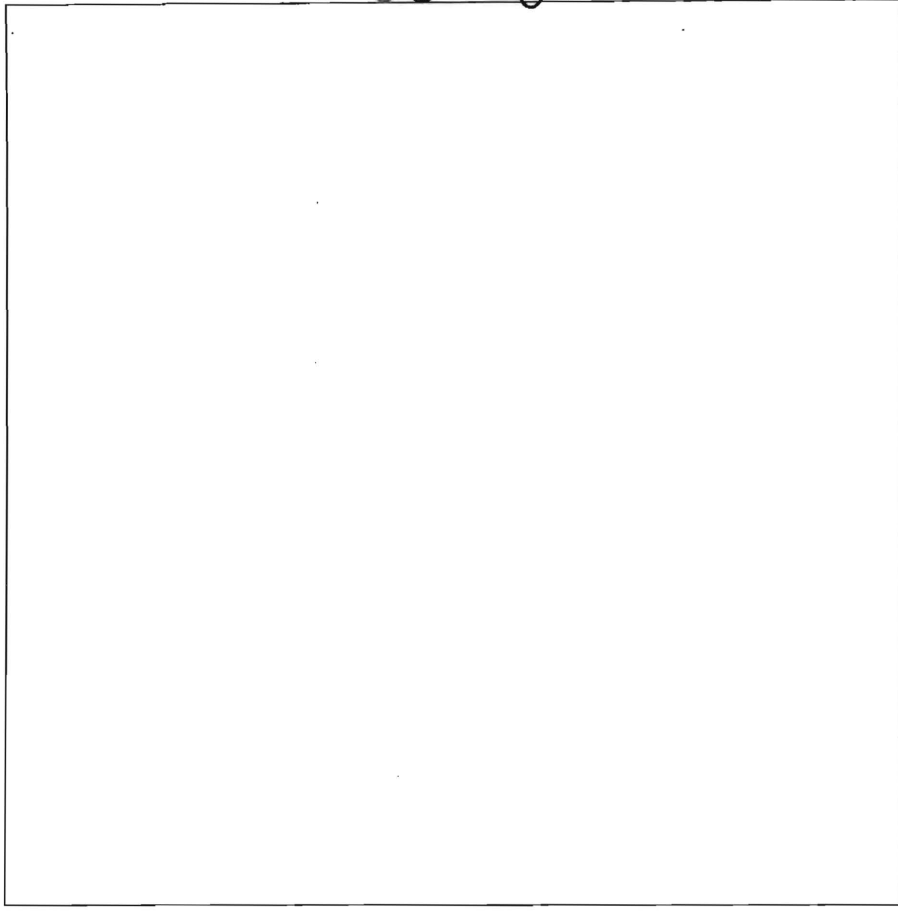
A/P _____

22D

Brown Grey
25BK SCL 8.5'
Red Brown
Strong
SCL 30'
Red. Yell
Brown
Si Loam
much mica
9'
Red Brown
Yell FSL
much mica
20-25%
Shale 10'

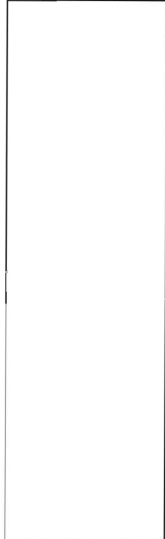
22F

Brown Grey
25BK SCL 8'
Red Brown
Strong
SCL 5'
Red Brown
yellow
Si Loam 6'
Red Brown
yellow
FSL
much mica
20-30%
Shale 10'
↓



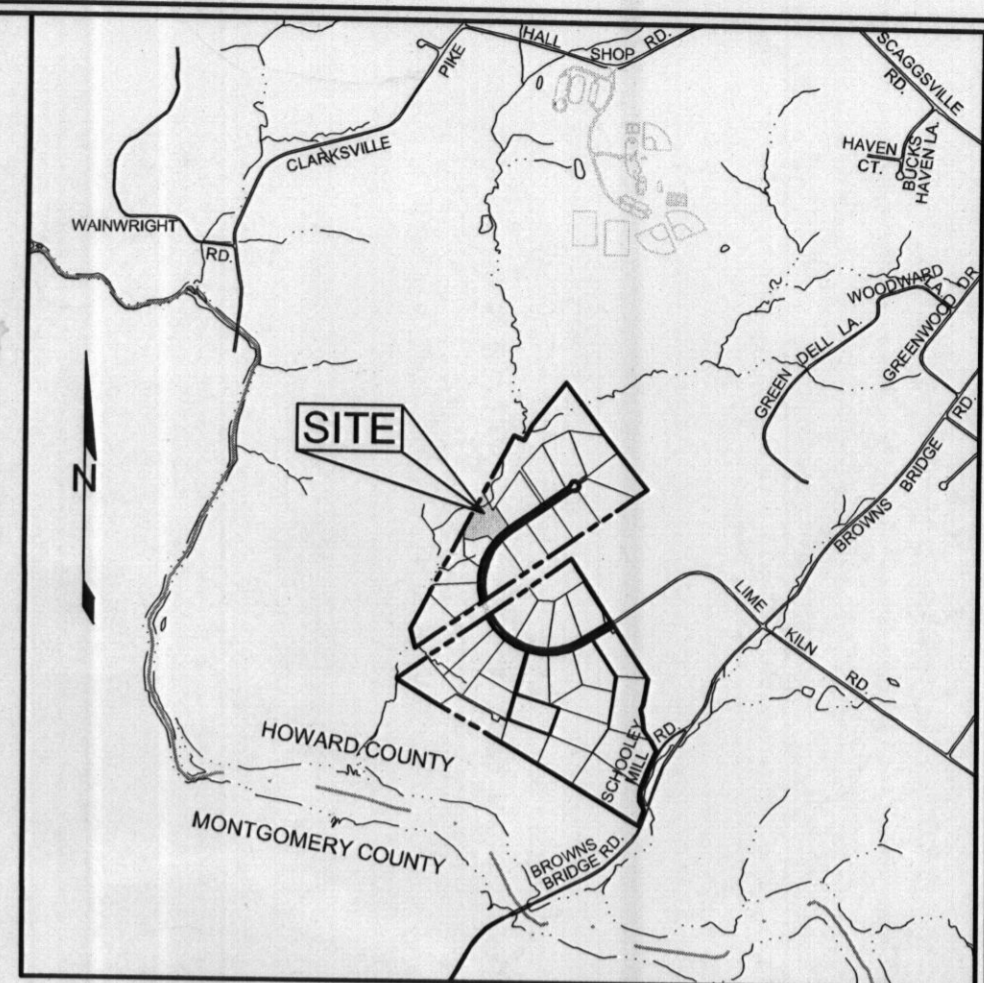
| DATE | TEST # | DEPTH | START | BREAK 1" DROP | STOP 2" DROP | TIME OF 2ND INCH | P/F/H |
|---------|--------|-------|-------|------------------|-----------------|---------------------|-------|
| 5-24-11 | 22D | 6/10 | 10:02 | 10:06 | 10:10 | 4min | P |
| 5-24-11 | 22F | 6/10 | 11:14 | 11:17 | 11:21 | 4min | P |
| | | | | | | | |
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| | | | | | | | |

REMARKS Holes not Perc on initial visit. Needed for BF
 SANITARIAN DBernard BACKHOE PK OTHERS Stephanie Juits
 TEST HOLES USED IN SDA 5 AVG. PERC TIME 4min FT/BR 150
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



LEGEND

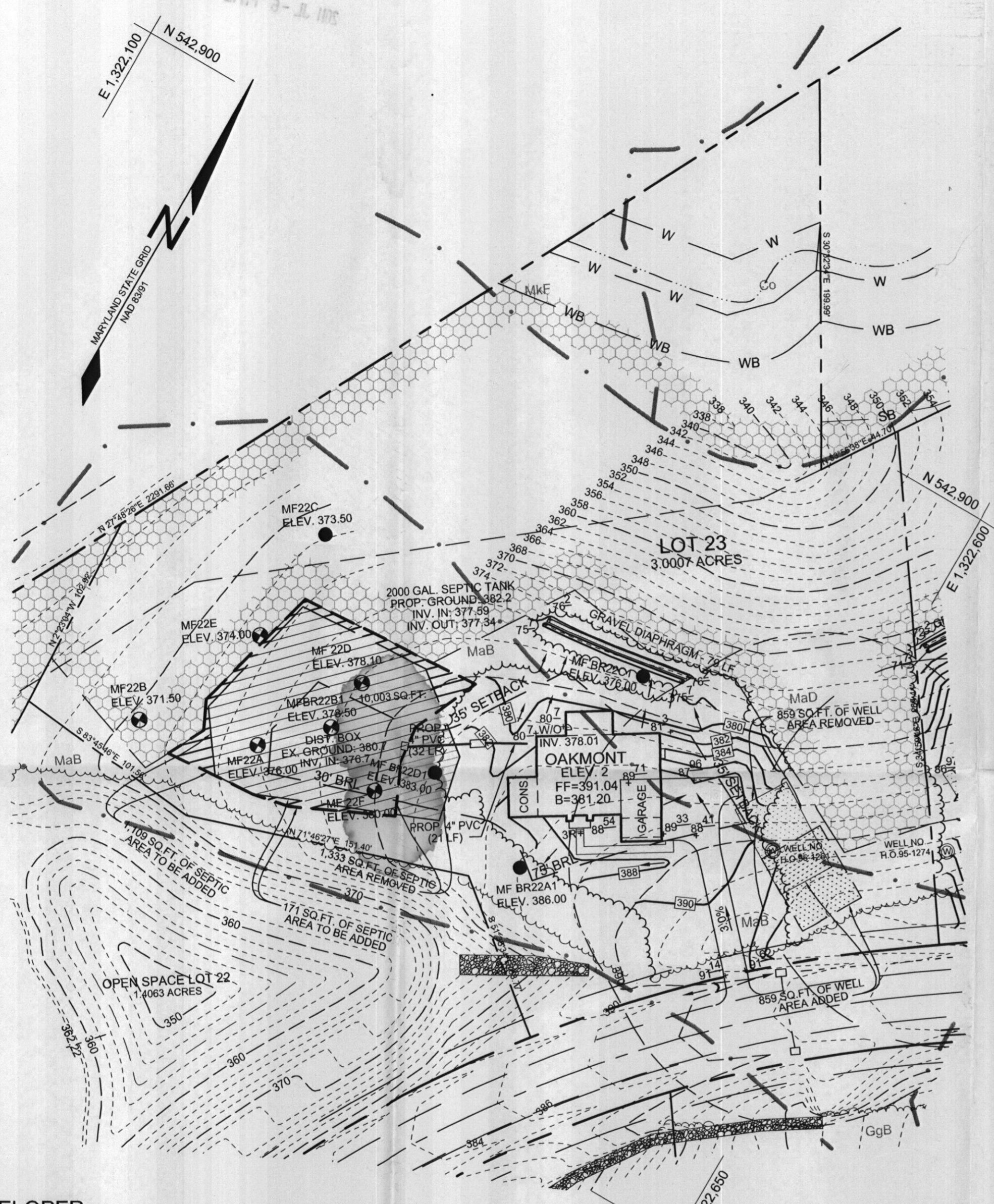
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- SOIL BOUNDARY
- PERCOLATION TEST HOLES, PASSED
- PERCOLATION TEST HOLES, FAILED
- SEPTIC EASEMENT TO BE REMOVED
- SEPTIC EASEMENT TO BE ADDED
- EXISTING SEPTIC EASEMENT TO REMAIN



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

1. SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
2. TOTAL AREA OF LOTS = 3.0007 AC.
3. PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
4. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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 SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
5. PROPOSED SEPTIC SYSTEM AND EASEMENT WILL SERVE THIS PROPOSED 5 BEDROOM HOUSE.
6. BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PREPARED ROBERT H. VOGEL ENGINEERING, INC., DATED AUGUST 2005.
7. TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES, LLC DATED SEPTEMBER 2010.
8. PROPERTY ADDRESSES: 12889 LIME KILN ROAD.
9. USED REFERENCE: LIBER 12580, FOLIO 00016.
10. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
11. THE EXISTING WELLS SHOWN ON THIS PLAN, WELL TAG #95-1261 AND #95-1274 HAVE BEEN FIELD LOCATED BY SILL, ADCOCK & ASSOCIATES, LLC IN SEPTEMBER 2010 AND ARE ACCURATELY SHOWN.
12. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED FOREST CONSERVATION EASEMENT AREAS.
13. THERE ARE NO FLOODPLAINS, WETLANDS, STREAMS, OR THEIR BUFFERS, HISTORIC STRUCTURES OR CEMETERIES LOCATED ON-SITE.
14. FOREST CONSERVATION HAS BEEN PROVIDED FOR THIS LOT UNDER F-06-107.
15. DENOTES PUBLIC FOREST CONSERVATION EASEMENT. THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENTS ARE ALLOWED.
16. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
17. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
18. PERC HOLES 22D AND 22F FIELD LOCATED BY SILL, ADCOCK & ASSOCIATES, LLC IN MAY 2011. ALL OTHER PERC HOLE LOCATIONS AND ELEVATIONS SHOWN BASED ON PERCOLATION CERTIFICATION PLAN SIGNED ON OCTOBER 1, 2007.
19. THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE LOCATION OF THE WELL BOX ON LOT 23, TO SHOW REVISED PERC HOLE LOCATION FOR 22D AND NEW 22F TESTED ON MAY 24, 2011, AND TO REVISE THE SEPTIC EASEMENT CONFIGURATION TO REFLECT THE ACTUAL PASSED PERC HOLE LOCATIONS. PERC HOLE 22D WAS TESTED AS A CONDITION OF THE PERC CERTIFICATION PLAN SIGNED ON OCTOBER 1, 2007.



PLAN VIEW
SCALE: 1"=50'

DEVELOPER

CRAFTMARK HOMES
6820 ELM STREET, SUITE 200
MCLEAN, VIRGINIA 22101
703-287-0582

OWNER

MAPLE ESTATES, LC
5074 DORSEY HALL DRIVE, SUITE 205
ELLCOTT CITY, MARYLAND 21042
410-720-3021

| SOILS LEGEND | | |
|--------------|---------------------------------------|-------|
| SYMBOL | NAME / DESCRIPTION | GROUP |
| GgB | GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES | B |
| MaB | MANOR LOAM, 3 TO 8 PERCENT SLOPES | B |
| MaD | MANOR LOAM, 15 TO 25 PERCENT SLOPES | B |

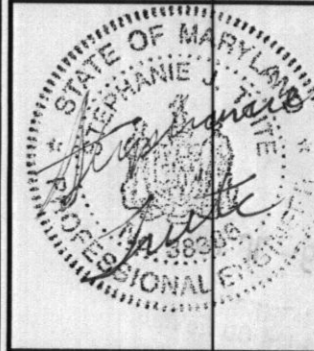
AMENDED PERCOLATION CERTIFICATION PLAN

LIME KILN VALLEY, PHASE I & II

LOT 23
12889 LIME KILN ROAD

TAX MAPS 40 & 45 GRIDS 21 & 4
FIFTH ELECTION DISTRICT

PARCELS 114 & 12
HOWARD COUNTY, MARYLAND



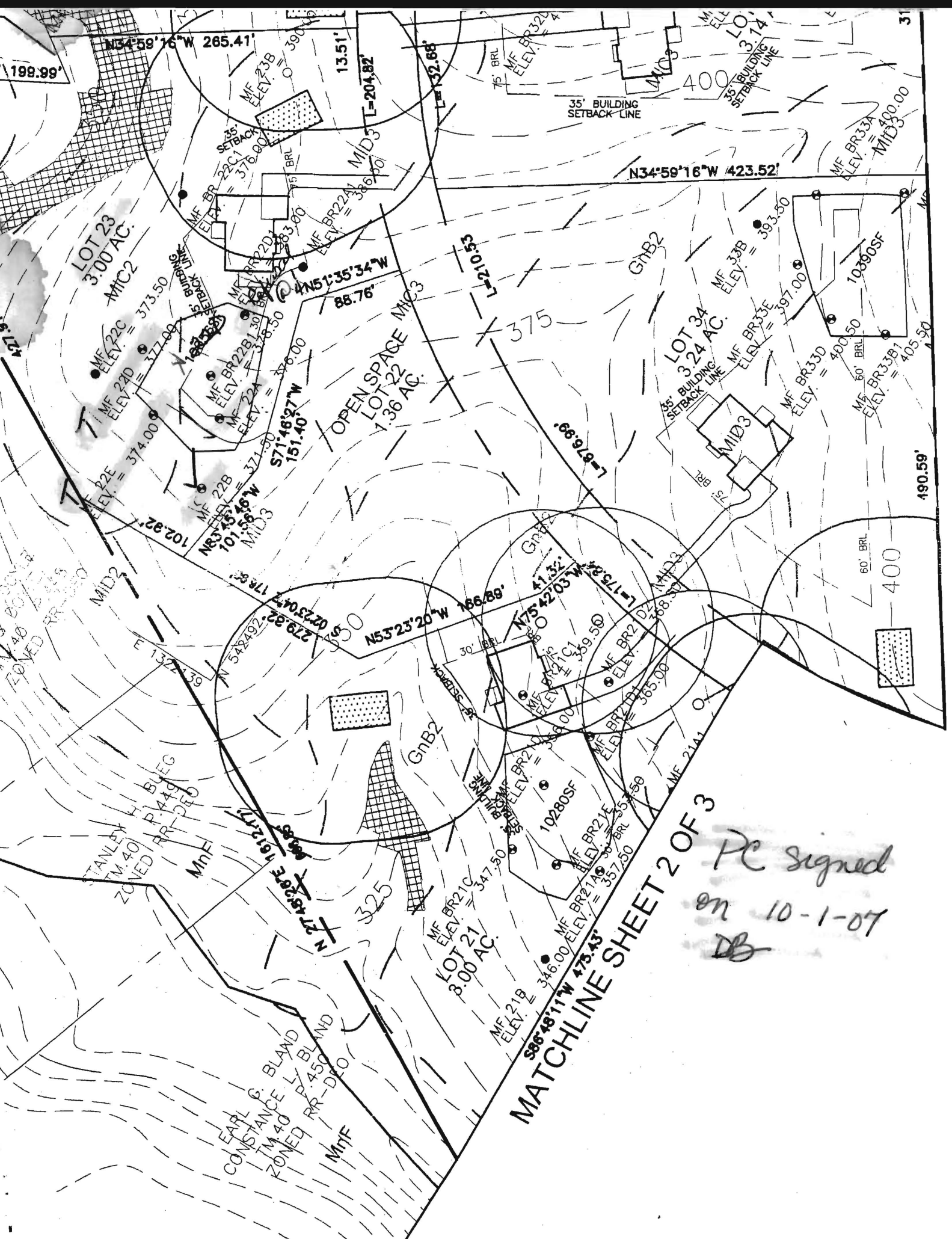
Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saaland.com

DESIGN BY: SJT
DRAWN BY: SJT
CHECKED BY: PS
SCALE: AS SHOWN
DATE: JULY 6, 2011
PROJECT #: 10-021
SHEET #: 1 of 1

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. 38386, EXPIRATION DATE: JANUARY 12, 2012.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

B. Wilton for Peter Beileman 7/7/2011
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT



MATCHLINE SHEET 2 OF 3

PC signed
 on 10-1-07
 DB