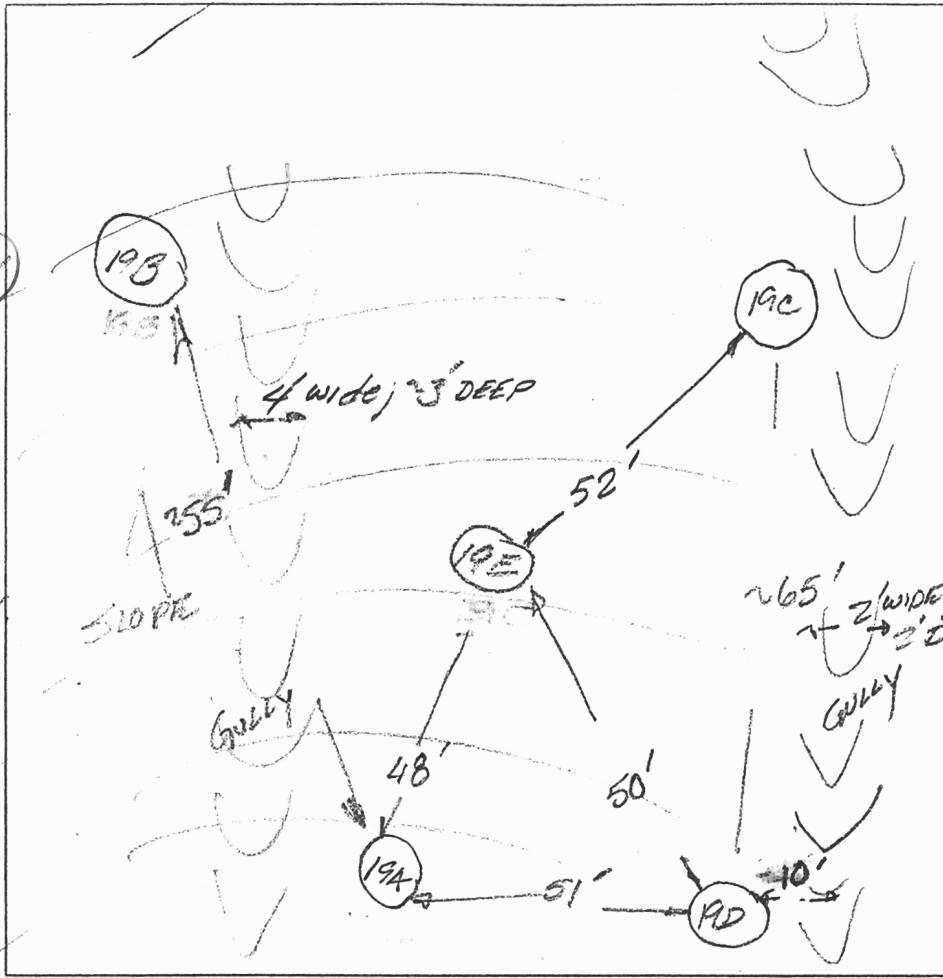


19C
Brown loam 8'
Yellow Brown Silty Clay loam 2 1/2'
Red Brown Silty loam 7'
Yellow Brown Silty loam 12 1/2'

19D
Brown loam 1'
Yellow Red Brown Silty Clay loam 4'
Yellow Brown Red Brown Silty loam 9'

19E
Brown loam 8'
Red Brown Silty Clay loam 5 1/2'
Light Brown Silty loam 12'

19A
Brown loam 8'
Red Brown Silty Clay loam 5 1/2'
Light Brown Silty loam 12'



19B
Brown loam 8'
Red Brown Silty loam 2 1/2'
Red Silty loam 3 1/2'
Yellow Brown Silty loam 10-15% Cherty 11 1/2'

19B
Brown loam 8'
Yellow Brown Silty Clay loam 10-15% Cherty 5 1/2'
Red Silty loam 9'
Yellow Brown Silty loam 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/18/63	19C	5 1/2' / 12 1/2'	10 23	10 36	10 48	12min	P
	19D	6' / 12'	10 28	10 30	10 34	4min	P
	19E	6' / 12'	10 45	10 47	10 49	16min	P
	19A	6' / 11 1/2'	10 58	11 01	11 04	3min	P
	19B	6' / 11'	11 37	11 40	11 59	13min	P

REMARKS _____
 SANITARIAN FB BACKHOE Willie OTHERS Mark Johnson
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Rob Shesky
Mark Johnson

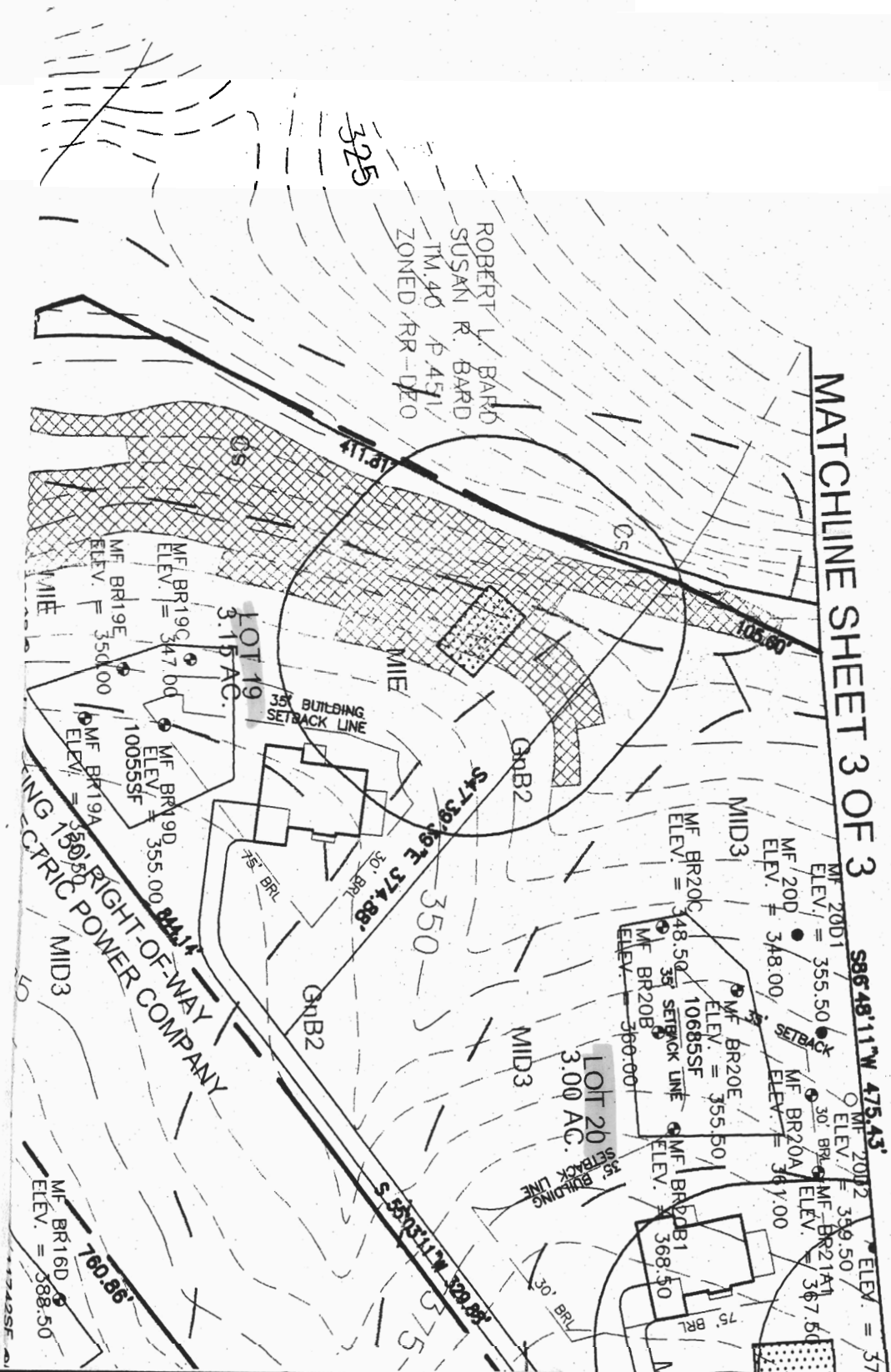
MATCHLINE SHEET 3 OF 3

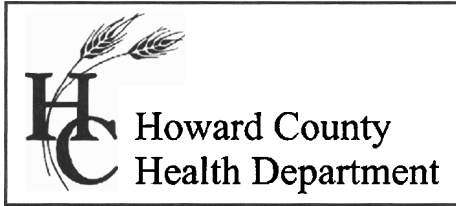
S86°48'11"W 475.43'

ELEV. = 37

ROBERT L. BARD
SUSAN R. BARD
TM. 46 P. 451
ZONED RR-D70

Signed per cert 10-1-07





7178 Columbia Gateway Drive, Columbia MD 21046
Phone (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

MEMORANDUM

TO: Stephanie Tuite, Sills Adcock and Associates, LLC

Via E-mail: stephanie@saaland.com

3300 North Ridge Road, Suite #160

Ellicott City, Maryland 21043

FROM: Dana Bernard, REHS/RS

Well and Septic Program

Development Coordination Section

RE: Amended Percolation Certification Plan

12869 Lime Kiln Road (Lot# 19)

DATE: March 1, 2012

Due to the findings of the site visit on February 22, 2012, the proposed percolation certification plan must be redesigned. If the septic easement cannot be redesigned using the original percolation testing holes. Percolation testing will have to be scheduled to help establish a new area. The following comments apply to the plan prepared by Sill, Adcock & Associates, LLC. A revised Amended Percolation Certification Plan must be submitted with the following updates:

- ✚ Redesign septic easement. Septic area should not contain a swale.
- ✚ Septic area should be 100 feet away from streams.
- ✚ Note 12 in the general notes should be removed..

If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana Bernard

Dana Bernard, REHS/RS

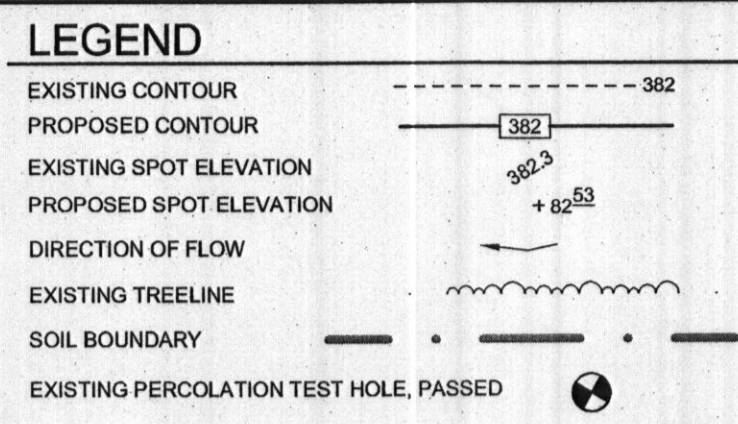
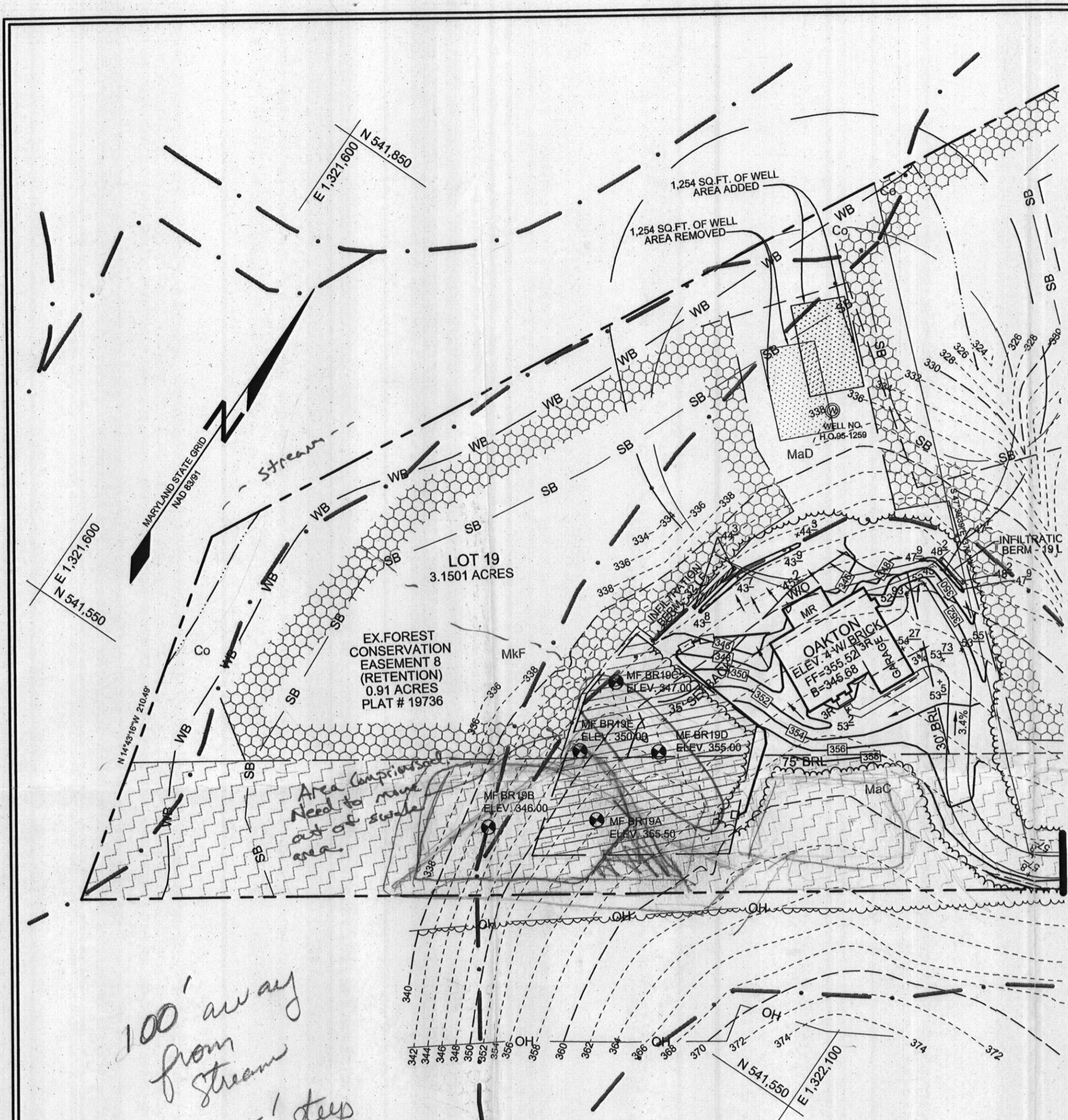
Bureau of Environmental Health

Well and Septic Program

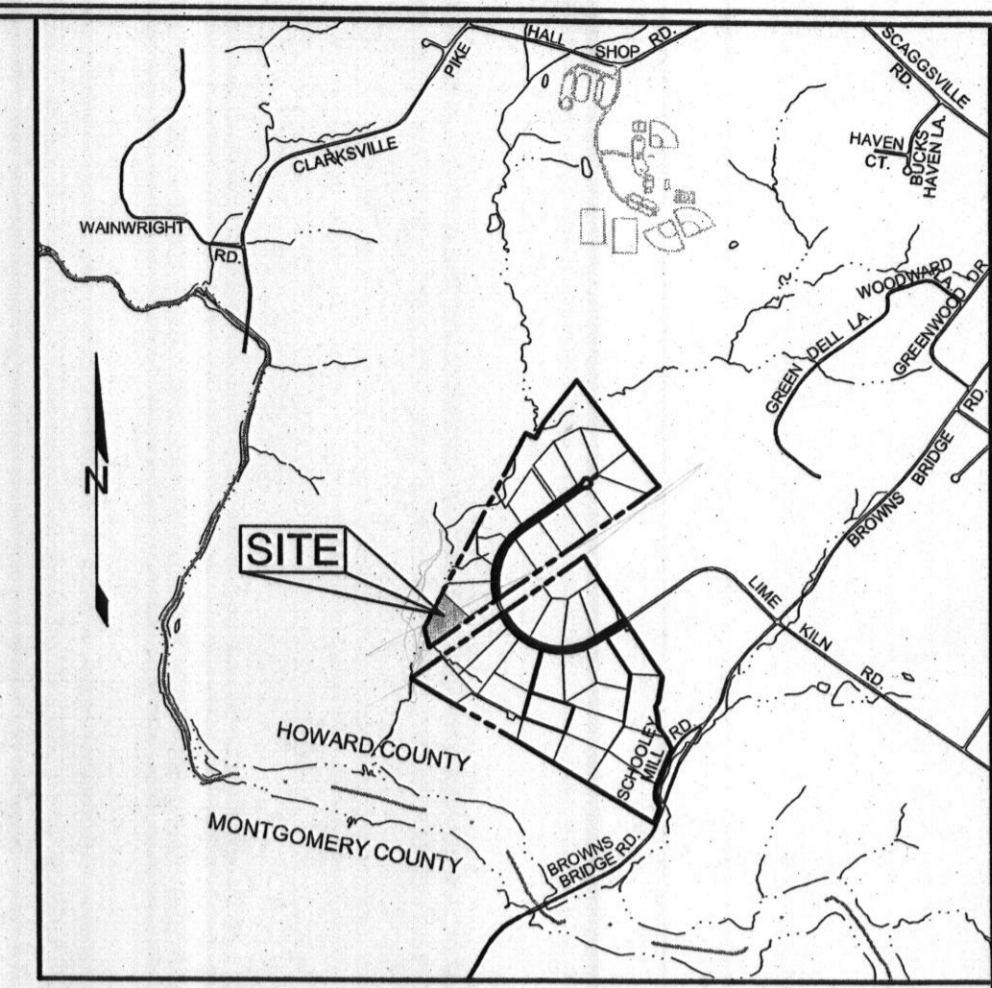
Development and Coordination Section

Phone (410) 313-2775

E-mail: DBernard@howardcountymd.gov

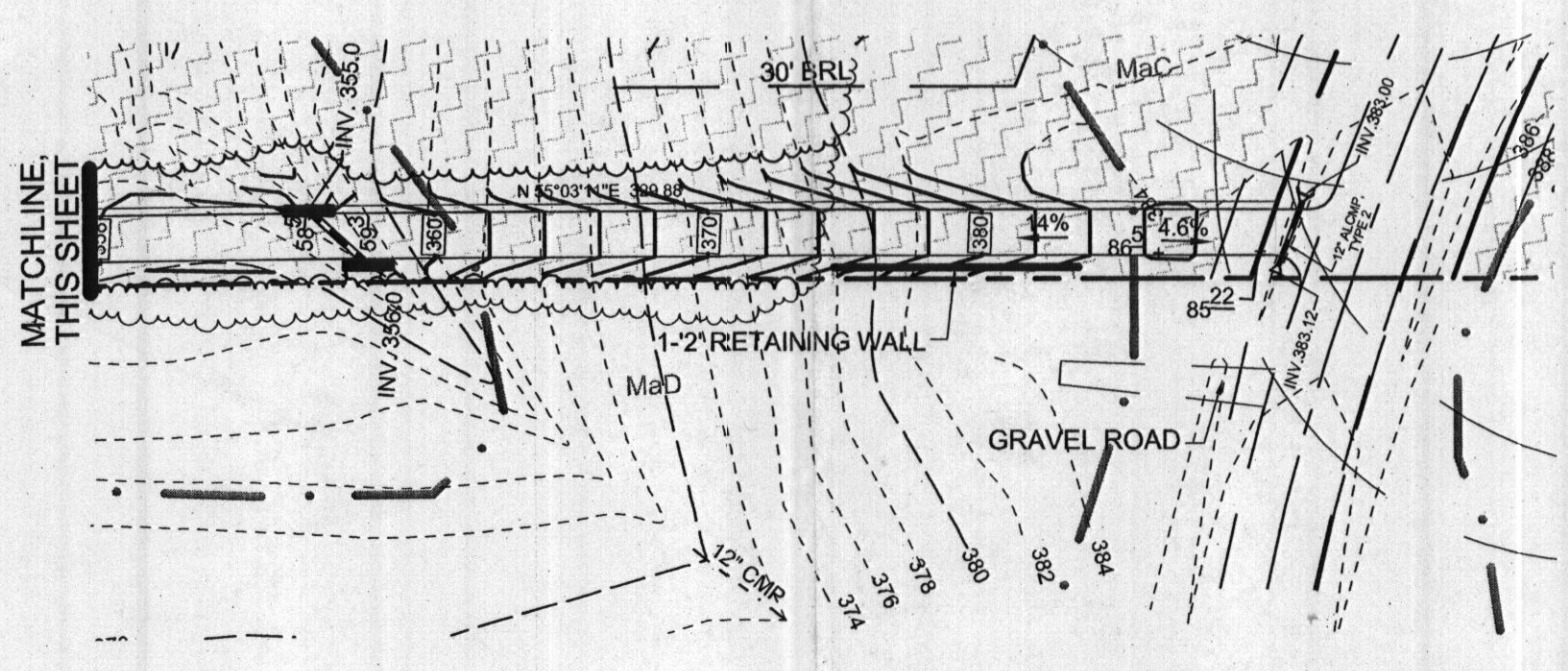


SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	GROUP
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B
MaC	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B
MkF	MANOR-BRINKLOW COMPLEX, 25 TO 65 PERCENT SLOPES, VERY ROCKY	B



- ### GENERAL NOTES
- SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF LOTS = 3.1501 AC±.
 - PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
 - 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.
 - BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PREPARED ROBERT H. VOGEL ENGINEERING, INC., DATED AUGUST 2005.
 - TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES, LLC DATED SEPTEMBER 2010.
 - PROPERTY ADDRESSES: 12869 LIME KILN ROAD.
 - DEED REFERENCE: LIBER 12580, FOLIO 00016.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - THE EXISTING WELL SHOWN ON THIS PLAN, WELL TAG #95-1259 HAS BEEN FIELD LOCATED BY SILL, ADCOCK & ASSOCIATES, LLC IN SEPTEMBER 2010 AND ARE ACCURATELY SHOWN.
 - NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED FOREST CONSERVATION EASEMENT AREAS.
 - THERE ARE NO FLOODPLAINS, WETLANDS, STREAMS, OR THEIR BUFFERS, HISTORIC STRUCTURES OR CEMETERIES LOCATED ON-SITE.
 - FOREST CONSERVATION HAS BEEN PROVIDED FOR THIS LOT UNDER F-06-107.
 - ███ 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.
 - ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
 - 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.
 - PERC HOLE LOCATIONS AND ELEVATIONS SHOWN BASED ON PERCOLATION CERTIFICATION PLAN SIGNED ON OCTOBER 1, 2007.
 - THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE LOCATION OF THE WELL BOX ON LOT 19.

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
ELLICOTT CITY, MARYLAND 21042
410-720-3021

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

COUNTY HEALTH OFFICER _____ DATE _____
HOWARD COUNTY HEALTH DEPARTMENT

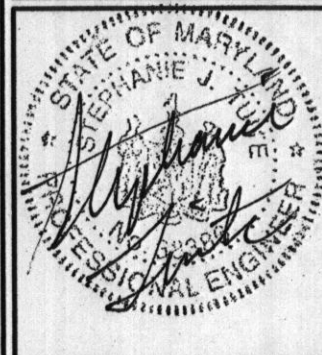
AMENDED PERCOLATION CERTIFICATION PLAN

LIME KILN VALLEY, PHASE I & II

LOT 19
12869 LIME KILN ROAD

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

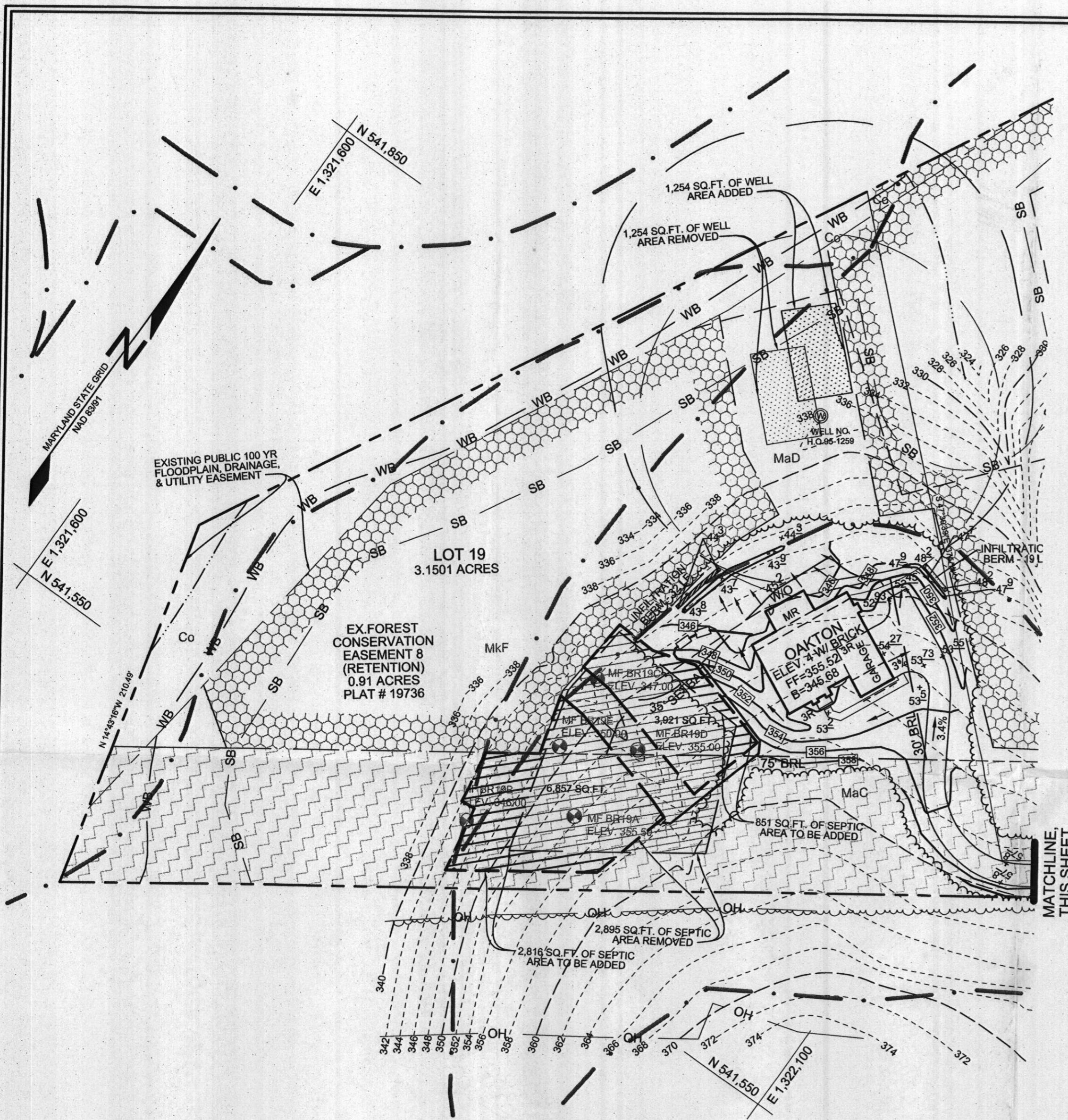
PARCELS 114 & 12
HOWARD COUNTY, MARYLAND



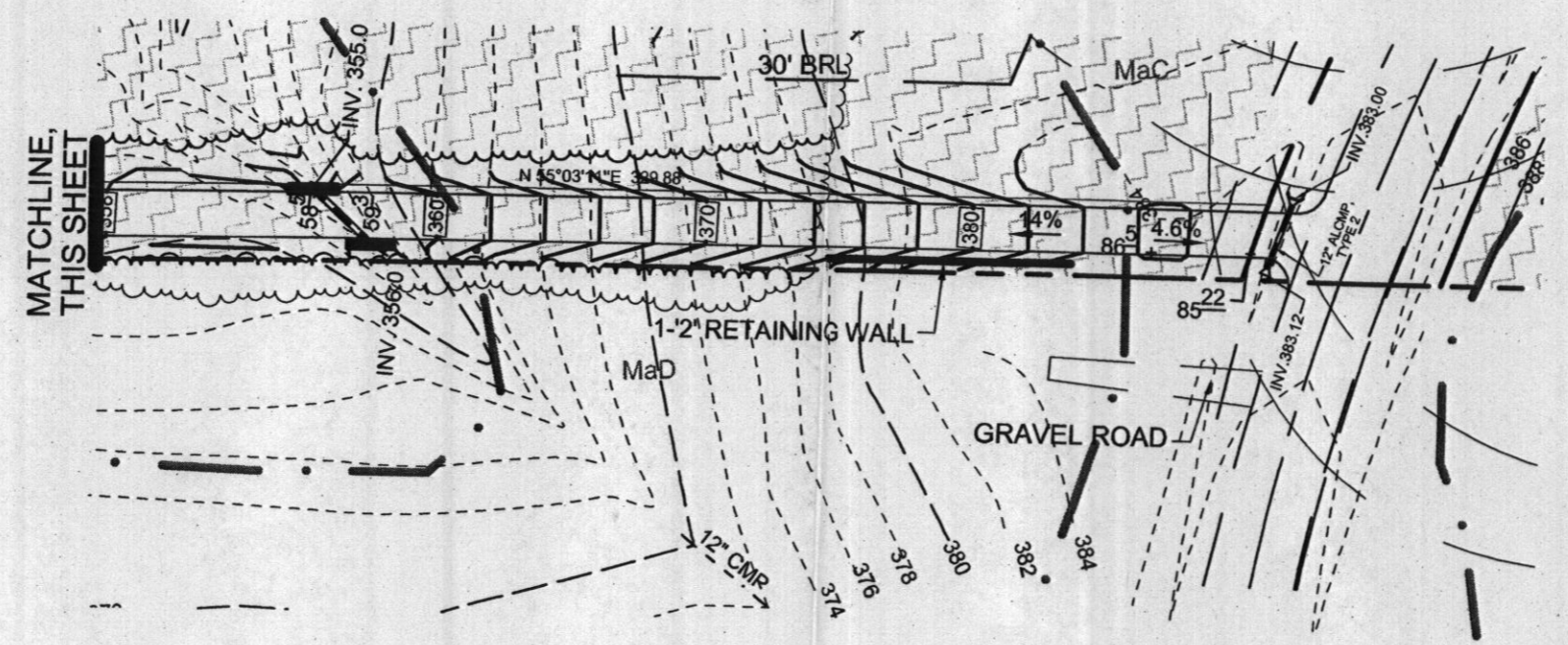
Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saaland.com

DESIGN BY: SJT
DRAWN BY: SJT
CHECKED BY: _____
SCALE: AS SHOWN
DATE: JANUARY 26, 2012
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 FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: JANUARY 12, 2014



PLAN VIEW
SCALE: 1"=50'

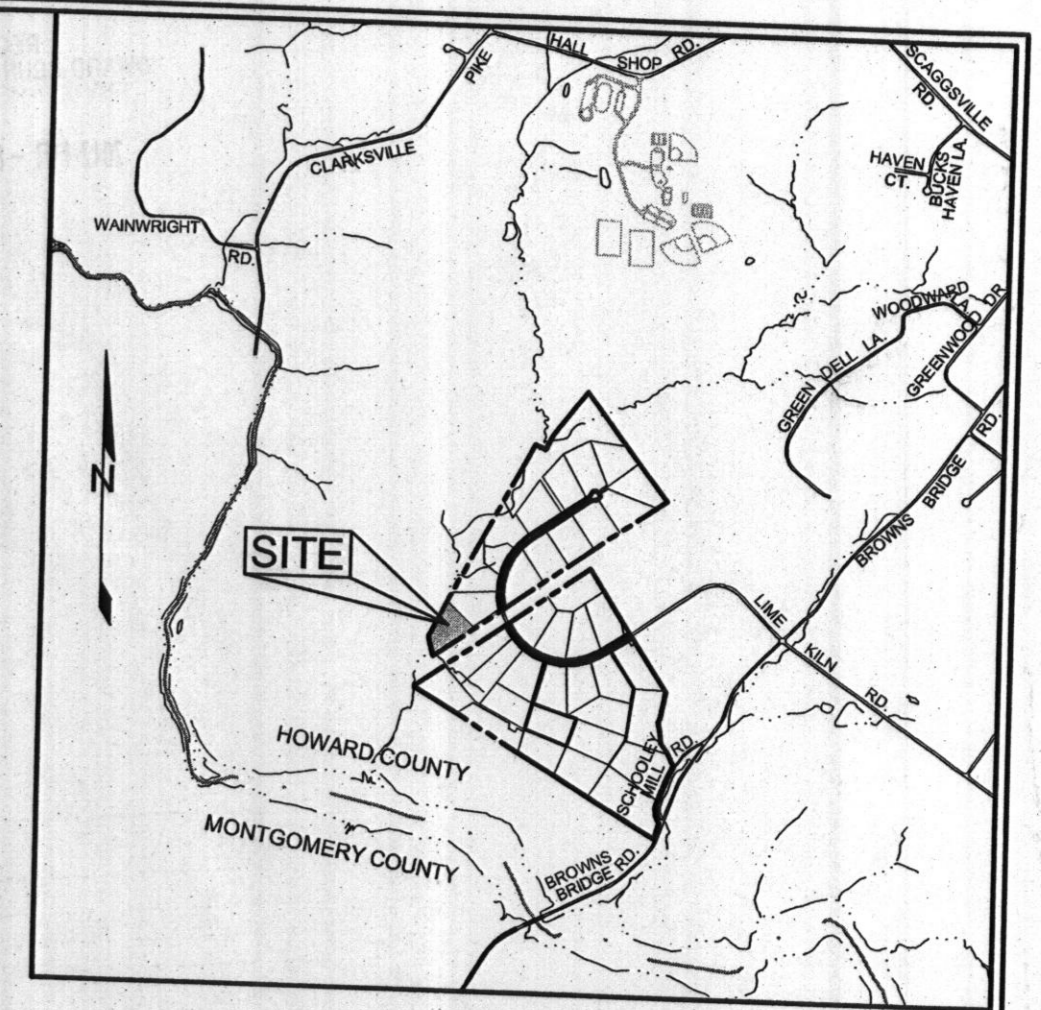


LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- SOIL BOUNDARY
- STREAM
- STREAM BUFFER
- WETLAND BUFFER
- 100 YR FLOODPLAIN
- EXISTING PERCOLATION TEST HOLE, PASSED
- SEPTIC EASEMENT TO BE REMOVED
- SEPTIC EASEMENT TO BE ADDED
- EXISTING SEPTIC EASEMENT TO REMAIN

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	C
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B
MaC	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B
MkF	MANOR-BRINKLOW COMPLEX, 25 TO 65 PERCENT SLOPES, VERY ROCKY	B



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

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6. TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES, LLC DATED SEPTEMBER 2010.
7. PROPERTY ADDRESSES: 12869 LIME KILN ROAD.
8. DEED REFERENCE: LIBER 12580, FOLIO 00016.
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12. FOREST CONSERVATION HAS BEEN PROVIDED FOR THIS LOT UNDER F-06-107.
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16. PERC HOLE LOCATIONS AND ELEVATIONS SHOWN BASED ON PERCOLATION CERTIFICATION PLAN SIGNED ON OCTOBER 1, 2007.
17. THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE LOCATION OF THE WELL BOX AND RECONFIGURE THE SEPTIC EASEMENT INTO TWO PARTS ON LOT 19.

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

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

B. Wilson for Peter Bidensson 3/20/2012
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

**AMENDED PERCOLATION CERTIFICATION PLAN
LIME KILN VALLEY, PHASE I & II**

LOT 19
12869 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
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Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saaland.com

DESIGN BY: SJT
DRAWN BY: SJT
CHECKED BY:
SCALE: AS SHOWN
DATE: MARCH 7, 2012
PROJECT #: 10-021
SHEET #: 1 of 1

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