

LAYOUT 10/15/12 INSP 4 _____
 INSP 2 10/18/12 INSP 5 _____
 INSP 3 10/22/12 INSP 6 _____

ISSUE DATE: 10-2-12

PERMIT

P 538078

APPROVAL DATE: 11/26/12

A _____

Tax ID # 05-450691

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH**

Level Land Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Lime Kiln Valley LOT NUMBER: 19

ADDRESS: 12869 Lime Kiln Road PROPERTY OWNER: Maple WLC

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1000 [?] COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE: 7,714 Trenches 3' Wide
Inlet 5'

LINEAR FEET OF TRENCH REQUIRED: 165-180' Bottom 6.5'

4x45' Trenches

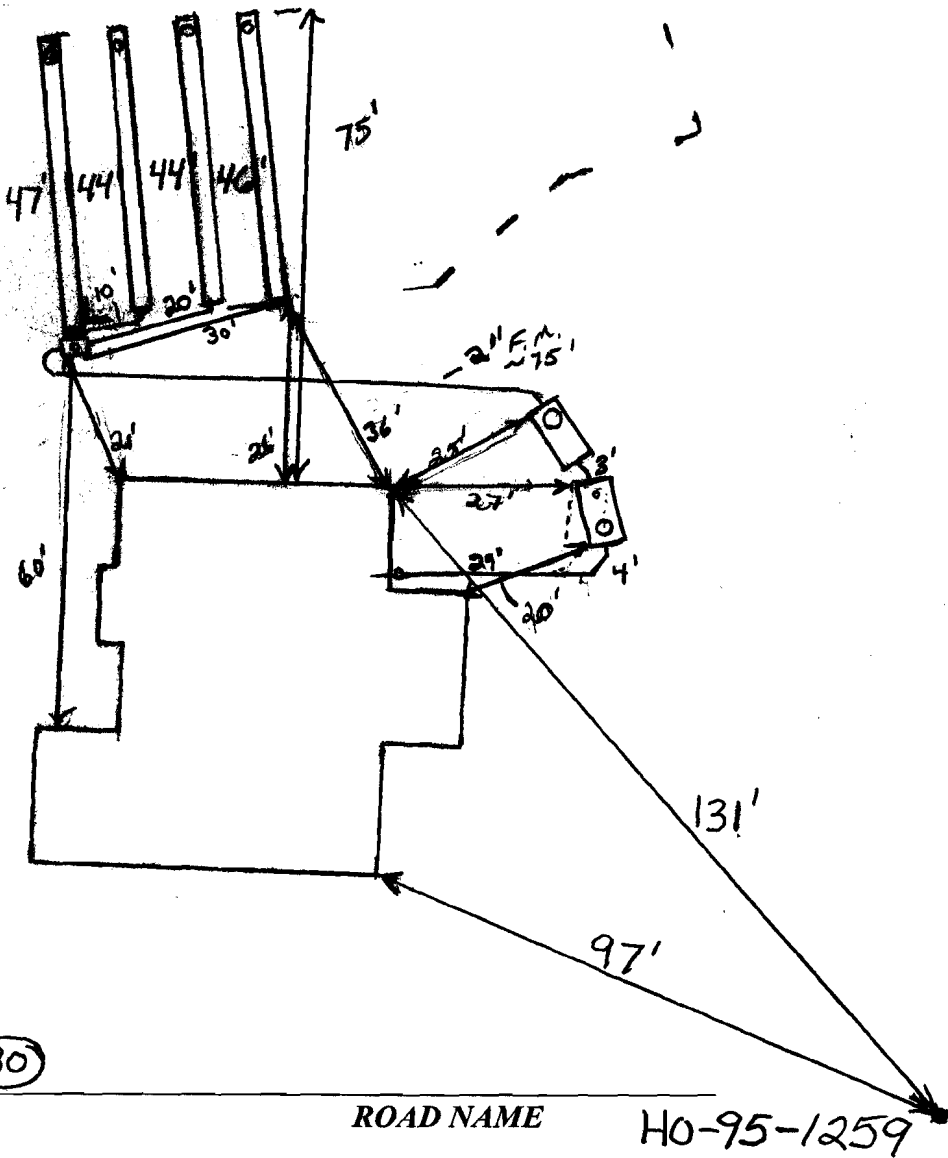
TRENCHES:	Trenches to be 2.0 feet wide. Inlet is at 3.0 feet below original grade with 3.0 feet of stone below the distribution pipe. Bottom maximum depth is 6.0 feet below original grade. Effective sidewall begins at 4.5 feet below original grade. Maintain at least 8.0 feet of spacing between trenches.
LOCATION:	Set septic tank and pump tank per plan. Set distribution box at upper septic reserve corner nearest to house. Install 3 x 40' and 1 x 45' trenches on contour.
NOTES:	Do not order the septic tank until after layout inspection and Sanitarian approval. Stake easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet. <i>Pump & Alarm test must be approved prior to use & occupancy!</i>

PLANS APPROVED: Robert Bricker DATE: 10/1/12

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	5'	6.5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		181'
ABSORPTION AREA		543+Sidewall
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		90° bend
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL
 MANUFACTURER Babylon
 CAPACITY 2000 GAL
 SEAM LOC Top
 TANK LID DEPTH 3'
 BAFFLES Yes
 BAFFLE FILTER —
 MANHOLE LOC Front
 6" PORT LOC Rear
 WATERTIGHT TEST —
 SLOTTED Yes
 DATE ON LID

PUMP/SEPTIC TANK LEVEL Yes
 MANUFACTURER Babylon
 CAPACITY 1500 GAL
 SEAM LOC Top
 TANK LID DEPTH 2.5-3.5'
 BAFFLES Front
 BAFFLE FILTER No
 MANHOLE LOC Rear
 6" PORT LOC none
 WATERTIGHT TEST No
 SLOTTED No
 DATE ON LID 9/8/2012

PRE-CONSTRUCTION:

10/15/2012 Install four 45' trenches on contour across the top of the closest septic easement. Set the tanks near where shown on the B.P. plan but keep them a little closer to the septic easement so that they are further out of the bottom of the water diversion area. For some reason the permit calls for a 1000 gallon pump chamber. (BB)

INSTALLATION:

10/18/2012 Trenches done. Pump chamber installed. (BB)
 10/22/12 System complete S.T. set 18' from foundation. Need caps on dos pipes. OK to cover work. Need p/A test (KJ)
 Spoke w/ contractor about not moving 20' set back w/ tank. Builder must take responsibility of 18' w/ signed letter of understanding along w/ homeowner signature. Or move tank to meet 20'. 10/24/12 S.T. moved 20' from dwelling. Need p/A test for final approval (KJ) 11/26/12 P/A complete

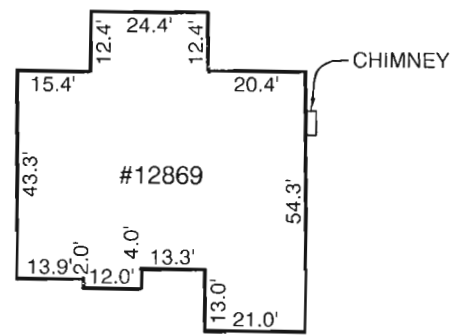
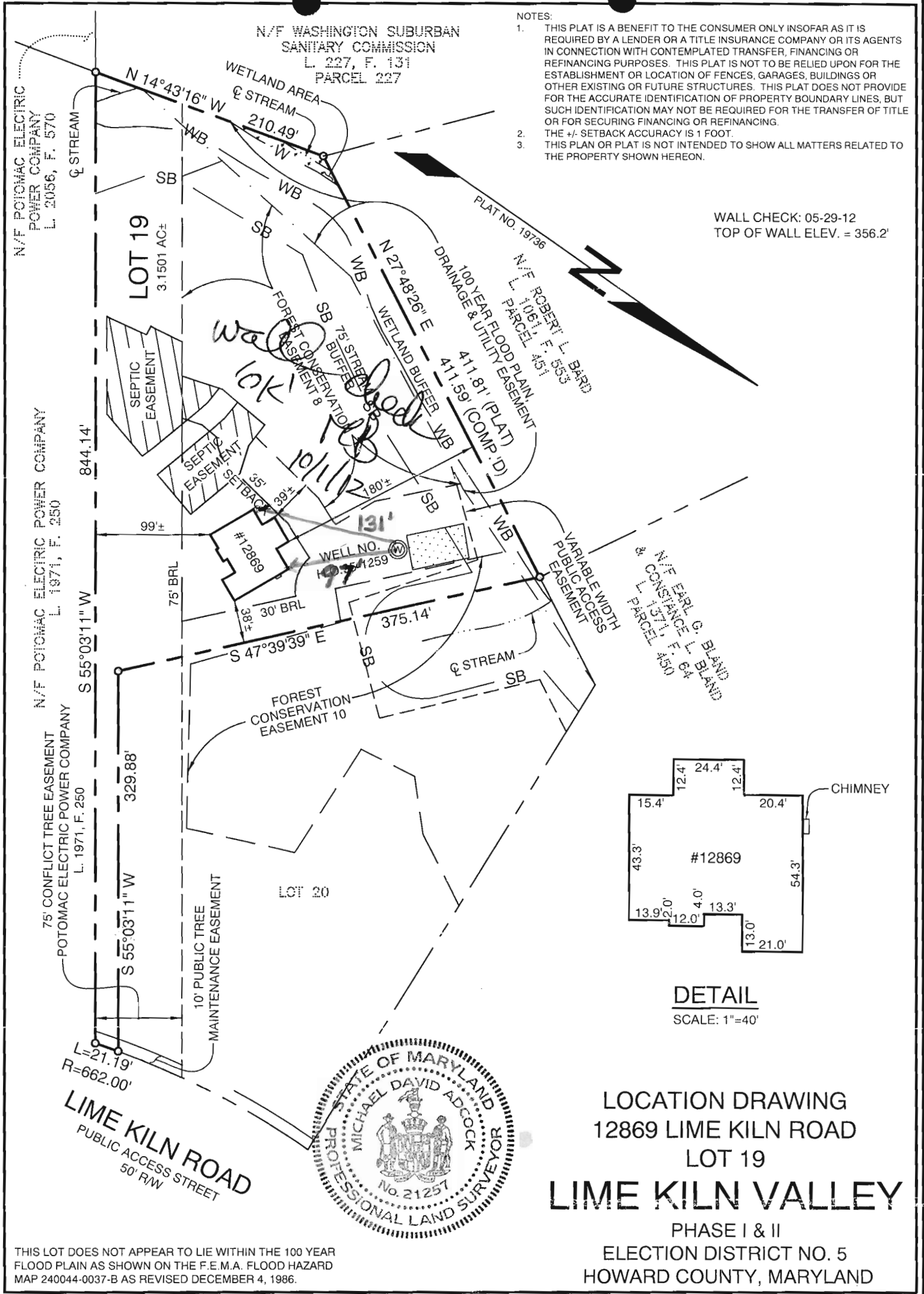
FINAL INSPECTOR [Signature]

DATE OF APPROVAL 11/26/12

NOTES:

1. THIS PLAT IS A BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING PURPOSES. THIS PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE STRUCTURES. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR FOR SECURING FINANCING OR REFINANCING.
2. THE +/- SETBACK ACCURACY IS 1 FOOT.
3. THIS PLAN OR PLAT IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.

WALL CHECK: 05-29-12
TOP OF WALL ELEV. = 356.2'



DETAIL
SCALE: 1"=40'



LOCATION DRAWING
12869 LIME KILN ROAD
LOT 19
LIME KILN VALLEY
PHASE I & II
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

THIS LOT DOES NOT APPEAR TO LIE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE F.E.M.A. FLOOD HAZARD MAP 240044-0037-B AS REVISED DECEMBER 4, 1986.

CERTIFICATION

I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS LOCATION DRAWING AND THE SURVEY WORK REFLECTED IN IT, IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLE 9, SUBTITLE 13, CHAPTER 06, REGULATION 12, AND THE POSITION OF EXISTING IMPROVEMENTS AS SHOWN HEREON, ARE CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Michael D. Adcock

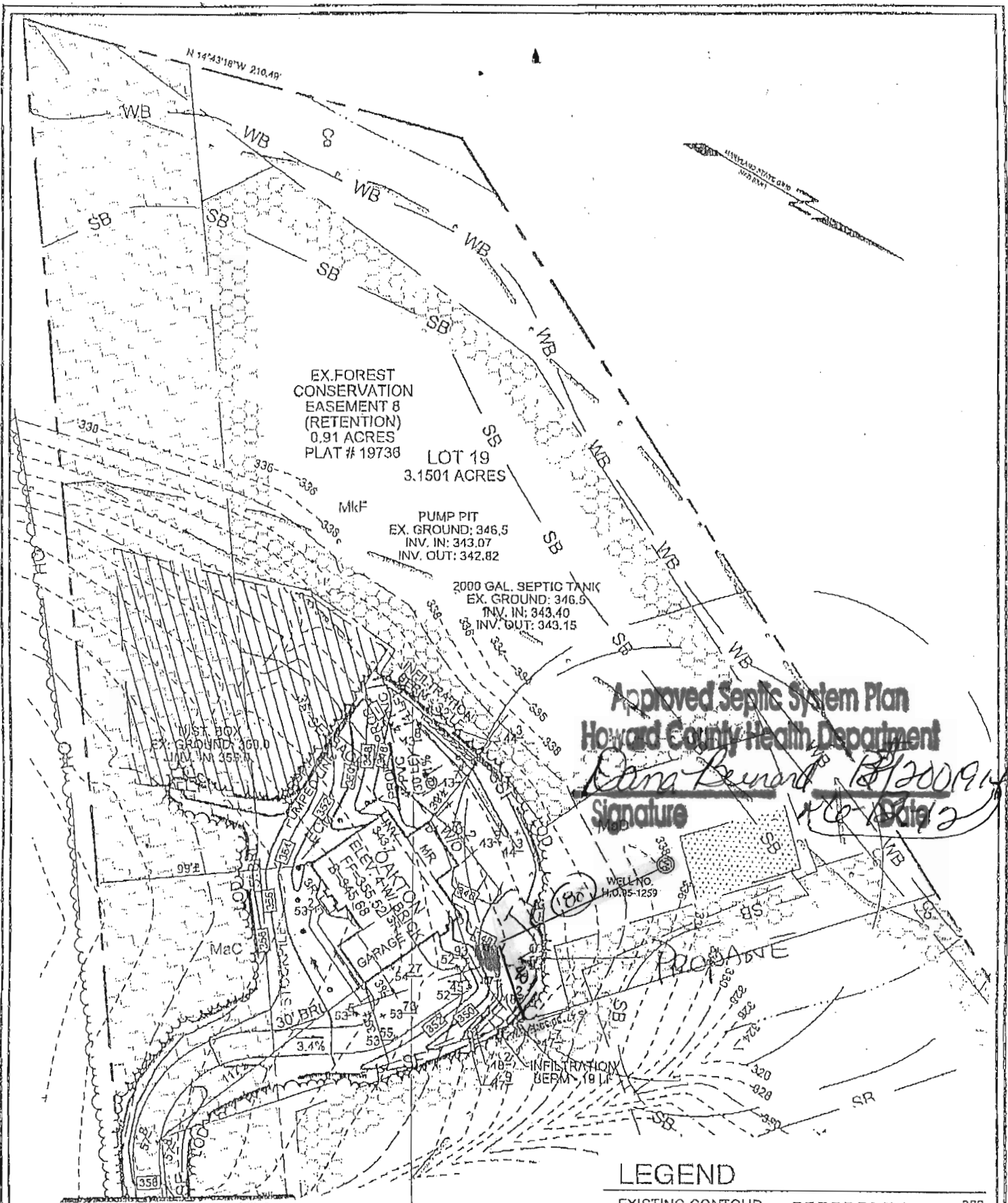
MICHAEL D. ADCOCK
PROFESSIONAL LAND SURVEYOR
NO. 21257, EXPIRATION DATE: 06-16-2013

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: mike@saaland.com

REFERENCE:	PLAT NO. 19736
DATE:	MAY 29, 2012
SCALE:	1"=100'
FILE NO.:	10-021



Approved Septic System Plan
Howard County Health Department

Dana Leonard 12/20/11
Signature

LEGEND

- EXISTING CONTOUR 302
- PROPOSED CONTOUR 382
- PROPOSED SPOT ELEVATION +02.53
- DIRECTION OF FLOW

- NOTE:
- 1) STORMWATER MANAGEMENT FOR THE HOUSE AND DRIVEWAY WILL BE SATISFIED BY SHEET FLOW TO CONSERVATION AREA WITH AN INFILTRATION BERM.
 - 2) DISTURBED AREA = 32,541 SQ.FT.
 - 3) EXISTING WELLS (HO-95-1259) WAS FIELD LOCATED BY SILL, ADCOCK, & ASSOCIATES, LLC IN JULY, 2010.
 - 4) A PUMP TANK WILL BE REQUIRED FOR SEWERPAGE.

Sill · Adcock & Associates · LLC

Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Bellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saaland.com

DEVELOPER
CRAFTMARK HOMES
6820 ELM STREET, SUITE 102
MGLEAN, VIRGINIA 22101
(703) 207-0502

OWNER
MAPLE W, LC
5774 DORSEY HALL DRIVE, SUITE 205
BELLICOTT CITY, MARYLAND 21042
(410) 720-3021

DESIGN BY:	SJT
DRAWN BY:	SJT
CHECKED BY:	PS
SCALE:	1"=60'
DATE:	DECEMBER 26, 2011
PROJECT #:	10-021
SHEET #:	1 OF 2

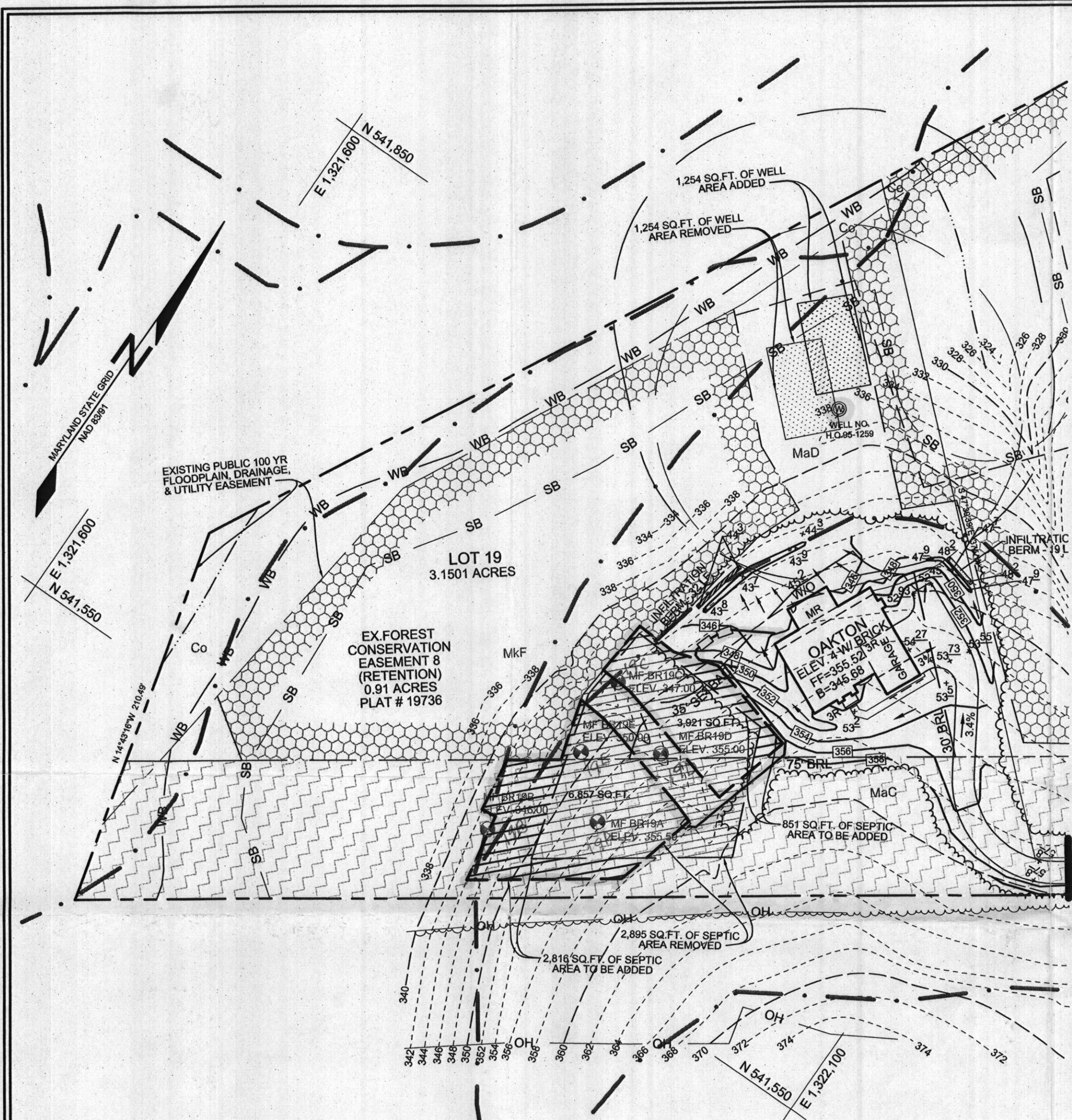
HOUSE SITE
LIME KILN VALLEY II
LOT 19
12869 LIME KILN ROAD

agw
12/24

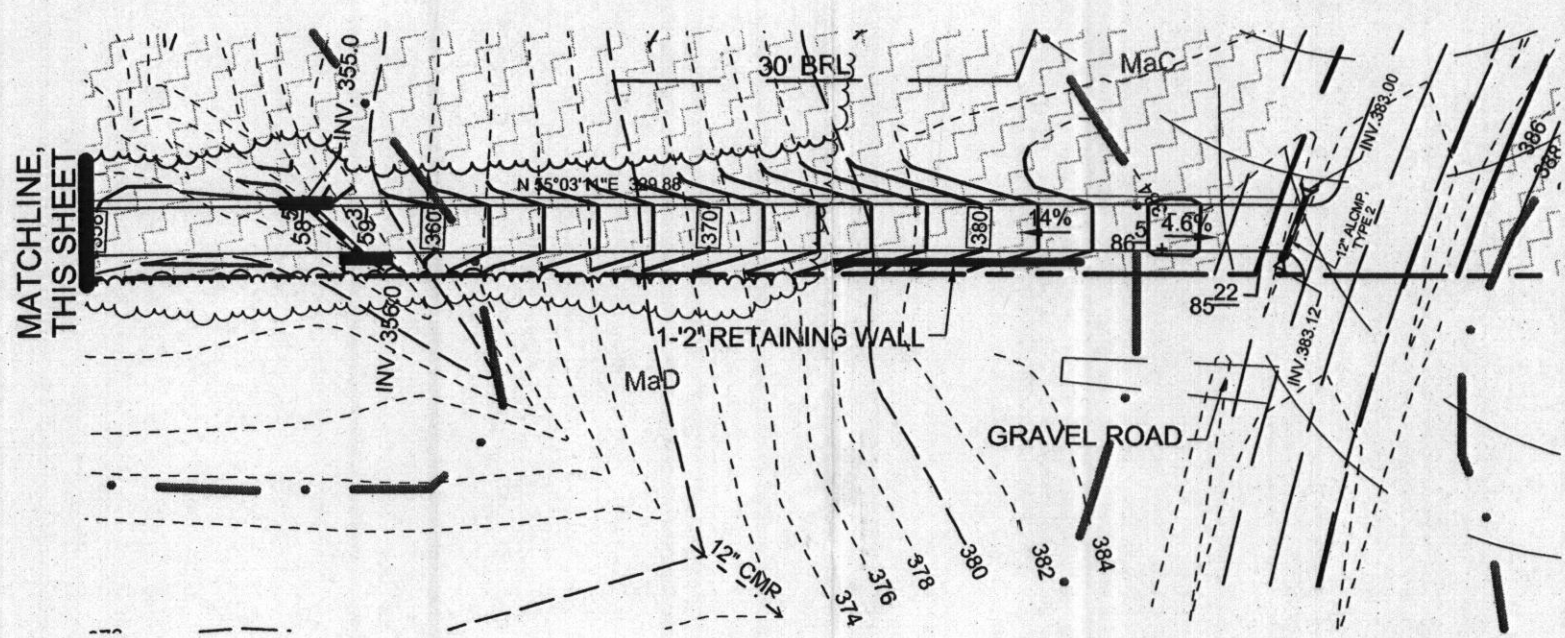
TAX MAPS 40 & 45 GRIDS 21 & 4
FIFTH ELECTION DISTRICT

PARCELS 114 & 12
HOWARD COUNTY, MARYLAND

MATCHLINE, SHEET 2



PLAN VIEW
SCALE: 1"=50'

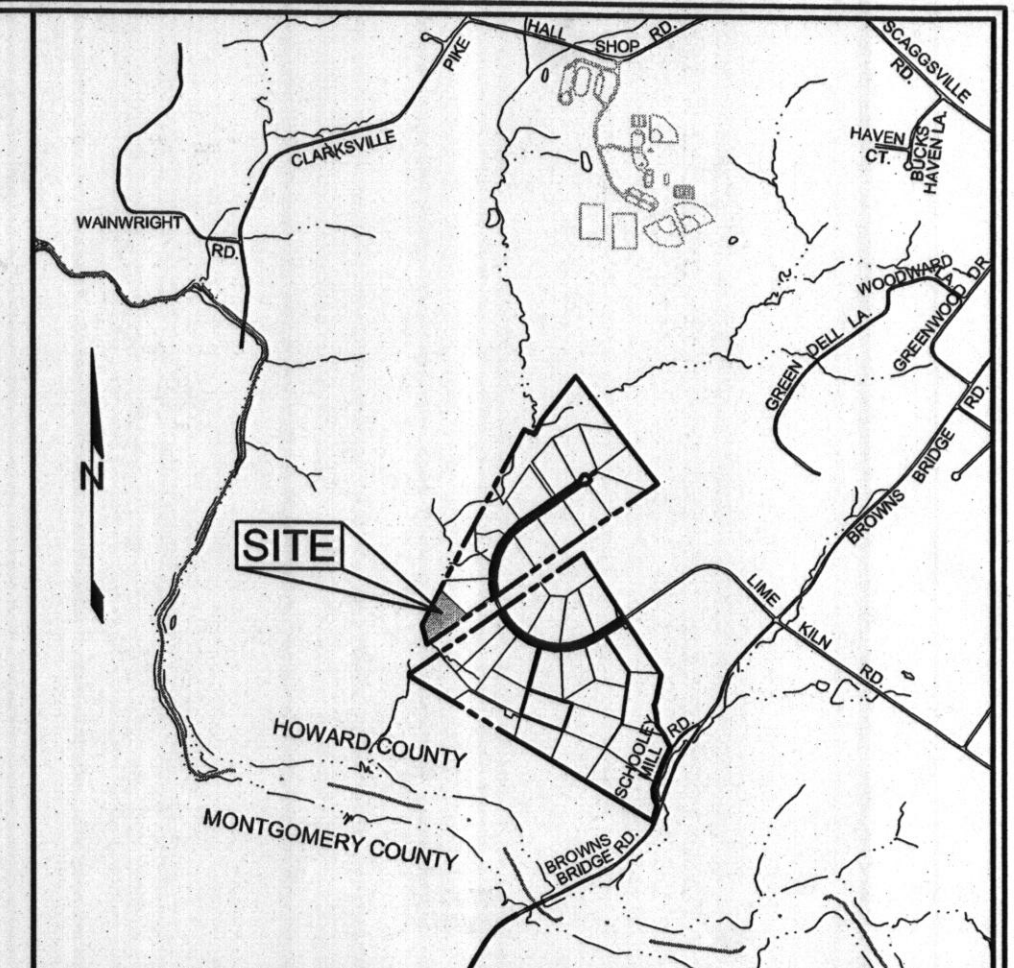


LEGEND

EXISTING CONTOUR	---	382
PROPOSED CONTOUR	—	382
EXISTING SPOT ELEVATION	•	382.3
PROPOSED SPOT ELEVATION	•	+82.53
DIRECTION OF FLOW	→	
EXISTING TREELINE	~~~~~	
SOIL BOUNDARY	-·-·-	
STREAM	====	
STREAM BUFFER	SB	SB
WETLAND BUFFER	WB	WB
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
MaD	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**
- 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.
 - 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 AND RECONFIGURE THE SEPTIC EASEMENT INTO TWO PARTS ON LOT 19.

Approved Septic System Plan
Howard County Health Department
Dana Bernard 3-21-12
Signature Date

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 SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Dana Bernard 3/20/2012
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

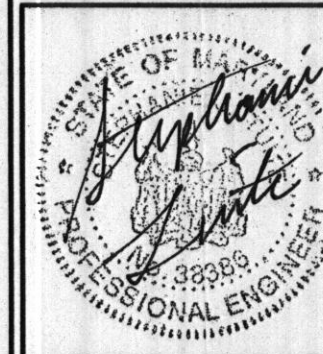
AMENDED PERCOLATION CERTIFICATION PLAN

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



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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

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, 2014