

LAYOUT 11/9/07 (KW) INSP 4 _____
INSP 2 11/15/07 (BB) INSP 5 _____
INSP 3 11/16/07 (BB) INSP 6 _____

ISSUE DATE: _____

PERMIT

P 527880

APPROVAL DATE: 11/20/07 (KW)

A 518543

TAX ID# 05-445272
**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

South Carroll Backhoe IS PERMITTED TO INSTALL ALTER

ADDRESS: 4410 Salem Bottom Rd. PHONE NUMBER: (410) 875-4197

SUBDIVISION: Clarksville Overlook (Macbeth Farms) LOT NUMBER: 33

ADDRESS: 12823 Macbeth Farm Lane PROPERTY OWNER: NV Homes

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

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

APPLICATION RATE (gpd/sq. ft.): 1.2

LINEAR FEET OF TRENCH REQUIRED: 173

TRENCHES:	Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 5 feet below original grade. 3 feet of stone below distribution pipe.
LOCATION:	Install per plan unless otherwise directed by HCHD personnel at the layout inspection.
NOTES:	45 degree bends with minimum 18" of straight pipe separation between tank and house. 90 degree bends prohibited prior to septic tank.

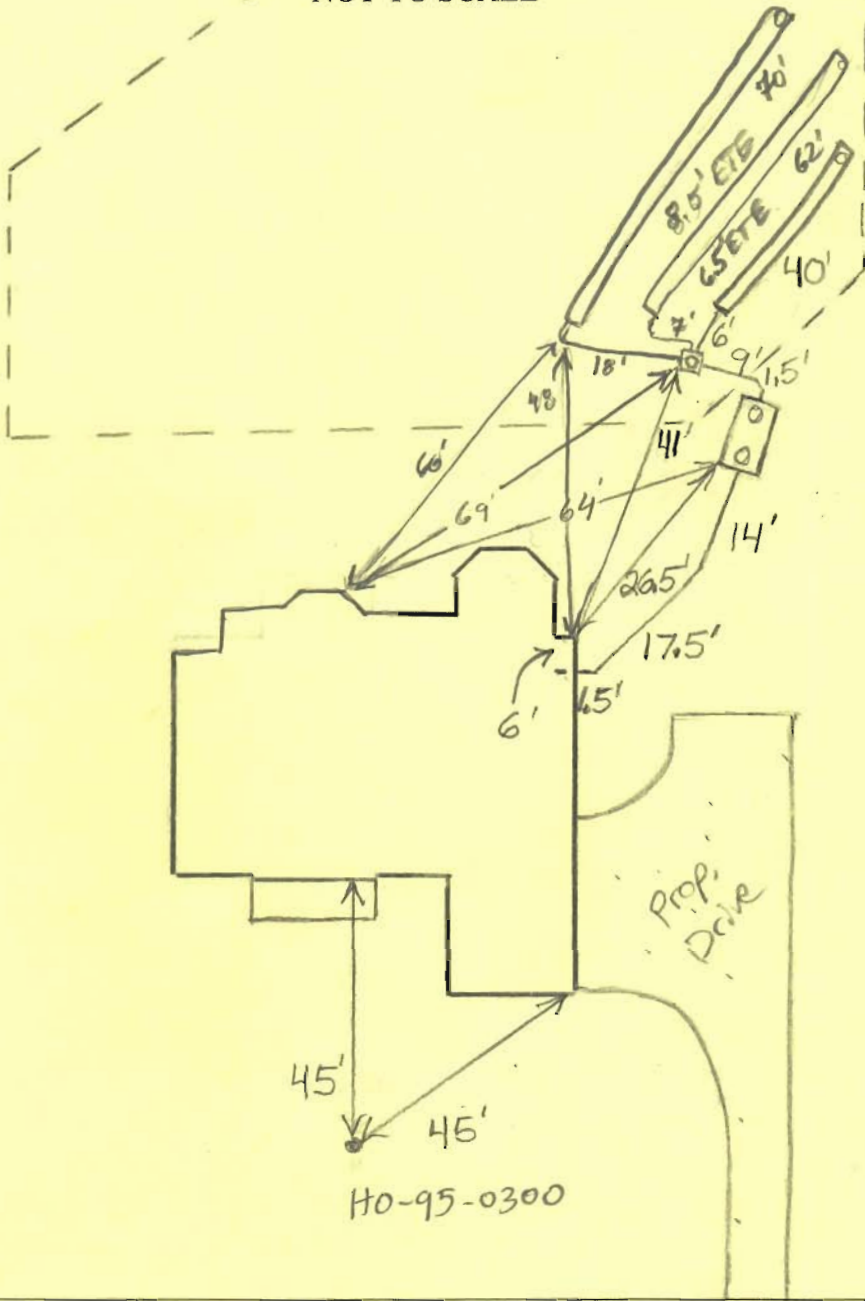
PLANS APPROVED: Sara Fegel DATE: 6/22/2007

- 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 UNLESS SPECIFICALLY AUTHORIZED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

4518543

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	6'
NUMBER OF TRENCHES		3
TOTAL LENGTH		172'
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-2'
BAFFLES	Need Front
BAFFLE FILTER	No
MANHOLE LOC	Front / Rear
6" PORT LOC	None
WATERTIGHT TEST	No
<hr/>	
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

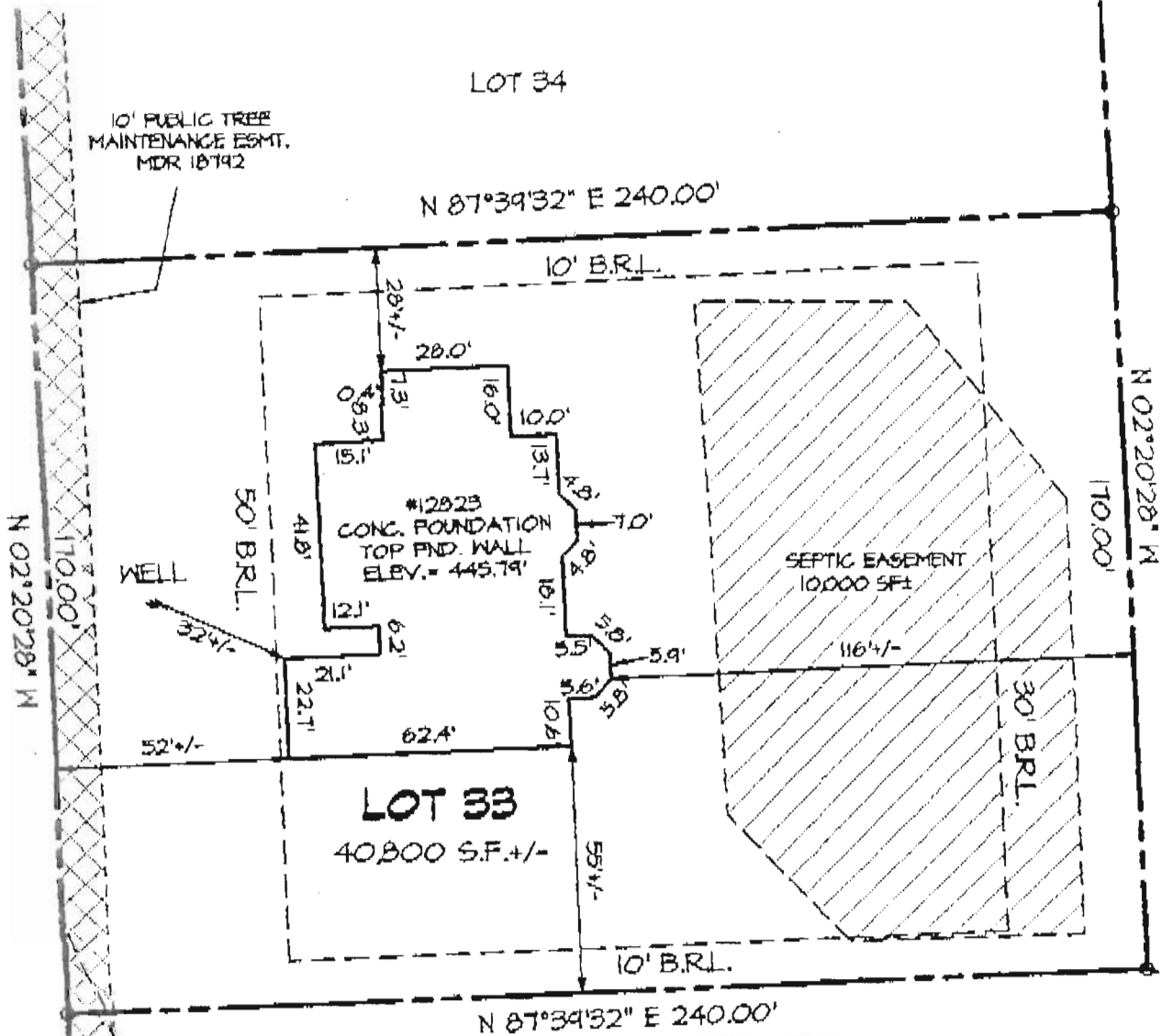
PRE-CONSTRUCTION
 11/9/07 Keep Tank 20' from dwelling. Place D box top corner of SRA near tank, install a 40', 60' and 70' on center. Keep trenches 10' from adjacent prop. line (RW) 11/15/07 Tank set. House connection made. Top trench done. (BB) 11/16/07 Working on second trench. (BB) 11/20/07 System finished. D box checked w/ water. install a 1" hole close (ETE) from top trench. OK to cover (RW)

INSTALLATION: and 70' on center. Keeps trenches 10' from adjacent prop. line (RW) 11/15/07 Tank set. House connection made. Top trench done. (BB) 11/16/07 Working on second trench. (BB) 11/20/07 System finished. D box checked w/ water. install a 1" hole close (ETE) from top trench. OK to cover (RW)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 11/20/07

NON-BUILDABLE
PRESERVATION PARCEL 'F'

MARYLAND STATE
GRID MERIDIAN (MAD 1884)
MACBETH FARM LANE
(50' PUB. R/W)



N 87°39'32" E 240.00'

Not to scale

ACCURACY LIMITATIONS

LOT BOUNDARY - AS CALLED
BUILDING DIMENSIONS - +/- 0.2'
BUILDING TO LOT LINE - +/- 1'

- 1) THIS LOCATION SURVEY HAS BEEN PREPARED UTILIZING DEEDS, PLATS OF RECORD AND INSPECTION OF THE SUBJECT PROPERTY ONLY.
- 2) THIS PROPERTY MAY BE SUBJECT TO EASEMENTS AND RIGHTS-OF-WAY OF RECORD THAT MAY NOT BE SHOWN HEREON.
- 3) THIS IS A LOCATION SURVEY ONLY AND DOES NOT CONSTITUTE AND IS NOT INTENDED TO BE A BOUNDARY SURVEY. THIS PLAT SHOULD NOT BE RELIED UPON FOR ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER PHYSICAL IMPROVEMENTS.
- 4) THIS PLAT IS OF BENEFIT TO A CONSUMER INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER OF FINANCING OR RE-FINANCING.

CONVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE ELEVATIONS SHOWN ON THIS PLAT ARE CORRECT AND ACCURATE TO + or - 0.05' AND WERE DETERMINED FROM A LOCATION SURVEY UTILIZING THE PROJECT VERTICAL CONTROL AND PERFORMED UNDER MY DIRECT SUPERVISION ON SEPTEMBER 17, 2007.

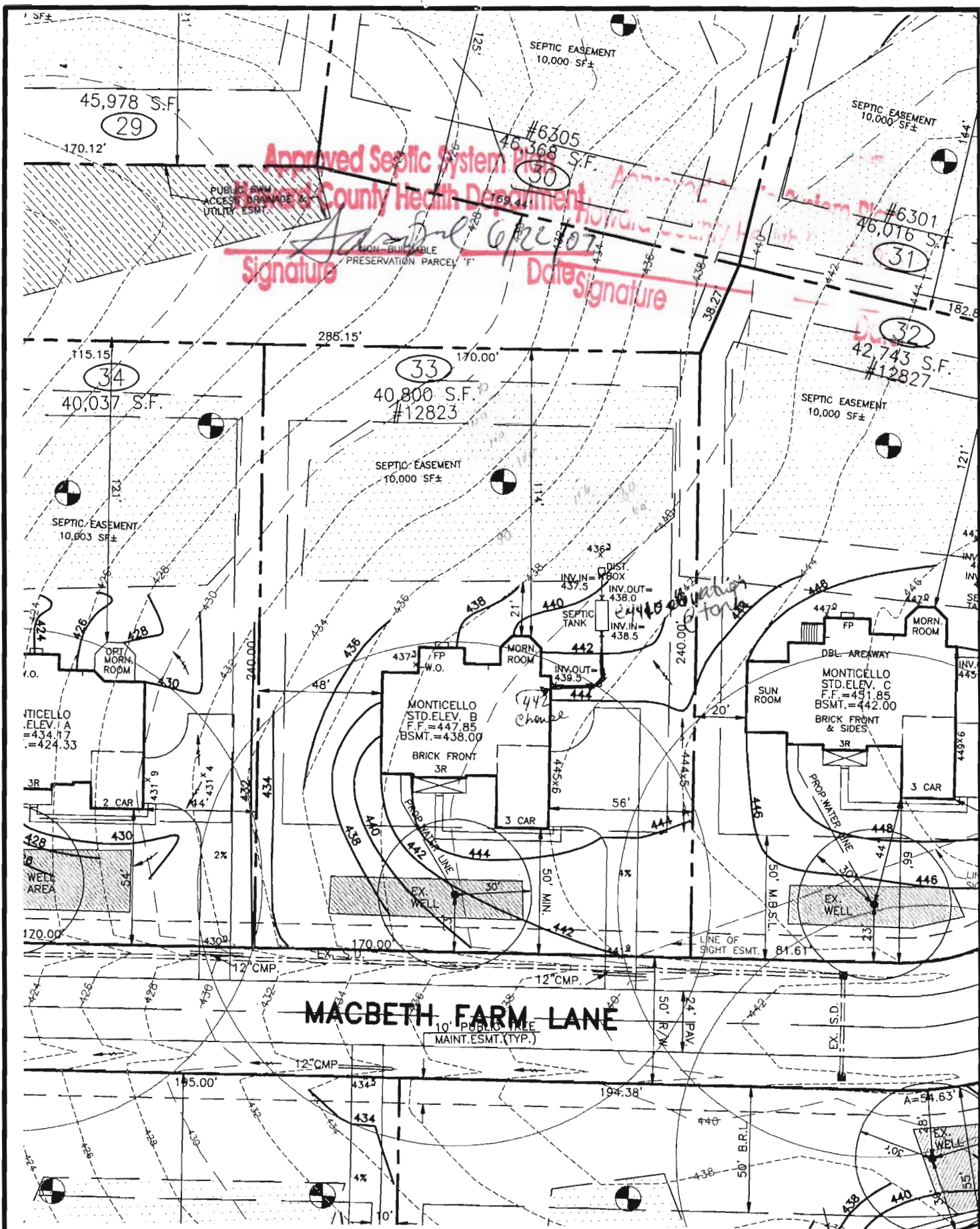
[Signature]
L. EVANS, JR.
PROFESSIONAL LAND SURVEYOR
NO. 21085
DATE: 10/3/2007



MORRIS & RITCHIE ASSOCIATES, INC.
ENGINEERS, PLANNERS, SURVEYORS, AND LANDSCAPE ARCHITECTS
14280 PARK CENTER DRIVE, SUITE A
LAUREL, MD 20707
(410) 792-9792
FAX: (410) 792-7395

AS-BUILT FOUNDATION PLAN
MACBETH FARMS
12823 MACBETH FARM LANE
LOT #33
PLAT M.D.R. NO. 18792
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
FOR: N.V. HOMES

1" = 50'	DATE: 10/03/2007	DRAWN BY: AHB	REVIEW BY: KLE	JOB NO. 149
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Approved Septic System Plan
Howard County Health Department
 Signature: _____ Date: 04/18/07

THE EXISTING WELL SHOWN ON THIS PLAN, WELL TAG #HO-95-0300 HAS BEEN FIELD LOCATED BY MORRIS & RITCHIE ASSOC. INC, PROFESSIONAL LAND SURVEYORS, AND IS ACCURATELY SHOWN.

DIRT IMPORT REQUIRED: 725 YDS.±
 DIRT EXPORT REQUIRED: 000 YDS.±

SETBACKS: RR-DEO

FRONT YARD: 50' MIN.
 SIDE YARD: 10' MIN.
 REAR YARD: 30' MIN.

EJECTOR REQUIRED TO SEWER BASEMENT.

BUILDER
 N.V.HOMES
 6085 MARSHALEE DRIVE, SUITE 130
 ELKRIDGE, MARYLAND 21075
 PH.:410-379-5956

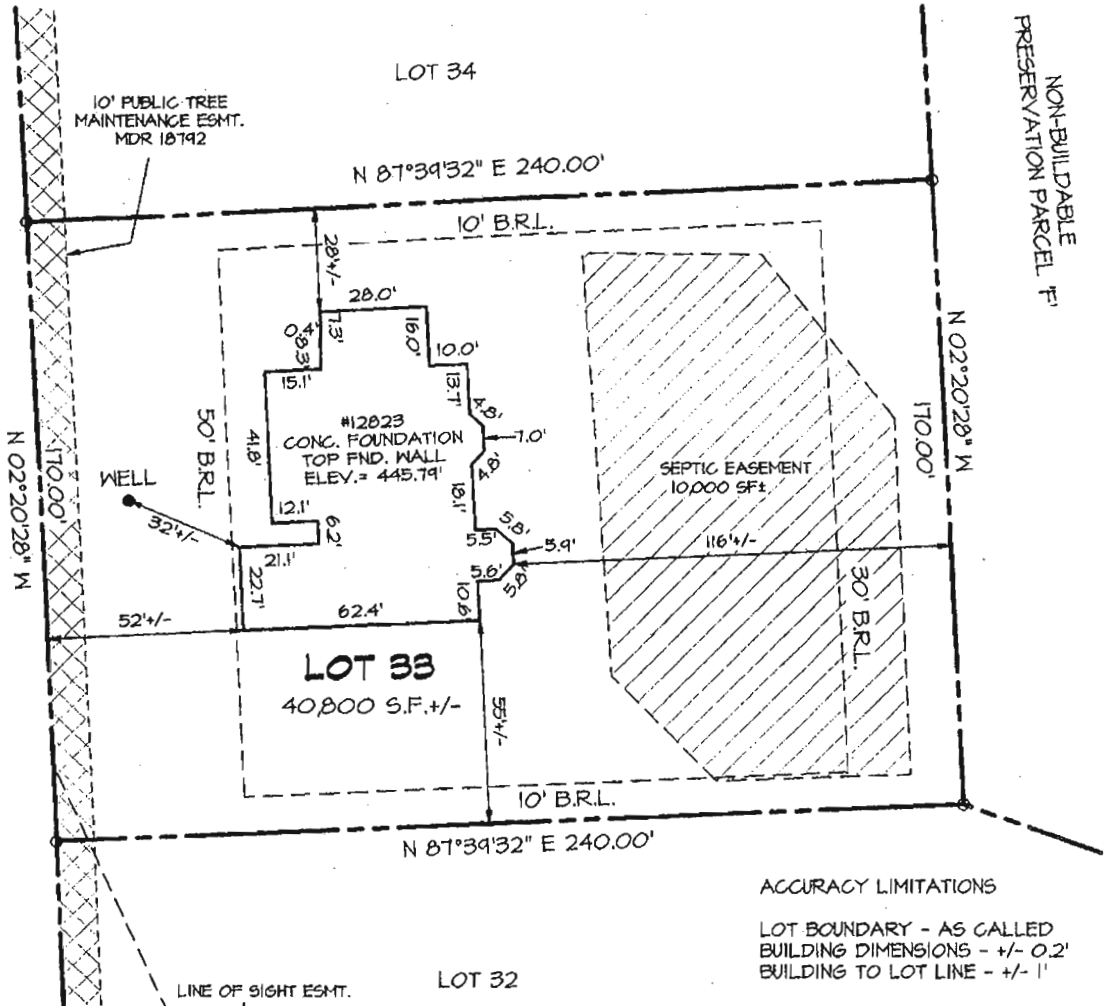
MORRIS & RITCHIE ASSOCIATES, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS, & LANDSCAPE ARCHITECTS
 3445-A Box Hill Corporate Center Drive
 Abingdon, Maryland 21009
 (410) 515-9000
 Fax: (410) 515-9002

SITE AND GRADING PLAN
 FOR
CLARKSVILLE OVERLOOK
 (A.K.A. MACBETH FARMS)
LOT 33 #12823 MACBETH FARM LANE
 4TH ELECTION DISTRICT HOWARD CO., MARYLAND



MARYLAND STATE GRID MERIDIAN (NAD 83/91)

MACBETH FARM LANE (50' PUB. R/W)



NON-BUILDABLE PRESERVATION PARCEL F

ACCURACY LIMITATIONS

LOT BOUNDARY - AS CALLED
BUILDING DIMENSIONS - +/- 0.2'
BUILDING TO LOT LINE - +/- 1'

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE ELEVATIONS SHOWN HEREON ARE CORRECT AND ACCURATE TO + or - 0.05' OF VALUES SHOWN AND WERE DETERMINED FROM A FIELD RUN SURVEY UTILIZING THE PROJECT VERTICAL DATUM AND PERFORMED UNDER MY DIRECT SUPERVISION ON SEPTEMBER 17, 2007.

Kenneth L. Evans Jr.
KENNETH L. EVANS JR. DATE 10/3/2007
PROFESSIONAL LAND SURVEYOR
MD. REG. NO. 21085



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AS-BUILT FOUNDATION PLAN
MACBETH FARMS
12823 MACBETH FARM LANE
LOT #33
PLAT M.D.R. NO. 18792
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
FOR: N.V. HOMES

SCALE: 1" = 50'	DATE: 10/03/2007	DRAWN BY: AHB	REVIEW BY: KLE	JOB NO. 14948
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SEPTIC SPECIFICATIONS WORKSHEET

Subdivision Clarksville Overlook A 518543
 Street Name 12823 MacBeth Farm Ln Lot Number 33
 Average Percolation Rate(min./in.) 5 Application Rate (GPD/sq. ft.) 1.2
 Number of Bedrooms 5 Design Flow (BRx150) 750
 Square Footage (of House) 10,956 Septic Tank Capacity (gal.) 2000
 Sidewall Credit / % Reduction 1'183 Total Length of Trench (ft.) 173

*All Septic/Pump tanks must be top seamed unless otherwise approved by this agency.

*All Septic tanks must be compartmented unless otherwise approved by this agency.

Baffle Filter Required? Yes No $\frac{750}{1.2} = \frac{625}{3} = 208.3 \times 0.83 = 172.8$

TRENCH DIMENSIONS: Trench to 3 feet wide. Inlet at 3 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 5 feet below original grade. 3 feet of stone below the distribution pipe.

PUMP SYSTEM PROPOSED? YES NO

Pump system details: _____ gallon pump chamber

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test required prior to Health Department approval of pumped septic system.

LOCATION: _____

ADDITIONAL NOTES: Install system per plan unless directed by Health Dept. Layout inspections required prior to installation. 45° bends required between tank and house.

Reviewed by: SP

Date: 6/22/07