

LAYOUT 10/26/07 INSP 4 \_\_\_\_\_  
INSP 2 11/6/07 INSP 5 \_\_\_\_\_  
INSP 3 11/8/07 INSP 6 \_\_\_\_\_

ISSUE DATE: 9/24/07

APPROVAL DATE: 12/2/07

# PERMIT

*Logged into Permit Manager*  
TAX ID # 05-445299

P 5 27819

A 518543-F

## 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 (21157) PHONE NUMBER: 410-875-4197

SUBDIVISION: Clarksville Overlook LOT NUMBER: 35

ADDRESS: 12815 Macbeth Farm Lane PROPERTY OWNER: NV Homes

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

PUMP CHAMBER CAPACITY (GALLONS): 2000 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED: 193.75

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 3.0 feet of stone below distribution pipe.
LOCATION:	
NOTES:	Install system per plan unless directed by HCHD, keep septic tank outside of SDA. Layout inspection required prior to system installation.

PLANS APPROVED: Heidi Scott / Sara Fegel DATE: 8/14/2007

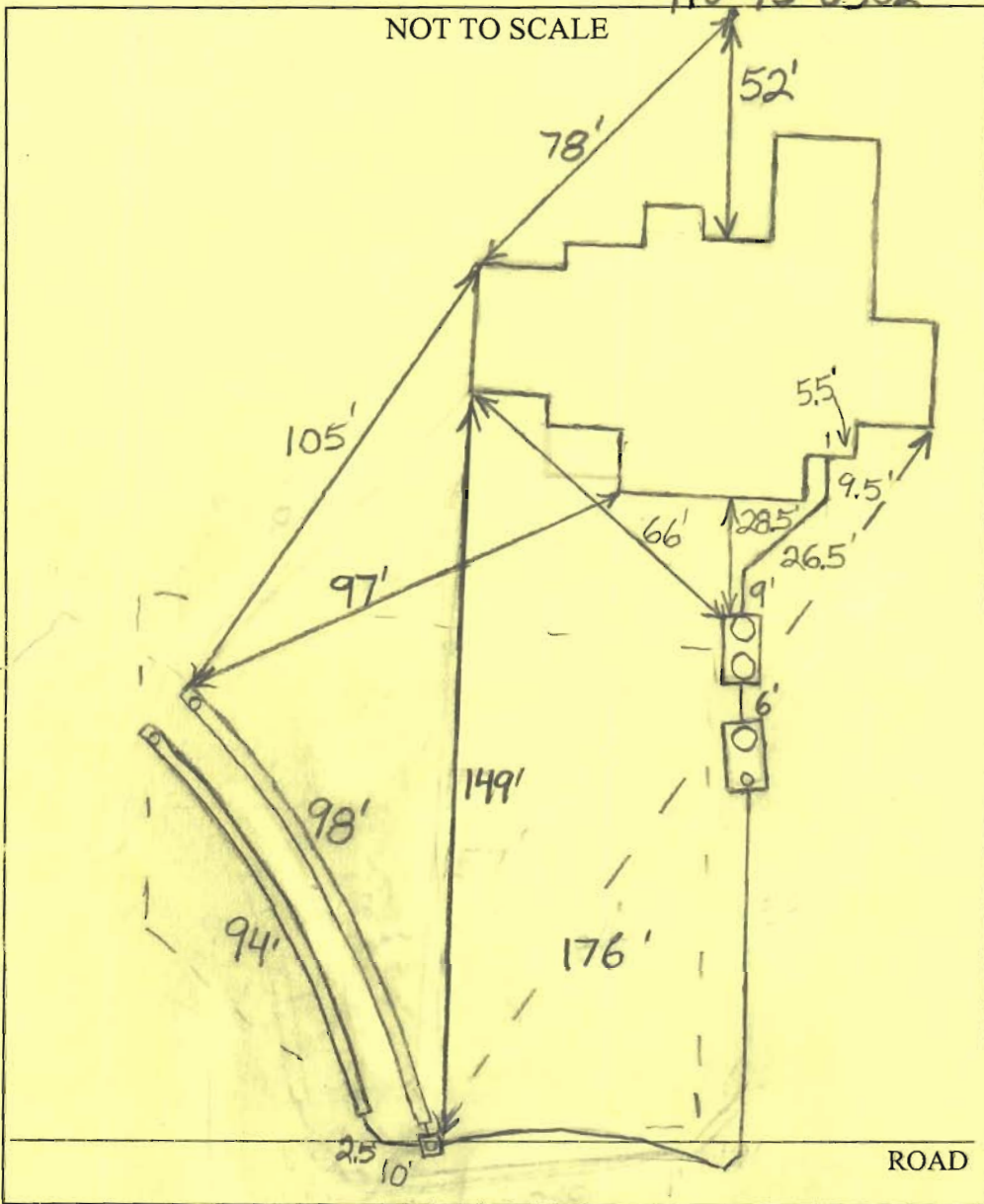
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND 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 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

A 518543-F

HO-95-0302

NOT TO SCALE

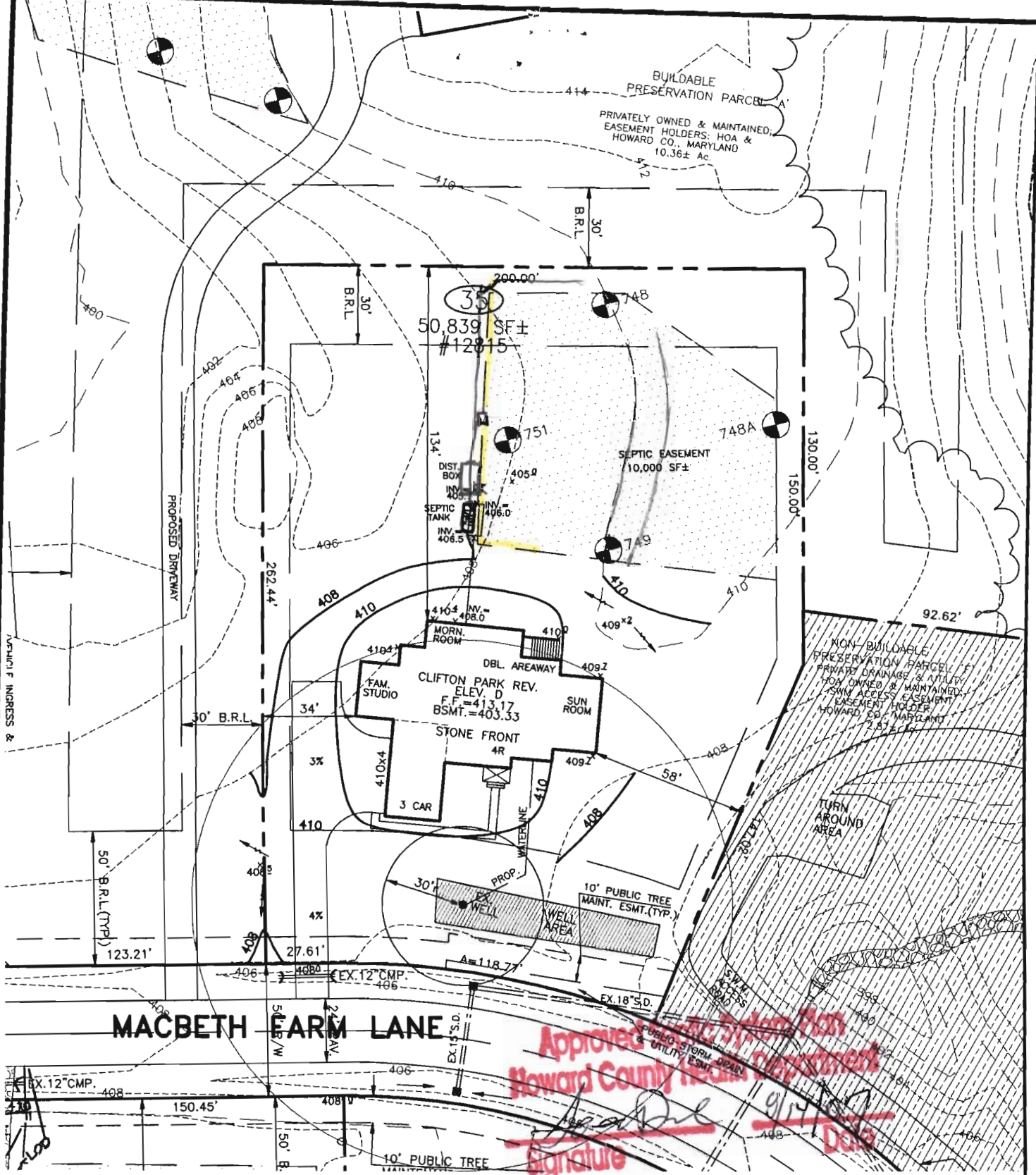


TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3-3.5'	6'
NUMBER OF TRENCHES <u>2</u>		
TOTAL LENGTH <u>192'</u>		
ABSORPTION AREA <u>576+Sidewall</u>		
DISTRIBUTION BOX LEVEL <u>Yes</u>		
DISTRIBUTION BOX BAFFLE <u>Elbow</u>		
DISTRIBUTION BOX PORT <u>Yes</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>0.5'-1'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front+Rear</u>
6" PORT LOC	<u>None</u>
WATERTIGHT TEST	<u>No</u>
SEPTIC TANK 2 LEVEL	<u>Yes</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>1'-2'</u>
BAFFLES	<u>Front</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>No</u>

PRE-CONSTRUCTION 10/26/07 Pumped system required. Place the distribution box near perc. test hole 748 and install  
 INSTALLATION stall a 100' and 94' trench on contour towards the house. (BB) 11/6/07 Tanks installed. Trenches installed. Need rear baffle in primary tank. Distribution box appears to be on neighbor's property. Asked installer to move box. Also need pump and alarm test and manhole risers. (BB) 11/8/07 Need pump and alarm test. (BB) Distribution box moved. (BB) 12/2/07 Pump and alarm working. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 12/2/07



06-07-07 REV. TO ELEV. D (TB)

DIRT IMPORT REQUIRED:	000 CY.±
DIRT EXPORT REQUIRED:	000 CY.±

THE EXISTING WELL SHOWN ON THIS PLAN, WELL TAG #HD-95-0302 HAS BEEN FIELD LOCATED BY MORRIS & RITCHIE ASSOC. INC, PROFESSIONAL LAND SURVEYORS, AND IS ACCURATELY SHOWN.

EJECTOR REQUIRED TO SEWER BASEMENT.

**SETBACKS: RR-DEO**

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

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

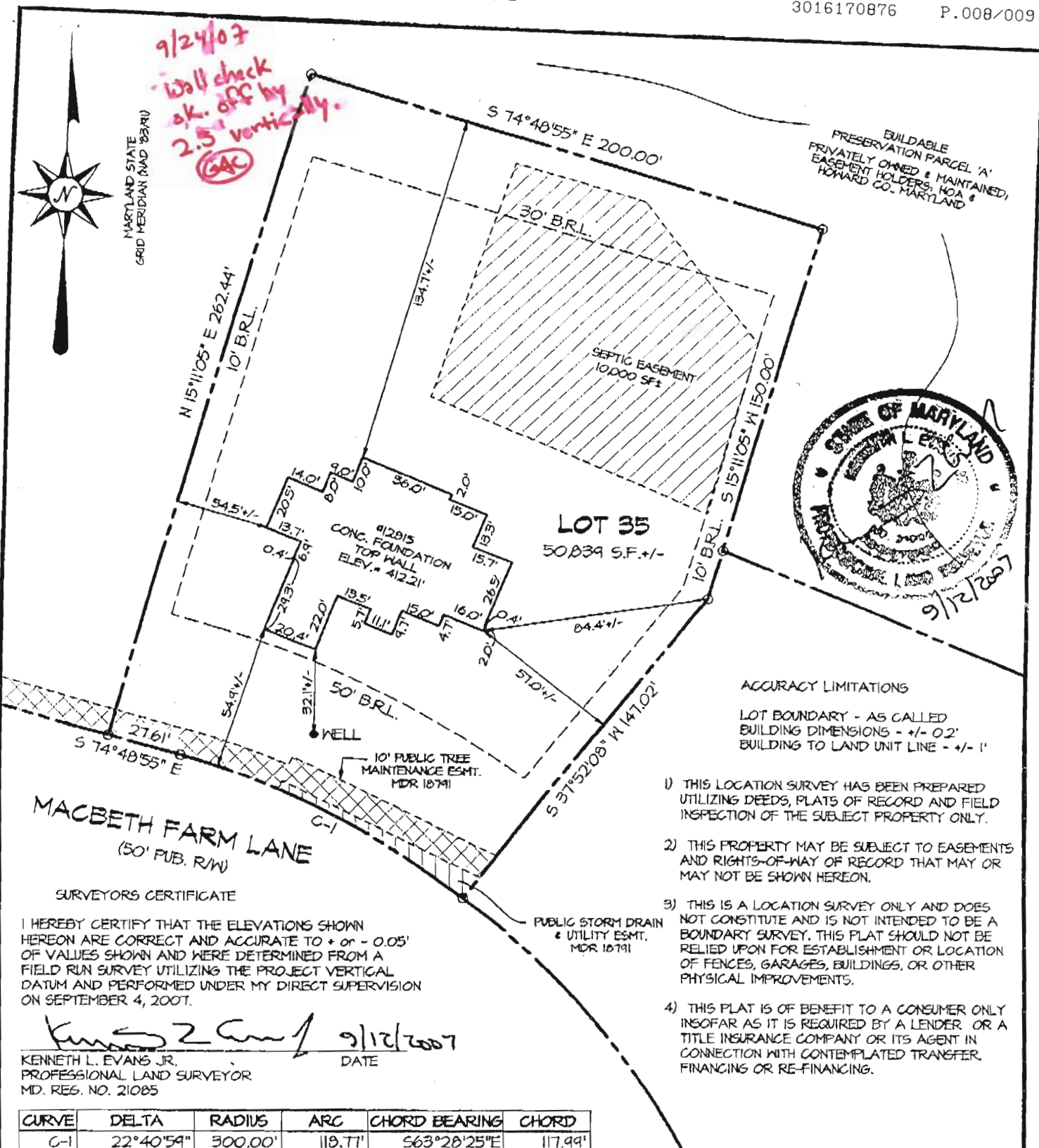
	<b>MORRIS &amp; RITCHIE ASSOCIATES, INC.</b> ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS, & LANDSCAPE ARCHITECTS 3445-A Box Hill Corporate Center Drive Abingdon, Maryland 21009 (410) 515-9000 Fax: (410) 515-9002	SITE AND GRADING PLAN FOR <b>CLARKSVILLE OVERLOOK</b> (A.K.A. MACBETH FARMS) LOT 35 #12815 MACBETH FARM LANE 4TH ELECTION DISTRICT HOWARD CO., MARYLAND
	SCALE: 1"=50' DATE: MAY 3, 2007 DRAWN BY: T.B. DESIGN BY: T.B. REVIEW BY:	JOB NO. 14948



MARYLAND STATE GRID MERIDIAN (NAD 83/11)

9/24/07  
 Walk check  
 o.k. off by  
 2.5' vertically.  
 (GAC)

BUILDABLE PRESERVATION PARCEL 'A' PRIVATELY OWNED & MAINTAINED; EASEMENT HOLDERS: HOA & HOWARD CO., MARYLAND



9/12/2007

- 1) THIS LOCATION SURVEY HAS BEEN PREPARED UTILIZING DEEDS, PLATS OF RECORD AND FIELD INSPECTION OF THE SUBJECT PROPERTY ONLY.
- 2) THIS PROPERTY MAY BE SUBJECT TO EASEMENTS AND RIGHTS-OF-WAY OF RECORD THAT MAY OR 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 ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING.

**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 4, 2007.

*Kenneth L. Evans Jr.* 9/12/2007  
 KENNETH L. EVANS JR. DATE  
 PROFESSIONAL LAND SURVEYOR  
 MD. REG. NO. 21085

CURVE	DELTA	RADIUS	ARC	CHORD BEARING	CHORD
C-1	22°40'59"	300.00'	119.77'	S63°28'25"E	117.99'

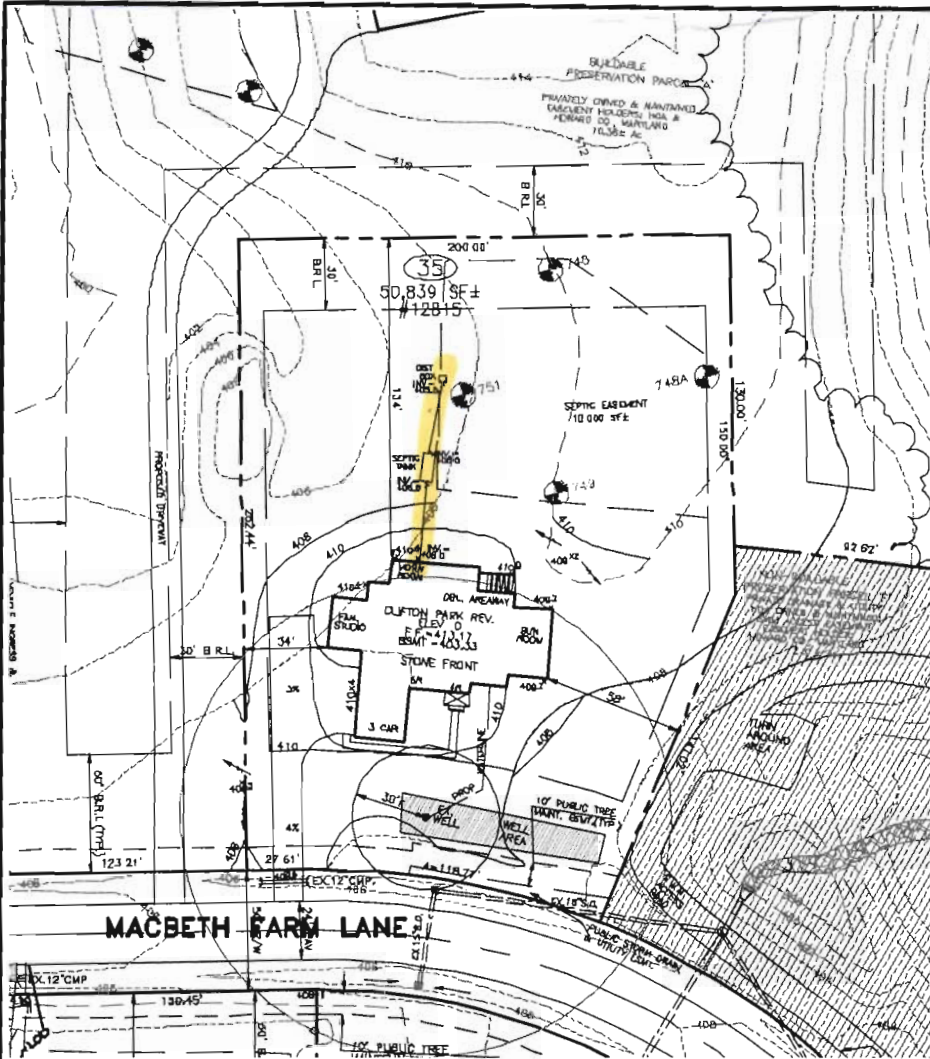


**MORRIS & RITCHIE ASSOCIATES, INC.**  
 ENGINEERS, PLANNERS, SURVEYORS, AND LANDSCAPE ARCHITECTS

14280 PARK CENTER DRIVE, SUITE A  
 LAUREL, MD 20707  
 (410) 792-9792  
 FAX: (410) 792-7395

**AS-BUILT FOUNDATION PLAN**  
 MACBETH FARMS  
 12815 MACBETH FARM LANE  
 LOT #35  
 PLAT M.D.R. NO. 18791  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
 FOR: N.V. HOMES

SCALE: 1" = 50'    DATE: 9/6/2007    DRAWN BY: JC    REVIEW BY: KLE    JOB NO. 14948



08-13-07 REV SEPTIC TANK LOCATION PER HOWARD COUNTY (TB)  
 06-07-07 REV TO ELEV. D (TB)

THE EXISTING WELL SHOWN ON THIS PLAN, WELL TAG #HD-95-0302  
 HAS BEEN FIELD LOCATED BY MORRIS & RITCHE ASSOC. INC.,  
 PROFESSIONAL LAND SURVEYORS, AND IS ACCURATELY SHOWN.

DIRT IMPORT REQUIRED: 000 CY. ±  
 DIRT EXPORT REQUIRED: 000 CY. ±

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  
 ELK RIDGE, MARYLAND 21075  
 PH: 410-379-5956

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	SCALE 1"=50' DATE: MAY 3, 2007 DRAWN BY: T.R. DESIGN BY: T.B. REVIEW BY: JOB NO: 14048		

P 5/0 7-9-07 804

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SEPTIC SPECIFICATIONS WORKSHEET

Subdivision Macbeth Farm A \_\_\_\_\_  
 Street Name \_\_\_\_\_ Lot Number 35  
 Average Percolation Rate(min./in.) 5.4 Application Rate (GPD/sq. ft.) 0.8  
 Number of Bedrooms 5 Design Flow (BRx150) 750  
 Square Footage (of House) 5,000 Septic Tank Capacity (gal.) 2000  
 Sidewall Credit / % Reduction 21.62% Total Length of Trench (ft.) 193.75

\*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

$$\frac{750}{0.8} = 937.5 = \frac{937.5}{3} = 312.5 \times .62$$

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 4 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, keep septic tank outside of SDA, layout inspection required prior to system installation

*(unless directed by HCHD)*

Reviewed by: HS / SF

Date: 8/14/07