

LAYOUT 2/5/08 INSP 4 2/8/08  
INSP 2 2/6/08 INSP 5 \_\_\_\_\_  
INSP 3 2/7/08 INSP 6 \_\_\_\_\_

ISSUE DATE: 1/22/08

APPROVAL DATE: 2/8/08

# PERMIT

P 528448

A 518543

TAX ID # 05445035

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

South Carroll Backhoe, Inc IS PERMITTED TO INSTALL  ALTER

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

SUBDIVISION: Macbeth Farm LOT NUMBER: 11

ADDRESS: 12856 Macbeth Farm Lane PROPERTY OWNER: NVR Inc

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

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 5'-7'

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

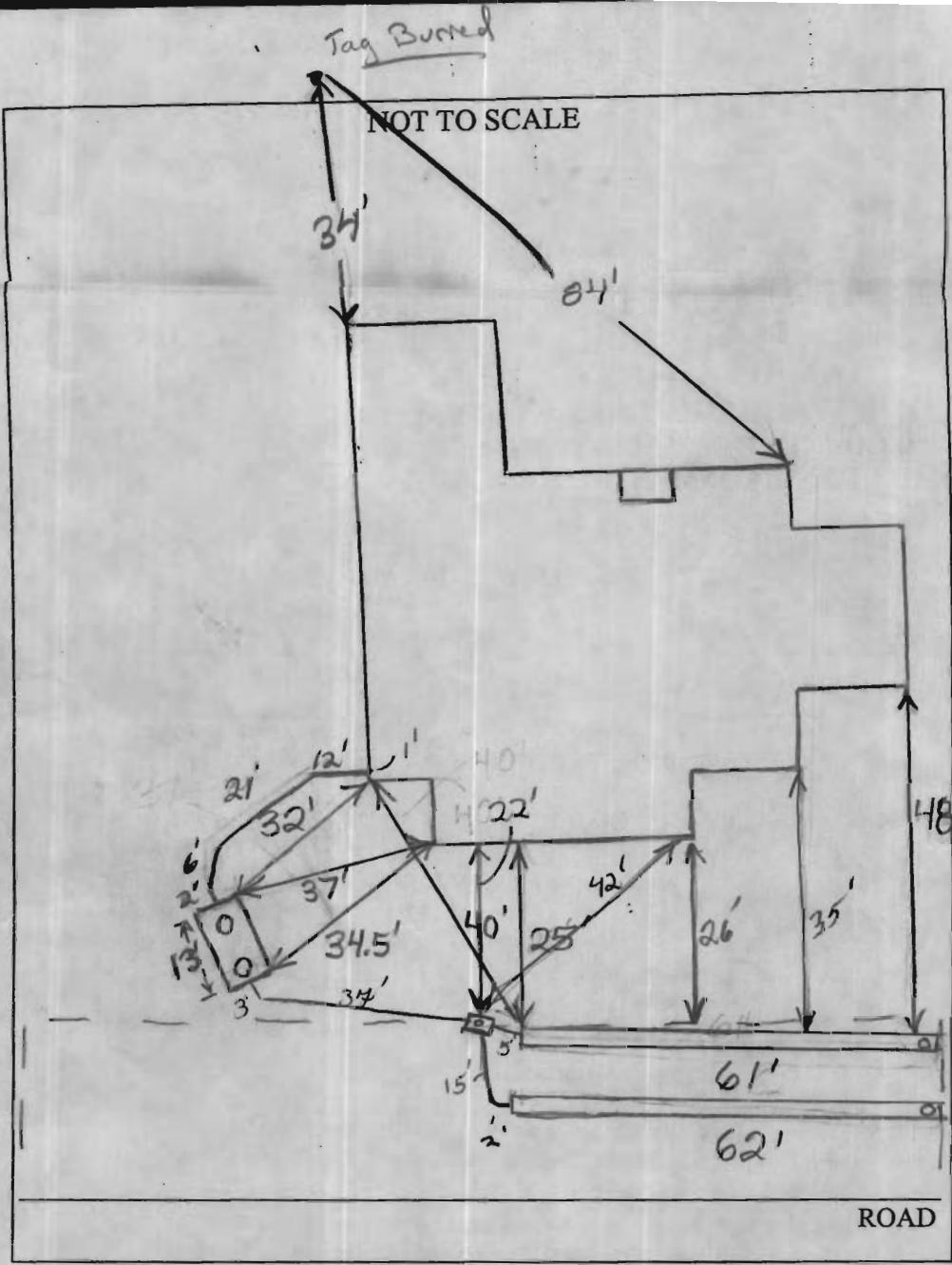
LINEAR FEET OF TRENCH REQUIRED: 120

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	1) Set Distribution box about 62' to 65' from NE corner of easement. 2) Install 2x60' trenches on contour toward east boundary of easement. 3) Basement will not (does not) sewer by gravity flow.
NOTES:	1) Stake septic easement corners. 2) Call for layout inspection. 3) Gravel tickets must be available for inspector

PLANS APPROVED: Robert Bricker DATE: 11/08/07

- 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**

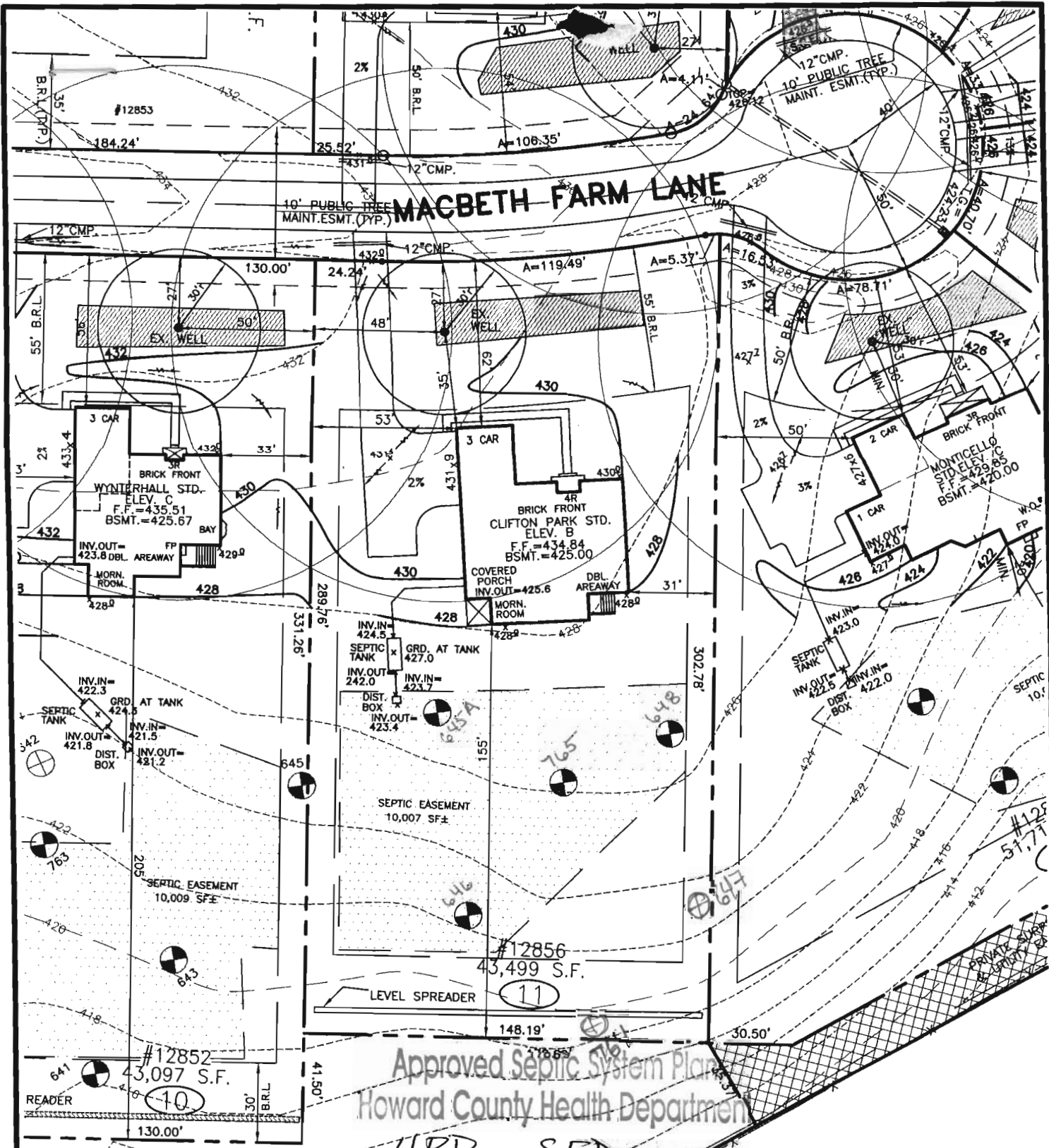


TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	5'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		123'
ABSORPTION AREA		369' + 54'
DISTRIBUTION BOX LEVEL		level
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-1.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	E/R
6" PORT LOC	none
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

Babylon  
Slotted  
2-Comp

PRE-CONSTRUCTION 12/5/08 House moved ~14' laterally towards lot 12.  
 Dbox to be set ~65' from east side of SRA @ the  
 INSTALLATION top. Install 2 x 60' trenches on contour! Due  
 to muddy conditions, contour could not be shot. Keep tank 20'  
 from house. (KW) 2/6/08 Top trench done. Most of bottom  
 trench finished. Tank set. (BB) 2/7/08 Bottom  
 trench completed. House connection made. Plumbing to S.T.  
 completed. Told contractor to seal rises to Tank w/ mortar  
 and concrete. Preferably, use sodium monomercaptate (Bestorite) (KW)  
 2/8/08 system complete. OK to backfill. (KW)  
 FINAL INSPECTOR Pl. Wolf DATE OF APPROVAL 2/8/08



Approved Septic System Plan  
 Howard County Health Department

4BR - SFD  
 Basement does not sewer by gravity  
 R. Bucher  
 11/8/2007  
 Date

THE EXISTING WELL SHOWN ON THIS PLAN, WELL TAG HD-95-0317 HAS BEEN FIELD LOCATED BY MORRIS & RITCHIE ASSOC. INC, PROFESSIONAL LAND SURVEYORS, AND IS ACCURATELY SHOWN.

**SETBACKS: RR-DEO**

FRONT YARD: 55' MIN.  
 SIDE YARD: 10' MIN.  
 REAR YARD: 30' MIN.

50' - setback  
 [Signature]

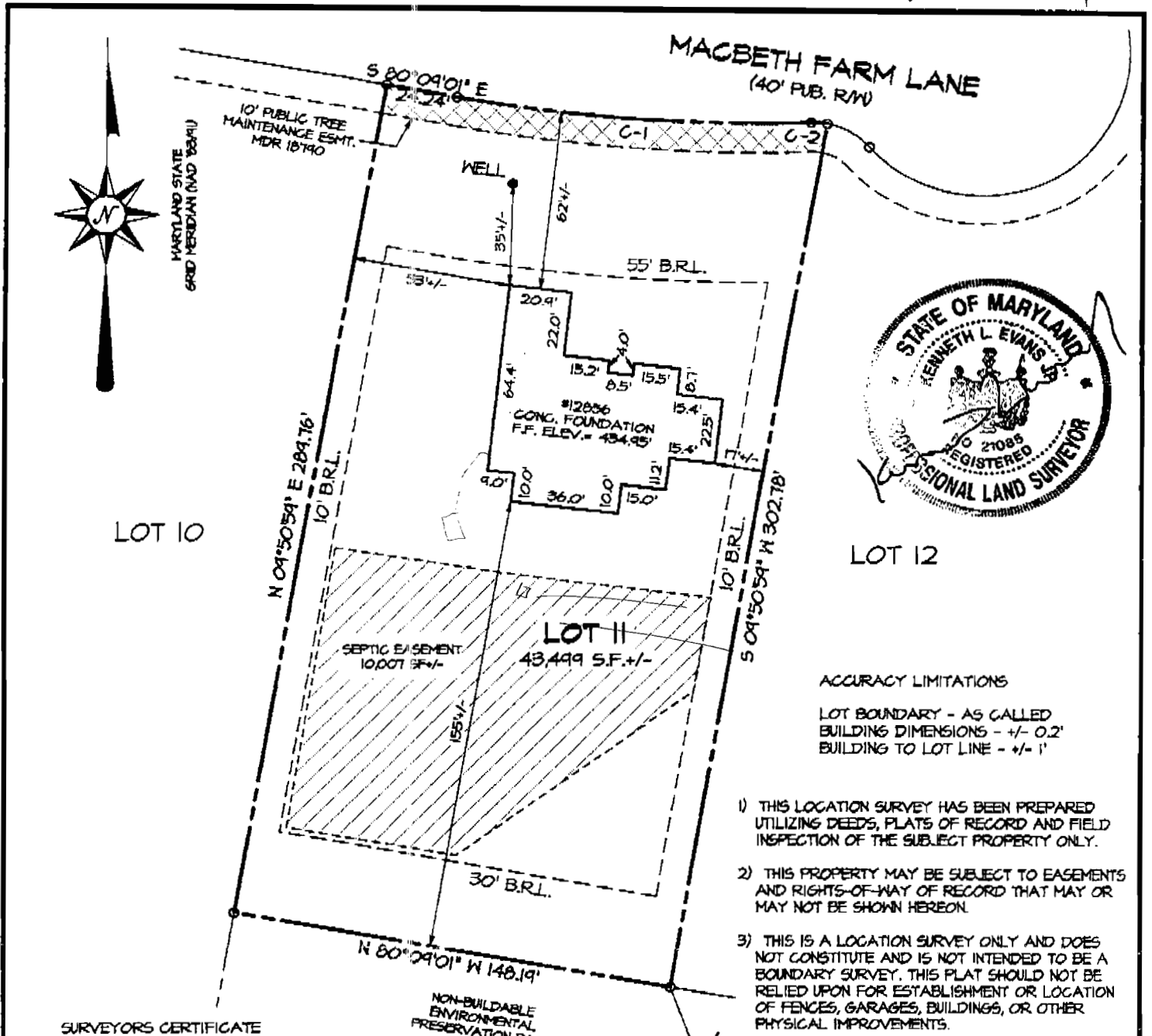
**BUILDER**  
 N.V. HOMES  
 6085 MARSHALEE DRIVE, SUITE 130  
 ELK RIDGE, MARYLAND 21075  
 PH: 410-379-5956



**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 11 #12856 MACBETH FARM LANE  
 4TH ELECTION DISTRICT HOWARD CO., MARYLAND

*1/22/08*  
*will check sk*  
*added additional*  
*area to*  
*east side of*  
*house.*



**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 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 JANUARY 8, 2008.

*Kenneth L. Evans, Jr.*  
 KENNETH L. EVANS, JR.  
 PROFESSIONAL LAND SURVEYOR  
 MD. REG. NO. 21085  
 DATE: 1/14/2008

CURVE	DELTA	RADIUS	ARC	CHORD BEARING	CHORD
C-1	12°00'35"	570.00'	119.49'	S86°09'18"E	119.26'
C-2	12°19'34"	25.00'	5.37'	S85°51'47"E	5.37'



**MORRIS & RITCHIE ASSOCIATES, INC.**  
 ENGINEERS, PLANNERS, SURVEYORS, AND LANDSCAPE ARCHITECTS  
 14280 PARK CENTER DRIVE, SUITE A  
 LAUREL, MD 20701  
 (410) 792-7792  
 FAX: (410) 792-7395

**AS-BUILT FOUNDATION PLAN**  
 MACBETH FARMS  
 12856 MACBETH FARM LANE  
 LOT #11  
 PLAT MDR NO. 18790  
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
 FOR: N.V. HOMES

N 04°50'54" E 289.76'

10' B.R.L.

WELL

35' +/-

62' +/-

55' B.R.L.

3' +/-

20.9'

64.4'

22.0'

15.2'

8.5'

15.5'

8.7'

#12856  
CONG. FOUNDATION  
F.F. ELEV. = 134.95'

15.4'

22.5'

17' +/-

9.0'

10.0'

36.0'

10.0'

15.0'

11.2'

10' B.R.L.

S 04°50'59" W 302.78'

SEPTIC EASEMENT  
10,007 S.F. +/-

LOT II  
43,499 S.F. +/-

155' +/-

30' B.R.L.

ACCL

LOT I  
BUIL  
BUIL

1) THIS LOCAT  
UTILIZING DE  
INSPECTION

2) THIS PROJ  
AND RIGHT  
MAY NOT

3) THIS IS