

LAYOUT 3/10/08 INSP 4 \_\_\_\_\_  
INSP 2 3/13/08 INSP 5 \_\_\_\_\_  
INSP 3 3/14/08 INSP 6 \_\_\_\_\_

ISSUE DATE: 2/8/2008

# PERMIT

P 5-28490

APPROVAL DATE: 3/17/08

A 518543

TAX ID # 05445213

**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, Westminster PHONE NUMBER: 410-875-4197

SUBDIVISION: Clarksville Overlook LOT NUMBER: 28

ADDRESS: 6313 Kerne Court PROPERTY OWNER: NVR Inc.

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

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

NUMBER OF BEDROOMS: 4

*(4.5'-8.5') 2' Wide*

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

LINEAR FEET OF TRENCH REQUIRED: 135

*~60 + ~75'  
Trenches*

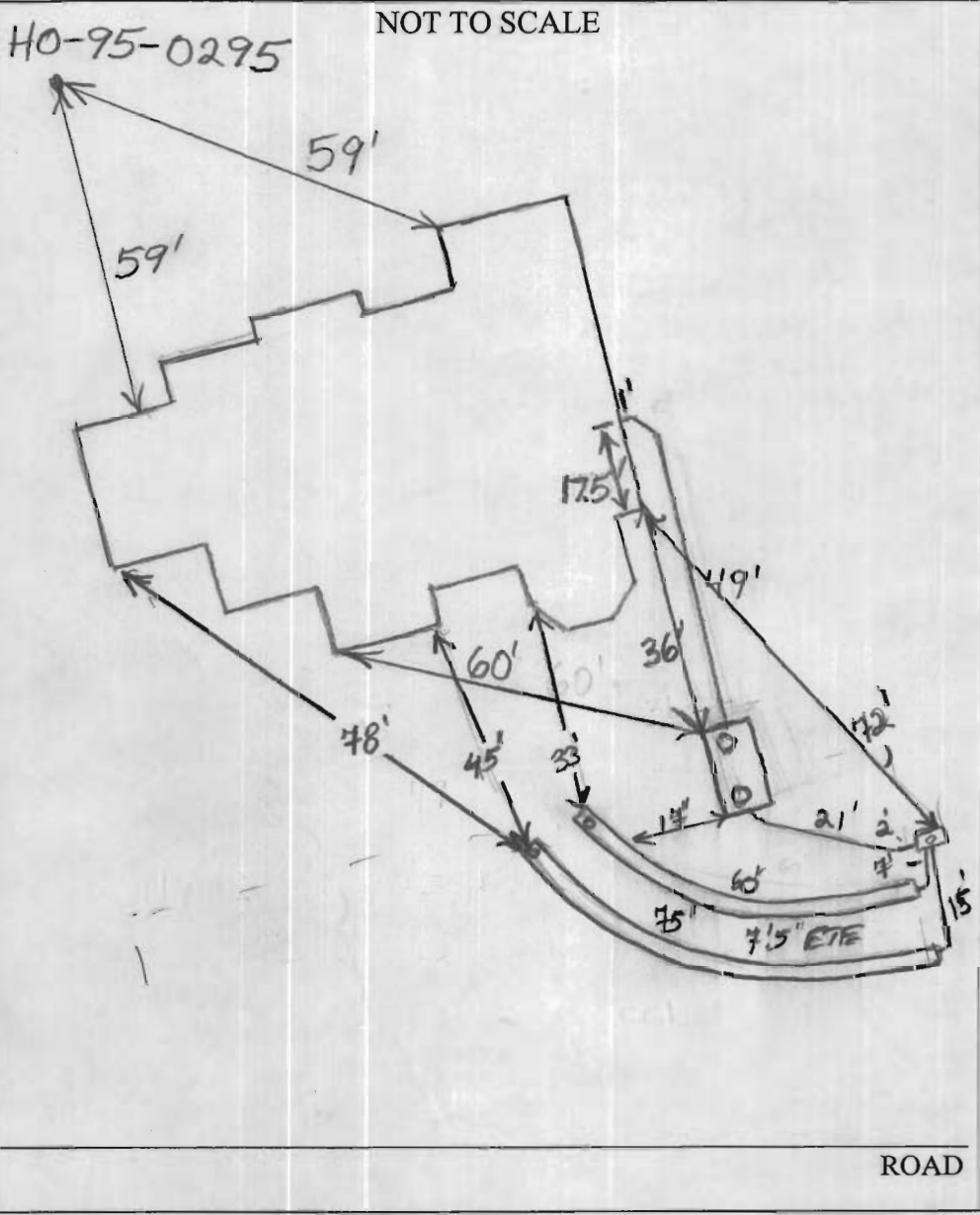
*67  
Ton*

TRENCHES:	Trench to be <u>3.0</u> feet wide. Inlet <u>4.0</u> feet below original grade. Bottom maximum depth <u>7.0</u> feet below original grade. Effective area begins at 6.0 feet below original grade. <u>3.0</u> feet of stone below distribution pipe.
LOCATION:	Install trenches as instructed at the pre-construction layout inspection by HCHD personnel.
NOTES:	Not approved for basement sewer by gravity.

PLANS APPROVED: Gabriel Creighton DATE: 12/19/07

- 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
2	4.5'	8.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		135'
ABSORPTION AREA		270'± SW
DISTRIBUTION BOX LEVEL		level
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

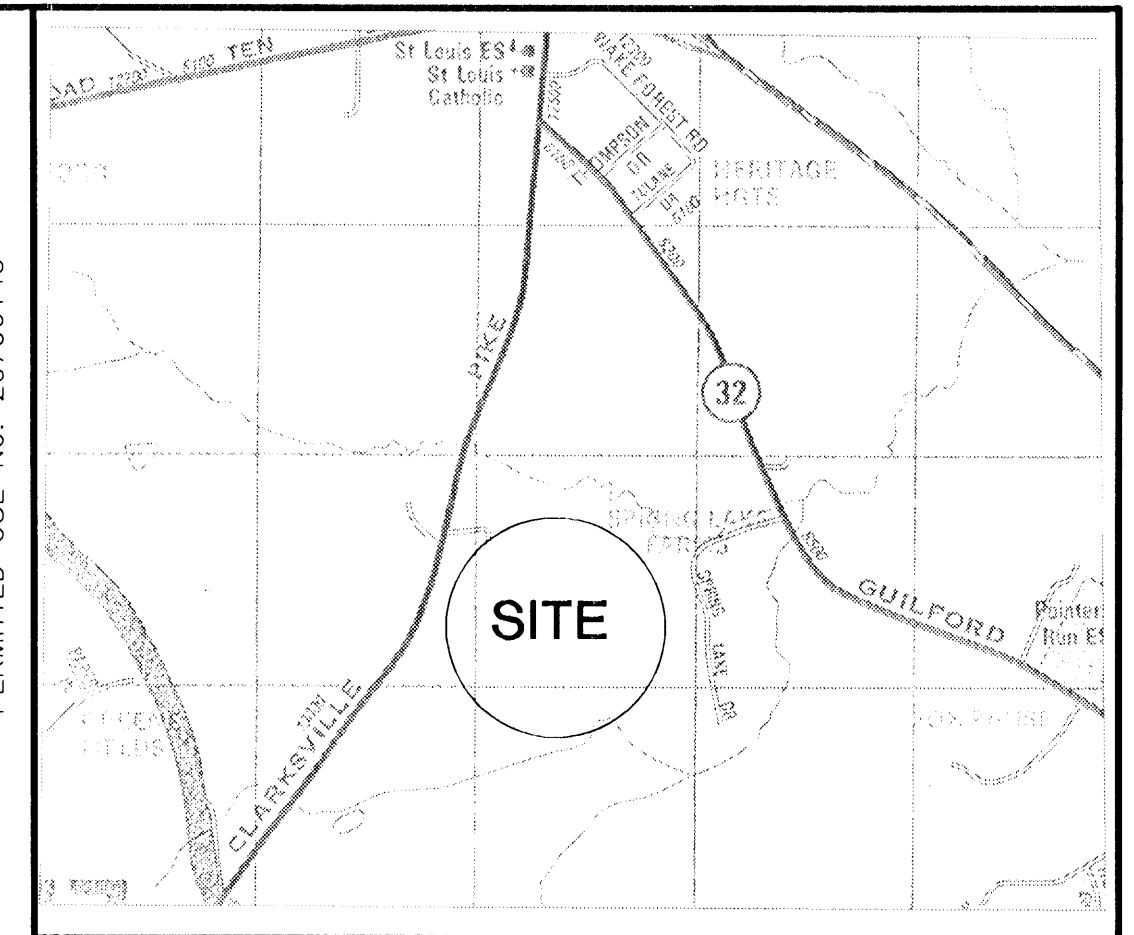
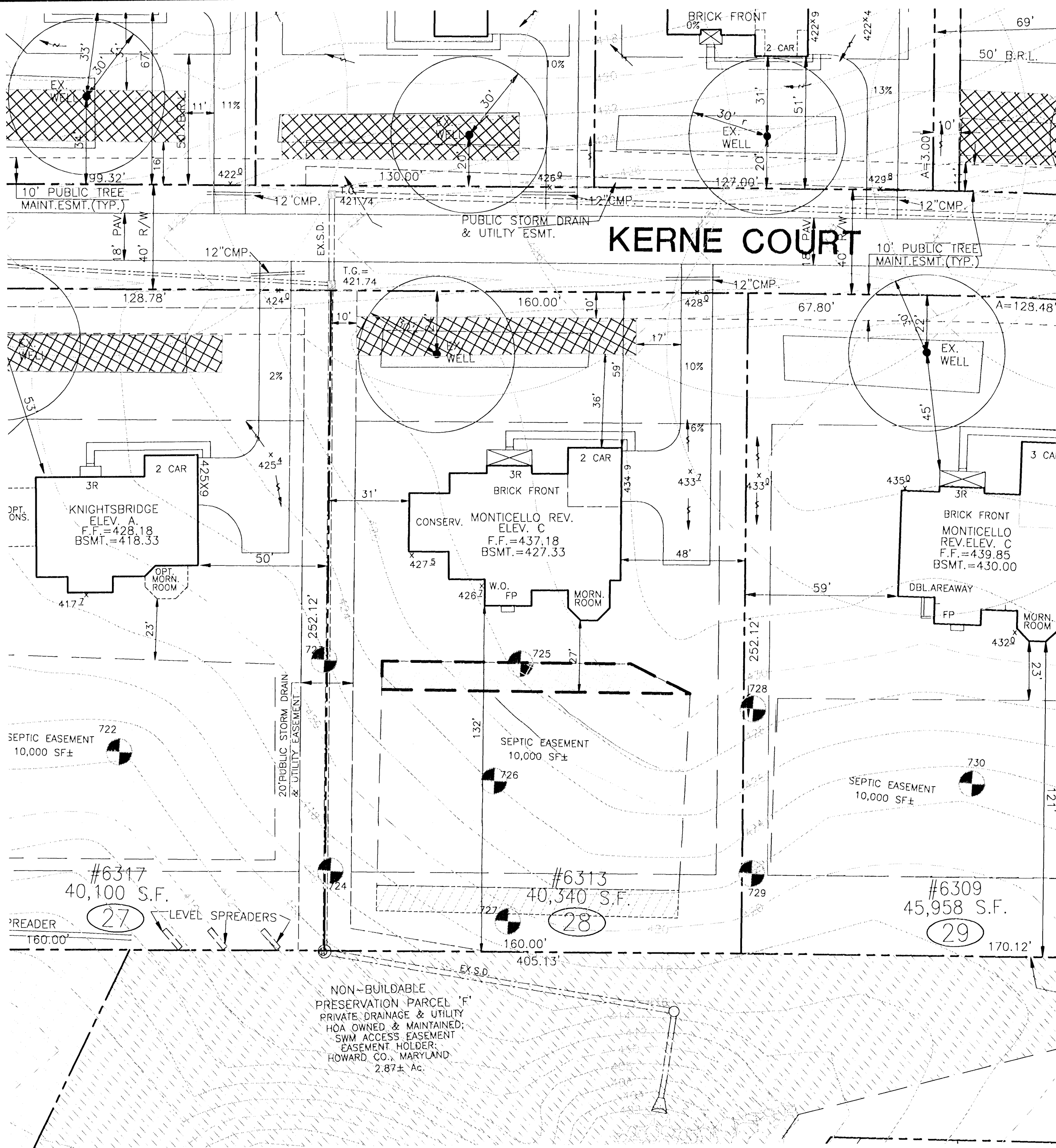
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	0.5'-1.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	F/A
6" PORT LOC	none
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

PRE-CONSTRUCTION 3/10/08 Easement not staked, O.K. to set tank as shown on plan. (PB)

INSTALLATION 3/13/08 I install an upper 60' trench and a lower 75' trench on contour in upper right corner of easement. Inlet 4.5' and bottom 8.5'. Trenches 2' wide. (PB)

3/14/08 Top 60' trench installed. (KW) 3/17/08  
 System complete. OK to backfill (KW)

FINAL INSPECTOR Kim Wolf DATE OF APPROVAL 3-17-08



**VICINITY MAP**

**LEGEND**

- F.F. 00.00 FINISHED TOP OF FIRST FLOOR ELEVATION.
- BSMT. 00.00 FINISHED TOP OF BASEMENT FLOOR SLAB.
- 000X0 PROPOSED GROUND ELEVATION AT WALKOUT CONDITIONS.
- W.O. GROUND SPOT ELEVATION.
- 00X0 STANDARD OR REVISED "UNIT DESIGNATION FROM ARCHITECTURAL PLANS."
- STD. OR REV. NUMBER OF RISERS - 7 1/2" EACH (INCLUDING 3 RISERS INTO HOUSE)
- SR WINDOW WELL REQUIRED FOR BASEMENT WINDOWS IN REAR.
- W/W WINDOW WELL REQUIRED FOR BASEMENT WINDOWS IN REAR.
- 000 PROPOSED 2 FT. CONTOUR.
- EXISTING 2 FT. GROUND CONTOUR.
- EXISTING 10 FT. GROUND CONTOUR.
- DRAINAGE FLOW IN SWALE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- CURB AND GUTTER.
- EXISTING STORM DRAINS.
- EASEMENT LINE
- MINIMUM BUILDING SETBACK LINE
- NON-TIDAL WETLANDS LINE
- 25 FT. WETLANDS BUFFER LINE
- 75 FT. WETLANDS BUFFER LINE
- EXISTING STORM DRAIN INLET.
- STORM DRAIN OUTFALL (W/ AGGREGATE)
- DENOTES EXISTING SEPTIC EASEMENT
- DENOTES AREA OF PROPOSED SEPTIC EASEMENT TO BE ADDED.
- DENOTES AREA OF EXISTING SEPTIC EASEMENT TO BE ABANDONED.
- DENOTES EXISTING WELL AREA
- DENOTES PROPOSED WELL AREA
- PERCOLATION TEST PIT-PASSED
- PERCOLATION TEST PIT-FAILED

**NOTES:**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. EXISTING GRADING SHOWN IS FIELD RUN TOPO BY MRA ON 04/02/07
3. PERCOLATION TEST FEE RECEIPT NUMBER - A518543
4. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
5. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
6. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEPTIC RESERVE AREAS ON AND WITHIN 100 FEET OF THE PROPERTY AND 200 FEET DOWNSLOPE HAVE BEEN SHOWN.

**OWNER**  
**NVR, INC.**  
 6085 MARSHALEE DRIVE, SUITE 130  
 ELKBRIDGE, MARYLAND 21075  
 PH: 410-379-5956

**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. 29203, EXPIRATION DATE: 06/16/2009.

*Thomas C. Neugebauer*  
 THOMAS C. NEUGEBAUER, P.E. 11-13-07 DATE

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

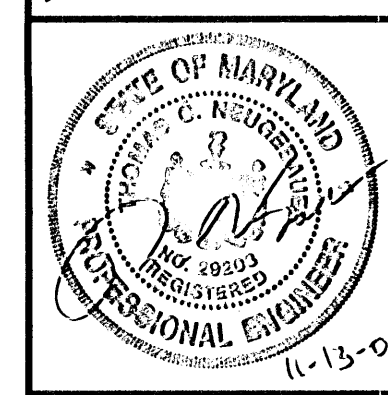
*Peter Brilansen*  
 COUNTY HEALTH OFFICER  
 HOWARD COUNTY HEALTH DEPARTMENT  
 11/13/2007  
 DATE  
*enc rjg*



**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



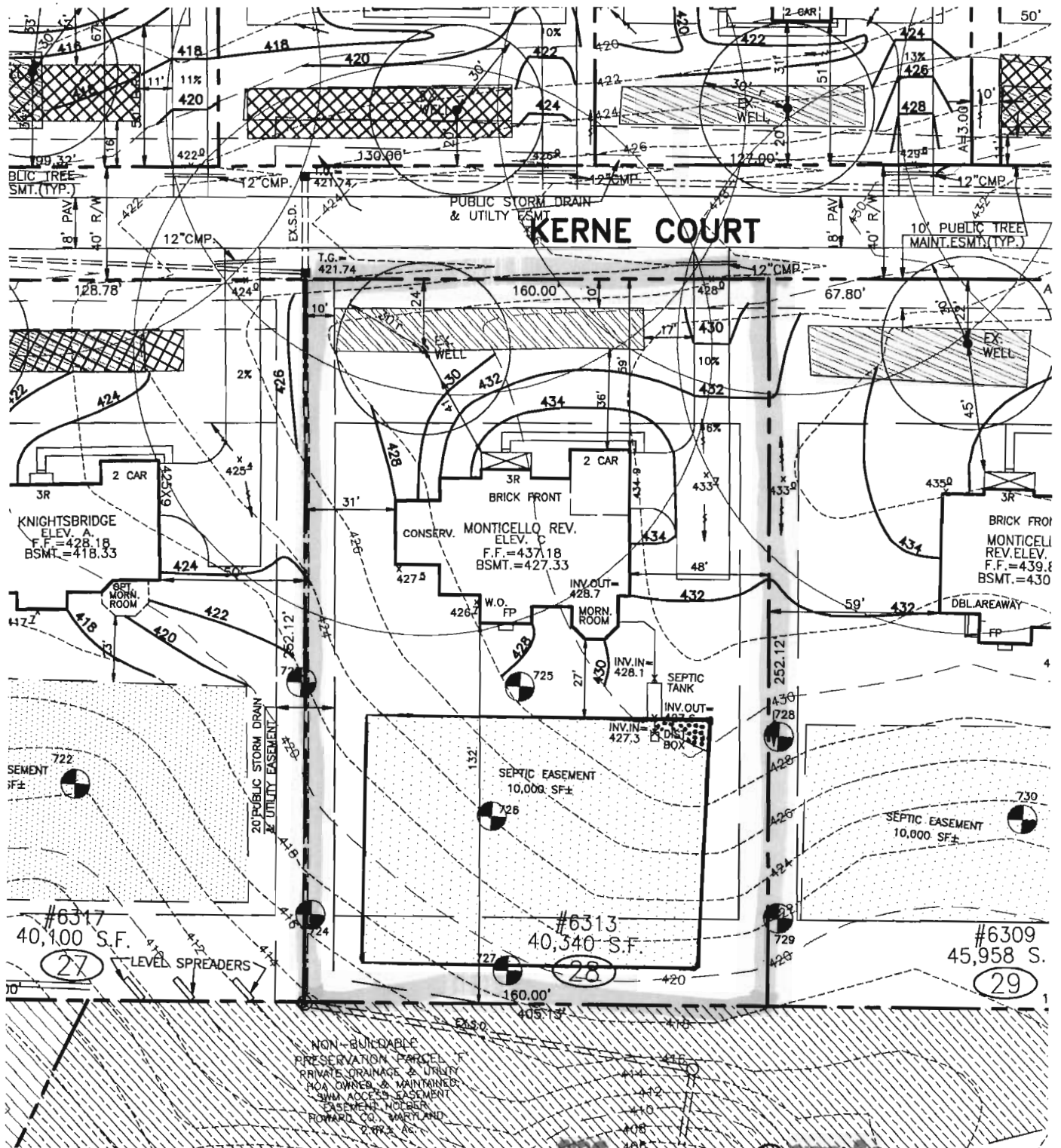
**REVISED PERCOLATION CERTIFICATION PLAN FOR**

**MACBETH FARMS**

**LOT 28 #6313 KERNE COURT**

TAX MAP 34 GRIDS 18 & 24 PARCEL 90  
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DATE	REVISIONS	JOB NO.: 14948
		SCALE: 1"=30'
		DATE: 11-12-07
		DRAWN BY: TB
		DESIGN BY: TB
		REVIEW BY:
		SHEET: 1 OF 1



Approved Septic System Plan  
 Howard County Health Department  
 Date: 12/19/07

THE EXISTING WELL SHOWN ON THIS PLAN, WELL TAG #HO-95-0295 HAS BEEN FIELD LOCATED BY MORRIS & RITCHIE ASSOC. INC, PROFESSIONAL LAND SURVEYORS, AND IS ACCURATELY SHOWN.

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

**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



**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 & GRADING PLAN**  
 FOR  
**CLARKSVILLE OVERLOOK**  
 (A.K.A. MACBETH FARMS)  
 LOT 28 #6313 KERNE COURT

4TH ELECTION DISTRICT HOWARD CO., MARYLAND

SCALE: 1"=50'

DATE: NOVEMBER 12, 2007 DRAWN BY: TB

DESIGN BY: TB

REVIEW BY: DA

JOB NO. 14948



MARYLAND STATE GRID MERIDIAN (NAD 83) (10)

NON-BUILDABLE PRESERVATION PARCEL 'F'

*walkwheel  
OK reb  
2/8/08*

LOT 27

10' PUBLIC TREE MAINTENANCE ESMT. MDR 18790

N 87°01'57" E 252.12'

10' B.R.L.

LOT 28

40,340 S.F. +/-

SEPTIC EASEMENT  
10,000 SF±

30' B.R.L.

121' +/-

N 02°58'03" W 160.00'

31' +/-

15.4'

15.0'

13.0'

20.5'

12.0'

20.0'

21.0'

60.4'

48' +/-

4.0'

5.0'

6.1'

14.0'

18.0'

14.0'

14.0'

18.0'

14.0'

10' B.R.L.

S 87°01'57" W 252.12'

WELL

50' B.R.L.

55' +/-

S 02°58'03" E 160.00'

KERNE COURT  
(40' PUB. R/W)



LOT 29

ACCURACY LIMITATIONS

LOT BOUNDARY - AS CALLED  
BUILDING DIMENSIONS - +/- 0.2'  
BUILDING TO LAND UNIT 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 16, 2008.

*Kenneth L. Evans Jr.* 1/22/2008  
KENNETH L. EVANS JR. DATE  
PROFESSIONAL LAND SURVEYOR  
MD. REG. NO. 21088



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 FARM  
6313 KERNE COURT  
LOT #28  
PLAT M.D.R. NO. 18790  
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
FOR: N.V. HOMES

SCALE: 1" = 50'

DATE: 1/21/2008

DRAWN BY: AB

REVIEW BY: KLE

JOB NO. 14948