

LAYOUT 8/30/11 INSP 4 9/16/11
 INSP 2 9/12/11 INSP 5 9/30/11
 INSP 3 9/15/11 INSP 6 10/5/11

ISSUE DATE: 8-29-11

PERMIT

P 535964

APPROVAL DATE: 10/7/2011

A _____

Tax ID # 05-450519

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

South Carroll Beckhoe IS PERMITTED TO INSTALL ALTER

ADDRESS: 4410 Salem Bottom Rd Westminster MD 21157 PHONE NUMBER: 410-875-4197

SUBDIVISION: Lime Kiln Valley II LOT NUMBER: 2

ADDRESS: 12767 Lime Kiln Road PROPERTY OWNER: NVR Inc.

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

PUMP CHAMBER CAPACITY (GALLONS): RB 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE: 4,576

LINEAR FEET OF TRENCH REQUIRED: 165' Inlet 2'
Bottom 5'

TRENCHES:	Trenches to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.5 feet below original grade with 2.0 feet of stone below distribution pipe.
LOCATION:	Set septic tank and pump tank per layout inspection. Observe locations of failed wells; Maintain 100 foot setback to potable water well. Set distribution box at northwest corner of septic reserve. Install 3 x 55' trenches in northwest quadrant of septic reserve.
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.

PLANS APPROVED: Robert Bricker DATE: 8/17/11

- 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

See Seperate sheet
for As-Built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2	2	5
NUMBER OF TRENCHES		4
TOTAL LENGTH		160'
ABSORPTION AREA		320 + SW
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		90° bend
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 1'-1.5'

BAFFLES Yes

BAFFLE FILTER No

MANHOLE LOC Front + Rear

6" PORT LOC None

WATERTIGHT TEST No

SLOTTED Yes

DATE ON LID 8-12-11

PUMP/SEPTIC TANK LEVEL Yes

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 1'

BAFFLES Front

BAFFLE FILTER No

MANHOLE LOC Rear

6" PORT LOC Front

WATERTIGHT TEST No

SLOTTED no

DATE ON LID Dry

PRE-CONSTRUCTION:

8/30/11 House sewer to come out along side of house. set tanks on high side of swale. E.M. to be on along side road across up to sett. No trenches shall need to clear faces then call for layout of double (K) (K)

9/13/11 Septic area cleared by contractor, trenches laid out in field 4 x 40' trenches are to be installed Dbox @ top center, 2 trenches running in both directions. (K)

INSTALLATION: 9/15/11 SHC on. Tank hole's dug. starting trenches (K)

9/16/11 2 x 40' trenches complete. Tanks set. nothing else completed (K)

9/21/11 E.M. in. Dbox installed w/ distribution network. OK to cover all work. Need riser on tank & p/a test for final approval (K)

9/30/2011 Pump tank, etc. not wired up. (BB) 10/5/2011 No water in tank. (BB) 10/7/2011 Pump and alarm working. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

10/7/2011

NOT TO SCALE

Lime Kiln Rd.

Street

2" F.M.

~5' spacing

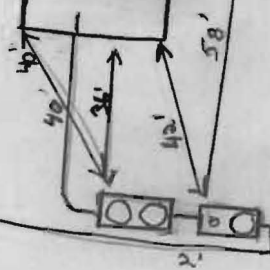
~360'

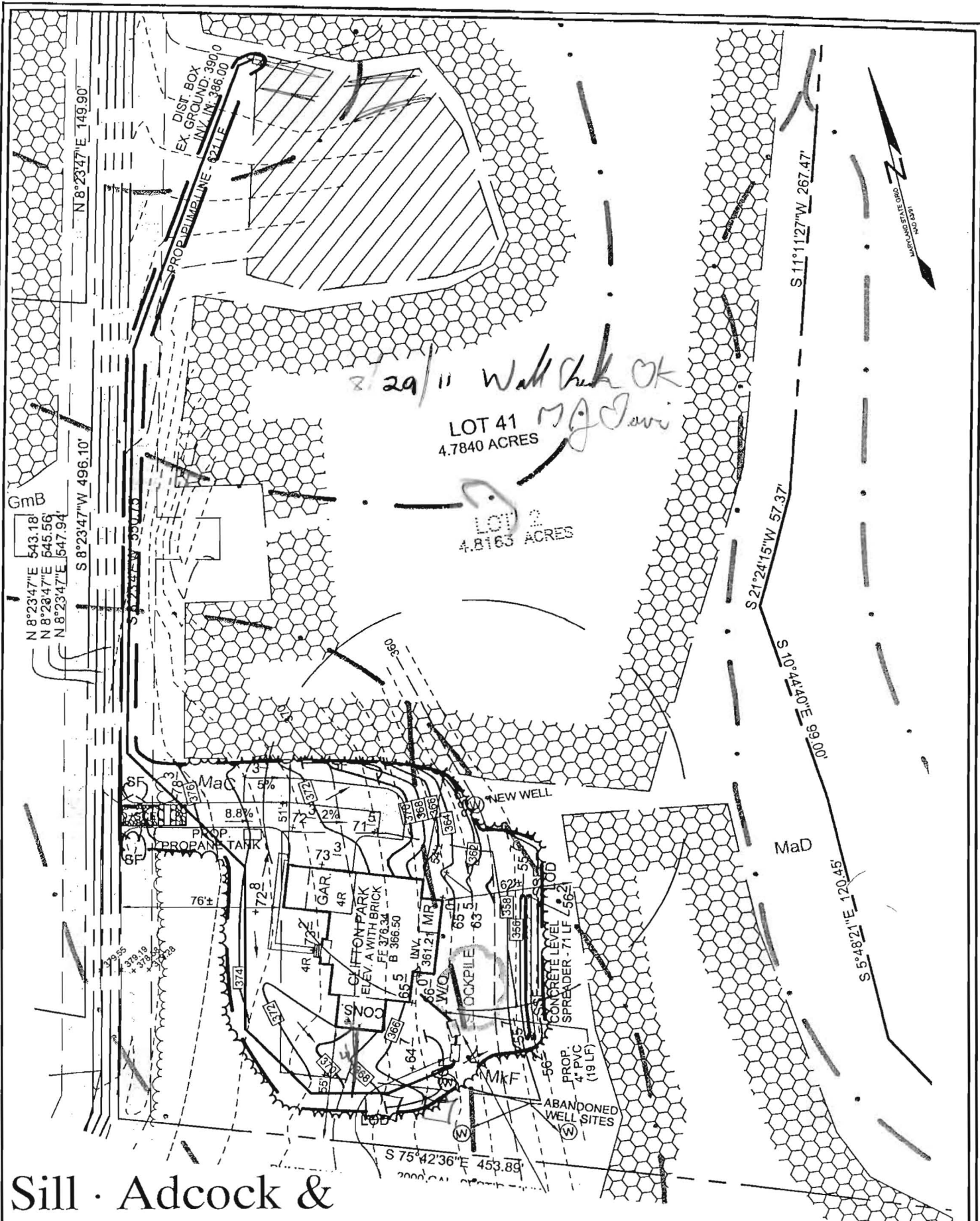
H0-95-2073

~93'

~48'

12767
Lime Kiln
Road





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: info@saaland.com

DEVELOPER
 NV HOMES
 6085 MARSHALEE DRIVE, SUITE 130
 ELK RIDGE, MARYLAND 21075
 (410) 379-5956

OWNER
 MAPLE ESTATES, LC
 6820 ELM STREET, SUITE 200
 MCLEAN, VIRGINIA 22101
 (703) 734-9730

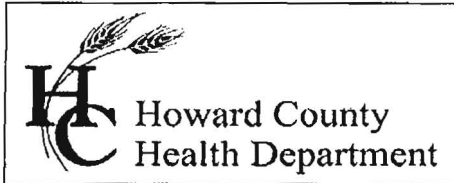
- NOTE:
- 1) DRIVEWAY RUNOFF WILL BE TREATED BY NON-ROOFTOP DISCONNECTION. STORMWATER MANAGEMENT FOR THE HOUSE ON THIS LOT IS WILL BE SATISFIED BY SHEET FLOW TO NATURAL CONSERVATION AREA WITH A GRAVEL DIAPHRAGM.
 - 2) THE PROPOSED WELLS SHOWN ON THIS PLAN HAVE BEEN RECENTLY DRILLED.
 - 3) A PUMP TANK WILL BE UTILIZED FOR SEWERAGE.
 - 4) DISTURBED AREA = 26,707 SQ.FT.
 - 5) DRIVEWAY AREA = 2,064 SQ.FT.

DESIGN BY: SJT
 DRAWN BY: SJT
 CHECKED BY: PS
 SCALE: 1"=60'
 DATE: MAY 31, 2011
 PROJECT #: 10-041
 SHEET #: 1 OF 2

HOUSE SITE LIME KILN VALLEY II LOT 41 (FORMERLY LOT 2) 12767 LIME KILN ROAD

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

PARCELS 114 & 12
 HOWARD COUNTY, MARYLAND



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

December 13, 2010

Ryan Johnson
NV Homes, Inc.
6085 Marshalee Drive, Suite 130
Elkridge, Maryland 21075

RE: Variance request
12767 Lime Kiln Road
Lime Kiln Valley II, Lot 2
Tax Map 40, Parcel 114
Howard County, Maryland

Dear Mr. Johnson,

The Health Department submitted a variance request on your behalf for the potential development of the 12767 Lime Kiln Road (Howard County Tax Map 40, Parcel 114). Consideration of the soil conditions and percolation test results, assumed groundwater flow patterns, landscape position, and documentation of water quality at the primary well location were some of the factors used in making our recommendation for approval.


The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request subject to the specific conditions that are described below. The pending approval will allow for the establishment of a replacement well on the lot.

The variance is approvable subject to the following conditions concerning the primary well:

- 1) The initial well site will be drilled as a test well and must have steel casing set a minimum of 50 feet OR ten feet into the competent bedrock whichever is deeper.
- 2) The Septic System Installation Permit will be conditioned so that the existing well (HO-95-1196) in the pipestem must be sealed by a Licensed Well Driller before Final Approval of the septic system installation. Therefore the I.C.O.P. shall not be issued, and Use and Occupancy will not be issued, until the well (HO-95-1196) is sealed by a Licensed Well Driller.

If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

Sincerely,


Robert Bricker, R.S./R.E.H.S.
Well and Septic Program

Steven R. Krieg, R.S.
Maryland Department of the Environment

COPY: Stephanie Tuite, RLA, PE, LEED AP; Sill, Adcock and Associates