

LAYOUT 11/26/08 INSP 4 _____
INSP 2 12/2/08 INSP 5 _____
INSP 3 12/3/08 INSP 6 _____

ISSUE DATE: 11/07/08

APPROVAL DATE: 12/4/08

PERMIT

*(Issued into
Permit file)*

P 530229-49

A 537237

TAX ID # **05450594**

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

R Calvin Thomas Excavators, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 5186 Norrisville Rd, White Hall PHONE NUMBER: 410-692-2525
21161

SUBDIVISION: Lime Kiln Valley II LOT NUMBER: 9

ADDRESS: 12809 Lime Kiln Rd PROPERTY OWNER: NVR Inc.

SEPTIC TANK CAPACITY (GALLONS): 2,000 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: 143

TRENCHES:	Trench to be 2.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Install 2x72' trenches on contour at highest part of easement.
NOTES:	Layout inspection required prior to installation. Install system per plan unless otherwise directed by HCHD.

PLANS APPROVED: Heidi Scott DATE: 8/22/08

- 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**

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	4-4.5'	8'
NUMBER OF TRENCHES <u>3</u>		
TOTAL LENGTH <u>195'</u>		
ABSORPTION AREA <u>380'±sw</u>		
DISTRIBUTION BOX LEVEL <u>Level</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>Yes</u>		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

MANUFACTURER Maryland Concrete

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 40"

BAFFLES Yes

BAFFLE FILTER —

MANHOLE LOC Front/Rear

6" PORT LOC none

WATERTIGHT TEST —

SLOTTED Yes

PUMP/SEPTIC TANK LEVEL

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

PRE-CONSTRUCTION

11/26/08 Sewer out
~~not per approved BP~~
 plan. Should be OK.
 Must maintain 3' of
 earth cover over dip tank.

** See Superade sheet
 for As-Built*

Set D box @ high center of SDA, run 2x70' trench on center
 back towards house. Trenches staked out in field. (KW)

INSTALLATION: 12/2/08 4" SMC installed. Tank set approx 44" deep.
 contractor do wk some of the grade over tank. D box to be set
 10' in from original spot to make inlet of trenches. Install 3x6.5'
 trenches now instead of 2x70's, OK to continue (KW) 12/3/08
 Contractor has top 2 trenches installed per layout. last trench 80%
 complete. Will need to see last trench and D box level (KW)
12/4/08 Final trench completed. D box level. OK to backfill (KW)

FINAL INSPECTOR

K. Wolf

DATE OF APPROVAL

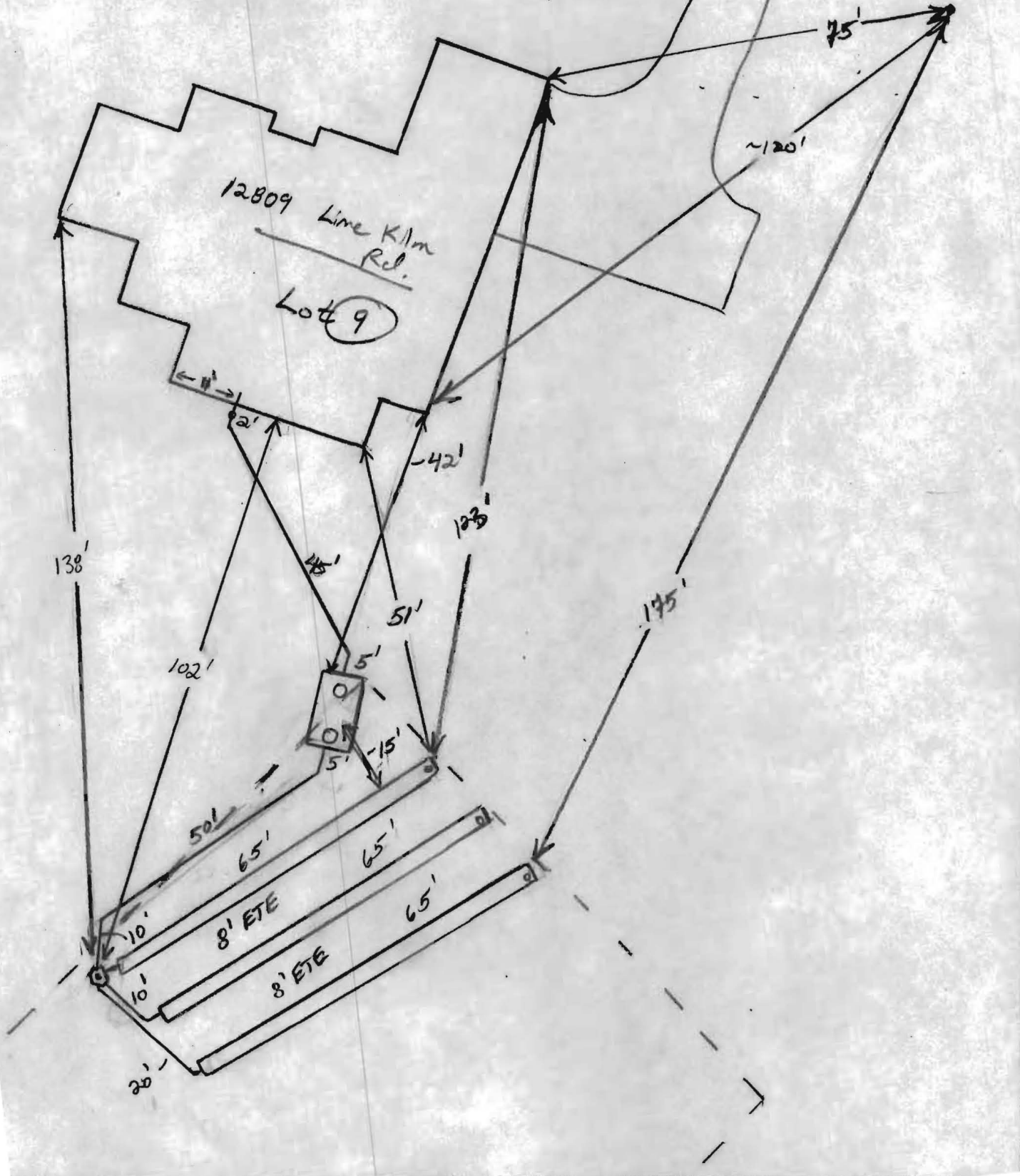
12/4/08

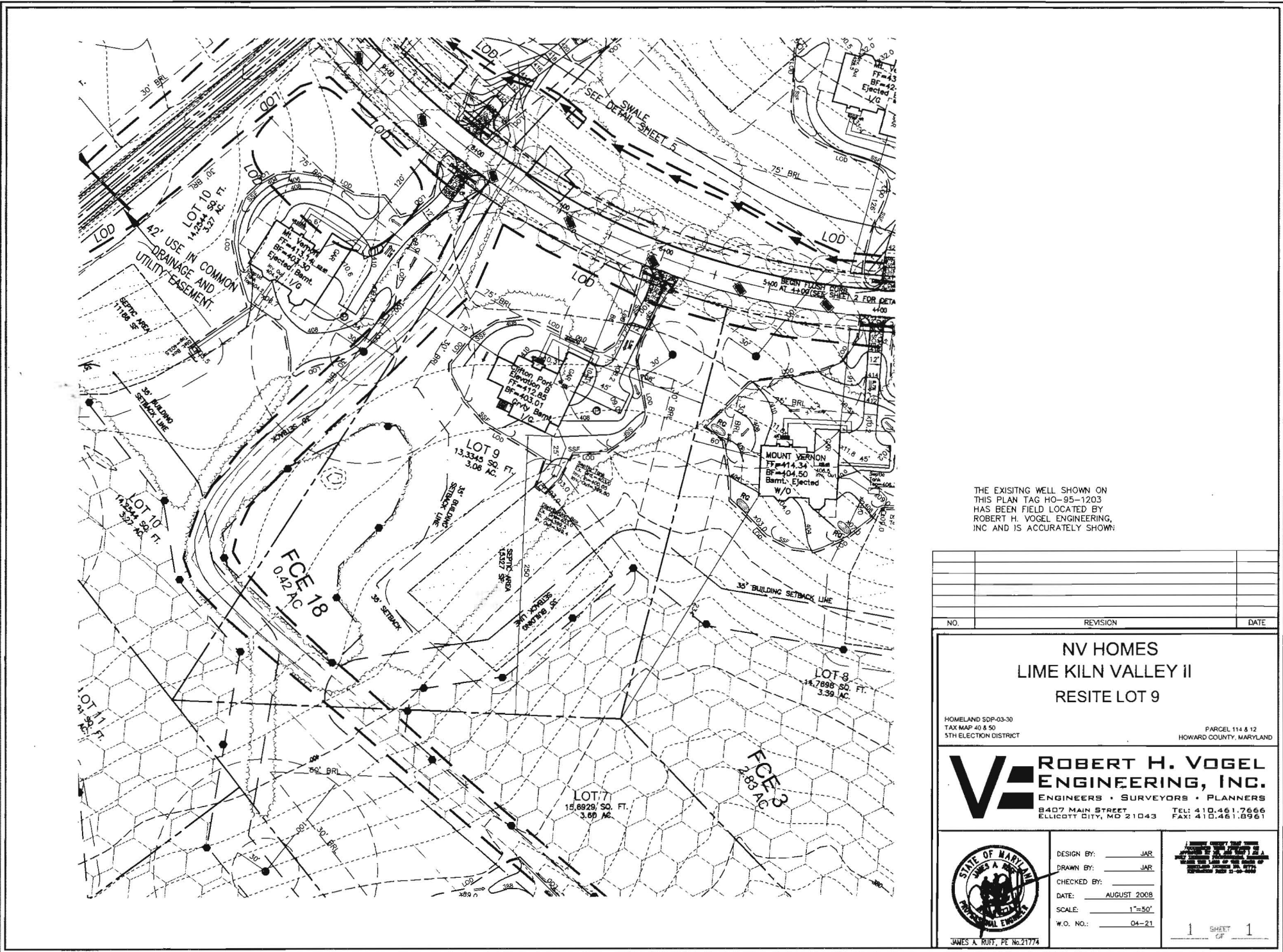
Line Kilm Rd.

H0-95-1203

12809 Line Kilm Rd.
Lot 9

NOT TO SCALE





THE EXISTING WELL SHOWN ON THIS PLAN TAG HO-95-1203 HAS BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC AND IS ACCURATELY SHOWN.

NO.	REVISION	DATE

**NV HOMES
LIME KILN VALLEY II
RESITE LOT 9**

HOMELAND SDP-03-30
TAX MAP 40 & 50
5TH ELECTION DISTRICT

PARCEL 114 & 12
HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET TEL: 410.461.7666
ELLICOTT CITY, MD 21043 FAX: 410.461.8961



DESIGN BY: JAR
DRAWN BY: JAR
CHECKED BY: _____
DATE: AUGUST 2008
SCALE: 1"=50'
W.O. NO.: 04-21

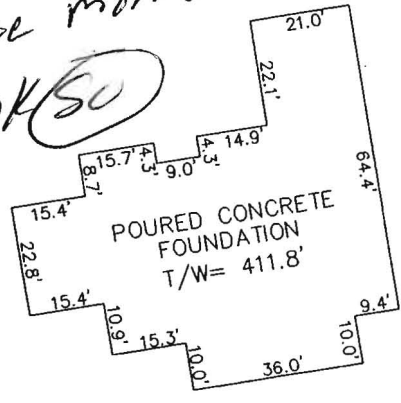
NOTICE
THIS PLAN IS THE PROPERTY OF ROBERT H. VOGEL ENGINEERING, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ROBERT H. VOGEL ENGINEERING, INC.

K:\Projects\04-21\HRR\dwg\PLANS\Resite\Lot_9_20080821.dwg, 8/4/2008, 8:21:26 AM

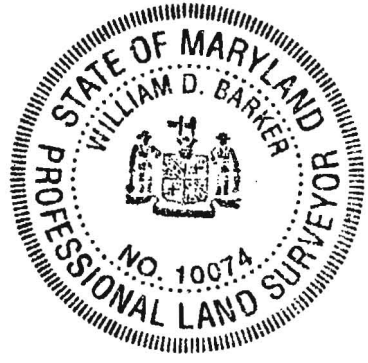
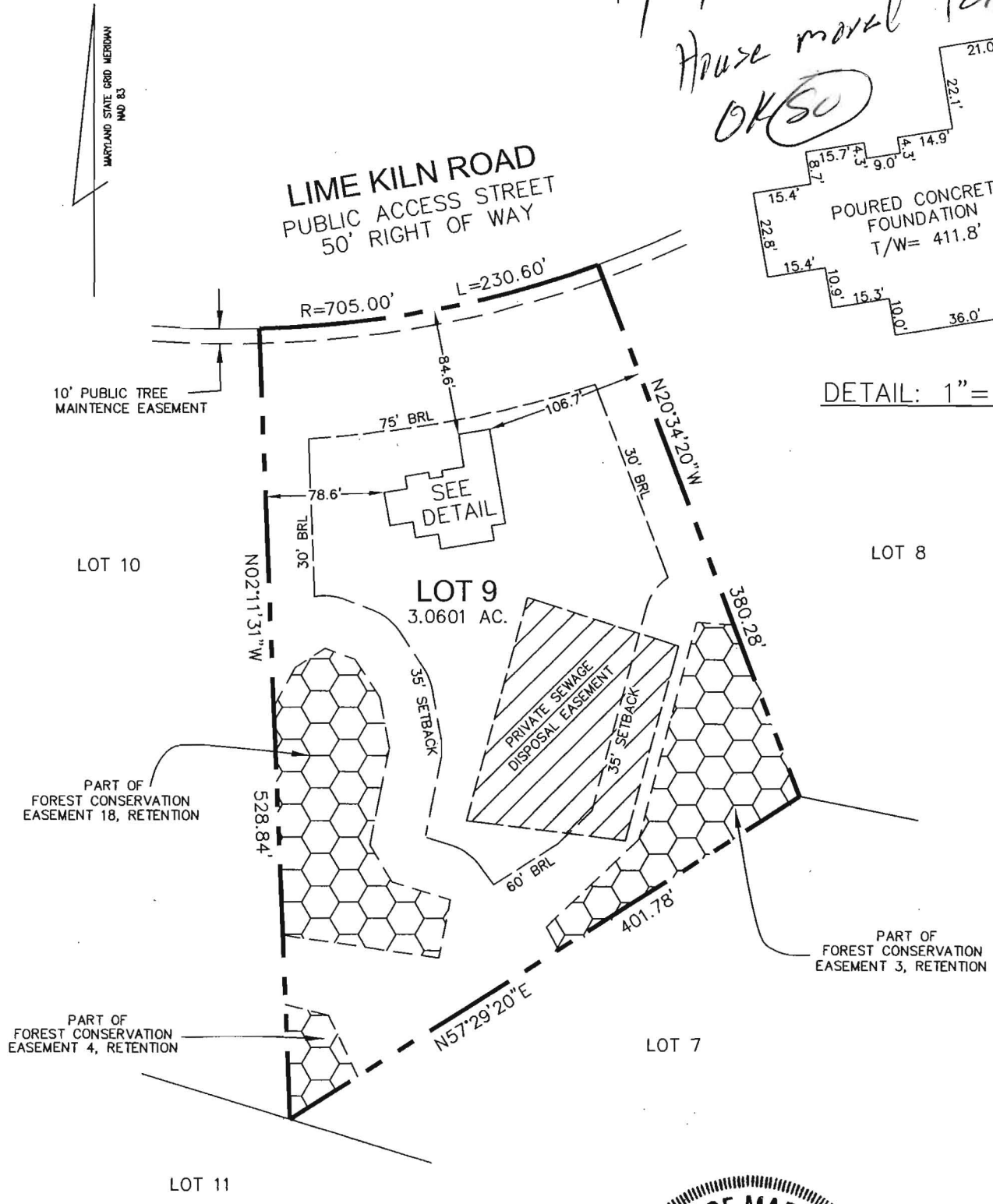
11/7/08
 House moved forward 1'
 OK(SO)

MARYLAND STATE GRID MERIDIAN
 MD 83

LIME KILN ROAD
 PUBLIC ACCESS STREET
 50' RIGHT OF WAY



DETAIL: 1"=40'



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

William D. Barker 9-26-08
 WILLIAM D. BARKER, PROFESSIONAL LAND SURVEYOR #10074 DATE

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

SCALE 1"=100'	DATE 09/25/08	ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLCOTT CITY, MARYLAND 21043 TEL:410-461-7666 FAX:410-461-8961	WALL CHECK DRAWING LOT 9 LIME KILN VALLEY PHASE 1 & 2 PLAT NUMBER 19734 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY A.M.S	CHECKED BY W.D.B.		
PLAT NUMBER 19732-19739	JOB NUMBER 04-021.00		



THE EXISTING WELL SHOWN ON THIS PLAN TAG HO-95-1203 HAS BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC AND IS ACCURATELY SHOWN

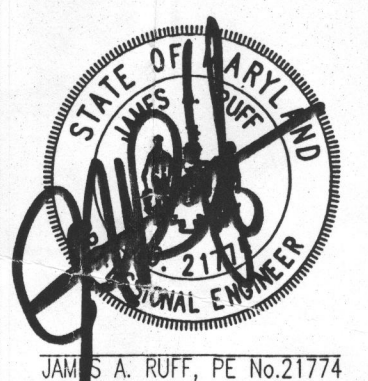
NO.	REVISION	DATE

**NV HOMES
LIME KILN VALLEY II
RESITE LOT 9**

HOMELAND SDP-03-30
TAX MAP 40 & 50
5TH ELECTION DISTRICT

PARCEL 114 & 12
HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961



DESIGN BY: JAR
DRAWN BY: JAR
CHECKED BY: _____
DATE: AUGUST 2008
SCALE: 1"=50'
W.O. NO.: 04-21

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. 21774 EXPIRATION DATE 11-10-2009