

LAYOUT 12/12/08 INSP 4 \_\_\_\_\_  
INSP 2 12/15/08 INSP 5 \_\_\_\_\_  
INSP 3 12/18/08 INSP 6 \_\_\_\_\_

ISSUE DATE: 11/07/08

APPROVAL DATE: 12/19/08

# PERMIT

*(logged into  
Permit (over))*

P 530229-3

A 519584

TAX ID # 05450527

## 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 LOT NUMBER: 3

ADDRESS: 12773 Lime Kiln Rd PROPERTY OWNER: NVR Inc

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

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

NUMBER OF BEDROOMS: 5 *45 2' wide.*

SQUARE FEET PER BEDROOM: \_\_\_\_\_ *70 Inlet 4'*

LINEAR FEET OF TRENCH REQUIRED: 190 *48 Bottom 4.0' (35)*  
*193*

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	1) Set Septic Tank per plan. 2) Set distribution box on ridge crest within septic easement; 45' from South easement boundary and 60' from west easement boundary. 3) Install 1x60' and 2x65' trenches on contour toward west-southwest from distribution box.
NOTES:	1) Stake septic easement corners. 2) Call for layout inspection 3) Mark utilities. 4) Gravel tickets must be available for Environmental Sanitarians.

PLANS APPROVED: Robert Bricker DATE: 7/21/08

- 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'-7.5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		196'
ABSORPTION AREA		392' + SW
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

\* See Separate Sheet for As-Built

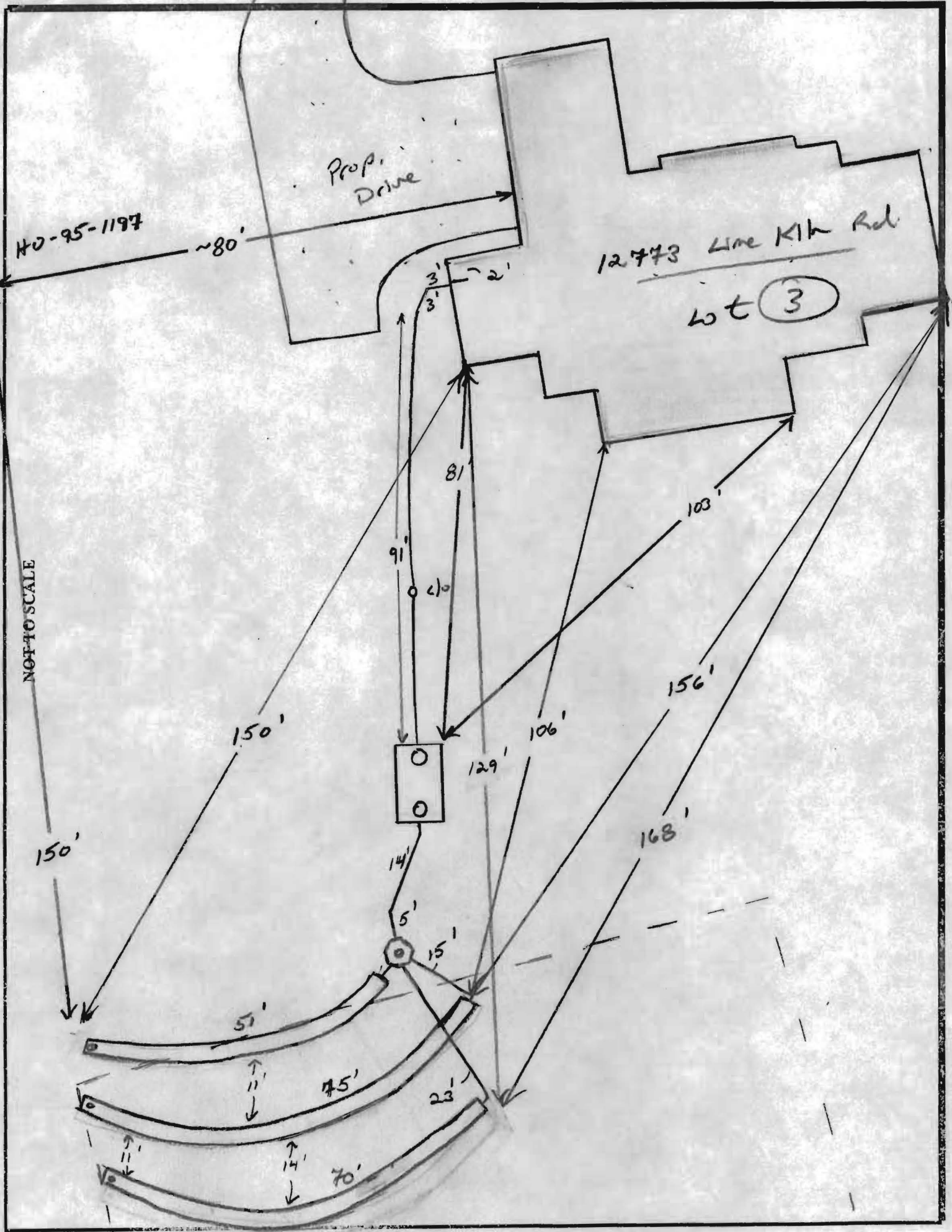
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Maryland Concrete
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	Yes
BAFFLE FILTER	—
MANHOLE LOC	Front / Rear
6" PORT LOC	None
WATERTIGHT TEST	—
SLOTTED	Yes
<del>PUMP/SEPTIC TANK LEVEL</del>	
<del>MANUFACTURER</del>	
<del>CAPACITY</del>	
<del>SEAM LOC</del>	
<del>TANK LID DEPTH</del>	
<del>BAFFLES</del>	
<del>BAFFLE FILTER</del>	
<del>MANHOLE LOC</del>	
<del>6" PORT LOC</del>	
<del>WATERTIGHT TEST</del>	
<del>SLOTTED</del>	

PRE-CONSTRUCTION  
 12/12/08 OK to set tank but keep out of well radius. set D box open 6.5' in from top right


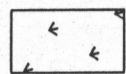

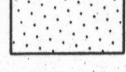
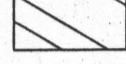
corner of SDA. Install a 50', 45', and 70' trenches on contour. Tanks must wrap. Bottom trench will accept feed line over top middle trench. (KW)

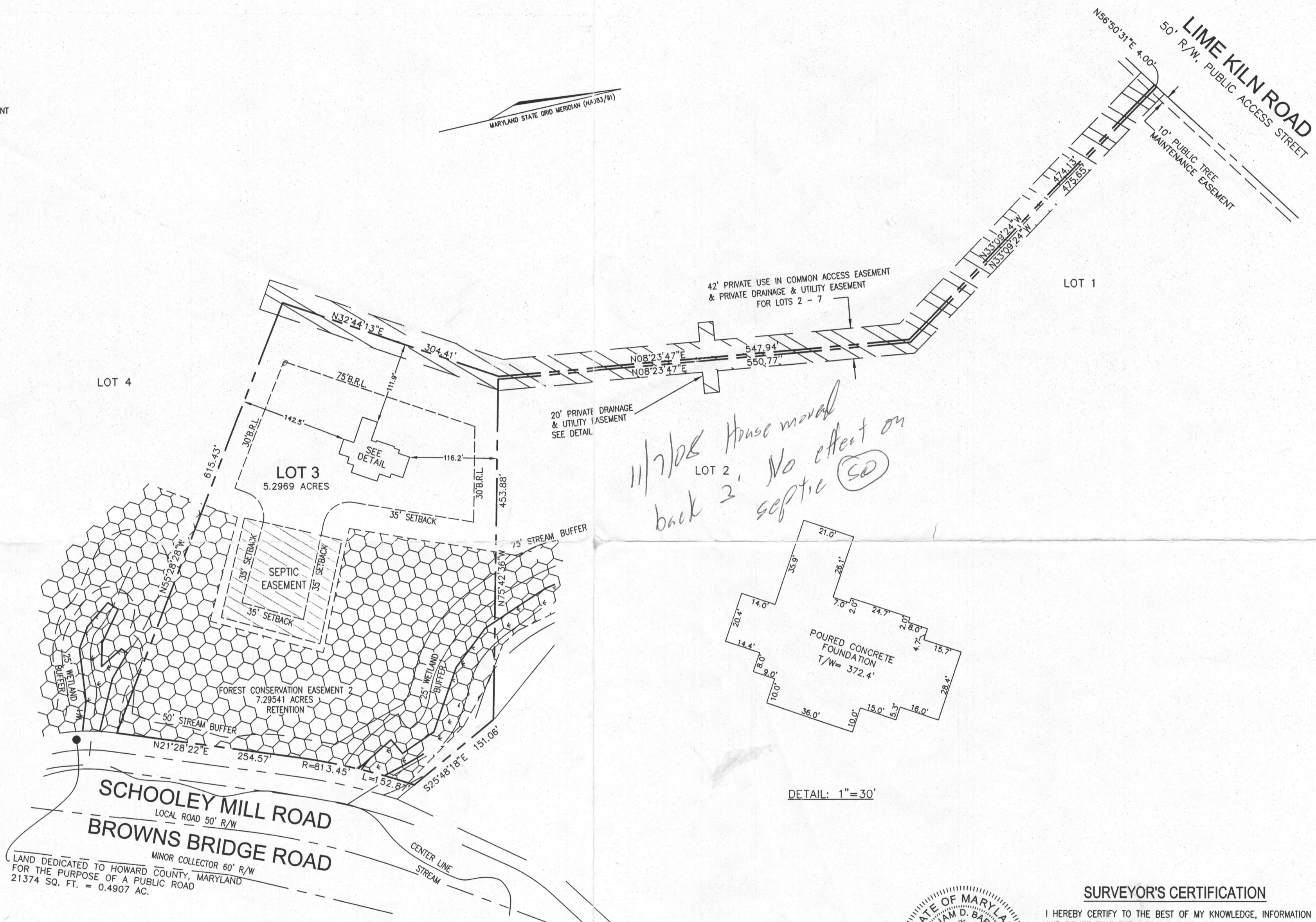
INSTALLATION 12/15/08 4" SHC installed up to Tank. Tank installed per plan. OK to continue. (KW) 12/18/08 Contractor had installed D box along w/ Top trench a little out at the septic area. Told them to ask builder to sign a letter stating that he will take responsibility for the and let the future home owners know. If not, the trench will need to be abandoned and a new one installed. OK to install last trench. (KW) 12/19/08 last trench installed. D box installed.

FINAL INSPECTOR K. Wall DATE OF APPROVAL 12/19/08  
 Awaiting letter from builder before ILOP can be issued. (KW)



LEGEND

-  PUBLIC FOREST CONSERVATION EASEMENT RETENTION
-  WETLANDS
-  PRIVATE SEWAGE DISPOSAL EASEMENT
-  PUBLIC TREE MAINTENANCE EASEMENT
-  42' PRIVATE USE IN COMMON ACCESS EASEMENT & PRIVATE DRAINAGE & UTILITY EASEMENT FOR LOTS 2 - 7



*11/7/08 House moved back 3' No effect on septic (SD)*

DETAIL: 1"=30'



**SURVEYOR'S CERTIFICATION**

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* 10-7-2008  
 WILLIAM D. BARKER  
 PROFESSIONAL LAND SURVEYOR  
 MARYLAND REG. No. 10074

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

REV#	DATE	DESCRIPTION

REVISIONS

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

WALL CHECK DRAWING  
 LOT 3  
 LIME KILN VALLEY  
 PHASE 1 AND 2  
 PLAT 19732-19738  
 FIFTH ELECTION DISTRICT

DATE	10/07/08	DRAWING NO.	1 OF 1
SCALE	1"=100'	CHECKED BY	W.D.B.
DRAWN BY	A.M.S.	RHV JOB NUMBER	04-021.00



Approved Septic System Plan  
 Howard County Health Department  
 5 Bedroom SFD  
 approved as shown  
 7/21/08  
 Date  
 R. Bricker  
 Signature

THE EXISTING WELL SHOWN ON  
 THIS PLAN TAG HO-95-1197  
 HAS BEEN FIELD LOCATED BY  
 ROBERT H. VOGEL ENGINEERING,  
 INC AND IS ACCURATELY SHOWN

NOTE:  
 ALL DIMENSION ARE  
 FROM ARCH  
 BRICK LEDGE.

NO.	REVISION	DATE

**NV HOMES  
 LIME KILN VALLEY II  
 RESITE LOT 3**

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  
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 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



DESIGN BY: \_\_\_\_\_ JAR  
 DRAWN BY: \_\_\_\_\_ JAR  
 CHECKED BY: \_\_\_\_\_  
 DATE: JULY 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 11-10-2008