

LAYOUT 6/23/09 INSP 4 \_\_\_\_\_  
 INSP 2 7/1/09 INSP 5 \_\_\_\_\_  
 INSP 3 7/2/09 INSP 6 \_\_\_\_\_

ISSUE DATE: 5/13/2009

APPROVAL DATE: 8/24/09

# PERMIT

*(Closed to Put Tr)*

P 531001  
 A 516084

Tax ID # 03-345211

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

Hatfield's Equipment \_\_\_\_\_ IS PERMITTED TO INSTALL  ALTER

ADDRESS: PO Box 519, Annapolis Junction PHONE NUMBER: 301-854-6172

SUBDIVISION: Riverwood I LOT NUMBER: 17

ADDRESS: 12052 Open Run Road PROPERTY OWNER: WINCHESTER HOMES

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

*Inlet 5', 2' Wide  
 Bottom 8'*

APPLICATION RATE: 1.2

LINEAR FEET OF TRENCH REQUIRED: 180 155'

*3 Trenches Around  
 50' in Length*

TRENCHES:	Trenches to be <u>3.0</u> feet wide. Inlet <u>7.0</u> feet below original grade. Bottom maximum depth 8.0 feet below grade. Effective area begins at <u>7.0</u> feet below original grade. <u>1.0</u> feet of stone below distribution pipe. <u>4.5'</u>
LOCATION:	1 Set septic tank per layout inspection. 2 Set distribution box per layout inspection. 3 Install 180 feet of trench on contour- (4) four - 45' trenches per layout inspection. <b>Note:</b> Distribution box should be installed at the highest point of the easement. These specs are only for the initial system.
NOTES:	1 Stake septic easement corners and addition corners for layout inspection. 2 Call for layout inspection. 3 Mark utilities. 4 Gravel tickets must be available for Environmental Sanitarians.

PLANS APPROVED: Dana Bernard DATE: 05/12/2009

- 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 As-Built Drawing  
On Separate Sheet

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	5'	8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		162'
ABSORPTION AREA		486
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	1 1/2 - 3 1/2'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	No
SLOTTED	Yes
DATE ON LID	O.K.
PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5 - 3.5'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	Front
WATERTIGHT TEST	No
SLOTTED	No
DATE ON LID	5/09

Traffic  
4"  
Lid

Traffic  
4"  
Lid

PRE-CONSTRUCTION:

6/23/09 Install tanks close to location shown on plan. Traffic bearing lids are required if any part of tanks will have more than 4' of cover. Install three trenches of approximately 50' on contour towards house on lot 16. The distribution box should be near the upper middle part of the easement. (BB) 7/1/09

INSTALLATION:

Tanks set. Started on pump line. Need house connection. (BB) 7/2/09 Trenches done. Need pump and alarm test and house connection. (BB) 7/22/09 Jeff from Hatfields said that the house connection had been made by Van Sant plumbing. (BB) 8/24/09 P.A.A. test good. Sys. complete. (plu)

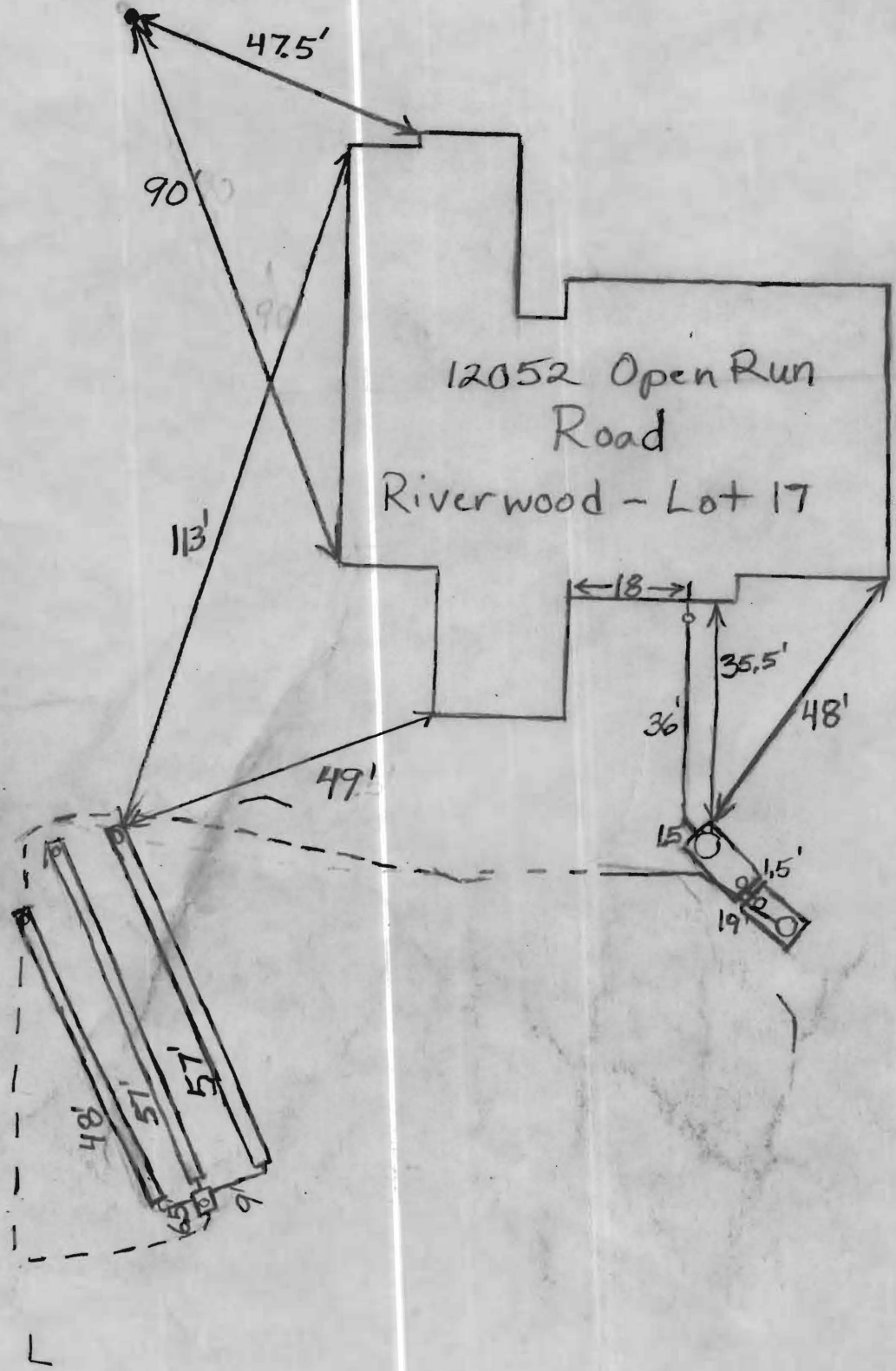
FINAL INSPECTOR

*[Signature]*

DATE OF APPROVAL

8/24/09

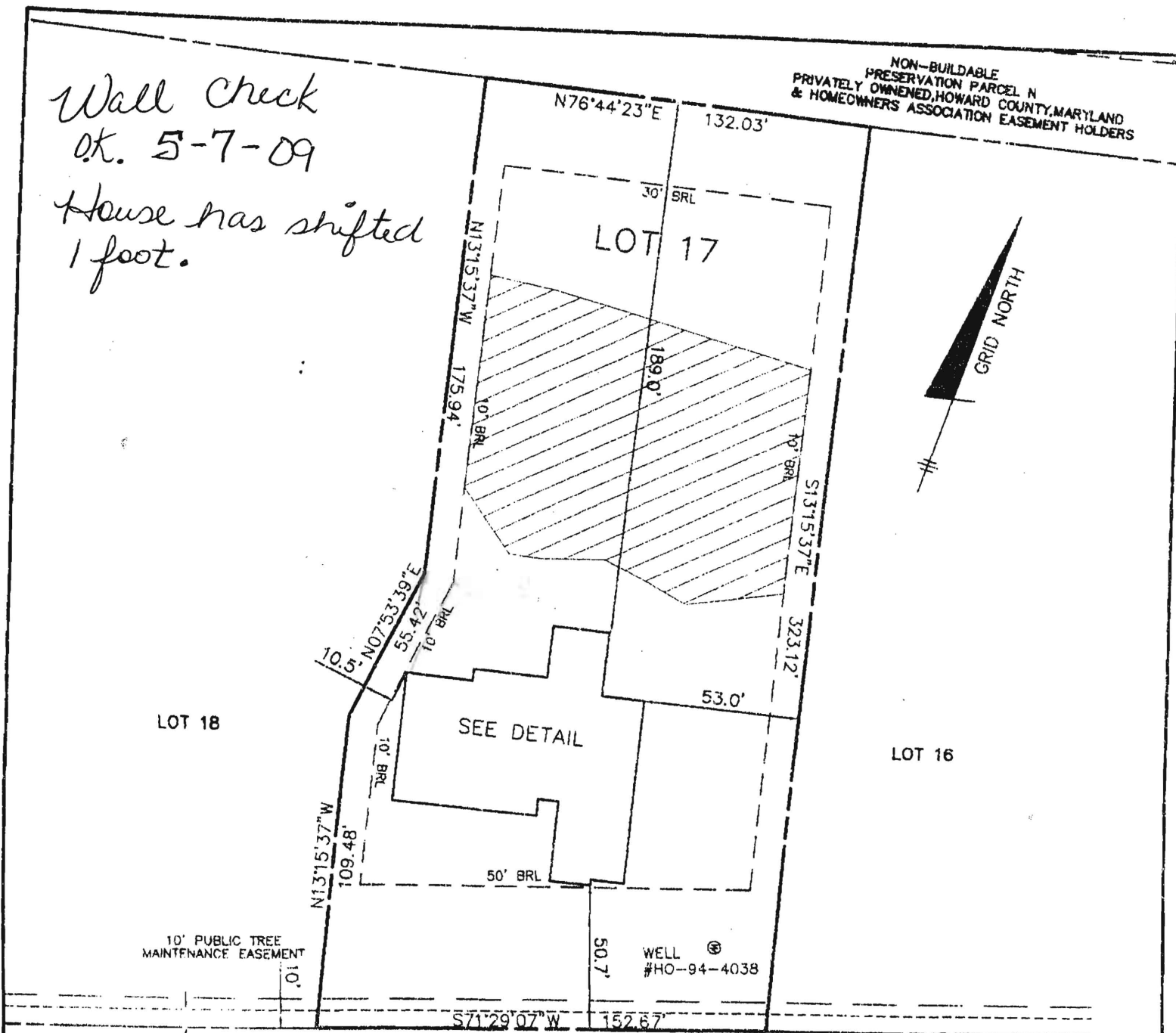
HO-94-4038



NOT TO SCALE

Wall Check  
 OK. 5-7-09  
 House has shifted  
 1 foot.

NON-BUILDABLE  
 PRESERVATION PARCEL IN  
 PRIVATELY OWNED, HOWARD COUNTY, MARYLAND  
 & HOMEOWNERS ASSOCIATION EASEMENT HOLDERS



10' PUBLIC TREE  
 MAINTENANCE EASEMENT

WELL  
 #HO-94-4038

6' PUBLIC DRAINAGE  
 & UTILITY EASEMENT

OPEN RUN ROAD

50' R/W

TOP OF FOUNDATION WALL ELEVATION = 451.5'  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.2'

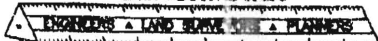
SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL  
 KNOWLEDGE, INFORMATION AND BELIEF, THAT THE  
 DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON  
 ARE CORRECT; THAT THEY ARE BASED ON A FIELD SURVEY  
 SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC.  
 ON 03/24/09.

*Donald A. Mason*

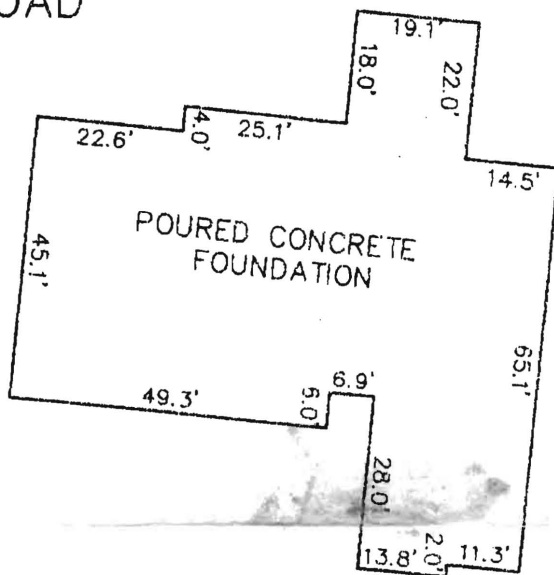
DONALD A. MASON  
 PROFESSIONAL LAND SURVEYOR  
 MD REG. No. 21320  
 FOR BENCHMARK ENGINEERING, INC.  
 MD REG. No. 351  
 FEMA FIRM No. 240044 0027 B  
 ZONE: C  
 DATED: 12/04/86

BENCHMARK



ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 phone: 410-465-6105 fax: 410-465-6644  
 www.bei-civilengineering.com



FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK

RIVERWOOD  
 PHASE 1  
 PLAT No. 18037  
 LOT No. 17

12052 OPEN RUN ROAD

3rd ELECTION DISTRICT

FIELD OBS. BY DH