

LAYOUT 11/5/08 INSP 4 \_\_\_\_\_  
INSP 2 11/6/08 INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 10/17/08

APPROVAL DATE: 11/7/08

# PERMIT

P 530205

A 516084

TAX ID # 03345203

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

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: P.O. Box 510 - Annapolis Junction PHONE NUMBER: 301-854-6172

SUBDIVISION: Riverwood LOT NUMBER: 16

ADDRESS: 12048 Open Run Rd PROPERTY OWNER: Winchester Homes

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

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

NUMBER OF BEDROOMS: 4 4'-9"

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

LINEAR FEET OF TRENCH REQUIRED: 110

TRENCHES:	Trench to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 5.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box at top center of easement. Run 2x55' trenches on each side of distribution box on contour.
NOTES:	Layout inspection required prior to installation. Install system per plan unless otherwise directed by HCHD.

PLANS APPROVED: Heidi Scott DATE: 7/23/08

- 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

206082

5710-1428-102

not to scale

See As-Built  
Drawing On Separate  
Sheet

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
2'	4'-4.5'	9'
NUMBER OF TRENCHES 2		
TOTAL LENGTH 115'		
ABSORPTION AREA 575		
DISTRIBUTION BOX LEVEL Levelers		
DISTRIBUTION BOX BAFFLE Yes		
DISTRIBUTION BOX PORT Yes		

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	2'-2.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	No
SLOTTED	Yes
PUMP/SEPTIC TANK LEVEL	N/A
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	

**PRE-CONSTRUCTION**

4/5/08 Topography  
different from plan.  
Trenches won't  
run straight along  
top of easement.

Otherwise only change is inlet at 4' and bottom at 9'.  
Contractor doesn't think he can make a 3' inlet by gravity. (BB)

INSTALLATION: 11/6/08 Tank set. Plumbing to dist. box done  
One 58' trench installed (BB) 11/7/08 System finished,  
O.K. to backfill (BB)

FINAL INSPECTOR B. Baker

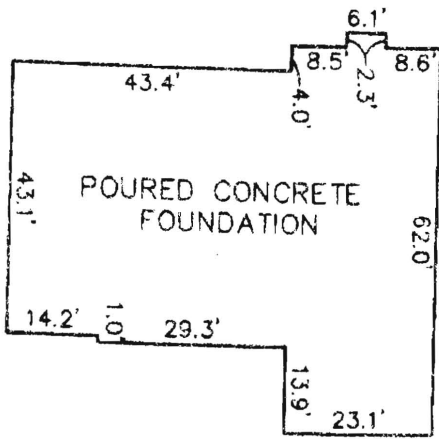
DATE OF APPROVAL 11/7/08



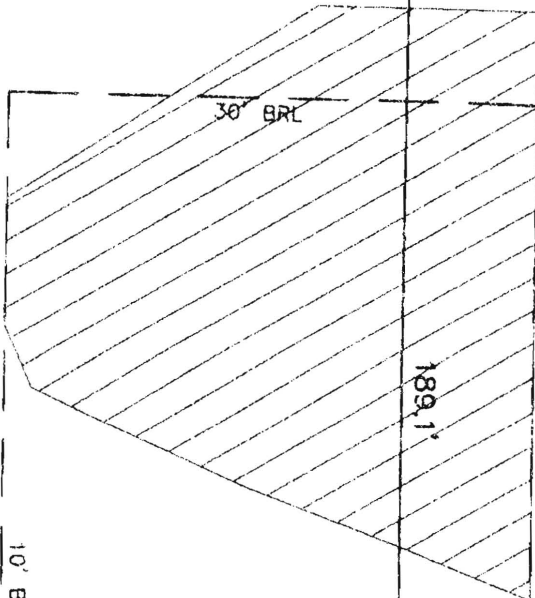
NON-BUILDABLE  
PRESERVATION PARCEL N

N76°44'23"E

130.00'



FOUNDATION DETAIL  
SCALE: 1" = 30'



LOT 16

SEE DETAIL



LOT 17

LOT 15

*Wall check OK  
10-17-08 HG*

10' PUBLIC TREE  
MAINTENANCE EASEMENT

6' PUBLIC DRAINAGE  
& UTILITY EASEMENT

WELL  
#HO-94-4037

111.52'  
S71°29'07"W  
OPEN RUN ROAD  
PUBLIC ACCESS STREET  
50' R/W

L=18.99  
R=350.00

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 RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 10/13/08.

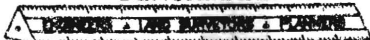
TOP OF FOUNDATION WALL ELEVATION = 460.1'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.2'

*Donald 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  
ELLCOTT CITY, MARYLAND 21043  
phone: 410-465-6105 • fax: 410-465-6644  
www.bei-civilengineering.com

WALL CHECK  
RIVERWOOD  
PHASE 1  
PLAT No. 18037  
LOT No. 16

12048 OPEN RUN ROAD

3RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FIELD OBS. BY DH  
COMP. BY EWF  
DRAWN BY EWF

SCALE: 1" = 40' DATE: 10/13/08