

LAYOUT 5/6/2010 INSP 4 _____
 INSP 2 5/10/2010 INSP 5 _____
 INSP 3 5/11/2010 INSP 6 _____

ISSUE DATE: _____
 APPROVAL DATE: 7/9/10

PERMIT

P 532569
 A 520414

Tax ID # 03351467

**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 20701 PHONE NUMBER: 301-854-6172

SUBDIVISION: Riverwood LOT NUMBER: 58

ADDRESS: 12063 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: 4 APPLICATION RATE: 0.8

SQUARE FOOTAGE OF HOUSE: 6507

LINEAR FEET OF TRENCH REQUIRED: 210 (150') 5'-7' Two 75'
3' Wide Trenches

TRENCHES:	Trenches to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.0 feet below grade. Effective area begins at 4.5 feet below original grade with 3.0 feet of stone below distribution pipe.
LOCATION:	Set septic tank and pump tank per plan. Install cleanouts at bends in SHC. Set distribution box at top center of septic easement. Install force main per layout inspection. Install 2x70' trenches on contour to east of distribution box and 1x70' trench to west.
NOTES:	Stake septic 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.

PLANS APPROVED: Robert Bricker DATE: 1/8/10

- 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

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3	5'	7'
NUMBER OF TRENCHES 2		
TOTAL LENGTH 151'		
ABSORPTION AREA 453+Sidewall		
DISTRIBUTION BOX LEVEL Yes		
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 1-2'

BAFFLES Yes

BAFFLE FILTER No

MANHOLE LOC Front

6" PORT LOC Rear

WATERTIGHT TEST No

SLOTTED Yes

PUMP/SEPTIC TANK LEVEL Yes

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 1-2'

BAFFLES Front

BAFFLE FILTER No

MANHOLE LOC Rear

6" PORT LOC None

WATERTIGHT TEST No

SLOTTED No

PRE-CONSTRUCTION

5/6/10 Install two 75' trenches on contour across the top eastern part of the

easement. Install the dist. box at the top center of the easement. Keep the tanks out of the swale. (BB)

INSTALLATION: 5/10/2010 Tanks and dist. box set. Started on bottom trench. Need house connection. (BB) 5/11/10 System finished except for house connection. Need pump and alarm test. (BB)

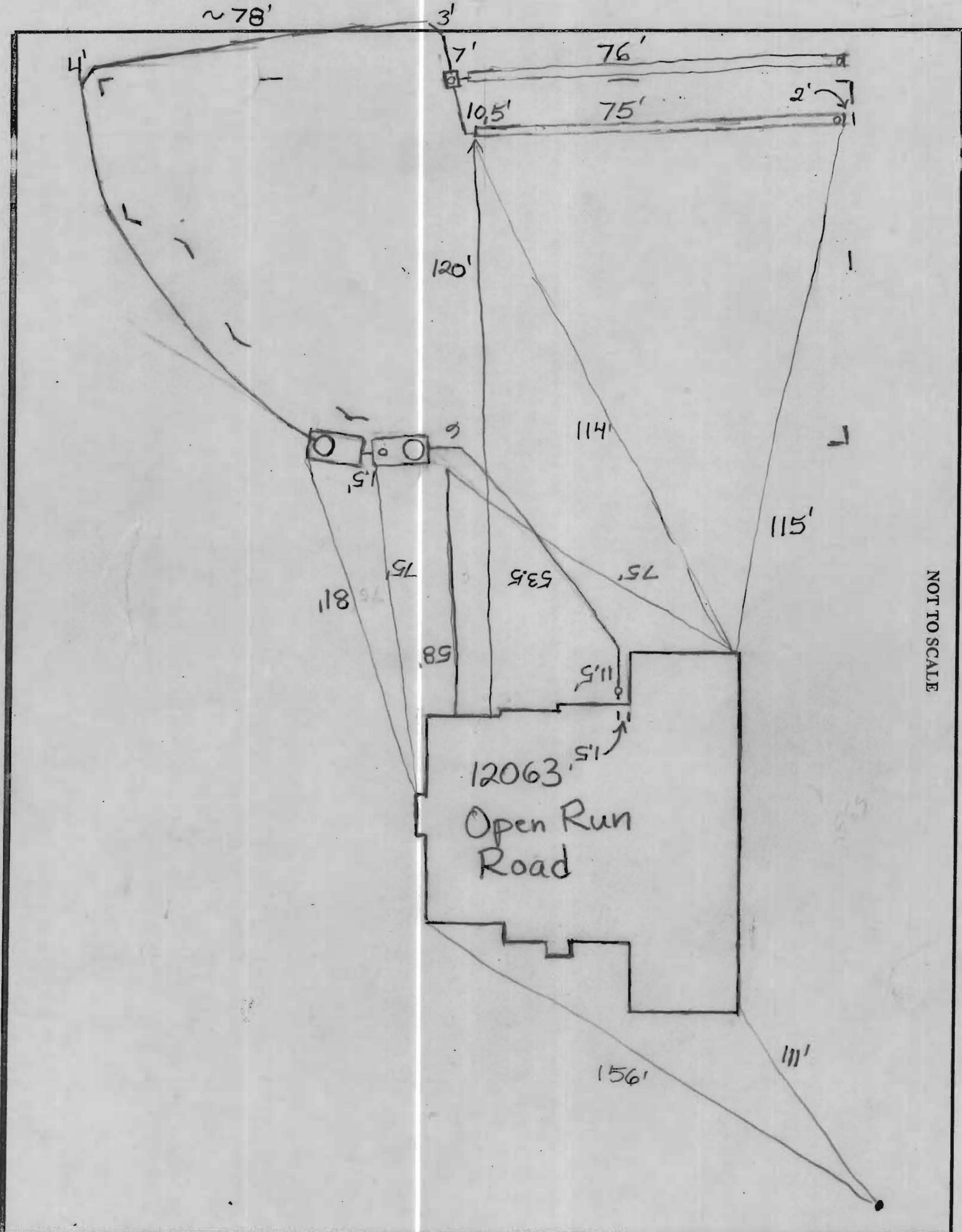
5/24/10 House connection made (KW) 7/9/10 Pump and alarm test verified. Everything working. (KW)

FINAL INSPECTOR

K. Way

DATE OF APPROVAL

7/9/10



NOT TO SCALE

HO-95-0703

EX. 10' PUBLIC TREE
MAINTENANCE EASEMENT
PLAT NO. 18036

OPEN RUN ROAD

PUBLIC ACCESS STREET(50' R/W)

N88°58'19"E 155.68' L=35.00'
R=425.00'

EX. 6' PUBLIC DRAINAGE &
UTILITY EASEMENT
PLAT NO. 18037

LOT 57

EX. 20' PUBLIC STORM DRAIN &
UTILITY EASEMENT PLAT NO. 18038

N10°25'12"W 175.80'

10' BR.

10' BR.

N26°26'09"W 105.89'

10' BR.

N41°35'54"W 39.12'

30' BR.

N55°13'39"W 112.25'

WELL (W)
#HO-95-0703

S01°01'41"E 366.00'

GRID NORTH

NON-BUILDABLE
PRESERVATION PARCEL
DEDICATED TO HOWARD COUNTY, MARYLAND
HOMEOWNERS ASSOCIATION EASEMENT HOLDER

LOT 58

SEE DETAIL

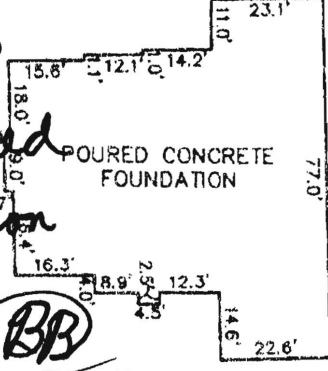
20' PUBLIC
STORM DRAIN &
UTILITY EASEMENT

EX. FOREST CONSERVATION
EASEMENT #7 - RETENTION
PLAT #18309

3/26/2010

Housewood
1' Location

O.K. BB



FOUNDATION DETAIL
SCALE: 1" = 40'

WALL CHECK

RIVERWOOD

PHASE 2 LOTS 43 THRU 77
PLAT No. 19723

LOT No. 58

12063 OPEN RUN ROAD

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 03/16/10

TOP OF FOUNDATION WALL ELEVATION = 419.3'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

SURVEYOR'S CERTIFICATE

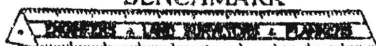
I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL
KNOWLEDGE, INFORMATION AND BELIEF, THAT THE
DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON
ARE CORRECT; THAT THEY ARE BASED ON A FIELD
SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC.
ON 03/16/10.

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 A SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-465-6105 A fax: 410-465-6644
www.bei-civilengineering.com

FIELD OBS. BY PJ
COMP. BY EWF
DRAWN BY EWF