

LAYOUT 7/12/11 INSP 4 \_\_\_\_\_  
 INSP 2 7/14/11 INSP 5 \_\_\_\_\_  
 INSP 3 7/15/11 INSP 6 \_\_\_\_\_

ISSUE DATE: 6/28/2011  
 APPROVAL DATE: 10/3/2011

# PERMIT

P 535279  
 A 516084

Tax ID # 08-345270

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

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: P.O. Box 519 Annapolis Junction PHONE NUMBER: 410-934-0047

SUBDIVISION: Riverwood LOT NUMBER: 22

ADDRESS: 4880 Castle Bridge 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: ±5153 2' wide

LINEAR FEET OF TRENCH REQUIRED: 155' 4'-7.5'  
150 ~67 for #2 stone

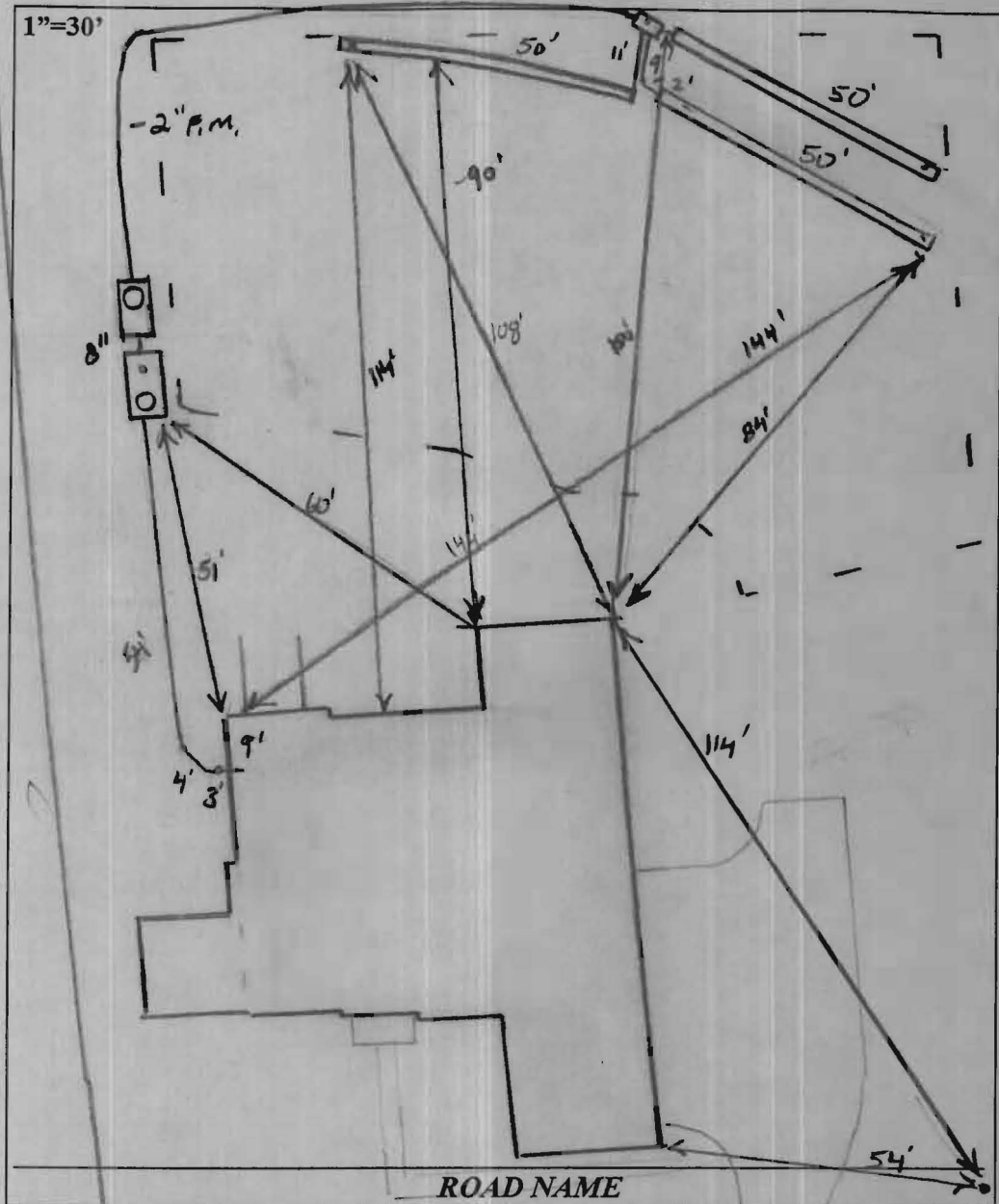
TRENCHES:	Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade with 2.0 feet of stone below distribution pipe. <u>~64 top</u>
LOCATION:	Set septic tanker layout inspection. Set distribution box at the highest point of the easement per layout inspection. Install 155' of trench on contour per layout inspection.
NOTES:	<b>Do not</b> order the septic tank until after layout inspection and Sanitarian approval. Stake 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. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED: Dana Bernard DATE: 4/25/11

- 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**

1"=30'



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
2	4'	7.5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		150
ABSORPTION AREA		300' + SW
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		45° bend
DISTRIBUTION BOX PORT		Yes

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	TOP
TANK LID DEPTH	2.5'
BAFFLES	Yes
BAFFLE FILTER	—
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	—
SLOTTED	Yes
DATE ON LID	6/6/11
<b>PUMP</b> SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	3'
BAFFLES	Front
BAFFLE FILTER	—
MANHOLE LOC	Rear
6" PORT LOC	Rear
WATERTIGHT TEST	—
SLOTTED	NO
DATE ON LID	6-12-11

NO. 94-41054 PRE-CONSTRUCTION:

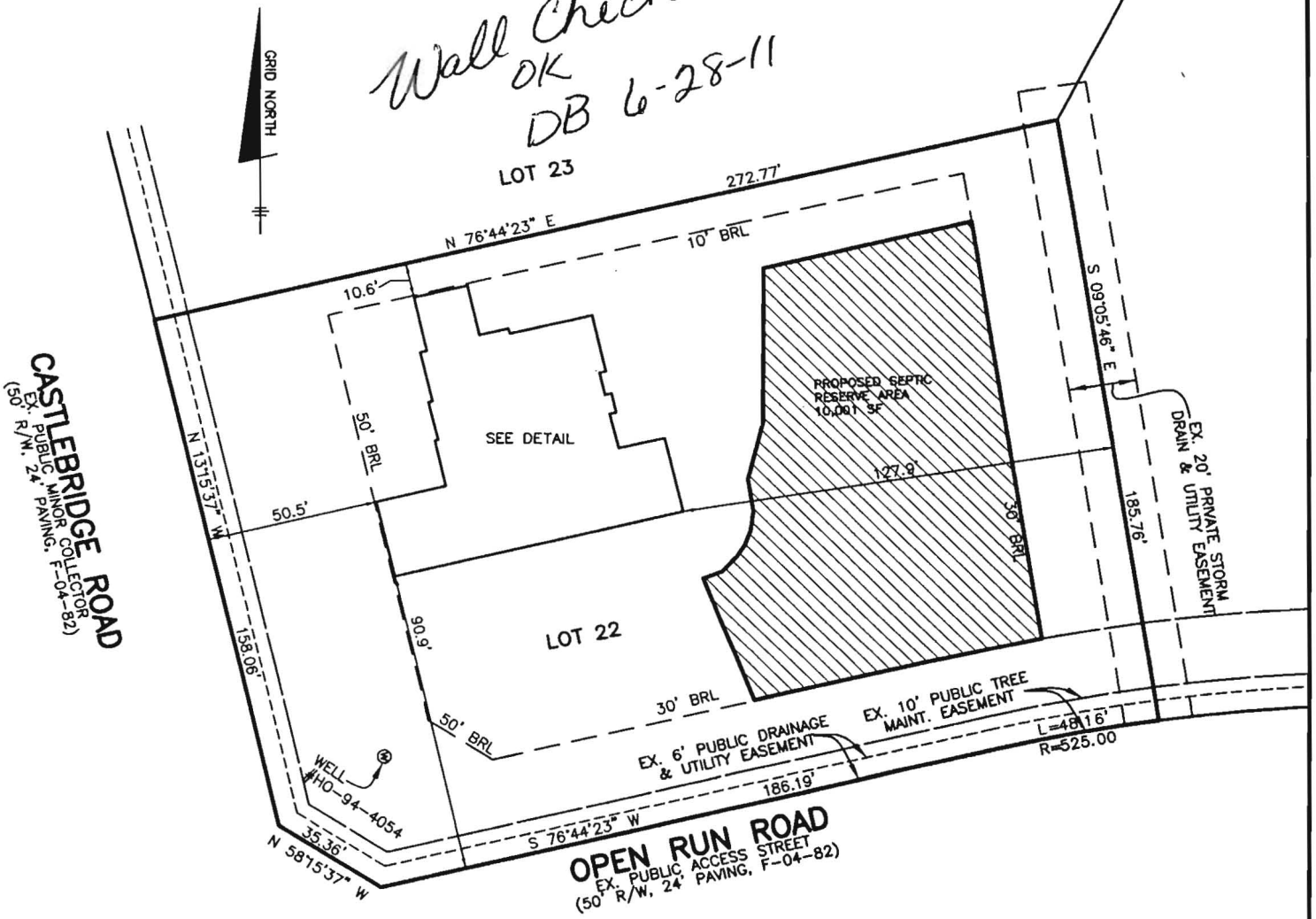
7/12/11 Contractor to install 3 trenches. All 50' length. w/ D box @ top center of SRA. Run 2 x 50' trenches on center towards open area and 1 x 50' trench in opposite direction set stakes near lower right corner of SRA. Unknown location of well line from neighboring lot 212 needs to be confirmed prior to installation: digging site and talk to (KW)

7/13/11 site installed. Both tanks set. F.M. ran. Did not hit well line. Digging trenches now (KW) Also stone looked pretty dirty. Informed contractor. (KW)

7/15/11 Trenches complete. OK to leave all work. Need p/m for final approval (KW) 10/3/2011 Pump and alarm working. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 10/3/2011

Wall Check  
OK  
DB 6-28-11

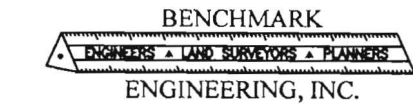
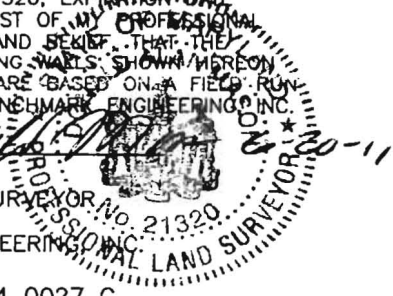


TOP OF FOUNDATION WALL = 409.8  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

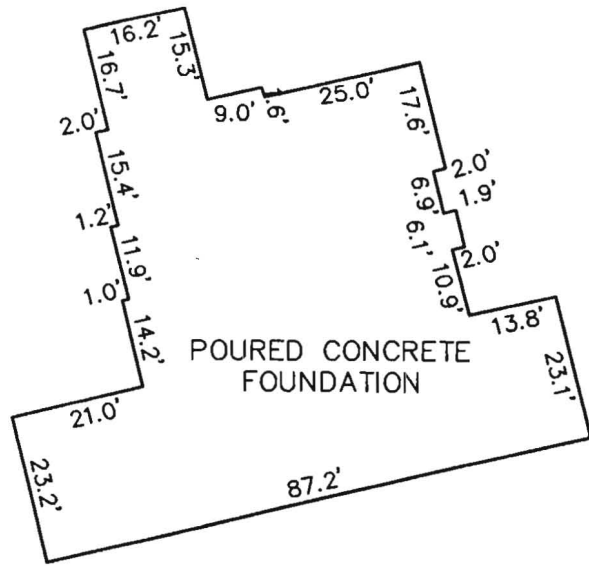
**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THESE DOCUMENTS, WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21320, EXPIRATION DATE 1-7-2013 AND 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 06/10/11.

DONALD A. MASON  
PROFESSIONAL LAND SURVEYOR  
MD REG. No. 21320  
FOR BENCHMARK ENGINEERING, INC.  
MD REG. No. 351  
FEMA FIRM No. 240044 0027 C  
ZONE: X  
DATED: 4/2/97



8480 BALTIMORE NATIONAL PIKE • SUITE 418  
ELLCOTT 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. 20775  
LOT No. 22

4880 CASTLEBRIDGE ROAD  
3RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: 06/10/11

FIELD OBS. BY AS  
COMP. BY EDD  
DRAWN BY EDD