

LAYOUT 10/25/10 INSP 4 _____
 INSP 2 10/28/2010 INSP 5 _____
 INSP 3 10/29/2010 INSP 6 _____

ISSUE DATE: 10-14-10

PERMIT

P _____

APPROVAL DATE: 1/7/2011

Tax ID # 03-345319

A 534063

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

Hatfield's Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: P.O. Box 519 Annapolis Junction MD 20701 PHONE NUMBER: 301-854-6172

SUBDIVISION: Riverwood LOT NUMBER: 26

ADDRESS: 4865 Castlebridge 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: 1.2

SQUARE FOOTAGE OF HOUSE: 4642 3 trenches

LINEAR FEET OF TRENCH REQUIRED: 170 in 4-8'

TRENCHES:	Trenches to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.5 feet below original grade with 4.0 feet of stone below distribution pipe.
LOCATION:	Set septic tank and pump tank per layout inspection. Set distribution box per layout inspection. Install force main per layout inspection. Install one 50' trench and two 60' trenches on contour.
NOTES:	Do not 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.

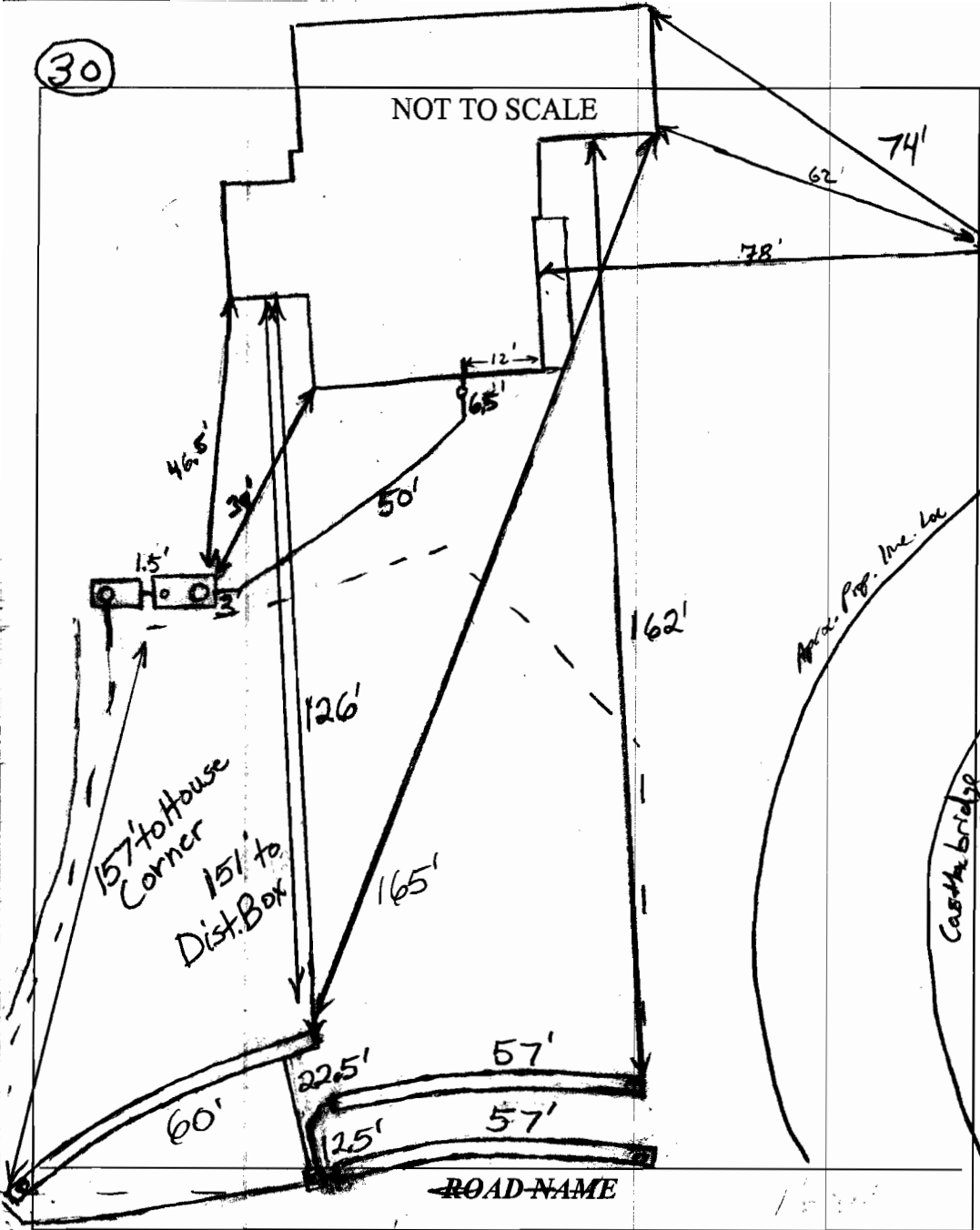
PLANS APPROVED: Robert Bricker DATE: 8/23/10

- 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

30

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	8'
NUMBER OF TRENCHES	3	
TOTAL LENGTH	174'	
ABSORPTION AREA	435	
DISTRIBUTION BOX LEVEL	Yes	
DISTRIBUTION BOX BAFFLE	Elbow	
DISTRIBUTION BOX PORT	Yes	

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	3.5'-4'
BAFFLES	Yes
BAFFLE FILTER	—
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	—
SLOTTED	Yes
DATE ON LID	8/20/10
UMP SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	3.5'
BAFFLES	Front
BAFFLE FILTER	—
MANHOLE LOC	Rear
6" PORT LOC	none
WATERTIGHT TEST	—
SLOTTED	no
DATE ON LID	8/23/10

PRE-CONSTRUCTION:

10/25/10 Set both tanks 20' from house and out of swale.
 Set down drop center of SRA. Install 2x55' trench every trench
 castle bridge rd and 1x55' trench running opposite direction **(K)**

INSTALLATION: 10/28/10 Both tanks set per layout instructions. 4" gully side installed. < 1/8" fall in 55'. should be ok. c/o @ base **(K)**

10/29/2010 System finished except for pump and alarm test. **(B)**

1/7/2011 Pump and alarm working. **(B)**

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 1/7/2011

CASTLEBRIDGE ROAD
PUBLIC ROAD 50' R/W

GRID NORTH

6' PUBLIC DRAINAGE & UTILITY EASEMENT

S11°39'37"E

79.22'

L=52.36'
R=50.00'

Wall check OK
10-14-10
HS

WELL NO TAG NUMBER

10' PUBLIC TREE MAINT. EASEMENT

81.1'

LOT 26

L=153.79'
R=100.00'

NON-BUILDABLE PRESERVATION PARCEL R

191.08'

N78°23'03"E

40.0'

30' BRL

58.1'

30' BRL

43.86'

N15°57'44"E

30' BRL

58.1'

30' BRL

121.73'

N00°00'00"E

86.57'

N12°02'24"W

10' BRL

172.65'

10' BRL

86.57'

30' BRL

30' BRL

30' BRL

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SEE DETAIL

PORCH

LOT 27

TOP OF FOUNDATION WALL ELEVATION = 414.0'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

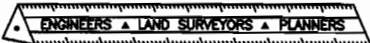
SURVEYOR'S CERTIFICATE

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 RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 09/24/10.

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

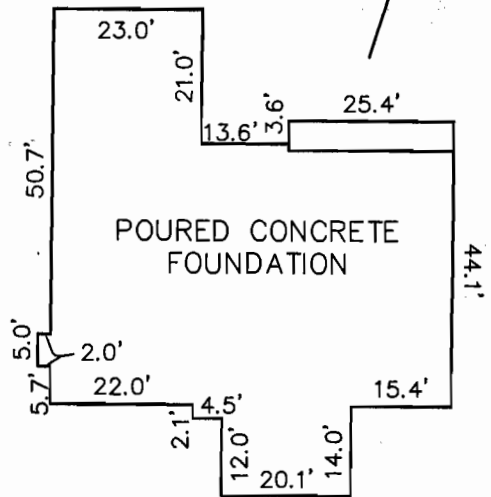
BENCHMARK



ENGINEERING, INC.

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

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



FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK
RIVERWOOD
PHASE 1
PLAT No. 18039
LOT No. 26

4865 CASTLEBRIDGE ROAD

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 09/24/10