

LAYOUT 5/6/2010 INSP 4 6/11/2010
 INSP 2 5/24/2010 INSP 5 _____
 INSP 3 5/25/2010 INSP 6 _____

ISSUE DATE: 3/12/2010

P 532516

APPROVAL DATE: 8/25/2010

A 520414

PERMIT

Tax ID # 03351327

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

3

Hatfields IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Riverwood LOT NUMBER: 45

ADDRESS: 4820 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: 0.8

SQUARE FOOTAGE OF HOUSE: 3793

*4' Inlet
 8' Bottom
 2' Wide
 60' x 90'*

LINEAR FEET OF TRENCH REQUIRED: 150

TRENCHES:	Trenches to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below grade. Effective area begins at 3.5 feet below original grade with 4.0 feet of stone below distribution pipe.
LOCATION:	Set septic tank and pump tank per plan. Set distribution box at septic easement boundary near crest of slope. Install 3x50' trenches on contour on north facing slope.
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
2	4'	8'
NUMBER OF TRENCHES 2		
TOTAL LENGTH 150'		
ABSORPTION AREA 600		
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	1-2.5'
BAFFLES	Rear
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	No
SLOTTED	Yes 4/25/10

PUMP/SEPTIC TANK LEVEL

MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5-3'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	none
WATERTIGHT TEST	No
SLOTTED	no 3/2/10

PRE-CONSTRUCTION

5/6/10 Install a
60' and 90' trench
on contour in the
northernmost
section of the

septic easement. Keep tanks out of drainage/swale areas. (BB)

5/24/10 Both tanks set. nothing else completed. (KW)

INSTALLATION: 5/25/2010 Need house connection and pump and alarm
test. (BB) 6/11/2010 House connection made. (BB) 8/25/2010

Pump and alarm working. (BB)

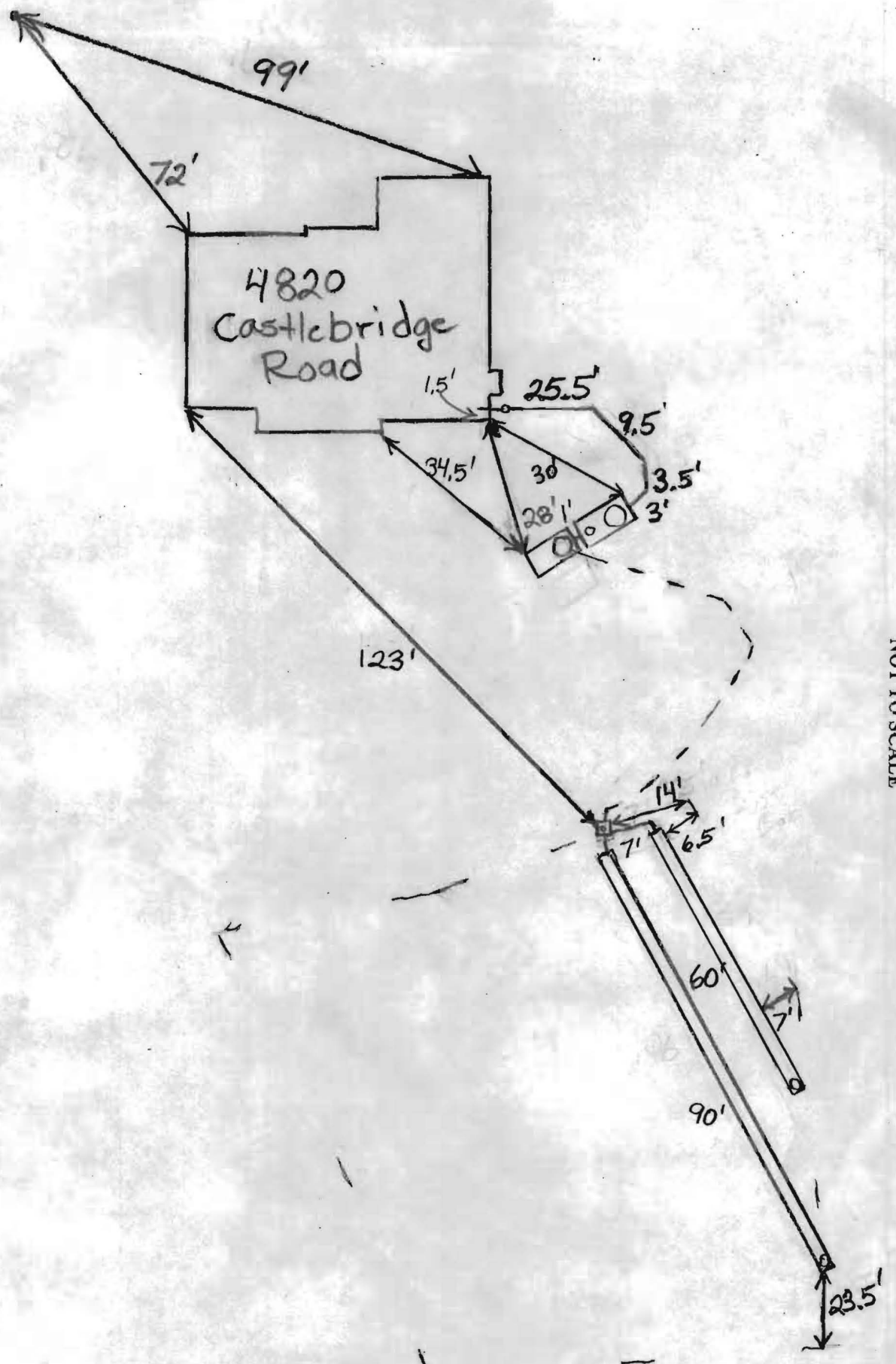
FINAL INSPECTOR B. Baker

DATE OF APPROVAL 8/25/2010

HO-95-0690

1" = 30'

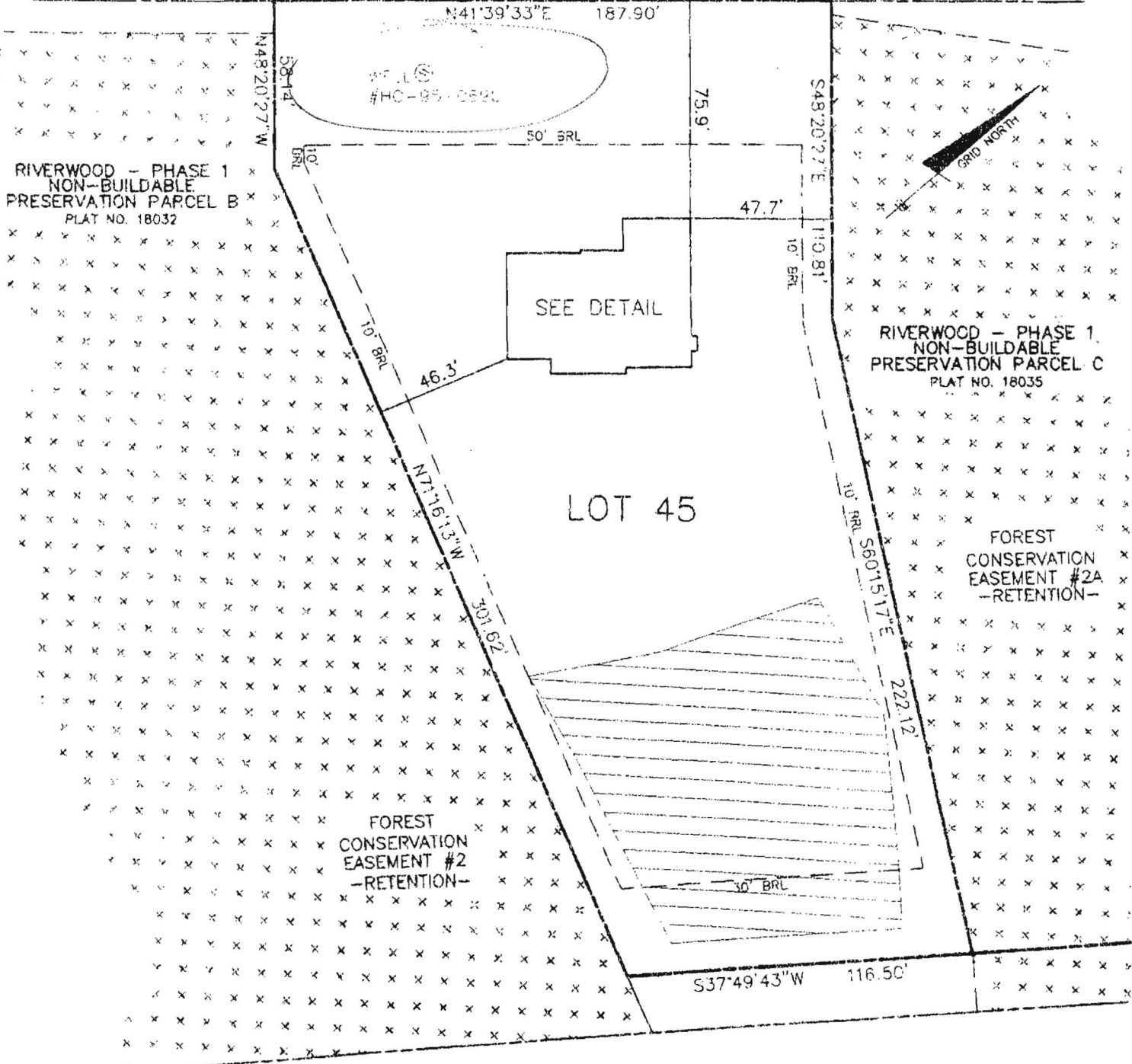
4820
Castlebridge
Road



NOT TO SCALE

*Wall check
OK re B 3/12/2010*

CASTLEBRIDGE ROAD
PUBLIC ROAD - 50' R/W



TOP OF FOUNDATION WALL ELEVATION = 394.0'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.2'

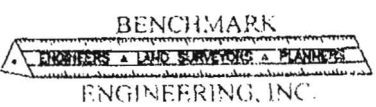
SURVEYOR'S CERTIFICATE

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 PERFORMED BY BENCHMARK ENGINEERING, INC. ON 03/01/10.

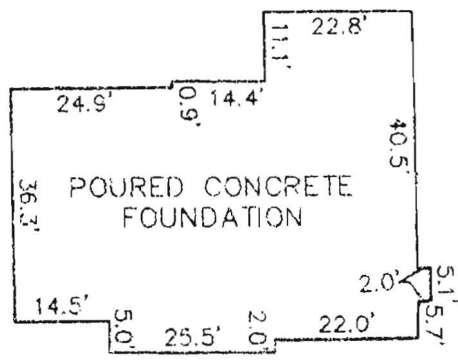
Donald A. Mason
 DONALD A. MASON
 PROFESSIONAL LAND SURVEYOR
 MD REG. No. 21320



FOR BENCHMARK ENGINEERING, INC.
 MD REG. No. 351
 FEMA FIRM No. 240044 0027 B
 ZONE: C
 DATED: 12/04/86



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-2
 PLAT No. 19721
 LOT No. 45

4820 CASTLEBRIDGE ROAD

3RD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: 03/01/10

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

10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-(BENCHMARK ENGINEERING, INC. AND IS ACCURATELY
11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS BOUNDARY EXCEPT AS NOTED.
12. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL CERTIFICATION PLAN.
13. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED POND.
14. THE TOTAL LIVING SPACE FOR LOT 45 IS 3,793 S.F.



BENCHMARK
 ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 ▲ FAX: 410-465-6644
 EMAIL: benchmrk@cais.com

