

LAYOUT 6/18/10 INSP 4 \_\_\_\_\_  
 INSP 2 6/23/10 INSP 5 \_\_\_\_\_  
 INSP 3 6/24/10 INSP 6 \_\_\_\_\_

ISSUE DATE: 5/17/2010

# PERMIT

P 533242

APPROVAL DATE: 6/24/10

A 520414

Tax ID # 03351459

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

Matfield's Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: PO Box 519, Annapolis Junction 20701 PHONE NUMBER: 410-984-8047

SUBDIVISION: Riverwood II LOT NUMBER: 57

ADDRESS: 12071 Open Run Road PROPERTY OWNER: Winchester Homes Inc.

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

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

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 0.8

SQUARE FOOTAGE OF HOUSE: >3700

LINEAR FEET OF TRENCH REQUIRED: 180  
165

*Trenches:  
 2' wide  
 Inlet @ 4'  
 Bottom @ 7' → (100 dia) #2 stone  
 ~ 13.5 ton*

TRENCHES:	Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below grade. Effective area begins at 5.5 feet below original grade with 4.0 feet of stone below distribution pipe.
LOCATION:	Set septic tank per layout inspection. Set distribution box near northeast corner of septic reserve, but on east boundary. Install 3x60' trenches on contour from east boundary of septic reserve.
NOTES:	<b>Do not</b> order the septic tank until after layout inspection and Sanitarian approval. 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. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

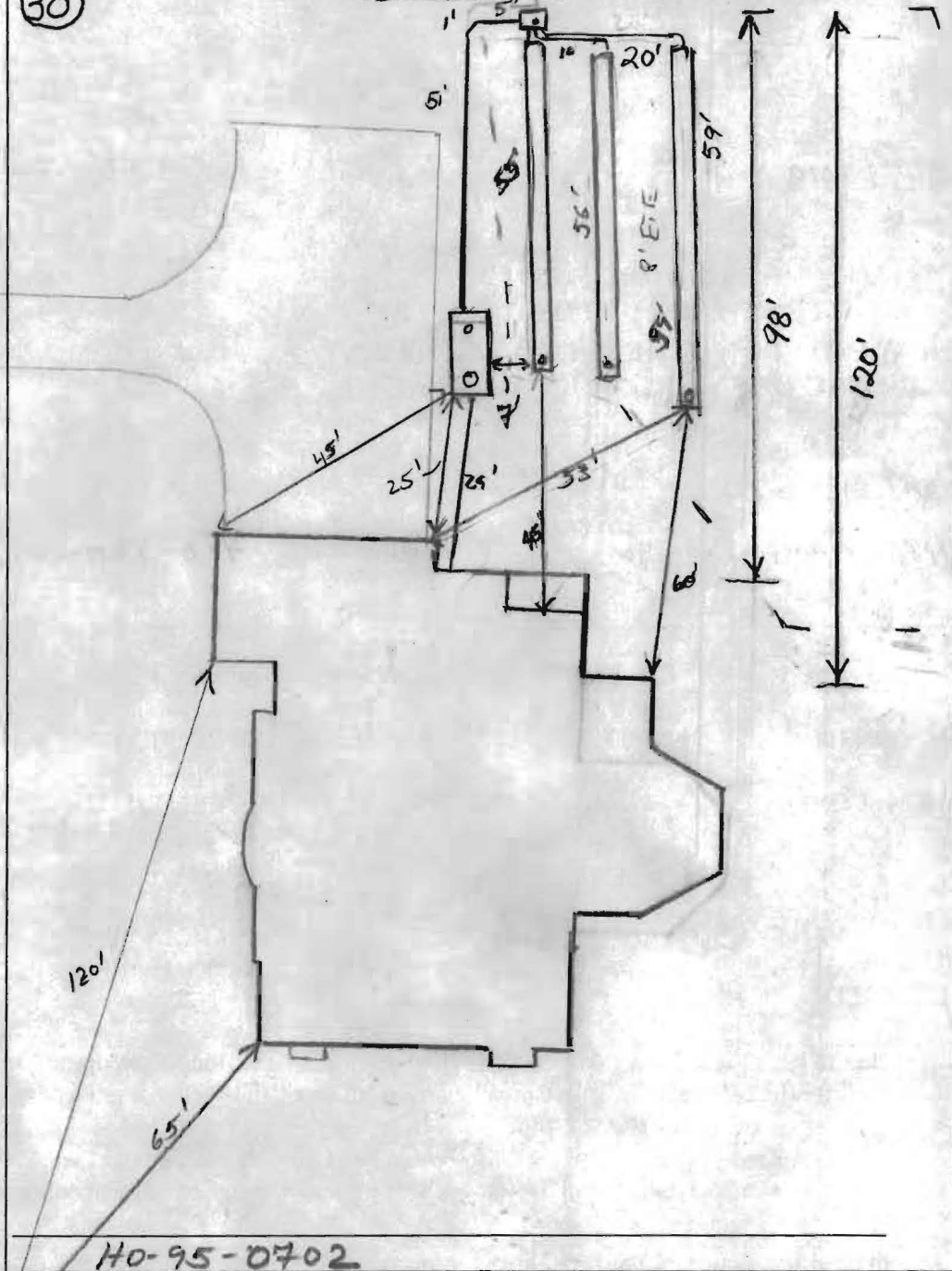
PLANS APPROVED: Robert Bricker KW DATE: 2/17/10

- 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 PERMITTED RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

30

SCALE:



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	9'
NUMBER OF TRENCHES		3
TOTAL LENGTH		170'
ABSORPTION AREA		3240' + 51W
DISTRIBUTION BOX LEVEL		Level
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK I 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	Roof
WATERTIGHT TEST	—
SLOTTED	Yes 5/24/10
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	MA
CAPACITY	— GAL
SEAM LOC	—
TANK LID DEPTH	—
BAFFLES	—
BAFFLE FILTER	—
MANHOLE LOC	—
6" PORT LOC	—
WATERTIGHT TEST	—
SLOTTED	—

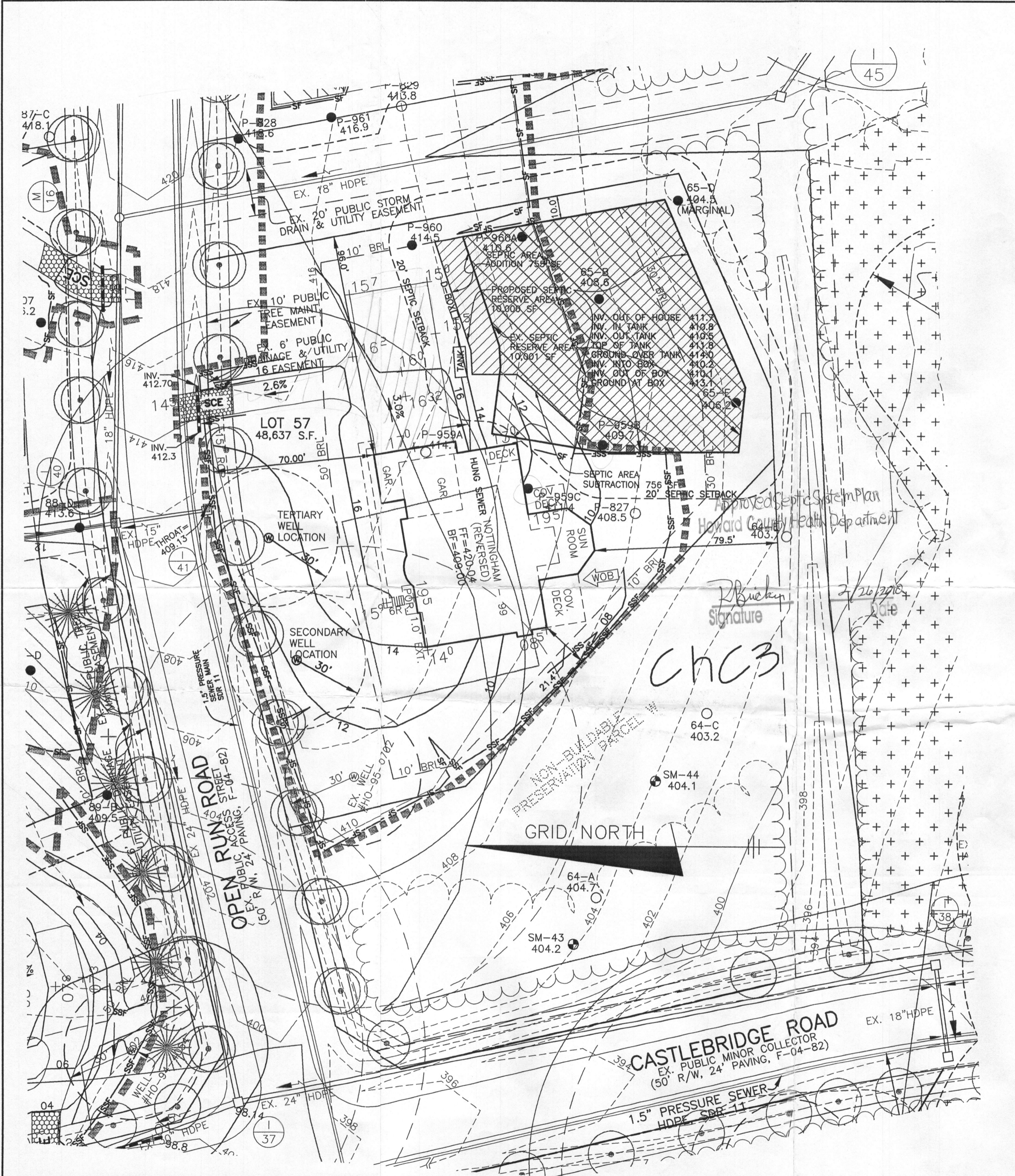
PRE-CONSTRUCTION  
 6/18/10 Install S.T. as shown on approved BP plan. Trenches are to be 2' wide, 4' below grade.

H0-95-0702

with bottoms @ 9'. Install 3x55' trenches on contour using brick manhole base. (KW)

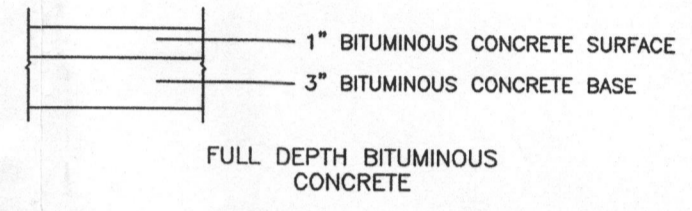
INSTALLATION: 6/23/10 Tank set, House connection made. Top finish completed. OK to continue. (KW) 6/24/10 System complete. All trenches complete. Dbox leveled. OK to cover. (KW)

FINAL INSPECTOR K. Way DATE OF APPROVAL 6/24/10



**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 2, PLAT No. 19723. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-05-31 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
9. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-0702, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.



**PAVING SECTION**  
NOT TO SCALE

**LEGEND**

- EXISTING CONTOURS ESTABLISHED UNDER F-04-82
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- FAILED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED RESERVED SEPTIC RESERVE AREA

Approved Septic System Plan  
Howard County Health Department  
*R. Buckley*  
Signature  
2/26/2010  
DATE

CHC3

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

*John M. Carney* 2/6/10  
PLAN PREPARER  
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:  
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Bradley P. Bielewicz* 2/25/10  
COUNTY HEALTH OFFICER  
DATE

**BENCHMARK**  
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS  
**ENGINEERING, INC.**

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

*Stamped as Site Plan*  
*ref 2/26/2010*

OWNER/BUILDER: CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929		PROJECT: <b>RIVERWOOD LOT 57</b>	
LOCATION: 12071 OPEN RUN ROAD ELLCOTT CITY, MD 21042 TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		TITLE: <b>PLOT PLAN AND REVISED PERCOLATION CERTIFICATION PLAN</b>	
HOUSE TYPE: NOTTINGHAM-99		DATE: JUNE 15, 2009 FEBRUARY 05, 2010	
DESIGN: JMC		PROJECT NO. 1950	
DRAFT: JMC		SCALE: 1" = 30'	
DRAWING 1 OF 1			