

LAYOUT 6/30/10 INSP 4 _____
 INSP 2 7/1/10 INSP 5 _____
 INSP 3 _____ INSP 6 _____

ISSUE DATE: 6-4-10

PERMIT

P _____

APPROVAL DATE: 7/2/2010

Tax ID # 03-345157

A 533274

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

IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Riverwood LOT NUMBER: 12

ADDRESS: 11058 Hunters View Road PROPERTY OWNER: Winchester Homes

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

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE: +3500

LINEAR FEET OF TRENCH REQUIRED: 105'

*2' wide
 Inlet @ 3'
 Bottom @ 7.5'*

110LF

6.1 den

TRENCHES:	Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.0 feet below grade. Effective area begins at 4.0 feet below original grade with 3.0 feet of stone below distribution pipe.
LOCATION:	Place cleanout every 70'. Run 2x52' trenches on contour.
NOTES:	Do not 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: Dana Bernard/Heidi Scott DATE: 4/12/10

- 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 Seperate sheet
for As-Built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH INLET BOTTOM
2' 3.-4.5' 7-8'

NUMBER OF TRENCHES 2

TOTAL LENGTH 113'

ABSORPTION AREA 339+

DISTRIBUTION BOX LEVEL Levelers

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 2-2.5'

BAFFLES Yes

BAFFLE FILTER —

MANHOLE LOC Front

6" PORT LOC Rear

WATERTIGHT TEST —

SLOTTED Yes

DATE ON LID 6/1/10

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER

CAPACITY GAL

SEAM LOC

TANK LID DEPTH

BAFFLES

BAFFLE FILTER

MANHOLE LOC

6" PORT LOC

WATERTIGHT TEST

SLOTTED

DATE ON LID

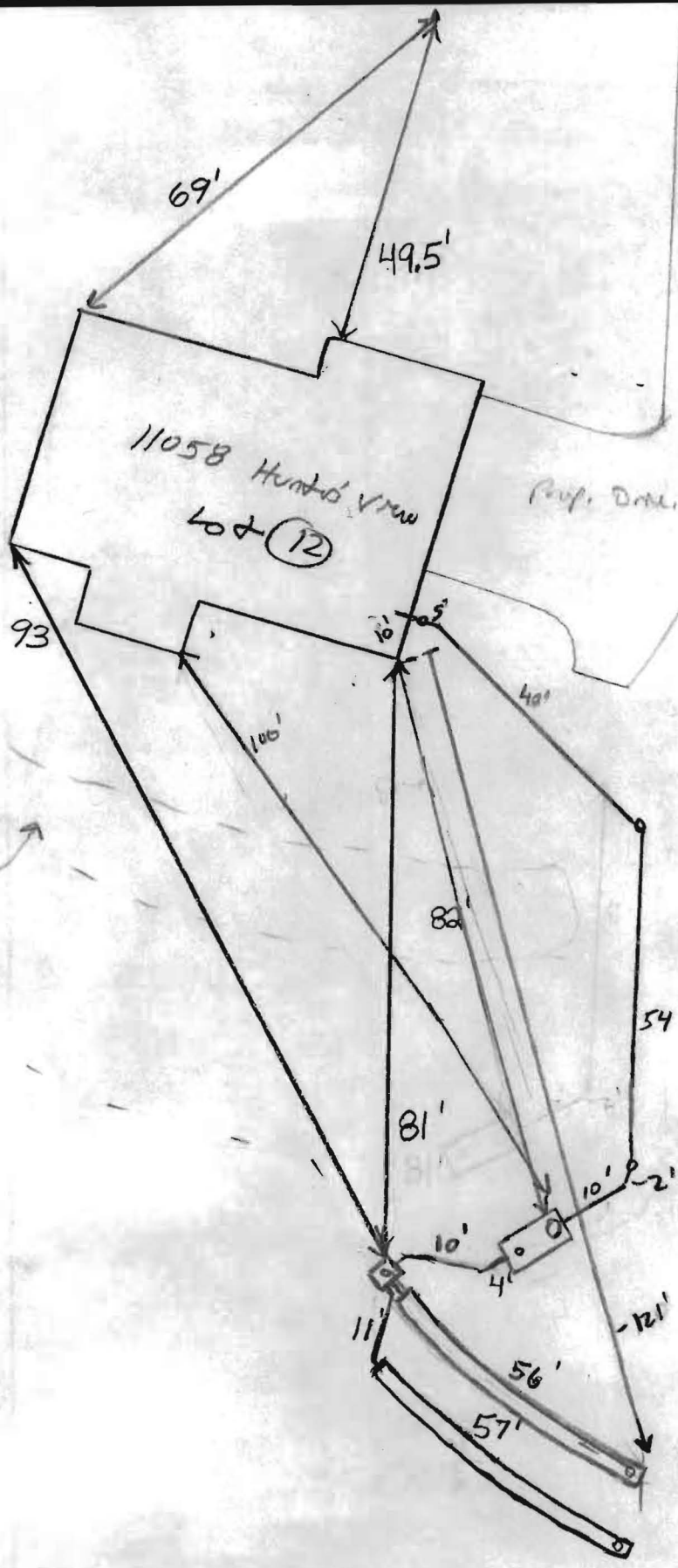
PRE-CONSTRUCTION:

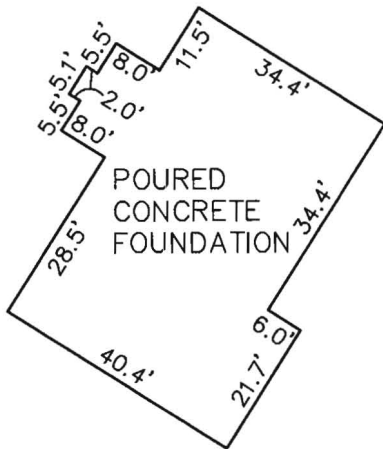
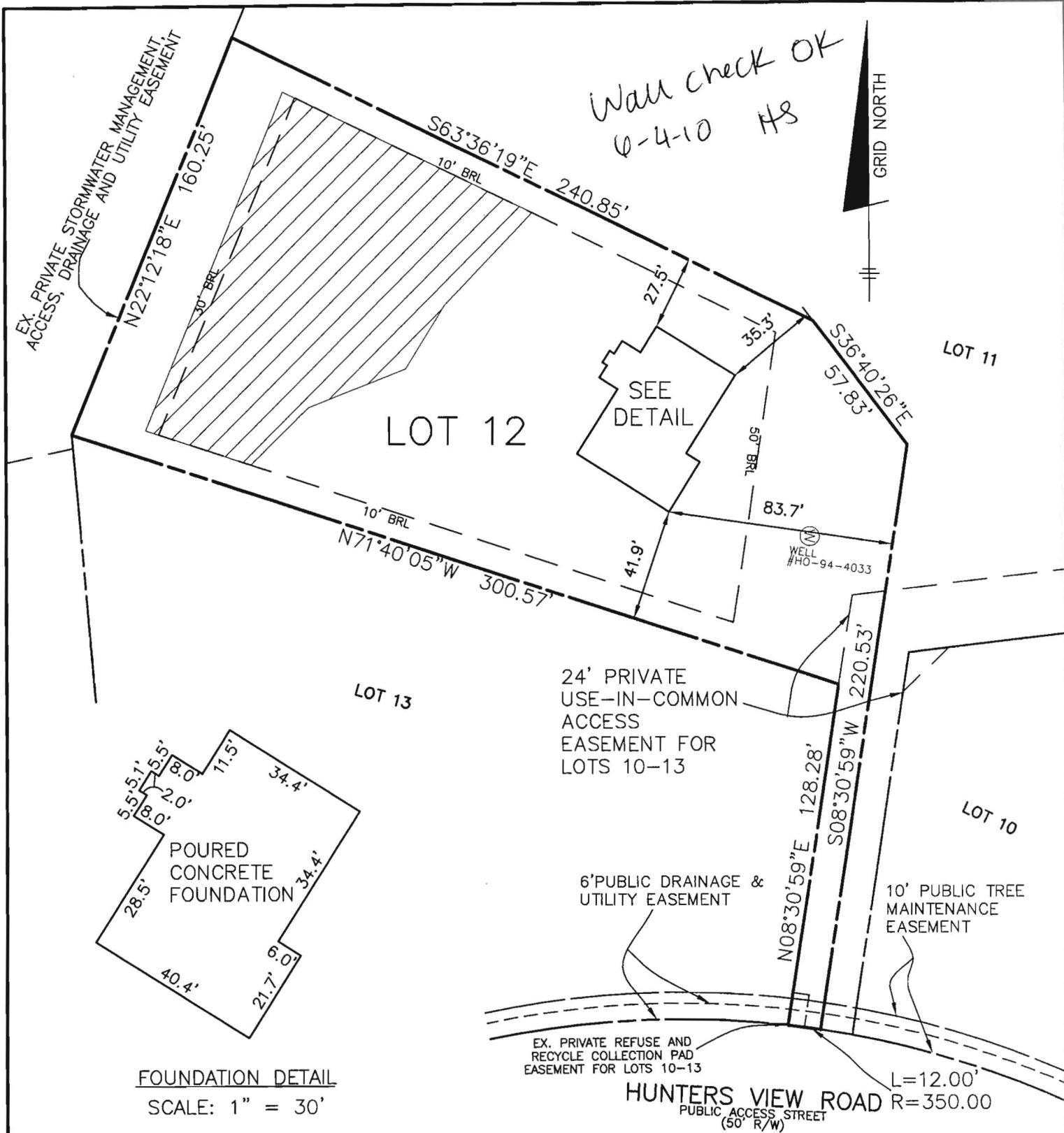
6/30/10 Contractor does not match what's on plan, set D box near top middle part of SEA, install 2x 55' trenches as pointed out in final running towards top right corner of SEA. 9" difference in contour elevation will be adjusted by keeping 6" level throughout trenches. (ie. highest part of trench will be 6" deeper, lowest end will be 6" shallower). Must use laser level! KW

INSTALLATION: 7/1/10 4" Gravity s.t. installed per approved SP plan. s.t. set as shown. D box set. Contractor had top trench complete. No laser on-site. Told contractor that second trench must be installed w/ laser. Had an expose bottom of drench @ end and start of trench to verify elevations. KW 7/2/2010 System finished. O.K. to backfill. KW

NOT TO SCALE

Microbiological Pond





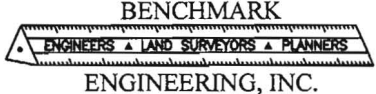
FOUNDATION DETAIL
SCALE: 1" = 30'

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING ON 05/27/10.

Donald A. Mason
DONALD A. MASON
PROFESSIONAL LAND SURVEYOR
MD REG. No. 21320
FOR BENCHMARK ENGINEERING
MD REG. No. 351

FEMA FIRM No. 240044 0027 B
ZONE: C
DATED: 12/04/86



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

TOP OF FOUNDATION WALL ELEVATION = 444.8'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

WALL CHECK
RIVERWOOD
PHASE 1
PLAT No. 18039
LOT No. 12

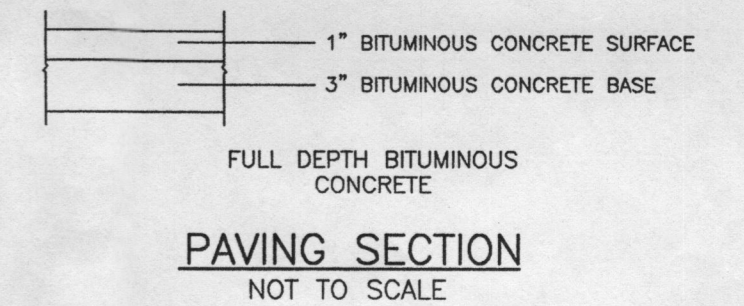
11058 HUNTERS VIEW ROAD
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: 05/27/10

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

GRID NORTH

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT No. 18039. 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 AND HAS BEEN FIELD VERIFIED BY J.A. RICE, INC., ON OR ABOUT SEPTEMBER 2002.
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-94-4033, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
12. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
13. STORMWATER MANAGEMENT WATER QUALITY FOR THIS LOT IS PROVIDED IN ACORDANCE WITH THE REPORT DATED MARCH, 2010 AND AS SHOWN ON THE SWM REPORT ASSOCIATED WITH THE PERMIT PLAN.
14. THE PURPOSE FOR THIS PERCOLATION CERTIFICATION PLAN IS TO RELOCATE THE WELL ENVELOPE IN ORDER TO FIT THIS PARTICULAR HOUSE AND GRADING.



LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- EXISTING APPROVED SEPTIC RESERVE AREA
- PROPOSED DRIVEWAY

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 EDD
 PLAN PREPARER
 JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

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

B. Nifon for Peter B. Silenson 5/7/2010
 COUNTY HEALTH OFFICER

Approved Septic System Plan
 Howard County Health Department
 Signature: *P. Board*
 Date: 5-10-10

BENCHMARK ENGINEERS • LAND SURVEYORS • PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE SUITE 418 • ELLICOTT CITY, MARYLAND 21043 (P) 410-465-8105 (F) 410-465-8844 60 THOMAS JOHNSON DRIVE • FREDERICK, MARYLAND 21702 (P) 301-371-3505 (F) 301-371-3508 WWW.BEI-CIVILENGINEERING.COM	
OWNER/BUILDER:	PROJECT:
CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929	RIVERWOOD LOT 12
LOCATION:	11058 HUNTERS VIEW ROAD ELLICOTT CITY, MD 21042 TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TITLE:	REVISED PERCOLATION CERTIFICATION PLAN
HOUSE TYPE:	GARRET - 90
DATE:	MARCH 17, 2010
PROJECT NO.	1950
DESIGN:	JMC
DRAFT:	HP
SCALE:	1" = 30'
DRAWING	1 OF 1

