

LAYOUT Not Done INSP 4 \_\_\_\_\_  
INSP 2 1/6/2011 INSP 5 \_\_\_\_\_  
INSP 3 1/7/2011 INSP 6 \_\_\_\_\_

ISSUE DATE: 12-16-10 **PERMIT-MICROFAST 0.75** P 5 33332

APPROVAL DATE: 3/7/2011 **SEPTIC SYSTEM** A \_\_\_\_\_

**TAX ID # 04-373006**

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

GPS Well-Yes

Hafeld's Equipment IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: P.O. Box 519 Annapolis Jct, MD 20701 PHONE NUMBER: 410-984-0047

SUBDIVISION Neshawat Property LOT 5

ADDRESS: 3326 Secretariat Way PROPERTY OWNER: Ryan Homes

MICROFAST 0.75 CAPACITY (GALLONS): \*see mfr **Top Seamed Two Compartment Tank**  
PUMP CHAMBER CAPACITY (GALLONS): specs  
N/A

LOCATION:	Install as shown.
NOTES:	Install BioMicrobics "fast unit" <u>0.50</u> per manufacturer's specifications. Ho. Co. Utilities must perform a final inspection of the grinder pump. 6" baffle tee must be installed on inlet of tank.

**Note: A start-up inspection of the grinder pump must be performed with the Howard County Bureau of Utilities.**

PLANS APPROVED: Heidi Scott DATE: 11/15/10

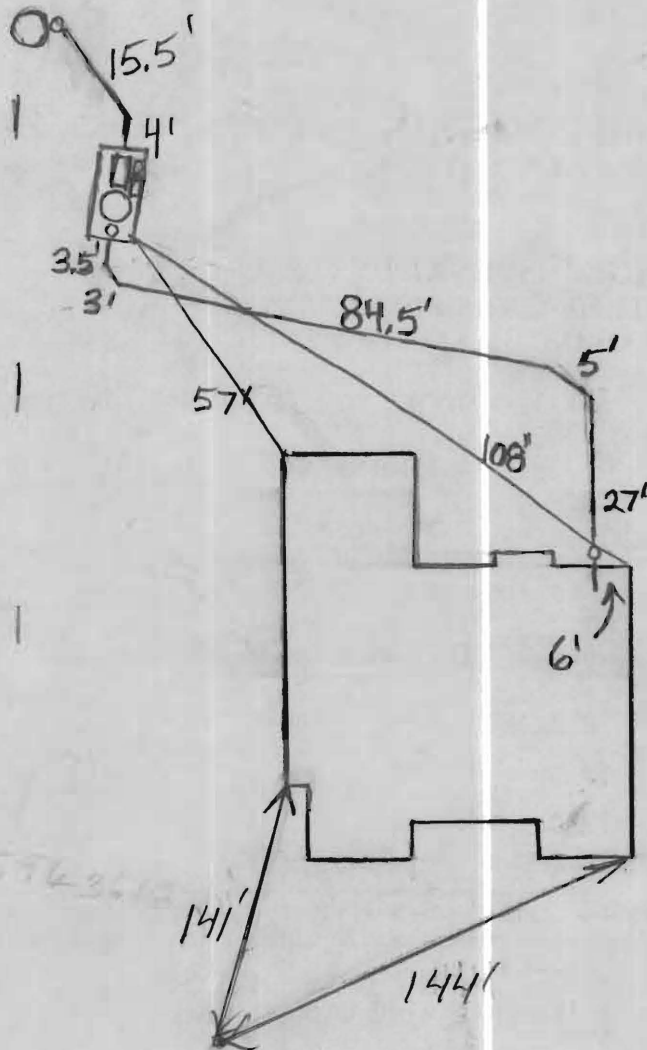
NOTES: PERMIT VOID AFTER 2 YEARS

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE

30



HO-95-1176

PRE-CONSTRUCTION:

INSTALLATION:

1/6/2011 Treatment unit set, House connection made.  
 Connection to grinder pump made. (BB) 1/7/2011 Aerator,  
 vent cleanout and aerator line installed. Need start-up  
 and approval from Treeview. (BB)

3/7/2011 Received approval from utilities. (BB)

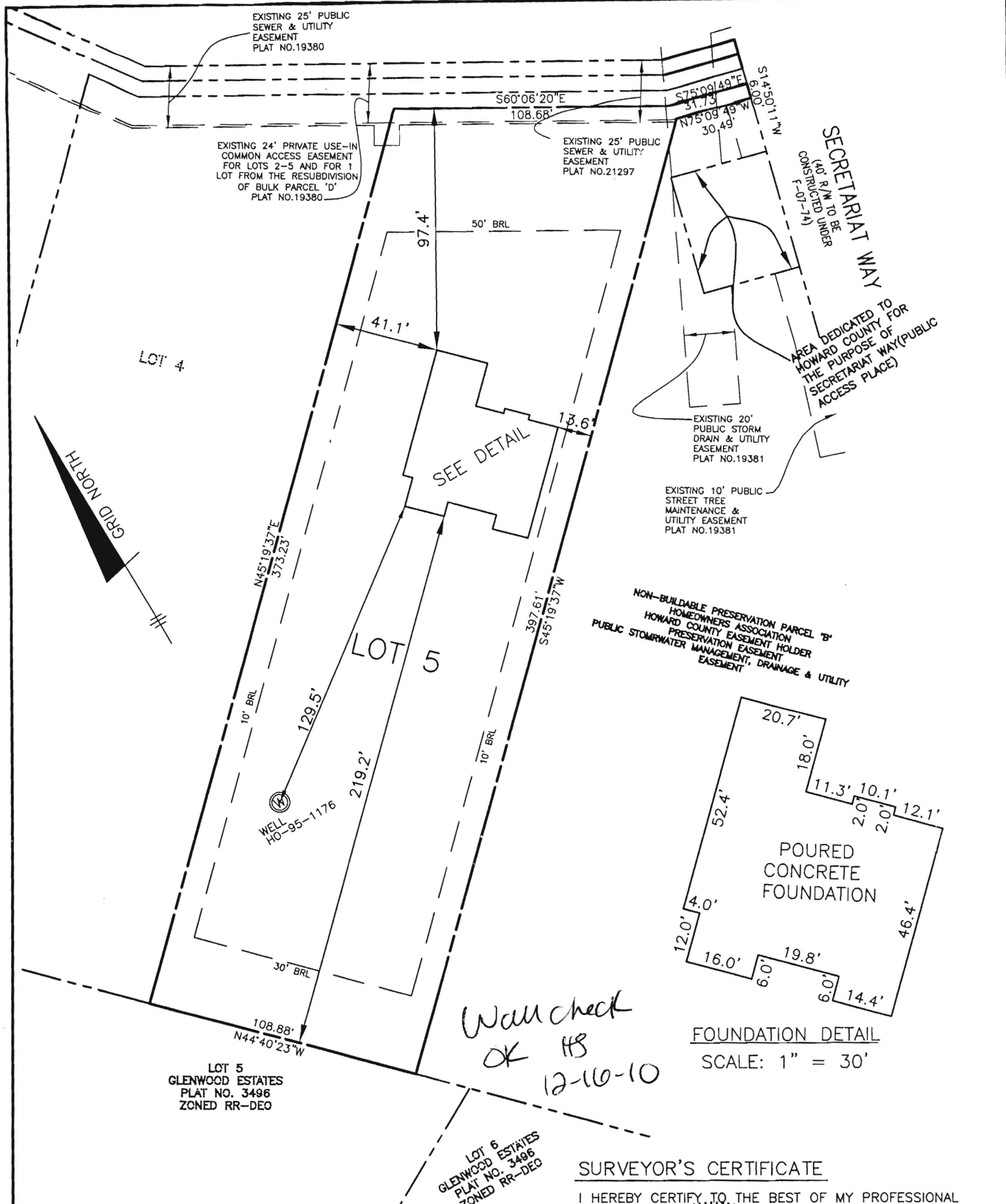
FINAL INSPECTOR B. Baker

DATE OF APPROVAL 3/7/2011

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
NUMBER OF TRENCHES		
TOTAL LENGTH		
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		
DISTRIBUTION BOX BAFFLE		
DISTRIBUTION BOX PORT		

NORWECO SINGLAIR TNT	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5'-2.5'
BAFFLES	Front + Middle
BAFFLE FILTER	No
MANHOLE LOC	Middle
6" PORT LOC	Front
WATERTIGHT TEST	No
BLOWER TEST	Yes
BLOWER ALARM TEST	Yes

PUMP TANK LEVEL	N/A
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
PUMP TEST	
PUMP ALARM TEST	



TOP OF FOUNDATION WALL ELEVATION = 576.4'  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

**WALL CHECK**  
**NESAWAT PROPERTY**  
**LOTS 1 THRU 5**  
**NON-BUILDABLE PRESERVATION PARCEL 'A'**  
**AND NON-BUILDABLE PARCEL 'D'**  
**PLAT NO. 21297**  
**LOT No. 5**  
**3326 SECRETARIAT WAY**  
 4th ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 50' DATE: 11/30/10

**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 11/30/10.

*Donald A. Mason* 12-3-10  
 DONALD A. MASON  
 PROFESSIONAL LAND SURVEYOR  
 MD REG. No. 21320  
 FOR BENCHMARK ENGINEERING, INC.  
 MD REG. No. 351  
 FEMA FIRM No. 240044 0020 B  
 ZONE: C  
 DATED: 12/04/86

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

8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MARYLAND 21043  
 (P) 410-445-8105 (F) 410-445-8844  
 80 THOMAS JOHNSON DRIVE • FREDERICK, MARYLAND 21702  
 (P) 301-371-3606 (F) 301-371-3608  
 WWW.BEI-CIVILENGINEERING.COM

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

*Permit Pad for*



# Freemire & Associates, Inc.

Manufacturers' Representative

## Bio-Microbics Start-Up & Product Registration

Owner	Neshawat Property	Installer	Hatfield	Consult Engineer	Jeff Renter
Owner's Name		Name (Person)		Phone #	
Lot #	5	Phone #	410-984-0047	Fax #	301-490-5794
Address (City, State & Zip)	3326 Secretariat Way Glenwood MD 21738	Address (City, State & Zip)	PO Box 519 Annapolis Junction 20701	Original Purchaser from Freemire	Hatfield Equip
County	Howard	Fax #		Order #	1100085

The Unit is installed per Manufacturers Instruction? ☐ Yes ☐ No ~~510-611-397021~~

Date of Inspection: 2/24/11 Date Shipped to User: \_\_\_\_\_ Serial #: MCF-5202403

In addition to proper installation, I have specifically verified that the following tasks are complete:

### ELECTRICAL PANEL(S)

- ☒ Proper voltage to electrical panel(s), mounted correct & secure
- ☐ Visual alarm operating
- ☐ Audio alarm operating (if present)

### BLOWERS

- ☒ Wired for correct voltage
- ☒ Inlet/Outlet piped correctly
- ☐ Filter element installed
- ☒ Blower hood secure
- ☒ Blower works correctly
- ☒ Blower located within 100 feet of treatment unit
- ☒ Air line clean
- ☒ Air inlet screen clear
- ☒ Blower hood vents clear

### TREATMENT UNIT(S)

- ☒ Clean outs to grade and accessible
- ☒ Air vent clear
- ☒ Septic tank is level & will drain properly
- ☒ Septic tank meets minimum size
- ☒ Septic tank filled to operating level with water
- ☒ Air lift operation
- ☒ Recirculation tube in place
- ☒ Fasteners tight

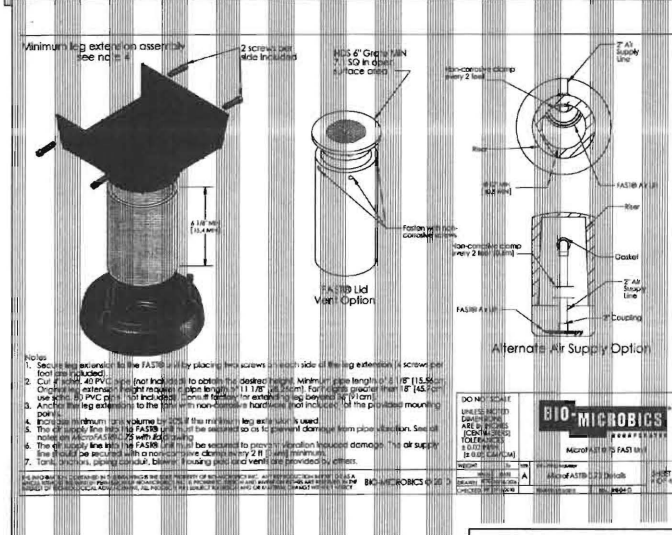
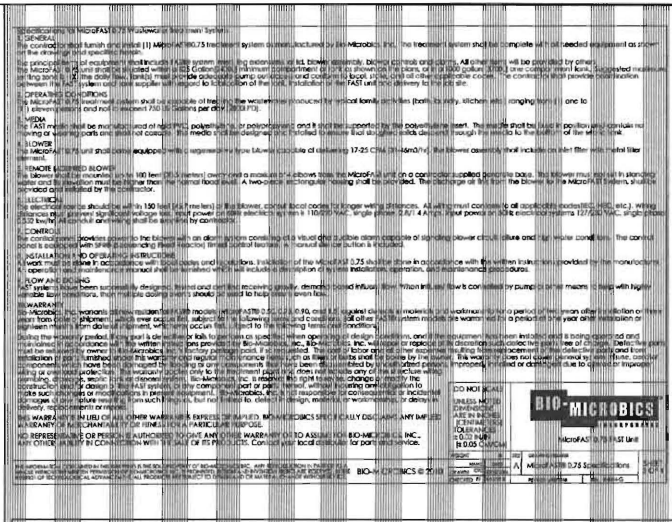
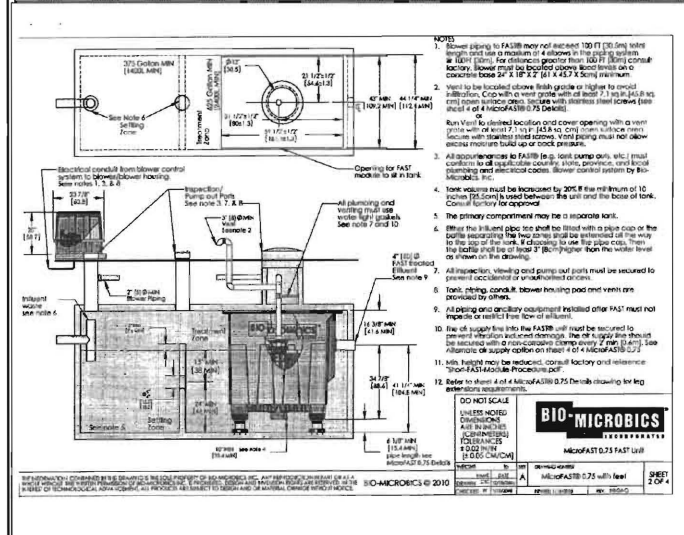
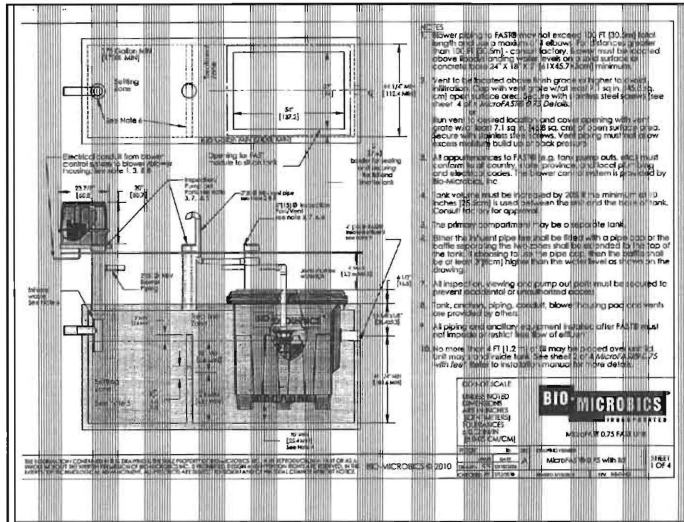
Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Start-Up Scheduled for: <u>2/24/11</u>	Restart Date: _____	Restart Paid: <input type="checkbox"/> Yes <input type="checkbox"/> No
Your Signature: <u>Mitchell Heinlein</u>	Title: _____	
Print Name: <u>Mitchell Heinlein</u>	Date: <u>2/24/11</u>	

SEND TO: ☐ MDE ☐ DNREC ☒ BIOMICROBICS

1215 Old Dorsey Road • Harmans MD 21077 • (410) 768-8500 • Fax: (410) 768-3400

*Handwritten signature: Pic-T*



# **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: bwi@bwi-engineering.com

<b>BUILDER:</b> RYAN HOMES INC. 6031 UNIVERSITY BLVD SUITE# 250 ELLICOTT CITY, MD 21043 410-796-0980	<b>PROJECT:</b> NESHAWAT PROPERTY LOT 5
<b>OWNER:</b> BURNTWOODS, L.L.C. P.O. BOX 417 ELLICOTT CITY, MD 21041-0417 410-465-4244	<b>LOCATION:</b> 3326 SECRETARIAT WAY GLENWOOD, MD 21738 TAX MAP 21 PARCEL 138 GRID 5 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND <b>TITLE:</b> PERMIT PLAN <b>HOUSE TYPE:</b> AVALON - B <b>DATE:</b> NOVEMBER, 2010 <b>PROJECT NO.</b> 1662-Ryan <b>SCALE:</b> 1" = 30' <b>DRAWING</b> 2 <b>OF</b> 2