

LAYOUT 2/13/09 BS INSP 4 _____
 INSP 2 2/17/09 KW INSP 5 _____
 INSP 3 2/18/09 KW INSP 6 _____

ISSUE DATE: 1/22/09

APPROVAL DATE: 4/3/09

PERMIT

*(Entered into
 2-1-09)*

P 530289

A 516 084

TAX ID # 03345238

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

Hatfields Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: P.O. Box 519 Annap Junction PHONE NUMBER: 301 854-6172

SUBDIVISION: Riverwood LOT NUMBER: 18

ADDRESS: 12056 Open Run Rd PROPERTY OWNER: Winchester Homes

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: 194 160'

*Inlet 4.0', Bottom 7.5'
 43) 55, 62' Trenches
 Trenches 2' Wide*

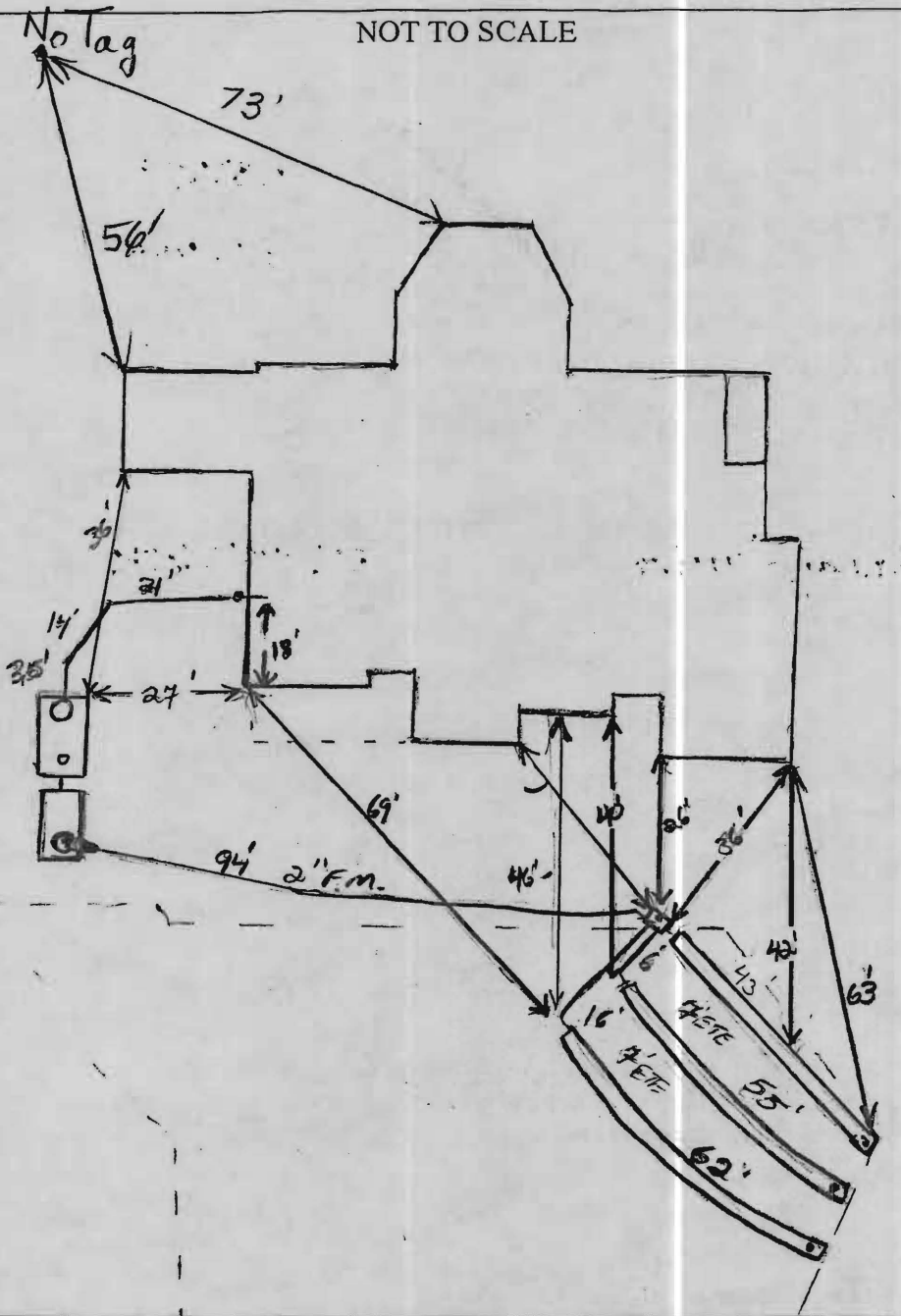
TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	
NOTES:	Layout required prior to septic installation. Gravel tickets must be available. Install system per plan unless directed by HCHD.

PLANS APPROVED: Sara Sappington DATE: 11/24/08

- 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 UNLESS SPECIFICALLY AUTHORIZED

**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
 CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
<u>2'</u>	<u>4'</u>	<u>7.5'</u>
NUMBER OF TRENCHES		<u>3</u>
TOTAL LENGTH		<u>160'</u>
ABSORPTION AREA		<u>320</u>
DISTRIBUTION BOX LEVEL		<u>Yes</u>
DISTRIBUTION BOX BAFFLE		<u>90° bend</u>
DISTRIBUTION BOX PORT		<u>Yes</u>

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
MANUFACTURER	<u>Babylon</u>
CAPACITY	<u>2000</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>---</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>---</u>
SLOTTED	<u>Yes</u>
PUMP/SEPTIC TANK LEVEL	<u>Yes</u>
MANUFACTURER	<u>Babylon</u>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>1.5'</u>
BAFFLES	<u>Front</u>
BAFFLE FILTER	<u>---</u>
MANHOLE LOC	<u>Rear</u>
6" PORT LOC	<u>none</u>
WATERTIGHT TEST	<u>---</u>
SLOTTED	<u>NO</u>

PRE-CONSTRUCTION
 2/13/09 Fill on upper part of easement. Remove fill before trench layout.

1. One scenario for trenches is shown on the B.P. plans. I gave permission to set

INSTALLATION

tanks as shown on plan. Keep tanks somewhat shallow. Fill will probably be added in area. Well tag lost by plumber (BB) 2/17/09. Takes set, 4" size installed. 2" F.M. being run. Layout: set D box near high water SDI, install on 44', 55, 62' trenches running close to contour. (KIN)

2/18/09 System installed as instructed. P/A test required before final approval of system (JAV) 4/3/09 P/A OK (BB)

FINAL INSPECTOR

(BB)

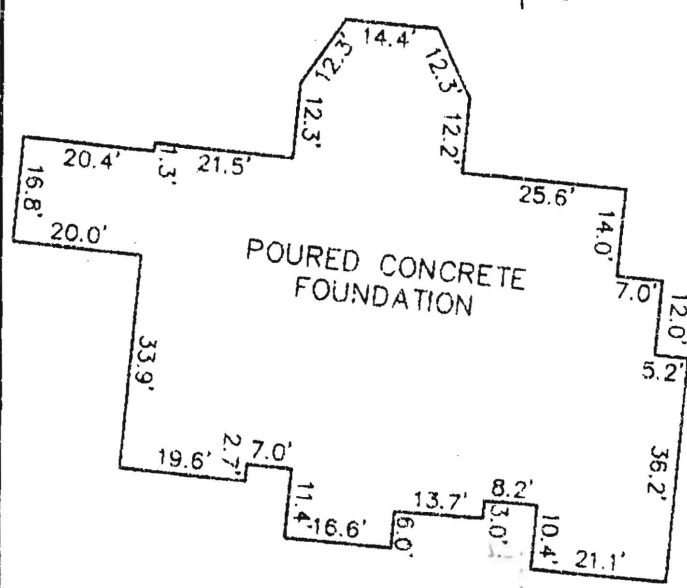
DATE OF APPROVAL

4/3/09

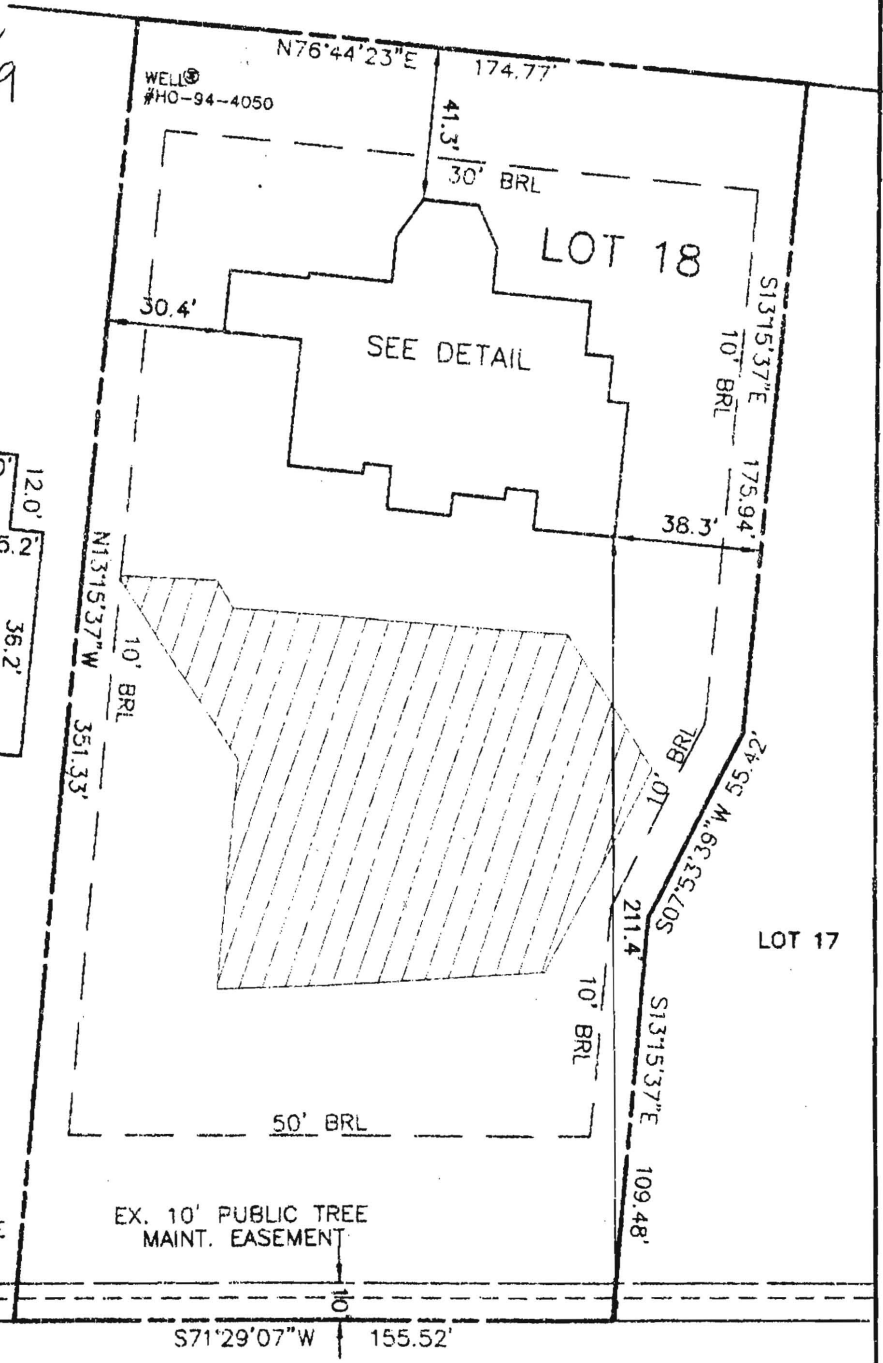
NON-BUILDABLE PRESERVATION PARCEL



Wall Check
OK
D Bernard
1-22-09



FOUNDATION DETAIL
SCALE: 1" = 30'



EX. 6' PUBLIC DRAINAGE & UTILITY EASEMENT

EX. 10' PUBLIC TREE MAINT. EASEMENT

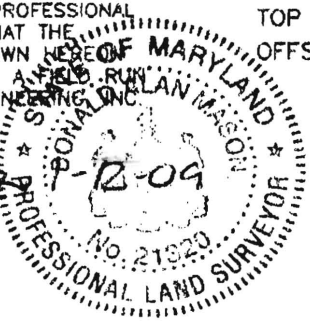
OPEN RUN ROAD
EX. PUBLIC ACCESS STREET
50' R/W

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 01/09/09.

TOP OF FOUNDATION WALL ELEVATION = 447.7'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.2'

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



WALL CHECK
RIVERWOOD
PHASE 1
PLAT No. 18038
LOT No. 18
12056 OPEN RUN ROAD

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
COMP. BY EWF
DRAWN BY EWF
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 01/09/09