

LAYOUT 4/29/11 INSP 4 \_\_\_\_\_  
 INSP 2 5/3/2011 INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: \_\_\_\_\_  
 APPROVAL DATE: 5/4/2011

# PERMIT

P 534510  
 A 516084

Tax ID # 03-351521

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

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: PO Box 519 Annapolis Junction 20701 PHONE NUMBER: 301 854 6172

SUBDIVISION: Riverwood II LOT NUMBER: 64

ADDRESS: 12027 Open Run 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: 0.8

SQUARE FOOTAGE OF HOUSE: Unkwn 2' 4' - 8.5' 42

LINEAR FEET OF TRENCH REQUIRED: 200' 150' ~84

TRENCHES:	<del>Trenches 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 4.0 feet below original grade with 2.0 feet of stone below distribution pipe.</del> <u>6.5'</u> <u>~84' lon.</u>
LOCATION:	
NOTES:	<b>Septic pump detail to be provided by installer prior to issuance of septic permit. Pump Performance test required prior to Health Department approval of pumped septic system. Do not order the septic tank until after layout inspection and Sanitarian approval. Stake 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.</b>

PLANS APPROVED: Dana Bernard DATE: 1/24/10

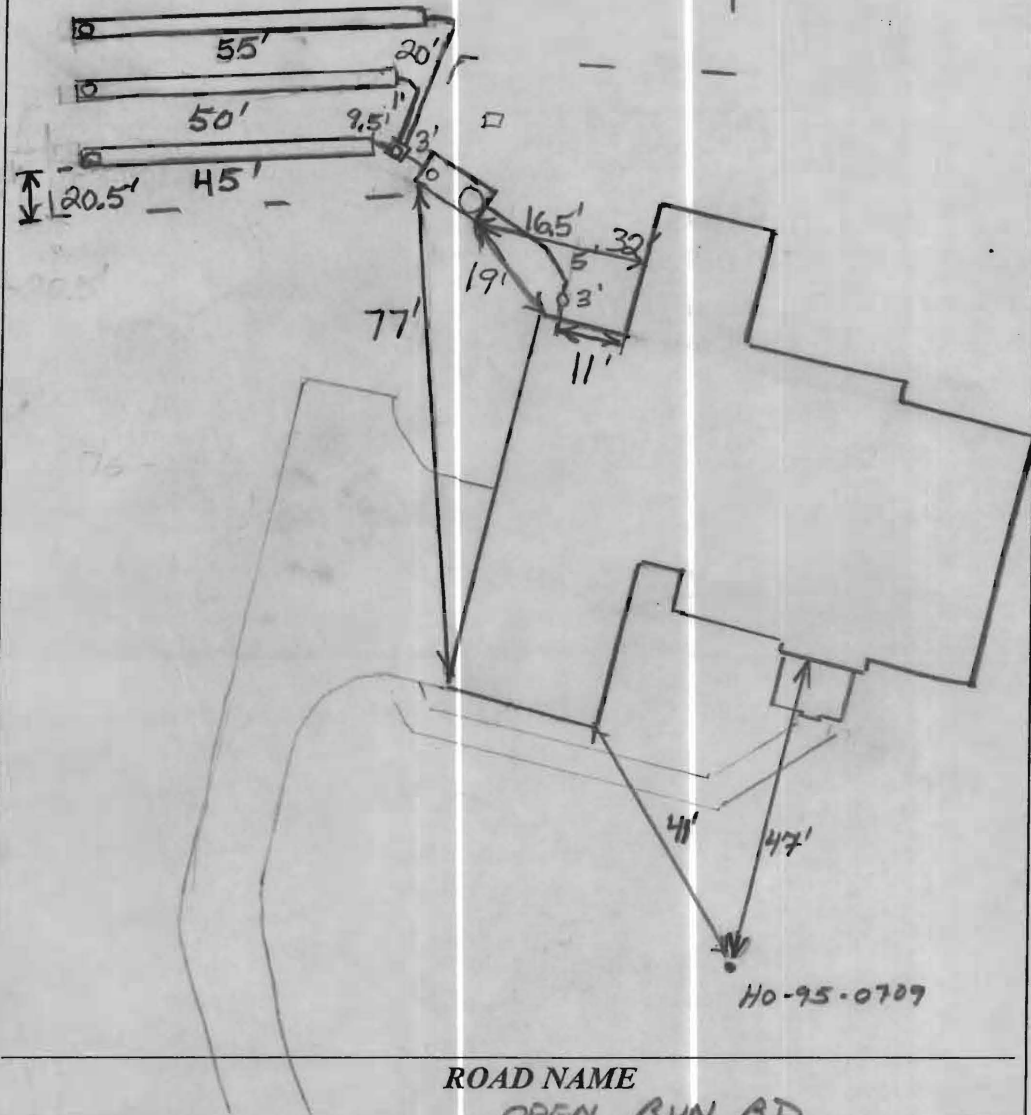
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND 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



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	4'	8.5'
NUMBER OF TRENCHES <u>3</u>		
TOTAL LENGTH <u>150'</u>		
ABSORPTION AREA <u>?</u>		
DISTRIBUTION BOX LEVEL <u>Levelers</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</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'-3'</u>
BAFFLES	<u>Yes</u>
BAFFLE FILTER	<u>No</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>No</u>
SLOTTED	<u>Yes</u>
DATE ON LID	<u>Dry</u>
RUMP/SEPTIC TANK LEVEL	<u>N/A</u>
MANUFACTURER	_____
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____
SLOTTED	_____
DATE ON LID	_____

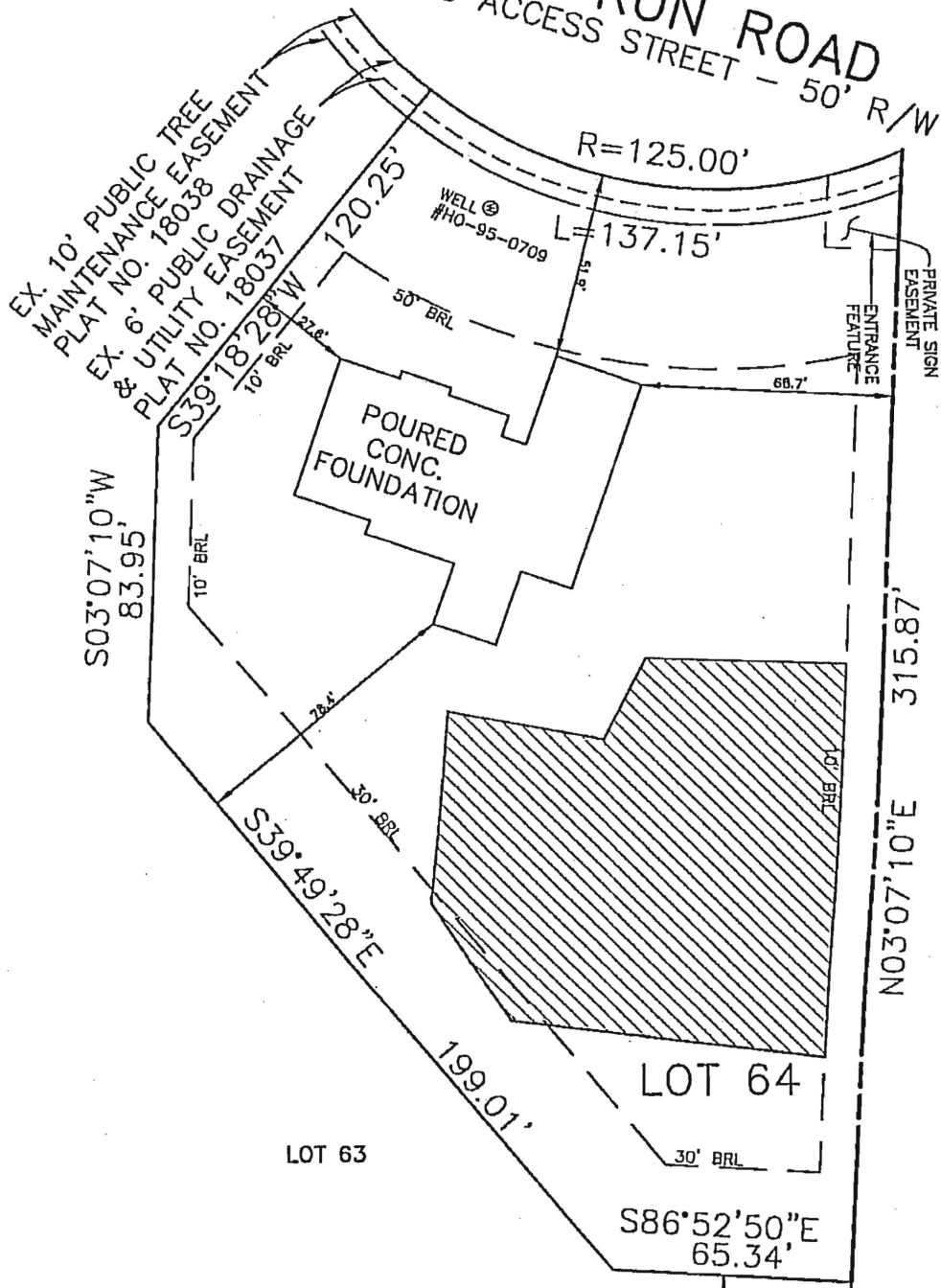
PRE-CONSTRUCTION:

4/29/11 Some fill exists on top part of septic area. Dig w/ shovel to original grade, shot contour. Install 3x trenches (42', 50', 55') or close to 150' as possible in top corner of SRA. OK to not tank into SRA some, call for f/v insp (kw)

INSTALLATION:

5/3/2011 Tank set. House connection made. Started on trenches. (BB)  
 5/4/2011 System finished. O.K. to backfill. (BB)

**OPEN RUN ROAD**  
PUBLIC ACCESS STREET - 50' R/W



Wall check OK  
3-17-11 H8

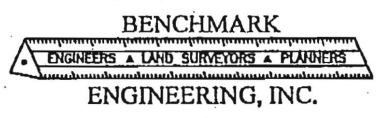
1" = 50'

TOP OF FOUNDATION WALL = 490.2'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

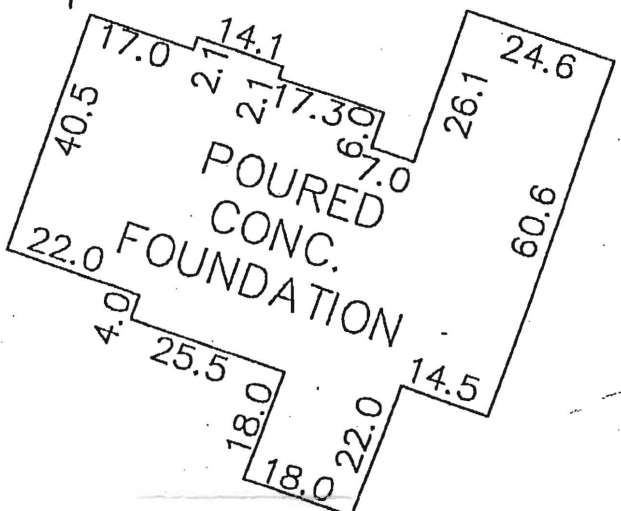
**SURVEYOR'S CERTIFICATE**

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 2/24/11.

*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



BENCHMARK ENGINEERING, INC.  
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
phone: 410-465-6105 ▲ fax: 410-465-6644  
www.bel-civilengineering.com



**FOUNDATION DETAIL**  
SCALE: 1" = 30'  
WALL CHECK

**RIVERWOOD - PHASE 2  
BLOCK  
PLAT No.19723  
LOT No.64**

12027 OPEN RUN ROAD

3RD ELECTION DISTRICT

FIELD OBS. BY DH /AS  
COMP. BY DAM  
HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 3-24-11