

LAYOUT 8/25/10 INSP 4 \_\_\_\_\_  
 INSP 2 9/7/10 INSP 5 \_\_\_\_\_  
 INSP 3 9/8/10 INSP 6 \_\_\_\_\_

ISSUE DATE: 8/9/10  
 APPROVAL DATE: 9/23/2010

# PERMIT

P 533957  
 A 520414

Tax ID # 03-351475

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

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: \_\_\_\_\_ PHONE NUMBER: 301.851.6772

SUBDIVISION: Riverwood LOT NUMBER: 59

ADDRESS: 12057 Open Run Road PROPERTY OWNER: Winchester Homes

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 <sup>reb 8/9/10</sup> COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 0.8

SQUARE FOOTAGE OF HOUSE: Unkwn 65' → 4'-6"

LINEAR FEET OF TRENCH REQUIRED: 207.5 186' 49' → 4'-6"  
72' → 4.5'-6.5"

TRENCHES:	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.
LOCATION:	Set septic tank per layout inspection. Set distribution box at the highest point of septic easement per layout inspection. Install 207.5 feet of trench on contour per layout inspection.
NOTES:	<b>Do not</b> 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.

PLANS APPROVED: Dana Bernard DATE: 6/21/10

- 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 As-Built  
Drawing On  
Separate Sheet

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	4'-6'	6'-8'
NUMBER OF TRENCHES		3
TOTAL LENGTH		185'
ABSORPTION AREA		555+Sidewall
DISTRIBUTION BOX LEVEL		Yes
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	0.5'-1.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	No
SLOTTED	Yes
PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5'-2.5'
BAFFLES	Front
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	No

**PRE-CONSTRUCTION**

8/25/2010 Trenches  
Laid out. Contour  
in most of lower  
part of easement  
has changed because

of grading. Place the distribution box near the top center  
of the easement and install a 49' and 72' trench towards  
INSTALLATION: Open Run Road. Install a 65' trench in the opposite  
direction. Did a layout for tanks but found out that  
builder had mould house connection. (BB) 9/7/2010 Need  
house connection. Tanks set. Pump line installed. Southern  
65' trench finished. (BB) 9/8/2010 Trenches finished. Need house  
connection. Need pump and alarm test (BB) 9/23/2010 Pump  
and alarm working (BB)

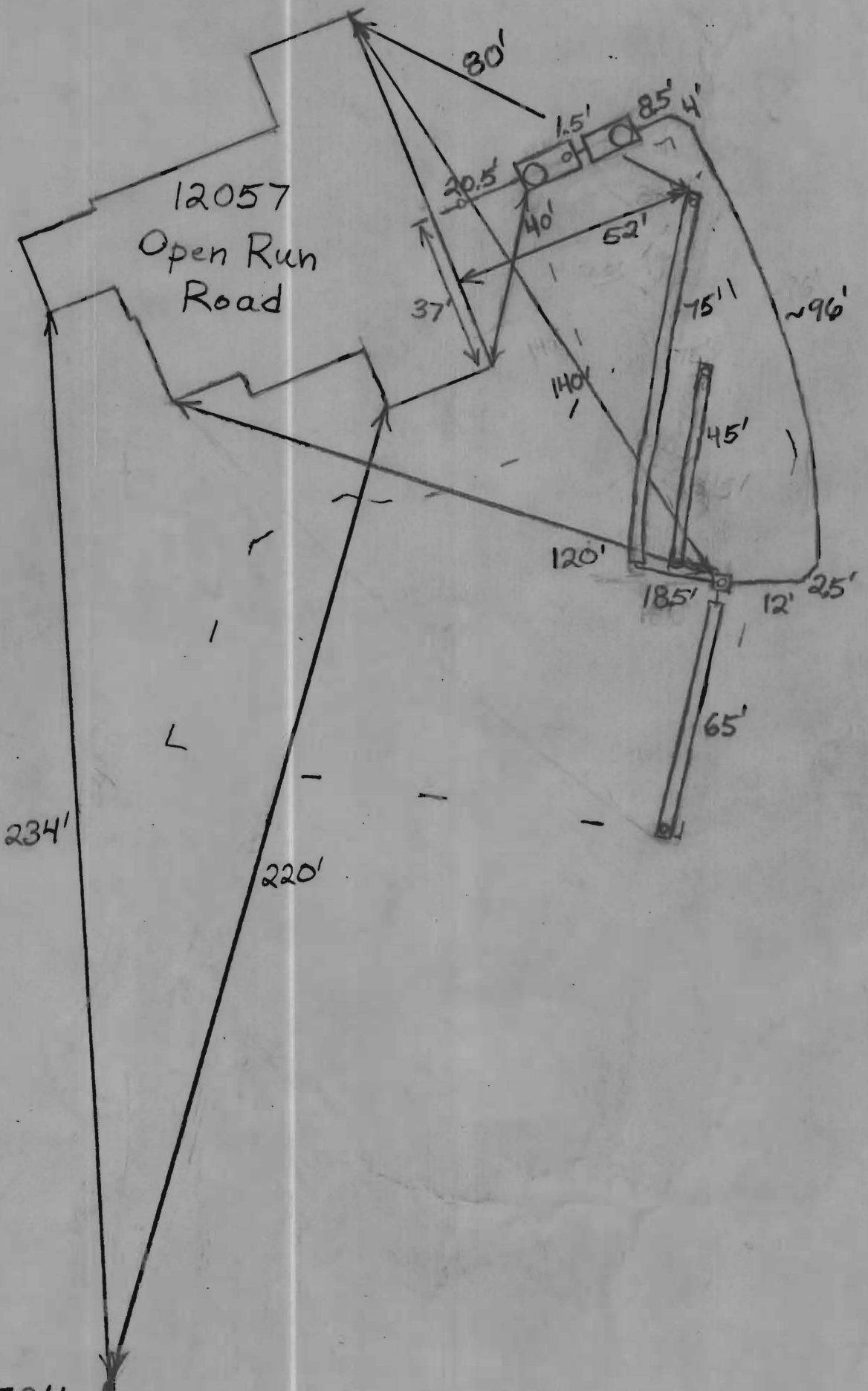
FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

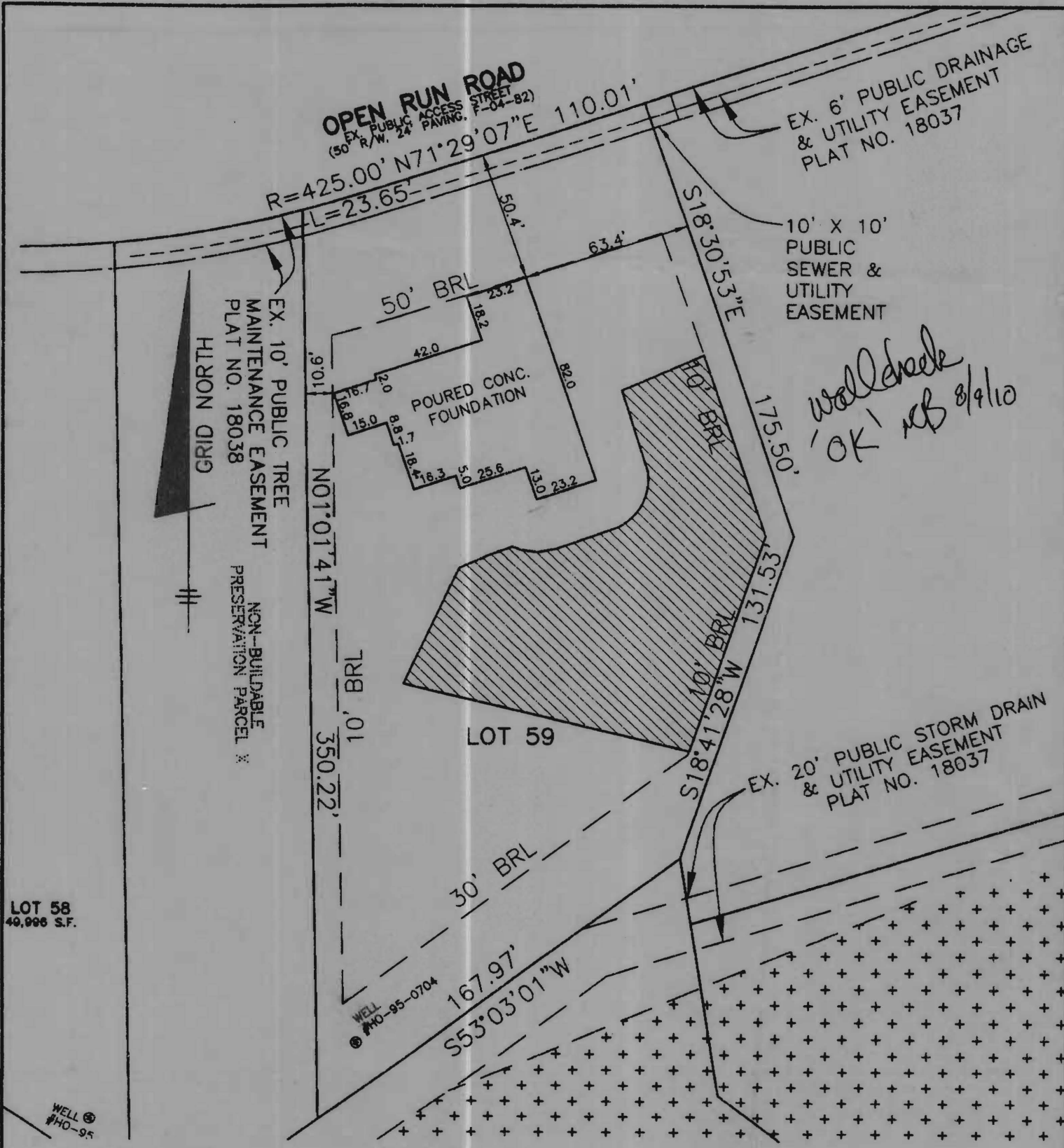
9/23/2010

1" ~ 30'



NOT TO SCALE

H0-95-0704



TOP OF FOUNDATION WALL = 429.7  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE  $\pm 0.2'$

**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 7-28-10.

  
 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 A SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 phone: 410-465-6105 A fax: 410-465-6644  
 www.bel-civilengineering.com

WALL CHECK  
 RIVERWOOD - PHASE 2  
 PLAT No. 19723  
 LOT No. 59

12057 OPEN RUN ROAD

3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 7-28-10

FIELD OBS. BY  
 COMP. BY  
 DRAWN BY