

LAYOUT 8/12/09 INSP 4 _____
 INSP 2 8/13/09 INSP 5 _____
 INSP 3 8/14/09 INSP 6 _____

ISSUE DATE: _____

PERMIT

P 531088

APPROVAL DATE: 12/1/09

A 516084

TAX ID # 03345424

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

Hatfields Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: Annapolis Junction MD PHONE NUMBER: 301.854.6172

SUBDIVISION: RIVERWOOD LOT NUMBER: 36

ADDRESS: 11230 KINSALE CT PROPERTY OWNER: WINCHESTER HOMES

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 *Trenches 2' Wide*

SQUARE FEET PER BEDROOM: _____ *Inlet 5', Bottom 9'*

LINEAR FEET OF TRENCH REQUIRED: 128 150' *1 x 50' Trenches*

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Set distribution box at top center of septic easement. Install 2x40' trenches on contour to northeast and 1x40' trench on contour to southwest. Set septic tank 20 to 25' feet from foundation corner.
NOTES:	Stake septic easement corners (by licensed surveyor) and mark south property line. Mark utilities. Call for Layout Inspection. Gravel tickets must be available for Environmental Sanitarians.

PLANS APPROVED: ROBERT BRICKER DATE: 1/21/09

- 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

See As-Built Drawing
On Separate Sheet

ROAD

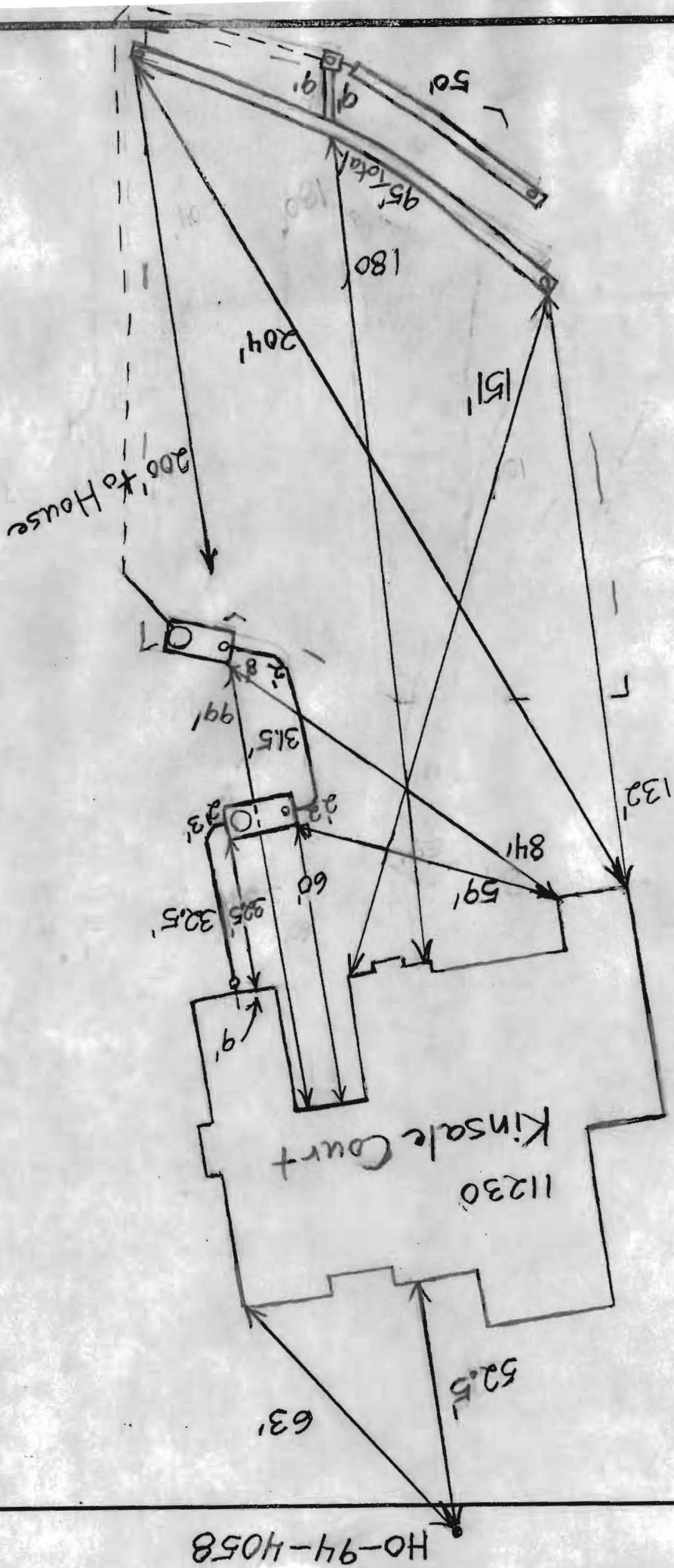
TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	5'	9'
NUMBER OF TRENCHES		3
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		yes

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL		Yes
CAPACITY	2000	GAL
SEAM LOC	Top	
TANK LID DEPTH	0.5-2'	
BAFFLES	Yes	
BAFFLE FILTER	No	
MANHOLE LOC	Front	
6" PORT LOC	Rear	
WATERTIGHT TEST	No	
SEPTIC TANK 2 LEVEL		Yes
CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	1-2.5'	
BAFFLES	Front	
BAFFLE FILTER	No	
MANHOLE LOC	Rear	
6" PORT LOC	Front	
WATERTIGHT TEST	No	

PRE-CONSTRUCTION 8/12/09 Set box near top middle of easement.
 Install a 50' trench towards lot 35. Then install a
 INSTALLATION contiguous 93' trench below it. Set one tank
 on each side of swale at area of house connection. (PB)
 8/13/09 Tanks set, House connection made. (PB) 8/14/09 System
 finished except for pump and alarm test. (PB)
 12/1/09 Pump & Alarm test performed. System working.
 looks good.

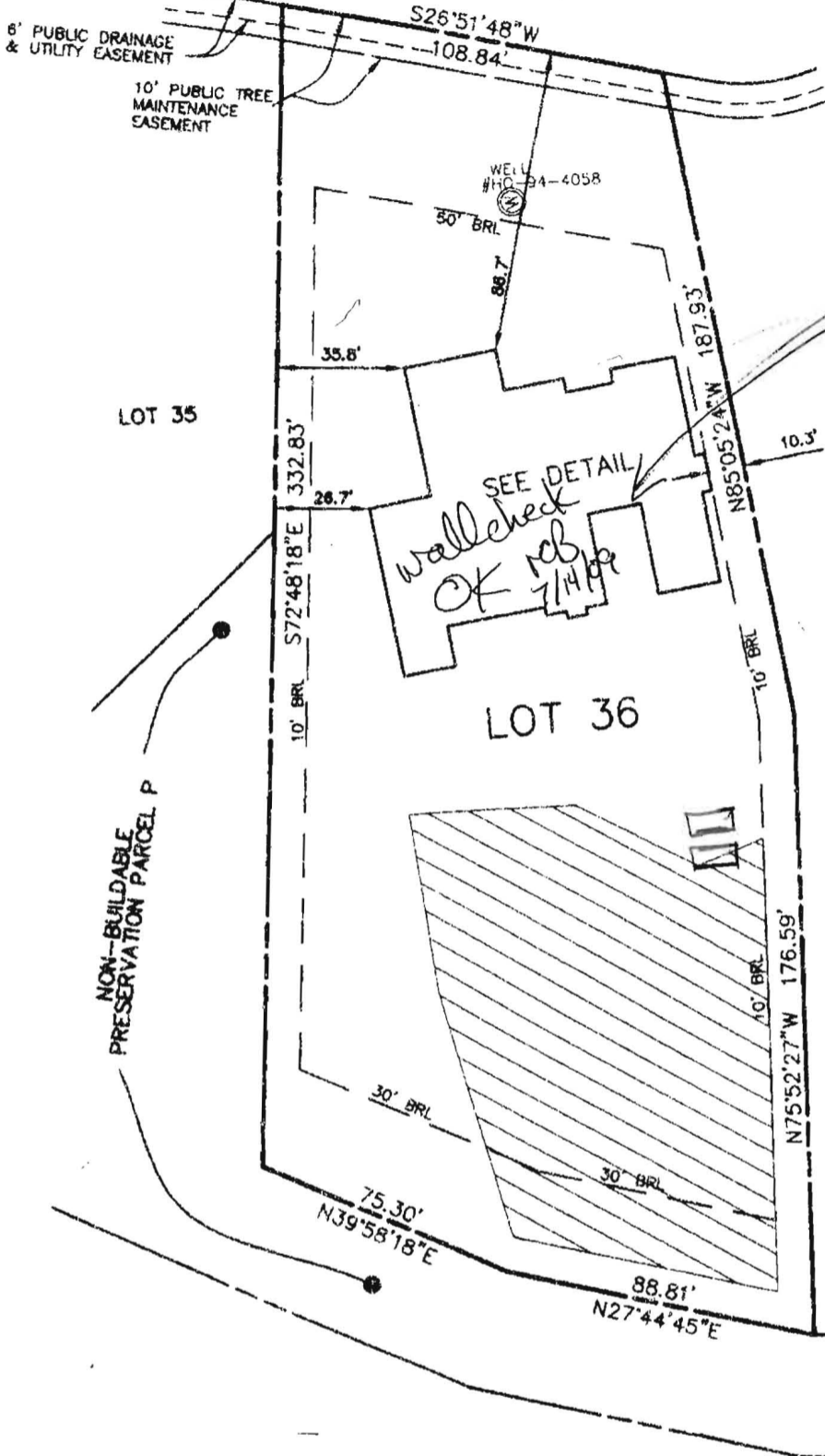
FINAL INSPECTOR J. Wolf DATE OF APPROVAL 12/1/09

NOT TO SCALE



HO-94-4058

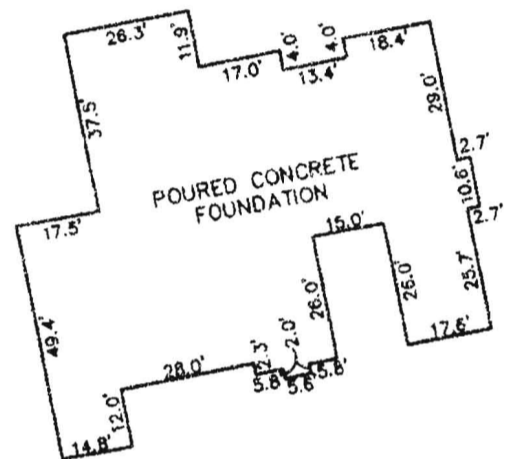
KINSALE COURT
PUBLIC ACCESS STREET
(40' R/W)



GRID NORTH

House Footprint differs from Preston design presented on Plot Plan LOT 37

location is approximately same as planned RUB 7/14/09



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 HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 07/01/09.

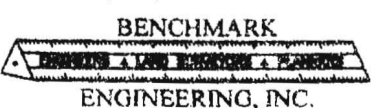
TOP OF FOUNDATION WALL ELEVATION = 392.4'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

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

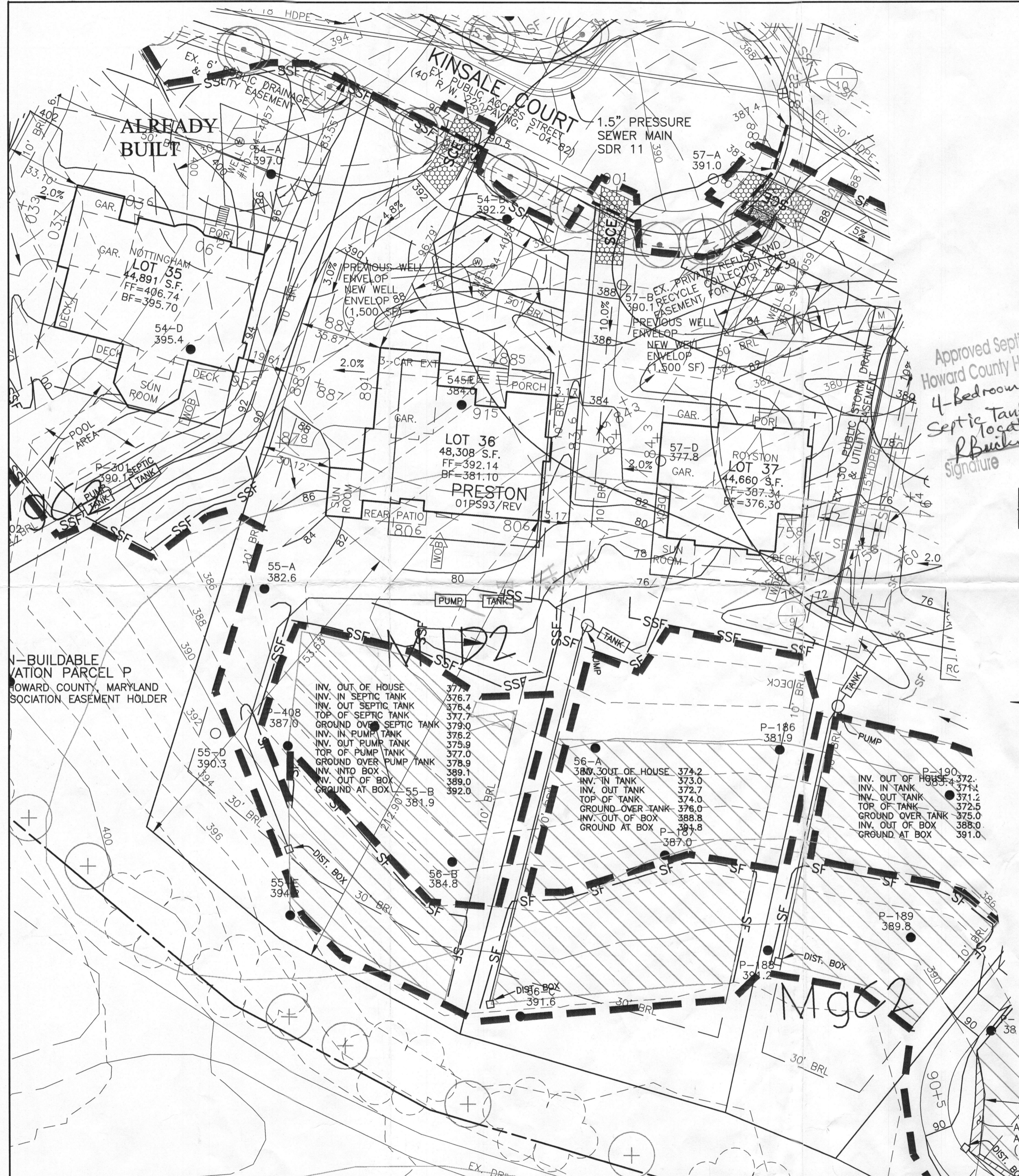
WALL CHECK
RIVERWOOD
PHASE 1
PLAT No. 18033
LOT No. 36
11230 KINSALE COURT
3RD ELECTION DISTRICT



8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELLCOTT 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

HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 07/01/09



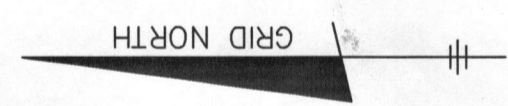
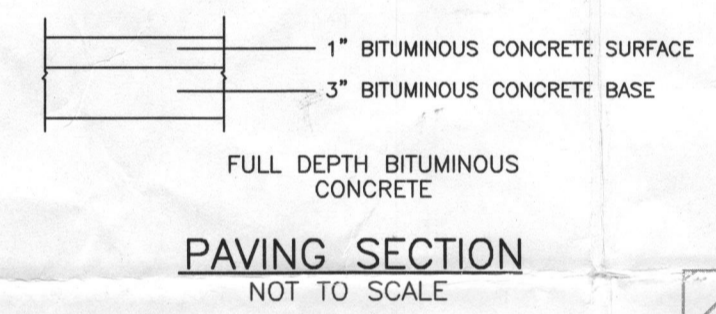
NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT No. 18033. 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.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE 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-94-4058, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

Approved Septic System Plan
 Howard County Health Department
 4-bedroom SFD approved as shown
 Septic Tank & Pump Tank cannot be
 located in swale.
R. Buckler
 Signature
 1/21/2009
 Date

LEGEND

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



N-BUILDABLE VATION PARCEL P
 HOWARD COUNTY, MARYLAND
 SOCIATION EASEMENT HOLDER

INV. OUT OF HOUSE	377.7
INV. IN SEPTIC TANK	376.7
INV. OUT SEPTIC TANK	376.4
TOP OF SEPTIC TANK	377.7
GROUND OVER SEPTIC TANK	379.0
INV. IN PUMP TANK	376.2
INV. OUT PUMP TANK	375.9
TOP OF PUMP TANK	377.0
GROUND OVER PUMP TANK	378.9
INV. INTO BOX	389.1
INV. OUT OF BOX	389.0
GROUND AT BOX	392.0
55-D	390.3
55-A	382.6
56-A	380.3
380.3	OUT OF HOUSE
374.2	INV. IN TANK
373.0	INV. OUT TANK
372.7	TOP OF TANK
374.0	GROUND OVER TANK
376.0	INV. OUT OF BOX
388.8	GROUND AT BOX
387.0	GROUND AT BOX
387.0	GROUND AT BOX
381.9	GROUND AT BOX
372.2	INV. OUT OF HOUSE
371.2	INV. IN TANK
371.2	INV. OUT TANK
372.5	TOP OF TANK
375.0	GROUND OVER TANK
388.0	INV. OUT OF BOX
391.0	GROUND AT BOX

NO.	DATE	REVISION

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: benchmark@cais.com

OWNER/BUILDER: CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929	PROJECT: RIVERWOOD LOT 36
LOCATION: 11230 KINSALE COURT ELLICOTT CITY, MD 21042 TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	TITLE: PERMIT PLAN
HOUSE TYPE: PRESTON	DATE: DECEMBER, 2008 JANUARY, 2009
DESIGN: JMC	DRAFT: JMC
SCALE: 1" = 30'	PROJECT NO. 1950 DRAWING 1 OF 1