

LAYOUT 4-28-08 INSP 4 _____
 INSP 2 4/25/08 INSP 5 _____
 INSP 3 4/28/08 INSP 6 _____

ISSUE DATE: 1/28/2008

P 528463

APPROVAL DATE: 5/19/08

A 516084

PERMIT
Logged Into Permit Manager
 TAX ID # 03345416

**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 Jundtion PHONE NUMBER: _____

SUBDIVISION: Riverwood LOT NUMBER: 35

ADDRESS: 11226 Kinsale Court 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

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: 142.5

*Inlet 4'
 Bottom 7.5'
 60' and 90' Trenches*

| | |
|-----------|---|
| TRENCHES: | Trench to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 4.0 feet of stone below distribution pipe. |
| LOCATION: | |
| NOTES: | Install system per plan (unless otherwise directed by HCHD) Layout inspection required prior to installation. |

PLANS APPROVED: Heidi Scott & Sara Fegel DATE: 8/17/07

- 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

TRENCH/DRAINFIELD DATA

| WIDTH | INLET | BOTTOM |
|-------------------------|--------|-----------|
| 2' | 3.5-4' | 4.5' |
| NUMBER OF TRENCHES | | 2 |
| TOTAL LENGTH | | 150' |
| ABSORPTION AREA | | 300' x 5' |
| DISTRIBUTION BOX LEVEL | | Yes |
| DISTRIBUTION BOX BAFFLE | | 45° bend |
| DISTRIBUTION BOX PORT | | Yes |

SEPTIC TANK DATA

| | |
|-------------------------|----------|
| SEPTIC TANK 1 LEVEL | Yes |
| CAPACITY | 2000 GAL |
| SEAM LOC | Top |
| TANK LID DEPTH | 3' |
| BAFFLES | Yes |
| BAFFLE FILTER | — |
| MANHOLE LOC | Front |
| 6" PORT LOC | Rear |
| WATERTIGHT TEST | — |
| Babylon 2 comp slotted. | |
| SEPTIC TANK 2 LEVEL | Yes |
| CAPACITY | 1500 GAL |
| SEAM LOC | Top |
| TANK LID DEPTH | 3' |
| BAFFLES | Front |
| BAFFLE FILTER | — |
| MANHOLE LOC | Rear |
| 6" PORT LOC | None |
| WATERTIGHT TEST | — |
| Babylon | |

PRE-CONSTRUCTION

4/23/08 Contractor to set out tanks ~100' straight out from far end bump out of house. Set D box @ highest part of

ROAD

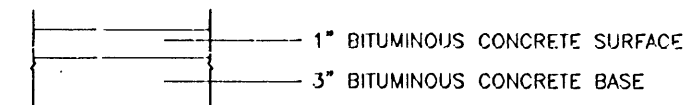
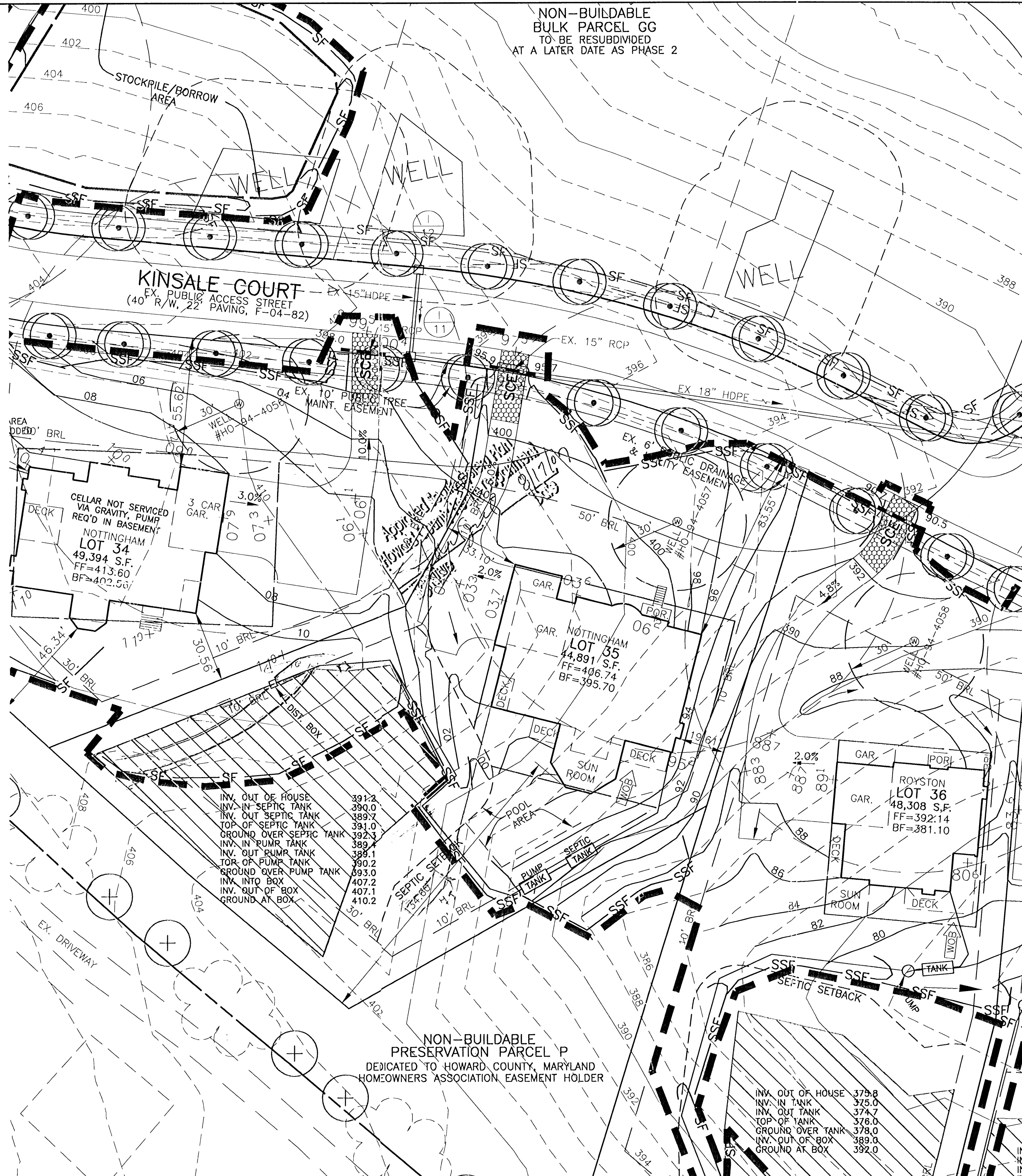
SDA @ start of first trench. Install a 60' and 90' tanks in contact. (KW) 4/25 Tanks set. Plumbing from house to D box installed. F.M. installed to D box. O.K. to backfill (KW) 4/28/08 System complete. Need pump and alarm test for final. (KW) 5/19/08 Pump and alarm working. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 5/19/08

NON-BUILDABLE
BULK PARCEL GG
TO BE RESUBDIVIDED
AT A LATER DATE AS PHASE 2

NOTES:

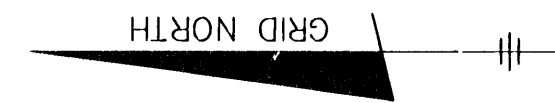
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT No. 18034. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE 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 TO 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-94-4057, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.



FULL DEPTH BITUMINOUS CONCRETE

PAVING SECTION
NOT TO SCALE

4.5'
4'



| 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: benchmk@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 35 | |
| LOCATION: 11226 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: NOTTINGHAM 01NM99 | | DATE: JULY 12, 2007 | PROJECT NO. 1950 |
| DESIGN: JMC | DRAFT: JMC | SCALE: 1" = 30' | DRAWING 1 OF 1 |

INV. OUT OF HOUSE 391.2
INV. IN SEPTIC TANK 390.0
INV. OUT SEPTIC TANK 389.7
TOP OF SEPTIC TANK 391.0
GROUND OVER SEPTIC TANK 392.3
INV. IN PUMP TANK 389.1
INV. OUT PUMP TANK 388.1
TOP OF PUMP TANK 390.2
GROUND OVER PUMP TANK 393.0
INV. INTO BOX 407.2
INV. OUT OF BOX 407.1
GROUND AT BOX 410.2

INV. OUT OF HOUSE 375.8
INV. IN TANK 375.0
INV. OUT TANK 374.7
TOP OF TANK 376.0
GROUND OVER TANK 378.0
INV. OUT OF BOX 389.0
GROUND AT BOX 392.0

NON-BUILDABLE
PRESERVATION PARCEL P
DEDICATED TO HOWARD COUNTY, MARYLAND
HOMEOWNERS ASSOCIATION EASEMENT HOLDER

CELLAR NOT SERVICED
VIA GRAVITY, PUMP
REQ'D IN BASEMENT
NOTTINGHAM
LOT 34
49,394 S.F.
FF=413.60
BF=402.56

NOTTINGHAM
LOT 35
44,891 S.F.
FF=406.74
BF=395.70

ROYSTON
LOT 36
48,308 S.F.
FF=392.14
BF=381.10

KINSALE COURT
EX. PUBLIC ACCESS STREET
40' R/W

EX. 10' PUBLIC TREE
MAINT. EASEMENT

EX. 6' PUBLIC DRAINAGE
& UTILITY EASEMENT

GRID NORTH

*Wall check OK
reb 11/28/2008*

LOT 34

LOT 35

LOT 36

SEE
DETAIL

NON-BUILDABLE
PRESERVATION PARCEL P
PRIVATELY OWNED BY HOWARD COUNTY, MARYLAND
AND HOMEOWNERS ASSOCIATION EASEMENT HOLDERS.

POURED
CONCRETE
FOUNDATION

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 RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 01/16/08.

Stephan Jalon 1/17/08

STEPHAN JALON
PROFESSIONAL LAND SURVEYOR
MD REG. No. 10726
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
FEMA FIRM No. 240044 0027 B
ZONE: C
DATED: 12/04/86



BENCHMARK
ENGINEERING, INC.
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www.bei-civilengineering.com

TOP OF FOUNDATION WALL ELEVATION = 405.7'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.2'

WALL CHECK
RIVERWOOD
PHASE 1
PLAT No. 18034
LOT No. 35

11226 KINSALE COURT

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FIELD OBS. BY KLD
COMP. BY EWF
DRAWN BY EWF SCALE: 1" = 50' DATE: 01/16/08