

LAYOUT 10/10/07 INSP 4 _____
INSP 2 10/18/07 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 9/10/2007

P 527335

APPROVAL DATE: 10/19/07

A 516084

PERMIT

Logged Into Permit Manager
TAX ID # 03345041

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 PHONE NUMBER: 301-490-4289

SUBDIVISION: Riverwood LOT NUMBER: 2

ADDRESS: 4830 Castlebridge Rd PROPERTY OWNER: Winchester Homes

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

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: 214

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 directed by HCHD. Layout inspection prior to installation.

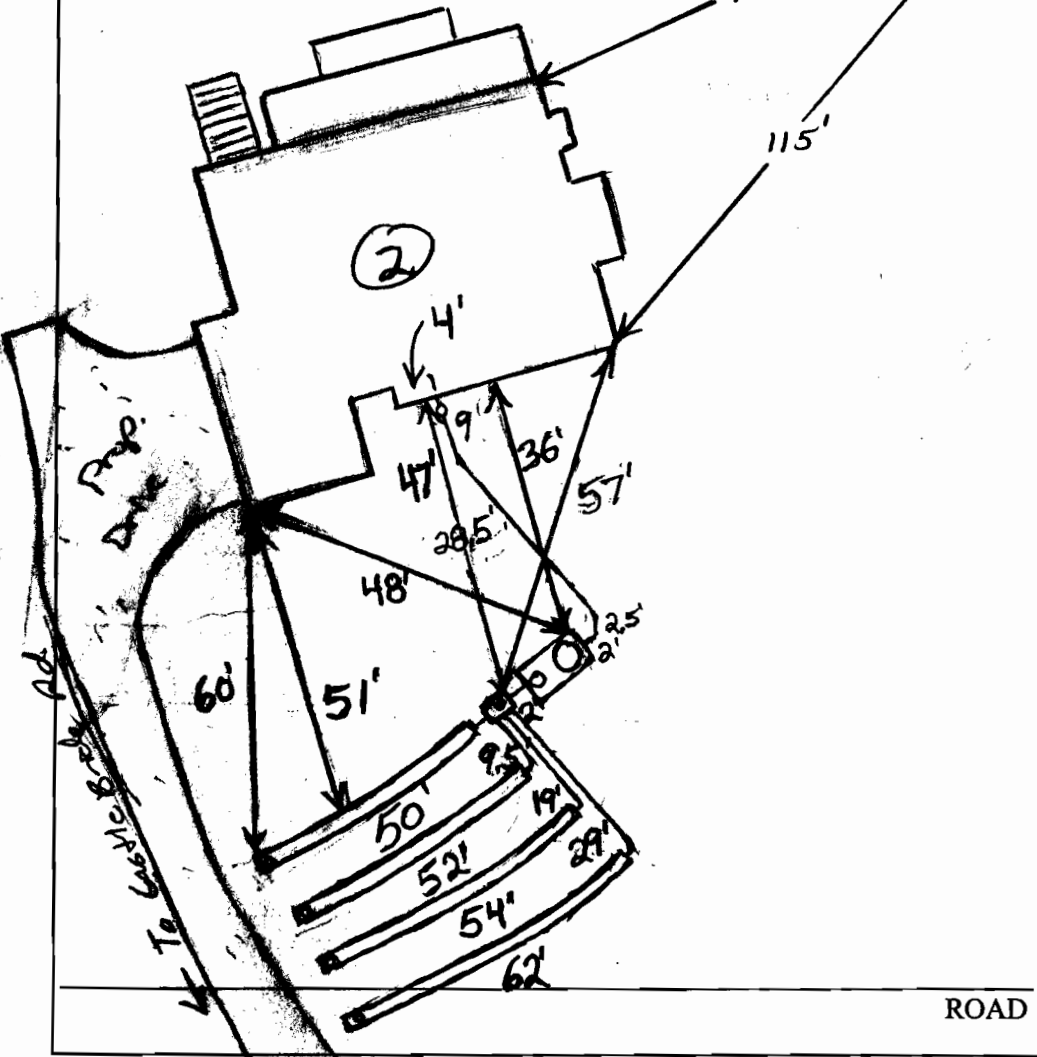
PLANS APPROVED: Sara Fegel DATE: 7/13/07

- 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

HO-95-4003



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	3'	7'
NUMBER OF TRENCHES		4
TOTAL LENGTH		218'
ABSORPTION AREA		436
DISTRIBUTION BOX LEVEL		Levelers
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	2'-3'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

PRE-CONSTRUCTION 10/10/07 Contractor to install 4 trenches 2' wide, 9' Edge-to-Edge installing 215' D box set @ top
 INSTALLATION center corner stake of SPA Run trenches towards proposed door (Red) 10/18/07 Tank and house connection installed. Bottom 2 trenches done (BB) 10/19/07 System finished, O.K. to backfill (BB)

FINAL INSPECTOR B. Baper

DATE OF APPROVAL 10/19/07

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON 2-16-08 AS PLAT NUMBER 18035. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.

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. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.

3. THE EXISTING WELL (TAG NO. HO-94-4003) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON OR ABOUT 6-8-2005 AND IS ACCURATELY SHOWN.

ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.



Approved Septic System Plan
 Howard County Health Department
 Signature: *[Signature]*
 Date: *[Date]*

LEGEND

- EXISTING CONTOURS ESTABLISHED UNDER F-04-082
- FIELD SURVEYED WELL LOCATION
- 7001A PASSED PERCOLATION TEST PER P-03-010
- 402.8 PASSED PERCOLATION TEST PER P-03-010
- 62-A FAILED PERCOLATION TEST PER P-03-010
- 397.10 FAILED PERCOLATION TEST PER P-03-010

APPROVED:
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

B Nelson for Peter Beilensen, MD 7/24/07
 COUNTY HEALTH OFFICER DATE

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
 www.bel-civilengineering.com

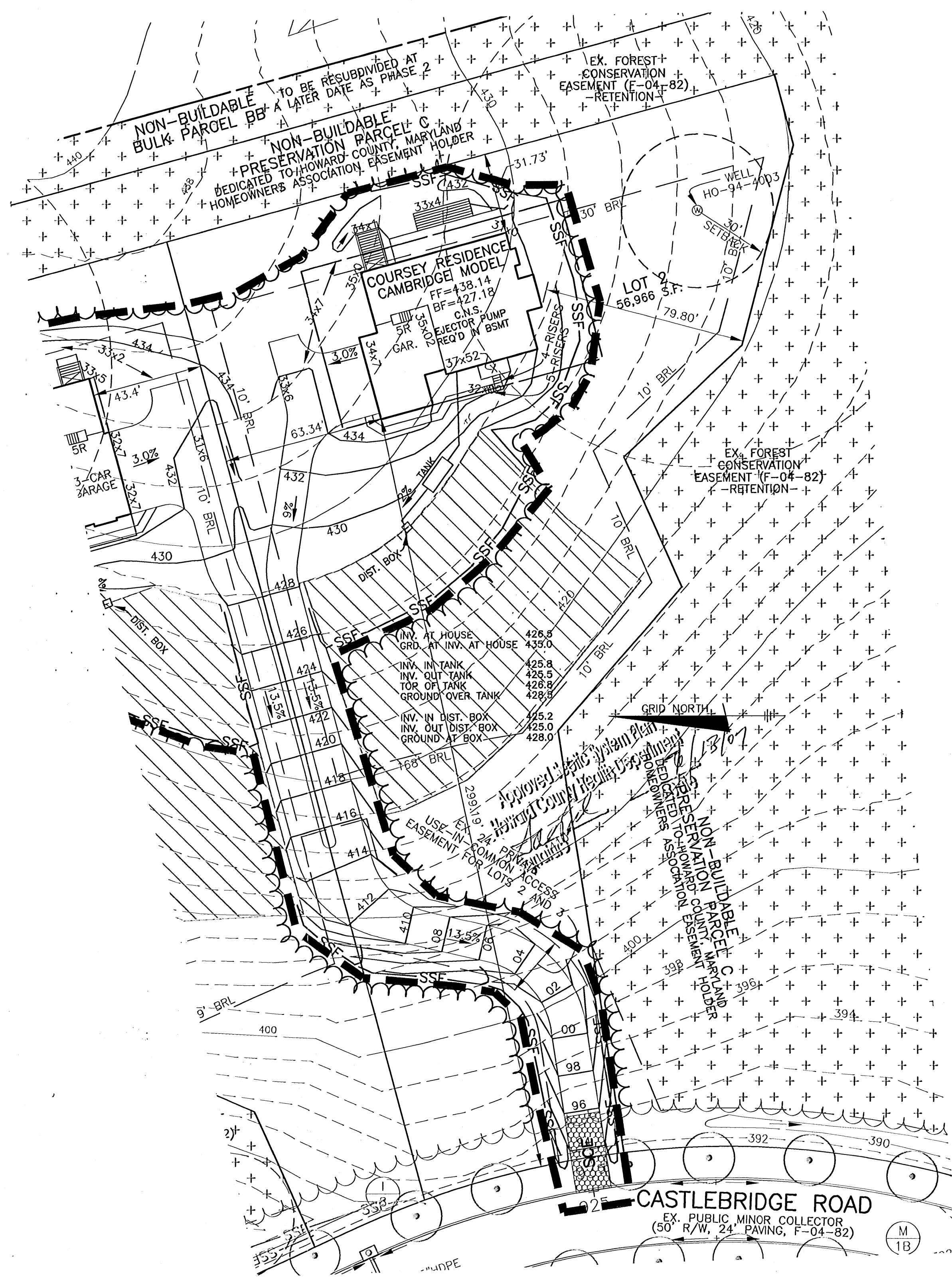
BUILDER:
 CAMBERLEY HOMES, INC.
 6905 ROCKLEDGE DRIVE
 SUITE 800
 BETHESDA, MARYLAND 20817
 301-803-4929

RIVERWOOD
LOT 2

12060 OPEN RUN ROAD, ELLICOTT CITY, MD 21042
 TAX MAP 29, GRIDS 3, 4, 9 & 10 - PARCEL 20
 3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

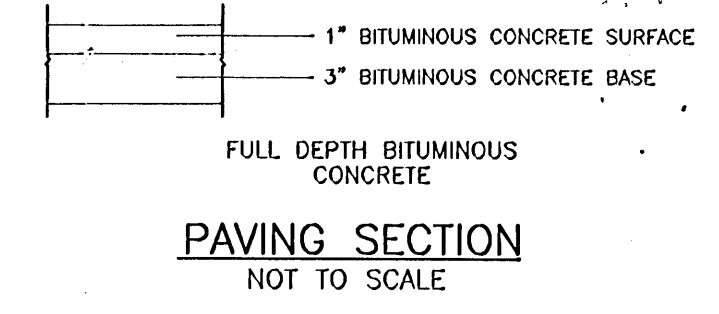
Site Plan + REVISED
PERCOLATION CERTIFICATION PLAN

DATE:	JULY 12, 2007	PROJECT NO.	1950
SCALE:	1" = 50'	DRAWING	1 OF 1



NOTES:

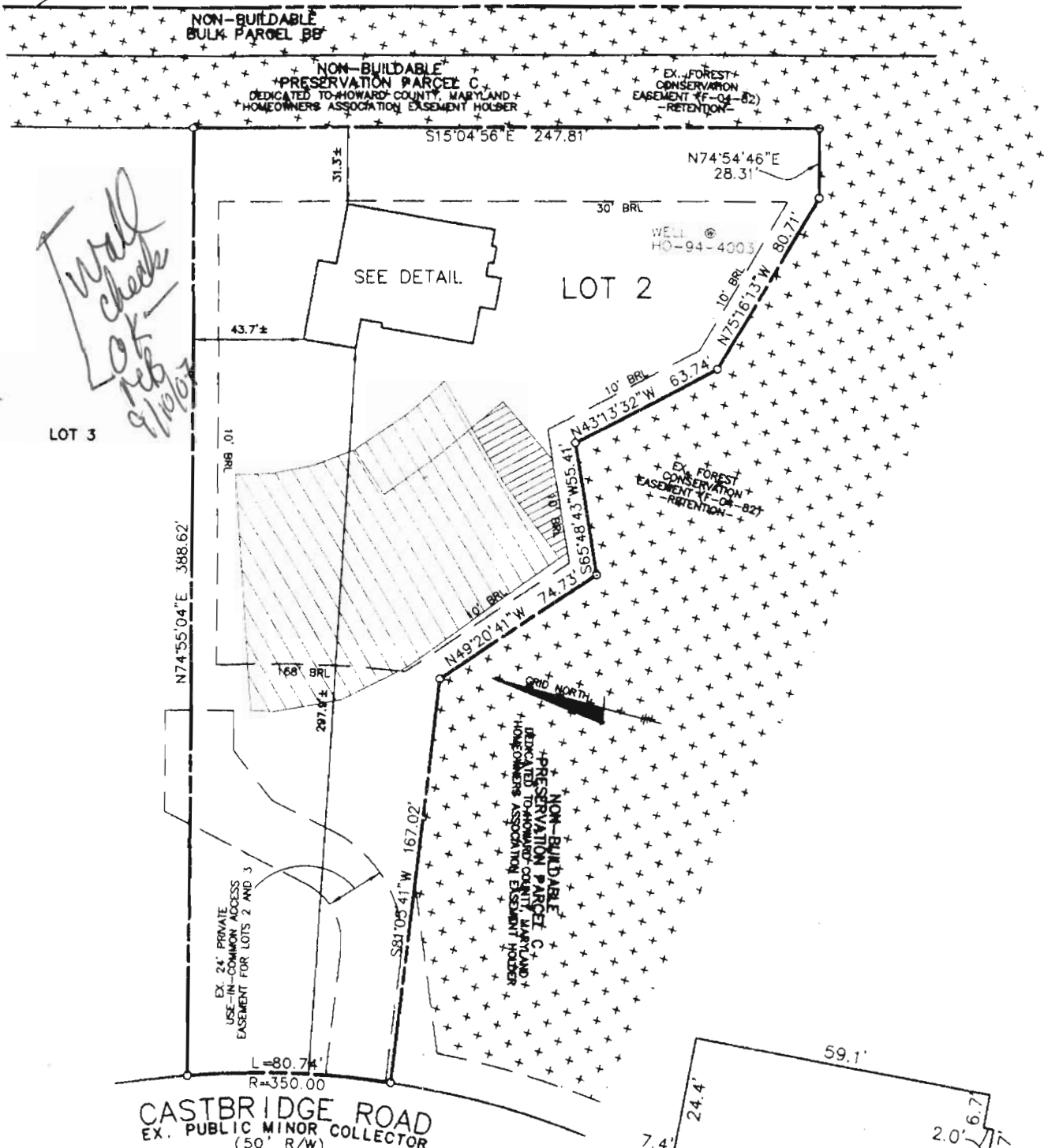
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT No. 18035. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE 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-94-4003, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.



NO.	DATE	REVISION
<p>BENCHMARK ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS</p> <p>ENGINEERING, INC.</p> <p>8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 ▲ FAX: 410-465-6644 EMAIL: benchmrk@calis.com</p>		
OWNER/BUILDER:		PROJECT:
CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929		RIVERWOOD LOT 2
LOCATION:		TITLE:
4830 CASTLEBRIDGE ROAD ELLCOTT CITY, MD 21042 TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		PERMIT PLAN
HOUSE TYPE:		DATE:
COURSEY RESIDENCE		MAY 31, 2007
DESIGN:	DRAFT:	PROJECT NO.
JMC	JMC	1950
SCALE:		DRAWING
1" = 30'		1 OF 1

LOT 15
 JOEL L. PARRAN
 JAY K. PARRAN
 1467/445
 5617 SUFFIELD COURT
 4.24 AC. +/-

LOT 14
 HARMON C. LANDESMAN
 RENEE K. LANDESMAN
 1976/547
 11073 GAITHER FARM ROAD
 4.38 AC. +/-



*Wall check
 Lot 2
 8/21/07*

TOP OF FOUNDATION WALL ELEVATION = 436.8'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 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 08/17/07.

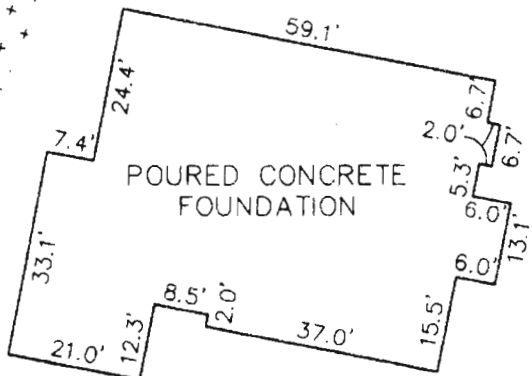
8/21/07 *Stephan Jalon*

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.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 • fax: 410-465-6644
 www.bei-civilengineering.com



FOUNDATION DETAIL
 SCALE: 1" = 30'

WALL CHECK
RIVERWOOD
PHASE 1
PLAT No. 18035
LOT No. 02

4830 CASTLEBRIDGE ROAD

3RD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FIELD OBS. BY KLD
 COMP. BY EWF
 DRAWN BY EWF

SCALE: 1" = 60' DATE: 08/17/07



Vulcan Construction Materials, LP

SHIPPING LOCATION:

	WARNING Read important health information on reverse.
	PRECAUCIÓN Léase la información importante para la salud en el reverso.

CARRIER:		RECEIVED IN APPARENT GOOD ORDER, EXCEPT AS NOTED	
X			

DATE:	TIME:	PLANT:	TICKET NO.:

CUSTOMER	CUSTOMER P. O.

SALES ORDER	DESTINATION

HAUL	TRUCK NO.	SALES ORDER TOTAL
PRODUCT	LGW LBS	BLT LBS
GROSS LBS	TARE LBS	NET LBS
GROSS kg	TARE kg	NET kg
		NET TONS
		DEST TONS TODAY
		DEST LOADS TODAY

COMMENTS

	PROD.	HAUL	TAX	ADDTL CHG	TOTAL CASH SALE
PER TON					
AMOUNT					

NOTE: WHEN INITIALED BELOW, THE AGGREGATE SHIPPED UNDER THIS CERTIFICATION HAS BEEN TESTED AND CONFORMS TO THE REQUIREMENTS OF VDOT.

Vulcan Construction Materials

PUBLIC WEIGHMASTER LICENSE # _____ EXPIRES _____

STATE _____

(INVALID UNLESS SIGNED OR INITIALED)

WE MAKE DELIVERIES INSIDE CURB LINE AND ON THE LOT AT CUSTOMER'S RISK ONLY AND ACCEPT NO RESPONSIBILITY WHATSOEVER FOR DAMAGE RESULTING FROM SUCH DELIVERIES.

COPY 4

VMC 1850-01-MED (06/2005)

357370

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We are an Equal Opportunity Employer

SAVAGE STONE, LLC

SAVAGE, MARYLAND

Mailing Address: P.O. Box 850, Laurel, Maryland 20725

DISPATCH / SALES
301-953-8973
410-792-3753

TRUCKER'S COPY

BILLING INQUIRIES
301-953-7650
410-792-7234

TICKET #00125961

STATION 55

DATE 10/18/07 TIME 11:32:01

CUSTOMER KENHAT
HATFIELDS EQUIPMENT
PO BOX 519
ANNAPOLIS, MD 20701

JOB YARD : YARD
P.O. # PROJECT #:

TRUCK HE35 LICENSE
DRIVER: HATFIELD EQUIPMENT

0 AXLES

GROSS
TARE (STORED)
NET
NET TONS

lbs.
66540
28420
38120
19.06

DAILY
TOTAL
TIME IN 11:32:01

Loads
2
111

Tons
39.05
1986.80
TIME OUT 11:32:01

MAT'L 0022 : MD #2 STONE
HAUL ZONE 0000

WEIGHMASTER

Gall Harrison

RECEIVED BY

AS 55

PLEASE FOCUS

*Hat Field - Jr & Danny Job
Riverwood*

We are an Equal Opportunity Employer

SAVAGE STONE, LLC

SAVAGE, MARYLAND

Mailing Address: P.O. Box 850, Laurel, Maryland 20725

DISPATCH / SALES
301-953-8973
410-792-3753

TRUCKER'S COPY

BILLING INQUIRIES
301-953-7650
410-792-7234

TICKET #00126021

STATION SS

DATE 10/18/07 TIME 12:28:52

CUSTOMER KENHAT
HATFIELDS EQUIPMENT
PO BOX 519
ANNAPOLIS, MD 20701

JOB YARD : YARD
P. O. # PROJECT #:

TRUCK HE35 LICENSE
DRIVER: HATFIELD EQUIPMENT

@ AXLES

	lbs.	DAILY	Loads	Tons
GROSS	66440	TOTAL	3	58.06
TARE (STORED)	28420	TIME IN 12:28:52	112	2005.81
NET	38020	TIME OUT 12:28:52		
NET TONS	19.01			

MAT'L 0022 : MD #2 STONE
HAUL ZONE 0000

WEIGHMASTER Gail Harrison

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PLEASE FOCUS

J/K ← Donny's Job
Riverwood

We are an Equal Opportunity Employer

SAVAGE STONE, LLC

SAVAGE, MARYLAND

Mailing Address: P.O. Box 850, Laurel, Maryland 20725

DISPATCH / SALES
301-953-8973
410-792-3753

TRUCKER'S COPY

BILLING INQUIRIES
301-953-7650

TICKET # 126086

STATION SS

DATE 10/18/07 TIME 13:48:51

CUSTOMER KENHAT
HATFIELDS EQUIPMENT
PO BOX 519
ANNAPOLIS, MD 20701

JOB YARD : YARD
P.O. # PROJECT #:

TRUCK HE35 LICENSE
DRIVER: HATFIELD EQUIPMENT

4 AXLES

GROSS
TARE (STORED)
NET
NET TONS

lbs.
66180
28420
37760
18.88

Loads
DAILY 4
TOTAL 113
TIME IN 13:48:51

Tons
76.94
2824.69
TIME OUT 13:48:51

MAT'L 0022 : MD #2 STONE
HAUL ZONE 0000

WEIGHMASTER

Bill Harrison

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