RECEIPT DATE: 12/11/12

P 544426

INSTALLATION APPROVAL DATE: _____

PERMIT

A _____

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

PROPERTY OWNER: Dorsey Family Homes

OWNER'S ADDRESS: 10717-B Birmingham Way, Woodstock, MD 21163 PHONE: 410465-5739

ADDRESS: 12139 Old Frederick Road TAX ACC'T #: _____

SUBDIVISION: Shipley's Choice LOT: 1

SEPTIC TANK CAPACITY (GALLONS): TBD

PUMP CHAMBER CAPACITY (GALLONS): TBD

NUMBER OF BEDROOMS: TBD APPLICATION RATE: TBD

SQUARE FOOTAGE OF HOUSE: TBD

LINEAR FEET OF TRENCH REQUIRED: TBD

TRENCHES:	TO BE DETERMINED ON APPROVED SUPPLEMENTAL PLAN
LOCATION:	TO BE DETERMINED ON APPROVED SUPPLEMENTAL PLAN
NOTES:	A SUPPLEMENTAL PLAN PROVIDING SYSTEM DETAILS IS REQUIRED PRIOR TO HEALTH APPROVAL OF BUILDING PERMIT, PLOT PLAN, AND WALL CHECK. AN APPROVED WALL CHECK IS REQUIRED PRIOR TO PRE-CONSTRUCTION INSPECTION. THE OSDS PERMITTED HEREIN IS NOT SUBJECT TO REVISIONS TO COMAR 26.04.02 EFFECTIVE 1/1/2013 ON THE CONDITION THAT FINAL HEALTH APPROVAL OF THE INSTALLATION IS GRANTED PRIOR TO PERMIT EXPIRATION.

ISSUED BY: JEFF WILLIAMS ISSUE DATE: 12/11/12 EXPIRATION DATE: 12/11/13

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
NOTE: ALL PARTS OF SEPTIC SYSTMEM SHALL BE 100 FEET FROM ANY WATER WELL
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONANTS OF THE SYSTEM

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.

12/5/2012 JW

Howard County Health Department

Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 12/11/12 **ONSITE SEWAGE DISPOSAL SYSTEM** P 544426

INSTALLATION APPROVAL DATE: 6/20/2013

PERMIT

CONSTRUCTION

A

PROPERTY ADDRESS: **12139 Old Frederick Road**

SUBDIVISION: **Shipley's Choice** LOT: **1** TAX ID:

CONTRACTOR: EMAIL:

CONTRACTOR ADDRESS: PHONE:

PROPERTY OWNER: **Dorsey Family Homes** EMAIL:

OWNER ADDRESS: **10717-B Birmingham Way, Woodstock, MD 21163** PHONE: **410-465-5739**

SEPTIC TANK SIZE (GALLONS): **2000**

PUMP CHAMBER CAPACITY (GALLONS): PUMP SIZE:

NUMBER OF BEDROOMS: **4** HOUSE SQ. FT. **5,327** APPLICATION RATE: **0.8**

DISTRIBUTION SYSTEM: GRAVITY FED ☒ LOW PRESSURE DOSED ☐

TRENCHES:	LINEAR FEET REQUIRED: ~~150'~~ 160'		INLET DEPTH: ~~3.5~~ 4.5'	
	TRENCH WIDTH: ~~2~~ 3'		MAXIMUM BOTTOM DEPTH: ~~3.5~~ 7.0'	
	MINIMUM SPACE BETWEEN TRENCHES: 9		EFFECTIVE AREA BEGINNING DEPTH: ~~3.5~~ 5.0'	
LOCATION:	**PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.**			
NOTES:	Install SHC per plan. Set septic tank per plan. Set distribution box per plan. Install 3 x 50' trenches on contour in upper SDA. 60' + 100'			

ISSUED BY: **Robert Bricker** ISSUE DATE: EXPIRATION DATE: **12/11/13**

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
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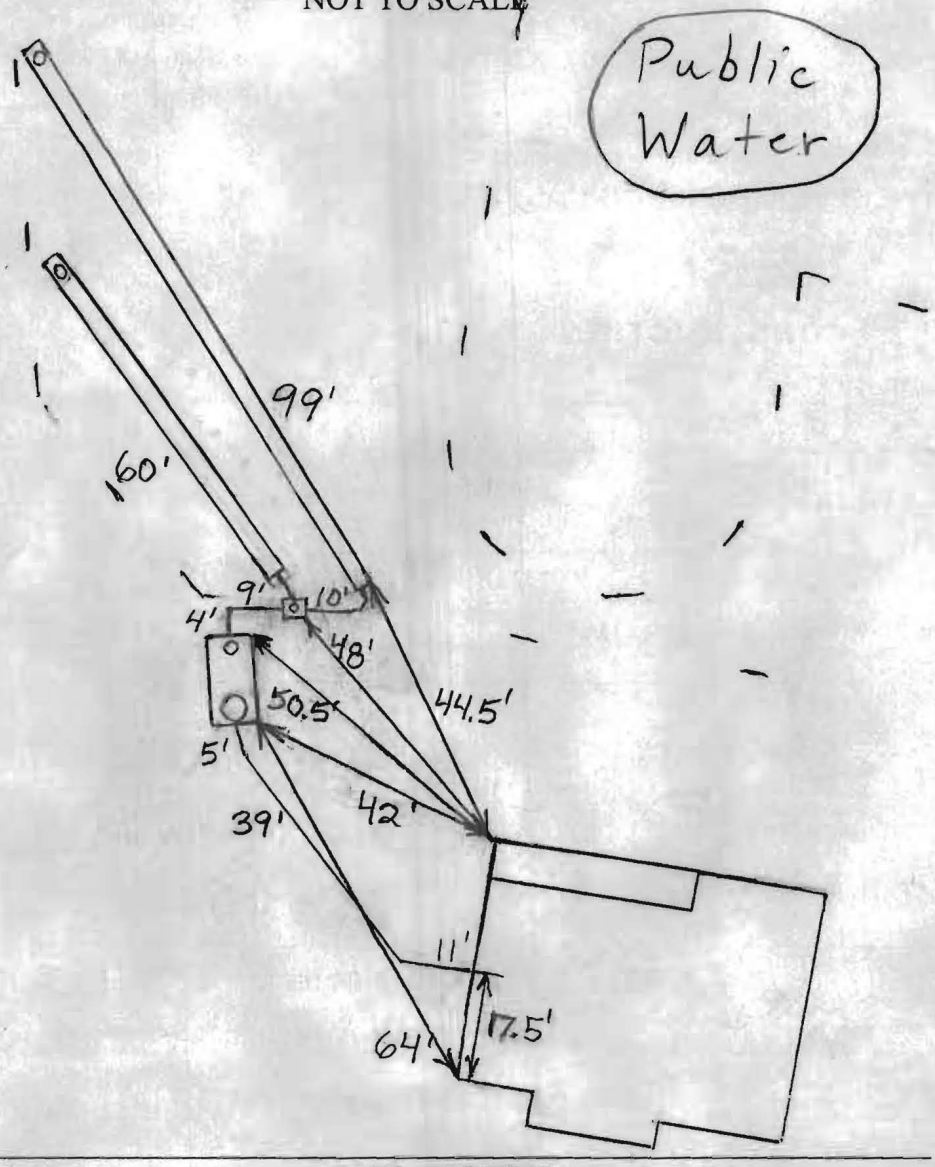
CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	4.5'	7'

NUMBER OF TRENCHES 2

TOTAL LENGTH 159'

ABSORPTION AREA 477+Sidewall

DISTRIBUTION BOX LEVEL Levelers

DISTRIBUTION BOX BAFFLE Yes

DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

MANUFACTURER Babylon

CAPACITY 2000 GAL

SEAM LOC Top

TANK LID DEPTH 1.5'-2'

BAFFLES Yes

BAFFLE FILTER No

MANHOLE LOC Front

6" PORT LOC Rear

WATERTIGHT TEST No

SLOTTED Yes

DATE ON LID 5/6/2013

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER

CAPACITY GAL

SEAM LOC

TANK LID DEPTH

BAFFLES

BAFFLE FILTER

MANHOLE LOC

6" PORT LOC

WATERTIGHT TEST

SLOTTED

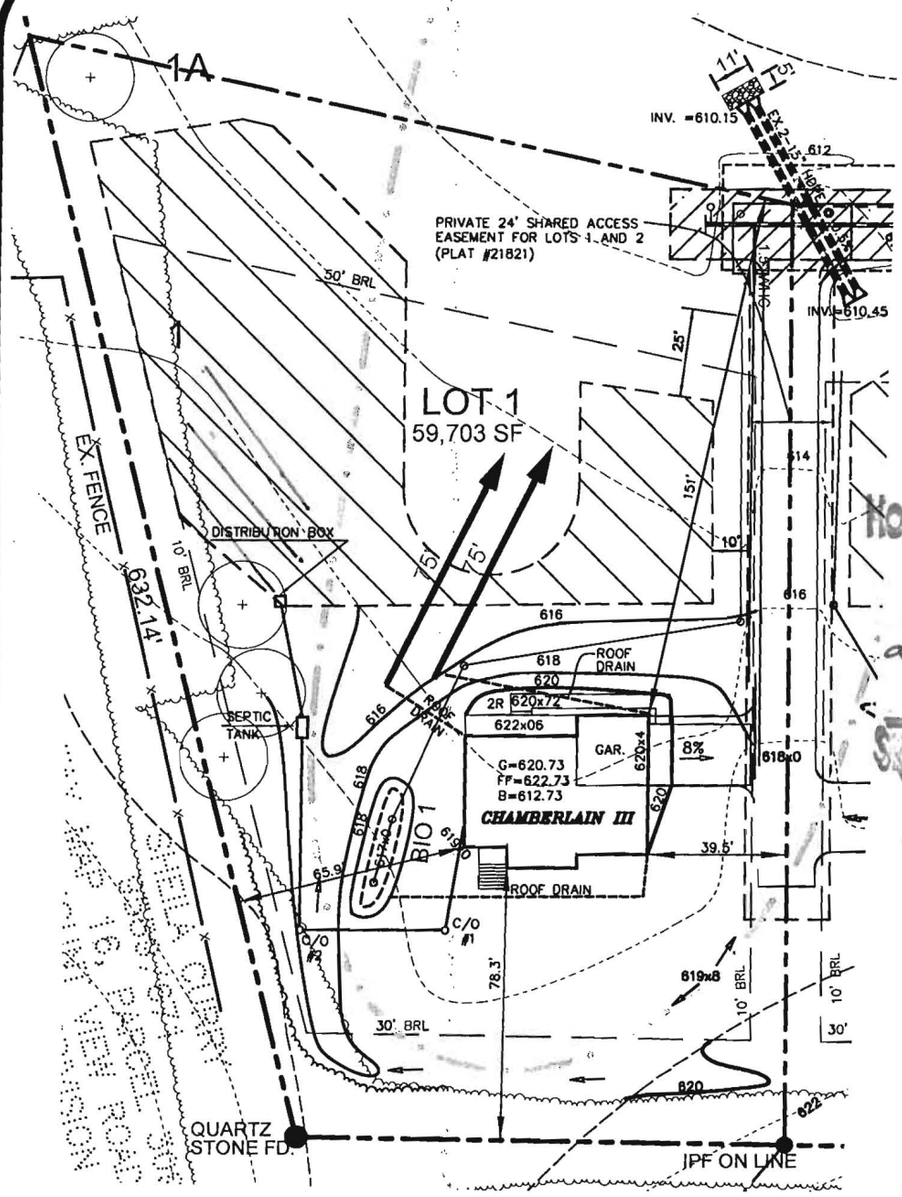
DATE ON LID

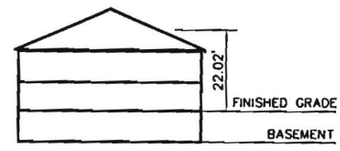
PRE-CONSTRUCTION:
6/18/2013 (AM) Gas main ruptured. Layout cancelled by firemen. BB
6/18/2013 (PM) Install an upper 60' and lower 100' trench on contour across the top of the western part of the septic easement. Install the tank near where shown on the B.P. plan. BB

INSTALLATION: 6/19/2013 Tank set. House connection made. Top trench done. BB

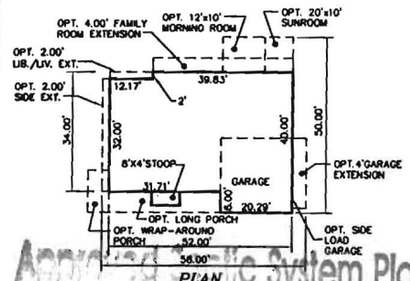
6/20/2013 System finished. O.K. to backfill. BB

FINAL INSPECTOR B. Baker DATE OF APPROVAL 6/20/2013





PROFILE



PLAN
CHAMBERLAIN III
SCALE: 1"=50'

Approved Septic System Plan
Howard County Health Department
B1300 1355
4-Bedroom SFD Public
approved as shown water
R Bieber
Signature
6/11/2013
Date

SEPTIC SYSTEM DATA

FIRST FLOOR EL:	622.73
BASEMENT EL:	612.73
INV. OUT OF HOUSE *CNS:	616.00
INV @ C/O #1:	615.70
EX. GR. EL. @ C/O #1:	618.50
INV @ C/O #2:	614.80
EX. GR. EL. @ C/O #2:	618.00
INV. IN SEPTIC TANK:	614.00
INV. OUT SEPTIC TANK:	613.75
EX. GR. EL. @ SEPTIC TANK:	618.00
PR. GR. EL. @ SEPTIC TANK:	617.50
EX. GR. EL @ DIST. BOX:	617.00
INV. IN @ DIST. BOX:	613.40

*CNS: NO GRAVITY SEWER TO BASEMENT

REVISED
Date: 6-6-13
Comments: per Health

GENERAL NOTES:

1. SUBJECT PROPERTY ZONED RR-DEO PER THE 02/02/04 COMPREHENSIVE ZONING PLAN AND THE COMPLETE ZONING AMENDMENT EFFECTIVE 07/28/06.
2. BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN SURVEY BY SILL, ADCOCK AND ASSOC. LLC PERFORMED ON OR ABOUT MAY 2010.
3. SITE LOCATION : TAX MAP 10, PARCEL 15, LOT 1
   SITE AREA : 59,703 S.F.±
4. TOPOGRAPHIC DATA SHOWN HEREON IS BASED ON FIELD RUN TOPOGRAPHIC SURVEY BY SILL, ADCOCK AND ASSOC. LLC PERFORMED ON OR ABOUT MAY 2010.
5. BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
6. PUBLIC WATER AND PRIVATE SEWERAGE WILL BE UTILIZED.
7. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL.
   IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, & RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
8. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
   - WIDTH – 12' (16' SERVING MORE THAN ONE RESIDENCE);
   - SURFACE – 6" OF COMPACTED CRUSHER RUN BASE W/TAR AND CHIP COATING (1-1/2" MIN.);
   - GEOMETRY – MAX. 14% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS;
   - STRUCTURES (CULVERTS/BRIDGES) – CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING);
   - DRAINAGE ELEMENTS – CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
   - MAINTENANCE – SUFFICIENT TO ENSURE ALL WEATHER USE.
9. STORMWATER MANAGEMENT IS PROVIDED VIA ROOFTOP DISCONNECTIONS IN ACCORDANCE WITH THE 2007 MDE STORMWATER DESIGN MANUAL USING ESD METHODS, APPROVED UNDER F-11-065.
10. LIMIT OF DISTURBANCE IS LESS THAN 30,000 S.F.(19,600 S.F.). THIS PLAN QUALIFIES FOR STANDARD EROSION AND SEDIMENT CONTROL. HOWARD SOIL CONSERVATION DISTRICT REVIEW IS NOT REQUIRED.

OWNER/DEVELOPER

DORSEY FAMILY HOMES
10717 BIRMINGHAM WAY SUITE B
WOODSTOCK, MARYLAND 21163
410-465-7200

ADDRESS CHART

LOT #	ADDRESS
1	12139 OLD FREDERICK ROAD, MARRIOTSVILLE, MD 21104

PLOT PLAN
SHIPLEYS CHOICE
LOT 1

FIRST ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

SCALE: 1"=50'	DRAWN BY: MES	DATE: MAR 2013	PN:12-030

MILDENBERG BOENDER, & ASSOC., INC.
Engineers Planners Surveyors
6800 Deerpath Rd., Suite 150, Elkridge, Maryland 21075
(410) 997-0296 Balt. (410) 997-0298 Fax.

MILDENBERG, BOENDER & ASSOC., INC. *Engineers Planners Surveyors*

6800 Deerpath Road, Suite 150, Elkridge, Maryland 21075 (410) 997-0296 Balt. (410) 997-0298 Fax

April 29, 2013

Mr. Robert Bricker, CPSS, REHS/R.S.
Howard County Health Department
Department of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 20146-2147

RE: Shipley's Choice Lot 1
12139 Old Frederick Road
B13001355

Dear Mr. Bricker:

Please find the revised Plot Plan drawing.

The following is a response to your comments dated April 24, 2013.

1. To maintain a minimum cover over the sewer line from the proposed building to the septic tank the suggested revision is not possible. Cover over the sewer line would be 2.5' max. Also there would be a conflict with the crossing between the sewer line and the outflow pipe from the bio-retention facility; therefore SHC has not been revised.
2. Discharge points from the roof drains have been relocated to be at least 20' from the septic easement.
3. Please note that the outflow pipe from the bio-retention facility runs along the septic area,and the driveway, and the discharge point is behind the SDA.

Thank you for your time and effort in this matter. If you have any questions please do not hesitate to contact this office.

Sincerely,
MILDENBERG, BOENDER AND ASSOC., INC.

Maya Mildenberg
Vice President

Cc: Client

12-030\health.docx

Bricker, Robert

From: Bricker, Robert
Sent: Thursday, May 09, 2013 11:56 AM
To: 'Maya Mildenberg'
Cc: 'Robert Dorsey Jr.'; 'jacob hikmat'
Subject: RE: B13001355_12139 Old Frederick Road

There is no flexibility in the required 10 feet separation from a pressurized water line to the SDA. A Percolation Certification Plan revision is needed. After observing the characteristics of the area, I think it is OK to remove as much as a 5-foot width from the SDA boundary next to the driveway, then add that area to the boundary represented by percolation test locations '1A' and '3' (see attached graphic).
Robert Bricker, REHS/R.S.

From: Maya Mildenberg [mailto:maya@mba-eng.com]
Sent: Wednesday, May 08, 2013 4:19 PM
To: Bricker, Robert
Cc: 'Robert Dorsey Jr.'; 'jacob hikmat'
Subject: RE: B13001355_12139 Old Frederick Road

Robert,

The Plot Plans for lots 1-4 are prepare based on the plat #21821 recorded on 01/27/12.
WHC shown is based on the approved water Construction Plan Contract No. 44-4682-D.
The Stormwater Management for this project was design under F-11-065.

Water house connection and the discharge point from the bioretention facility shown on the plat plan is based on the approved plans.
Since the discharge point is downstream from the SDA I was under the impression that this rule doesn't apply. However, I can extend the outflow pipe from the bioretention farther to meet 25' distance from the SDA.

The water main and WHCs are constructed per approved plans. I can extend the WHC up to the proposed house. Since the distance between the septic easement and UIC driveway is 8', and the WHC will be placed within this area outside the pavement I cannot achieve the 10' separation.

Please advise.

Maya M. Mildenberg
Vice President
Mildenberg, Boender and Assoc., Inc.
6800 Deerpath Road Suite 150
Elkridge, Maryland 21075
(410) 997-0296 (tell)
(410) 997-0298 (fax)
(240) 481-7116 (cell)

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

CUSTOMER'S COPY

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

TICKET #692746
STATION SS
DATE 06/19/13 TIME 07:30:49

CUSTOMER SMIBRA
BRANDON SMITH CONTRACTORS INC
6604 CARLETON COURT
LAUREL, MD 20707

JOB PICKUP : PICKUP
P.O. # PROJECT #:

TRUCK BS1379 LICENSE 0 AXLES
DRIVER: BRANDON SMITH

					Loads	Tons
GROSS		SCALE 8	68180 lb	DAILY	1	20.04
TARE	IN	(STORED)	28100 lb	TOTAL	50	977.43
NET			40080 lb	TIME IN 07:30:49		TIME OUT 07:30:49
NET			**20.04 t**			

MAT'L 0029 : WASHED #2 STONE
HAUL ZONE 0000

WEIGHMASTER Gail Harrison

RECEIVED BY

SAFETY FIRST! HAVE A GREAT DAY! PLEASE CHECK YOUR TICKET!

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

CUSTOMER'S COPY

BILLING INQUIRIES
301-953-7650
410-792-7830

TICKET #50692828
STATION SS
DATE 06/19/13 TIME 08:52:28

CUSTOMER SMIBRA
BRANDON SMITH CONTRACTORS INC
6604 CARLETON COURT
LAUREL, MD 20707

JOB PICKUP : PICKUP
P.O. # PROJECT #:

TRUCK BS1379 LICENSE 0 AXLES
DRIVER: BRANDON SMITH

					Loads	Tons
GROSS		SCALE B	68000 lb	DAILY	2	39.99
TARE	IN	(STORED)	28100 lb	TOTAL	51	997.38
NET			39900 lb	TIME IN 08:52:28		TIME OUT 08:52:28
NET			19.95 t			

MAT'L 0029 : WASHED #2 STONE
HAUL ZONE 0000

WEIGHMASTER Gail Harrison

RECEIVED BY

SAFETY FIRST! HAVE A GREAT DAY! PLEASE CHECK YOUR TICKET!

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

CUSTOMER'S COPY

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

TICKET #00692912
STATION SS
DATE 06/19/13 TIME 10:16:52

CUSTOMER SMIBRA
BRANDON SMITH CONTRACTORS INC
6604 CARLETON COURT
LAUREL, MD 20707

JOB PICKUP : PICKUP
P.O. # PROJECT #:

TRUCK BS1379 LICENSE 0 AXLES
DRIVER: BRANDON SMITH

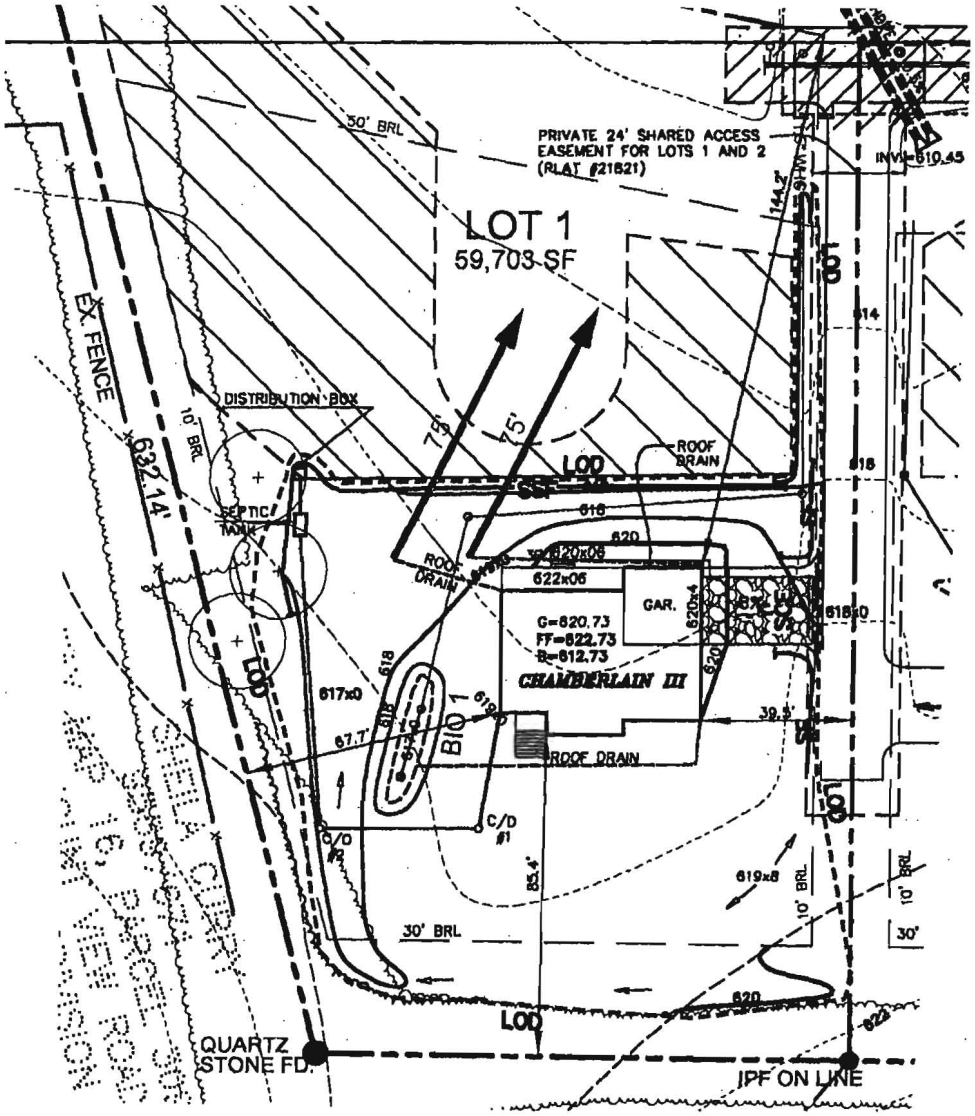
					Loads	Tons
GROSS		SCALE A	68460 lb	DAILY	3	60.17
TARE	IN	(STORED)	28100 lb	TOTAL:	52	1017.56
NET			40360 lb	TIME IN 10:16:52		TIME OUT 10:16:52
NET			**20.18 t**			

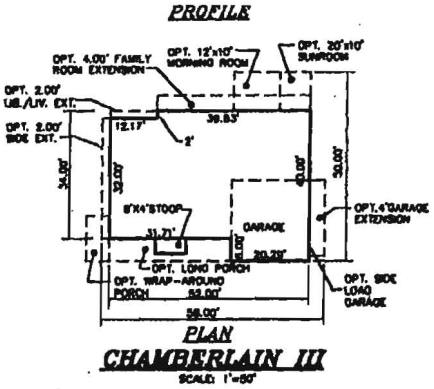
MAT'L 0029 : WASHED #2 STONE
HAUL ZONE 0000

WEIGHMASTER Stacey Hawke

RECEIVED BY EK

SAFETY FIRST! HAVE A GREAT DAY! PLEASE CHECK YOUR TICKET!





4/29/2013

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BASEMENT EL:	612.73
INV. OUT OF HOUSE *CNS:	616.00
INV ⊙ C/O #1:	615.70
EX. GR. EL. ⊙ C/O #1:	618.50
INV ⊙ C/O #2:	614.80
EX. GR. EL. ⊙ C/O #2:	618.00
INV. IN SEPTIC TANK:	614.00
INV. OUT SEPTIC TANK:	613.75
EX. GR. EL. ⊙ SEPTIC TANK:	617.50
PR. GR. EL. ⊙ SEPTIC TANK:	617.50
EX. GR. EL ⊙ DIST. BOX:	617.00
INV. IN ⊙ DIST. BOX:	613.50

*CNS: NO GRAVITY SEWER TO BASEMENT

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REVISED
Date: 4-29-13
Comments: revised plot per Health

OWNER/DEVELOPER

DORSEY FAMILY HOMES
10717 BIRMINGHAM WAY SUITE B
WOODSTOCK, MARYLAND 21163
410-465-7200

ADDRESS CHART

LOT #	ADDRESS
1	12139 OLD FREDERICK ROAD, MARRIOTSVILLE, MD 21104