



HOWARD COUNTY HEALTH DEPARTMENT

56463

DATE
5/19/15

Received From

Keen Masha Kell

PHONE #

443 829-9222

For

Perc Test - Millers Mill Rd. parcel 4E

CASH

CHECK

NO.

1810

Five hundred six 1/10 Dollars

\$

506 100

Received By

King



HOWARD COUNTY HEALTH DEPARTMENT

56453

DATE 5/8/15

15

Received From

Rainmaker Development

PHONE #

For

Ponc App/2101 Millers Hill Rd

CASH

CHECK

NO.

1802

Seven hundred Sixty

Dollars

\$

2600

Received By

J King

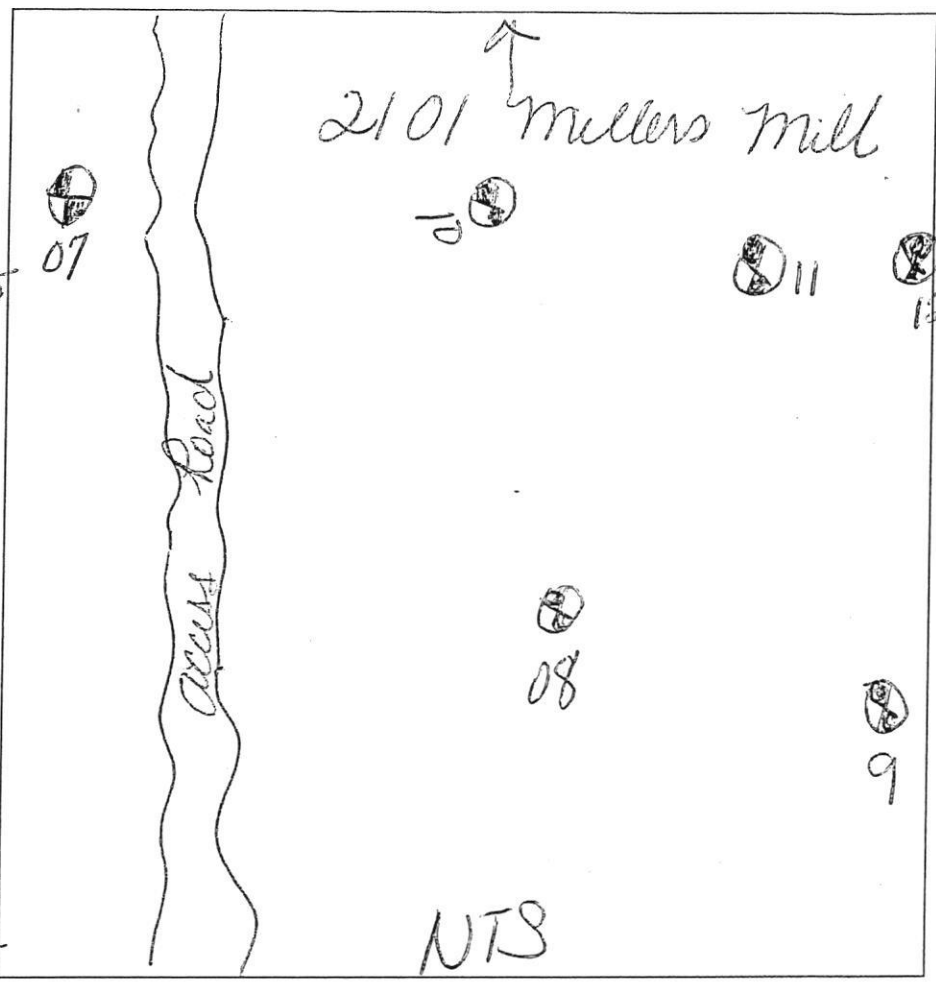
A/P _____

7

#12
Red Brown
yellow
SL
4.5'
Red Brown
yellow
SL
5-10%
R₄
↓
14'

#11
Red Brown
yellow
SL
4.5'
Red Brown
yellow
FSL
5-10%
R₄
↓
14'

#10
Red Brown
yellow
5-10%
R₄
5'
Red Brown
yellow
SL
Rock
10-20%
R₄
↓
12'



Red Brown
yellow
SL
5-10%
R₄
4.5'
Red Brown
yellow
SL
10-20%
R₄
H₂O
in the
Bottom @ 10'
11.5'

P-5
Red Brown
yellow
SL
4.5'
Red Brown
yellow
SL
5-10%
R₄
↓
15'

P-8
Red Brown
yellow
SL
4.5'
Red Brown
yellow
SL
5-10%
R₄
↓
14.5'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6-3-15	P-12	5.5 / 14	10:03	10:05	10:16	9 min	X
6-3-15	P-11	5.5 / 14	10:06	10:09	10:11	2 min	P
6-3-15	P-10	6 / 14	1:45	1:56	2:10	14 min	P
6-3-15	P-7	5.5 / 11.5	10:28	10:30	10:34	4 min	P
6-3-15	P-	5.5 / 15	10:34	10:51	11:16	20 min	P
6-3-15	P-8	5 / 14.5	10:54	11:00	11:16	16 min	P

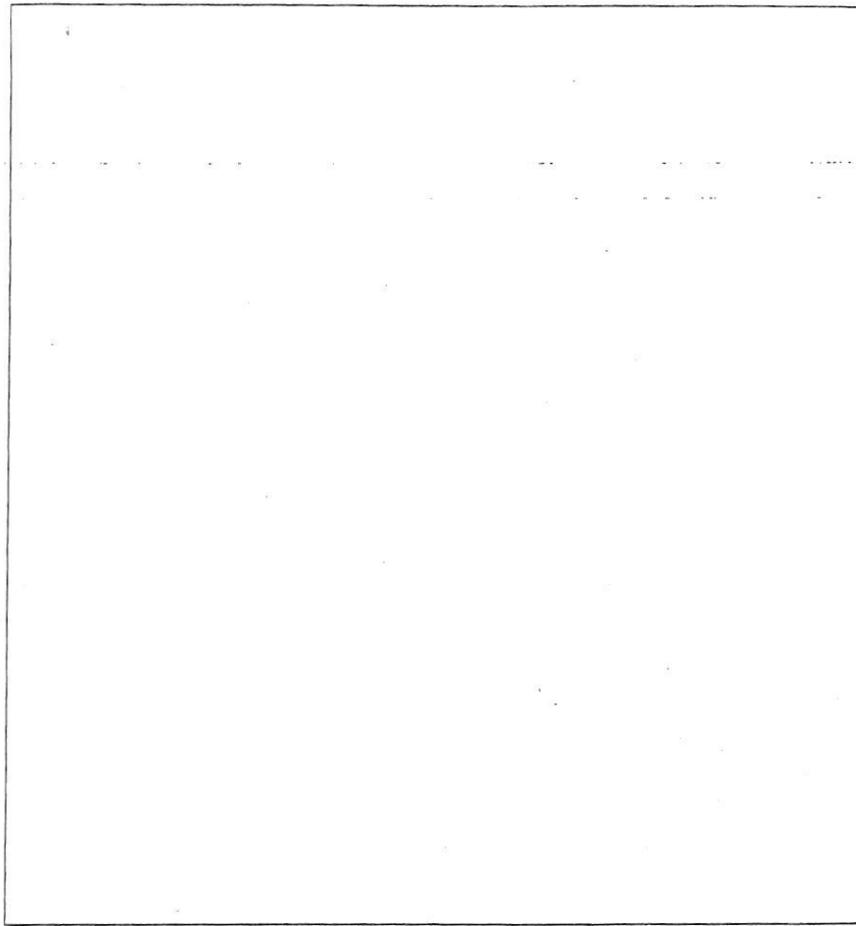
REMARKS _____
 SANITARIAN Bernard BACKHOE Hatfields OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

A/P

#P-2
 Red Brown
 yellow
 SL
 5-10%
 7'
 Red Brown
 yellow
 SL
 5-10%
 15'

#P-4
 Red Brown
 yellow
 SL
 6'
 Red Brown
 yellow
 SL
 silty
 5-10%
 15'

P-3
 Red Brown
 yellow
 SL
 6'
 Red Brown
 yellow
 silty
 SL
 ↓



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6-3-15	P-2	7.5/15	11:29	11:33	11:43	10min	P
6-3-15	P-4	7/35	11:39	11:45	11:56	11min	P
6-3-15	P-3	7/14	12:00	12:03	12:11	8min	P
6-3-15	P-6	5/15	12:37	12:44	12:51	7	P
6-3-15	P-5	8/15	12:49	12:56	1:05	9min	P
6-3-15	P-1	8/14.5	1:07	1:15	1:33	18min	P

#P-6
 Red Brown
 yellow
 SL
 4'
 Red Brown
 yellow
 SL
 5-10%
 15'

P-5
 Red Brown
 yellow
 SL
 5-10%
 7'
 Red Brown
 yellow
 SL
 silty
 ↓
 15'




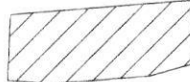




P-1
 Red Brown
 yellow
 SL
 7'
 Red Brown
 yellow
 SL
 5-10%
 14.5'

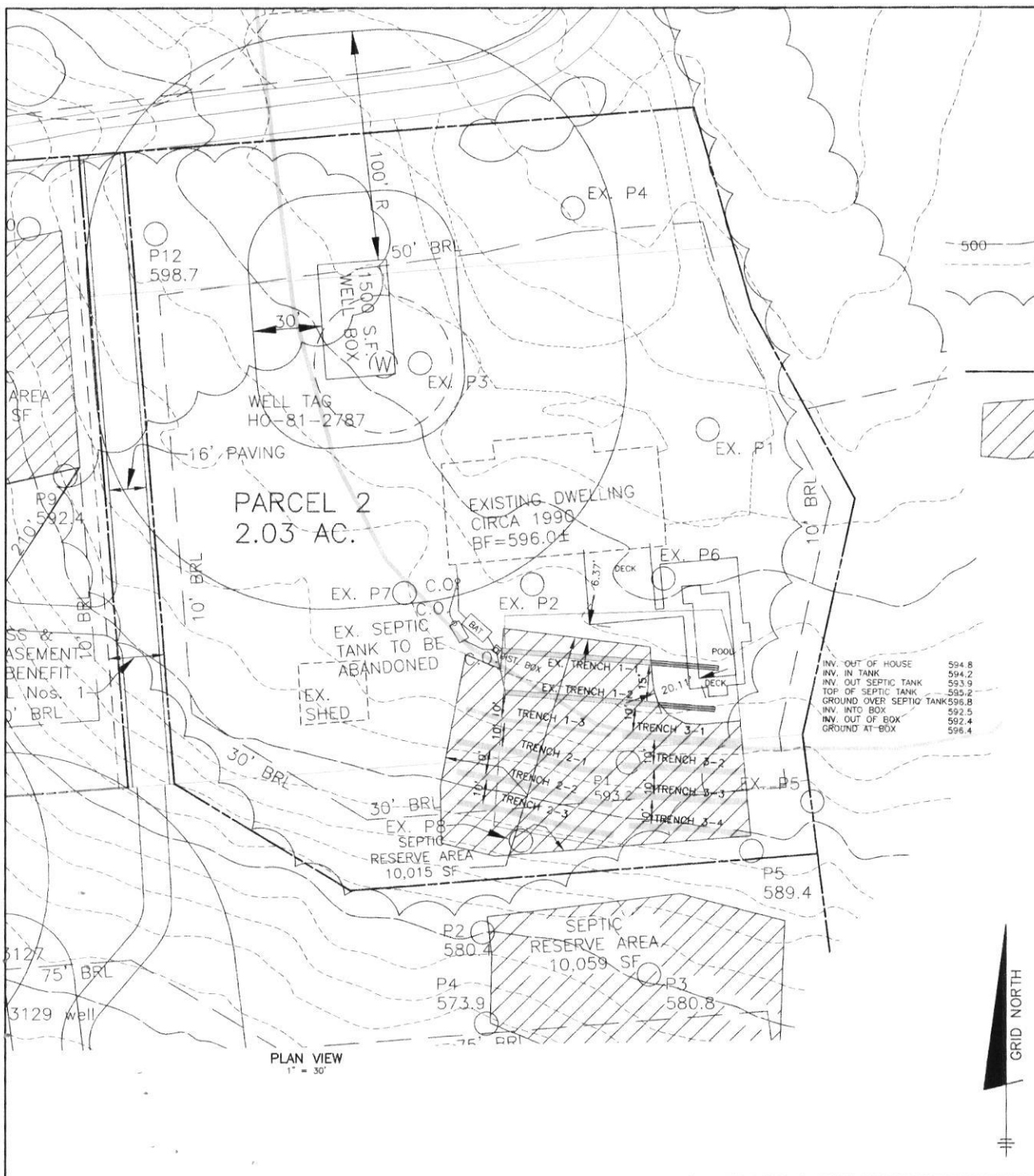
REMARKS _____
 SANITARIAN _____ BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
GnB2	C	GLENVILLE, SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MqC2	B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
-	-	-

* INDICATES HYDRIC SOILS
 TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 33

LEGEND

-  EXISTING CONTOURS
-  EXISTING TREELINE
-  LIMIT OF SUBMISSION
-  PROPOSED SEPTIC AREA
-  EXISTING SEPTIC AREA
-  SOILS DELINEATION
-  EXISTING PASSED PERCOLATION (1/9/84 OR 5/13/88)
-  PASSED PERCOLATION (6/3/15)



BUILDING PERMIT PLAN NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED AS PARCEL 2 IN A DEED RECORDED AS LIBER 16333 FOLIO 329 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, DATED JULY 10, 2015.
2. SEDIMENT AND EROSION CONTROLS ARE NOT REQUIRED FOR THIS PERMIT PLAN.
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM HOWARD COUNTY GIS DEPARTMENT DATA AND FILED RUN TOPOGRAPHY BY BENCHMARK ENGINEERING, INC., DATED JULY, 2015.
4. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
5. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE REQUIREMENTS OF COMAR AND HOWARD COUNTY CODE.
6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-81-2787, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
7. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
8. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. THE PURPOSE OF THIS REVISED BAT PLAN IS TO SHOW THE LOCATION OF THE PROPOSED POOL, THE SEPTIC ARE REVISION AND THE NEW TRENCH DESIGN.

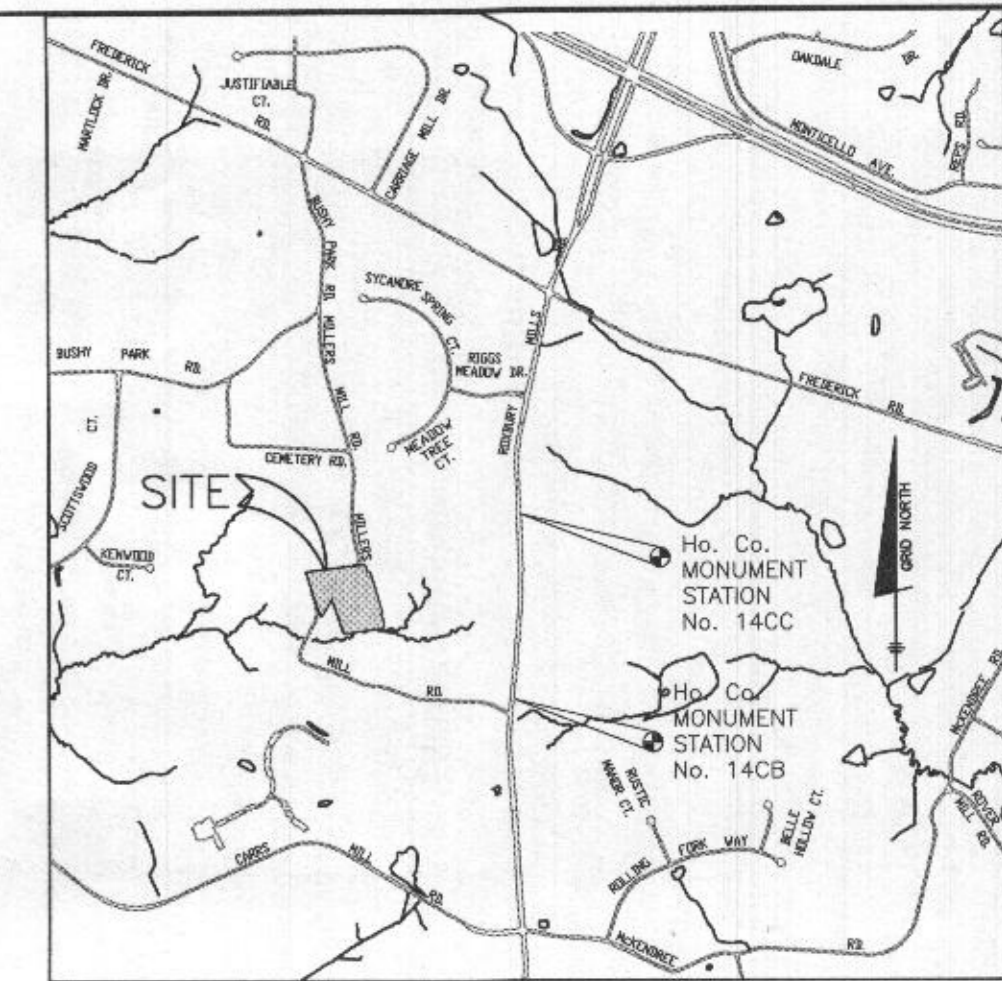
INV. OUT OF HOUSE	594.8
INV. IN TANK	594.2
INV. OUT SEPTIC TANK	593.9
TOP OF SEPTIC TANK	595.2
GROUND OVER SEPTIC TANK	596.8
INV. INTO BOX	592.5
INV. OUT OF BOX	592.4
GROUND AT BOX	596.4

BENCHMARK
 ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 315
 ELICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 • FAX: 410-465-6844
 BEM@B-CVLENGINEERING.COM

<p>OWNER/BUILDER: RAINMAKER DEVELOPMENT, INC. 6755 BUSINESS PARKWAY SUITE 103 ELKRIDGE, MD 21075 410-379-1525</p>	<p>PROJECT: PRINCETON MILL PARCEL 2</p> <p>LOCATION: 2101 MILLERS MILL ROAD COOKSVILLE, MD 21723 TAX MAP: 14 GRID: 4 PARCEL: 76 4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND TAX ID NUMBER: 04-320026</p> <p>TITLE: REVISED BAT SITE PLAN</p> <p>HOUSE TYPE: EXISTING HOUSE REMODEL</p> <p>DATE: SEPTEMBER, 2015 JANUARY, 2016</p> <p>PROJECT NO. 2696</p>
DESIGN: JMC	DRAFT: JMC
SCALE: 1" = 30'	DRAWING 1 OF 2

1/2016 millers mill rev.dwg 1011 reduced property lines adjacent well box.dwg, Bat PLAN: 2/23/16 @ 2:16 PM, A:\CADD\PPP\Civil\2016\20160101\1011\1011.dwg



ADC MAP 17 - GRID A2
VICINITY MAP
SCALE: 1" = 2000'

BENCHMARK INFORMATION NAD83	
Ho. Co. STATION 140B STAMPED DISC SET ON TOP OF CONCRETE COLUMN 3.7' EAST OF THE EDGE OF PAVING FOR MD ROUTE 97 AND 92.7' SOUTH OF BOKE POLE No. 18 NORTHING: 598079.769' EASTING: 1306428.226' ELEVATION: 590.999'	Ho. Co. STATION 140C STAMPED DISC SET ON TOP OF CONCRETE COLUMN 9.4' EAST OF THE EDGE OF PAVING FOR MD ROUTE 97 AND 28.1' NORTH OF C&P POLE No. 11 NORTHING: 598950.258' EASTING: 1306517.786' ELEVATION: 602.899'

GENERAL NOTES

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 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.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THESE LOTS WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN. INFORMATION HAS BEEN REQUESTED FROM THE BUREAU OF ENVIRONMENTAL HEALTH CONCERNING THE ADJOINING PROPERTIES.
- THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS WITH TWO-FOOT CONTOUR INTERVALS. TRACT OUTLINE WAS ESTABLISHED BY FIELD WORK PERFORMED BY BENCHMARK ENGINEERING, INC. TOPOGRAPHY FOR THE SEPTIC RESERVE AREAS WAS FIELD VERIFIED, THE SLOPES ARE ACCEPTABLE.
- PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE IS A41668 FOR PARCEL 2.
- THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION IS TO RECONFIGURE AN APPROVED PRIVATE SEWERAGE EASEMENT DUE TO POOL AND DECK SETBACK REQUIREMENTS.
- THIS PARCEL WAS RECONFIGURED BY DEED DATED OCTOBER 20, 2015, AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY MARYLAND IN LIBER 16511 AT FOLIO 62.
- THIS PLAN SHOWS A RECONFIGURATION OF THE SEPTIC FOR PARCEL 2 DUE TO THE PROPOSED POOL AND DECK LOCATION. THIS RECONFIGURATION WILL REQUIRE SOME TRENCH ABANDONMENT AND REPLACEMENT, SEE THE REVISED BAT SITE PLAN.

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	K VALUE
GaC		B		GAILA LOAM, 8 TO 15 PERCENT SLOPES	0.24
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.37
GgC		B		GLENELG LOAM, 8 TO 15 PERCENT SLOPES	0.37
GnB*	YES	C	D	GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES	0.37
MaD		B		MANOR LOAM, 15 TO 25 PERCENT SLOPES	0.32

* INDICATES HYDRIC SOILS
** HIGHLY ERODIBLE, K>0.35, AND/OR 15% OR GREATER SLOPES
TAKEN FROM THE NRCS WEB SOIL SURVEY, MAY 2015, MAP 3 & 10.

PLAN VIEW
SCALE: 1" = 50'

LEGEND

- EXISTING CONTOURS
- EXISTING TREELINE
- LIMIT OF SUBMISSION
- SOILS DELINEATION
- EXISTING PASSED PERCOLATION (1/9/84 OR 5/13/88)
- PASSED PERCOLATION (6/3/15)

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John M. Carney 3/7/16
PLAN PREPARER
JOHN M. CARNEY, P.E.
FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Patricia M. Rossman 3/7/2016
HOWARD COUNTY HEALTH OFFICER DATE

BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 315 & ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BE-CIVLENGINEERING.COM

Signed Per Cert 3/16/16

OWNER:
TODD AND LINDA ARTERBURN
5111 AVOCA AVENUE
ELLICOTT CITY, MARYLAND 21043
443-829-9224

DEVELOPER:
RAINMAKER DEVELOPMENT, INC
6755 BUSINESS PARKWAY STE. 103
ELKDRIDGE, MARYLAND 21075
443-829-9222

MILLERS MILL ROAD
PARCEL 2

TAX MAP: 14 GRID: 4 PARCEL: 76
COOKSVILLE, MARYLAND 21723
ELECTION DISTRICT NO. 4 - HOWARD COUNTY, MARYLAND

REVISED PERCOLATION CERTIFICATION PLAN

DATE: MARCH 2, 2016 BEI PROJECT NO. 2696
SCALE: AS SHOWN SHEET 1 OF 1

DESIGN: JMC DRAFT: EDD