



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 551453

AGENCY REVIEW: \_\_\_\_\_

DATE 5/8/15

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH unknown PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Clarence + Alberta McCullough

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 2101 Millers Mill Rd Cooksville MD 21723  
STREET CITY/TOWN STATE ZIP

APPLICANT Scott Arterburn For Rainmaker Development

DAYTIME PHONE 410-379-1525 CELL 443-829-9222 FAX 410-379-8351

MAILING ADDRESS 6755 Business Parkway Suite 103 Elkridge MD 21075  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Millers Mill Rd LOT NO. Parcel 1

PROPERTY ADDRESS Millers Mill Rd Cooksville, MD  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 14 GRID 04 PARCEL(S) 76 PROPOSED LOT SIZE A

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

Scott Arterburn  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AVP \_\_\_\_\_

#12  
Red Brown  
yellow  
SL  
4.5

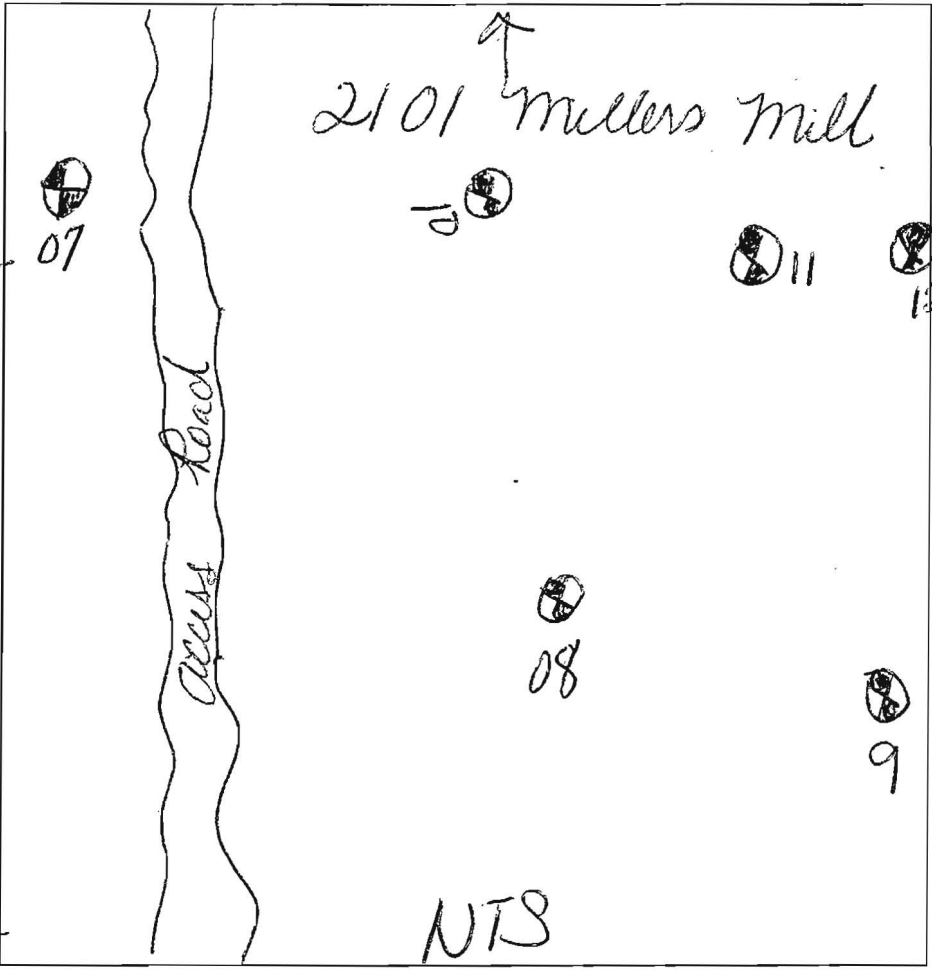
Red Brown  
yellow  
SL  
5-10%  
R4  
↓  
14'

#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  
Rock  
SL  
10-20%  
R4  
↓  
12'



#7  
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-6	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 SW \_\_\_\_\_

AJP

#P2

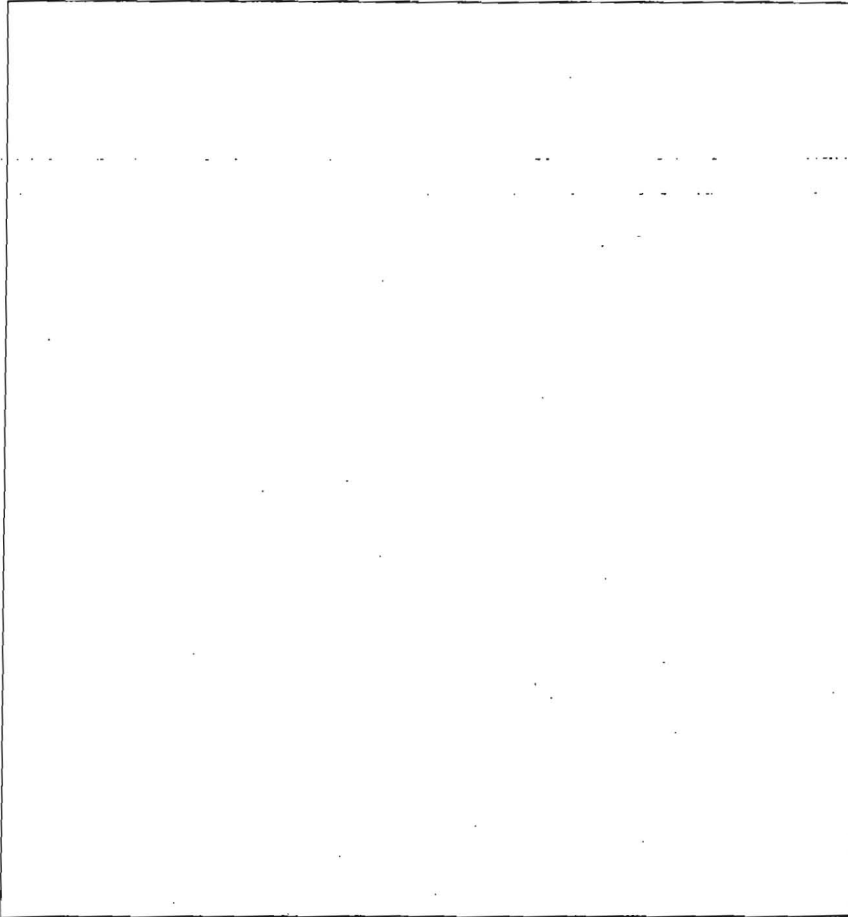
Red Brown  
yellow  
SL  
5-10%  
SL  
7'  
Red Brown  
yellow  
SL  
5-10%  
SL  
15'

#P4

Red Brown  
yellow  
SL  
6'  
Red Brown  
yellow  
SL  
Silty  
5-10%  
SL  
P3  
15'

P3

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	P2	7.5/15	11:29	11:33	11:43	10min	P
6-3-15	P4	7/35	11:39	11:45	11:56	11min	P
6-3-15	P3	7/14	12:00	12:03	12:11	8min	P
6-3-15	P6	5/15	12:37	12:44	12:51		P
6-3-15	P5	8/15	12:49	12:56	1:05	9min	P
6-3-15	P1	8/14.5	1:07	1:15	1:33	18min	P

REMARKS \_\_\_\_\_

SANITARIAN \_\_\_\_\_ BACKHOE \_\_\_\_\_ OTHERS \_\_\_\_\_

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

#P6

Red Brown  
yellow  
SL  
4'  
Red Brown  
yellow  
SL  
5-10%  
SL  
15'

P5

Red Brown  
yellow  
SL  
5-10%  
SL  
7'  
Red Brown  
yellow  
SL  
Silty  
SL  
15'

P-1

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

APPROXIMATE WELL LOCATION TO BE ABANDONED

2210  
DRY WELL? CO

NEW WELL LOCATION

2218  
APPROXIMATE WELL LOCATION

PARCEL 3  
EXISTING 2.12 AC.  
PROPOSED 2.27 AC.

PROPOSED DWELLING

24' INGRESS & EGRESS EASEMENT FOR THE BENEFIT OF PARCEL Nos. 1 AND 3 30' BRL

EX. SHED

APPROXIMATE LOCATION OF SEPTIC AREA  
SEPTIC RESERVE AREA  
10,201 SF

30' BRL  
EX. P8

SEPTIC RESERVE AREA  
10,059 SF

PARCEL 1  
EXISTING 4.04 AC.  
PROPOSED 3.88 AC.

PROPOSED DWELLING

N/F  
EDWARD M. ARTER  
TAX MAR 14 PARCEL 27  
LIBER 746 FOLIO 651  
ZONED:

APPROXIMATE 100 YEAR FLOODPLAIN LIMITS

35' ENVIRONMENTAL SET BACK

60' BRL

*Perf cert signed 7/27/14 - original in file for parcel 2*

N/F

560

DRY-WELL?

3124 well

3123

3122

3120

3121

3128

3127

3129 well

3125

3126

P2 580.4

P4 573.9

P3 580.8

P6 573.6

P1 593.9

P5 589.4

P3 580.8

P6 573.6

P2 580.4

P4 573.9

P3 580.8

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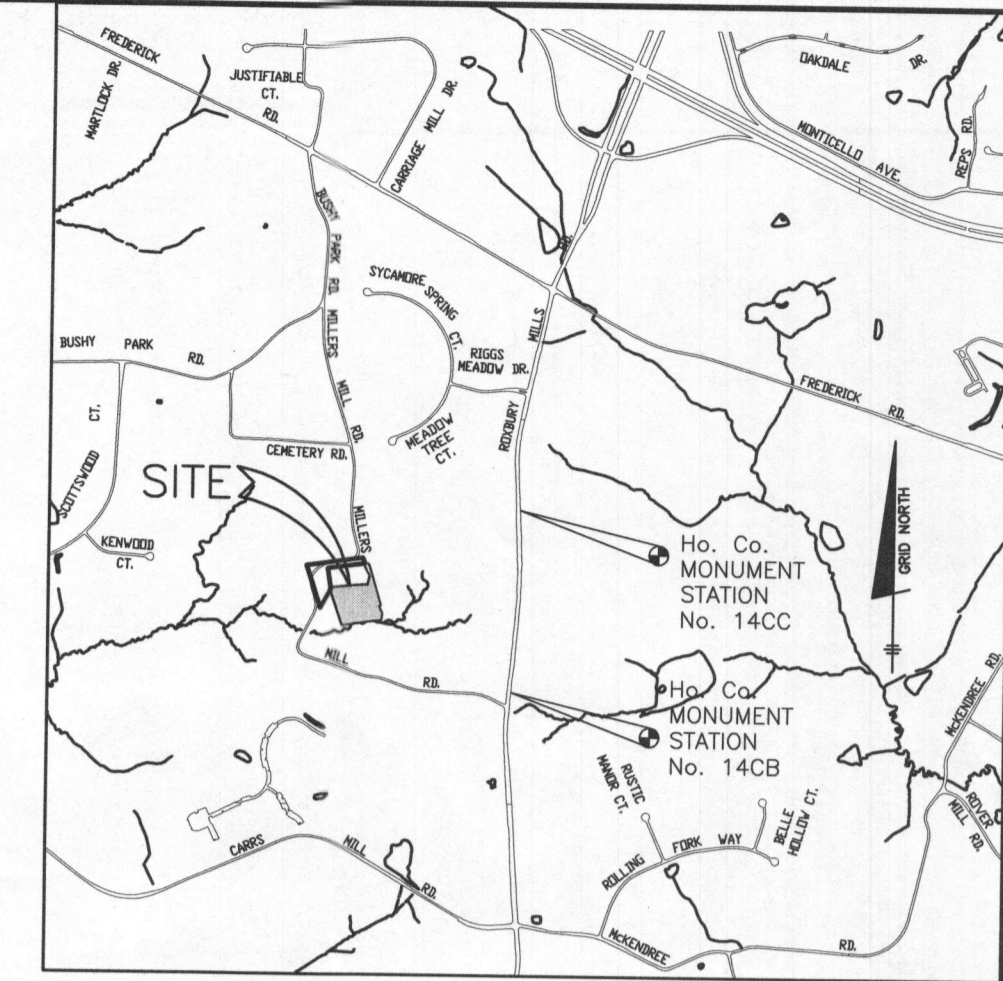
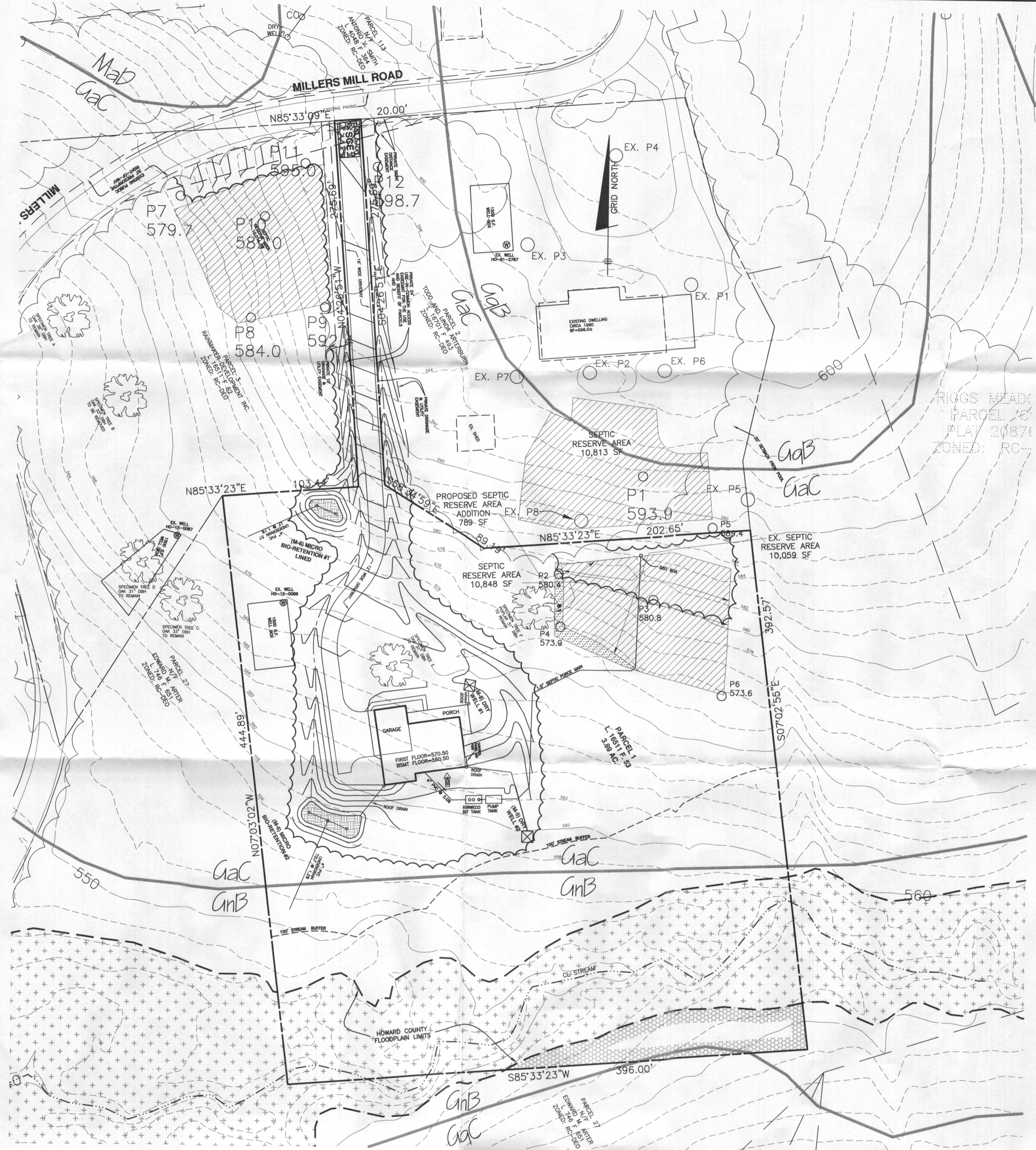
P6 573.6

P2 580.4

P4 573.9

P3 580.8

P6 573.6



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

BENCHMARK INFORMATION NAD83	
Ho. Co. STATION 14CB STAMPED DISC SET ON TOP OF CONCRETE COLUMN 3.2' EAST OF THE EDGE OF PAVING OF MD ROUTE 97 AND 92.7' SOUTH OF B&O POLE No. 18 528413/C&P POLE No. 18 NORTHING: 598079.769' EASTING: 1306428.226' ELEVATION: 590.999'	Ho. Co. STATION 14CC 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: 599950.258' EASTING: 1306517.766' 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 LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THIS LOT 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 A556453 FOR PARCEL 1.
- THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION IS TO RECONFIGURE AN APPROVED PRIVATE SEWERAGE EASEMENT DUE TO TRENCH LENGTH 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 53.
- THIS PLAN SHOWS A RECONFIGURATION OF THE SEPTIC FOR PARCEL 1 DUE TO THE PROPOSED TRENCH REQUIREMENTS IN ACCORDANCE WITH THE BAT SITE PLAN SUBMITTED TO THE HEALTH DEPARTMENT.

PLAN VIEW  
SCALE: 1" = 50'

LEGEND	
	EXISTING CONTOURS
	EXISTING TREELINE
	LIMIT OF SUBMISSION
	SOILS DELINEATION
	EXISTING PASSED PERCOLATION (1/8/84 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*  
PLAN PREPARER  
JOHN M. CARNEY, P.E.  
FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Monica Rossman* 5/26/2016  
HOWARD COUNTY HEALTH OFFICER DATE

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.

**BENCHMARK ENGINEERING, INC.**  
ENGINEERS & LAND SURVEYORS & PLANNERS  
8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELLICOTT CITY, MARYLAND 21043  
(P) 410-485-8105 (F) 410-485-8644  
WWW.BEI-CIVILENGINEERING.COM

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

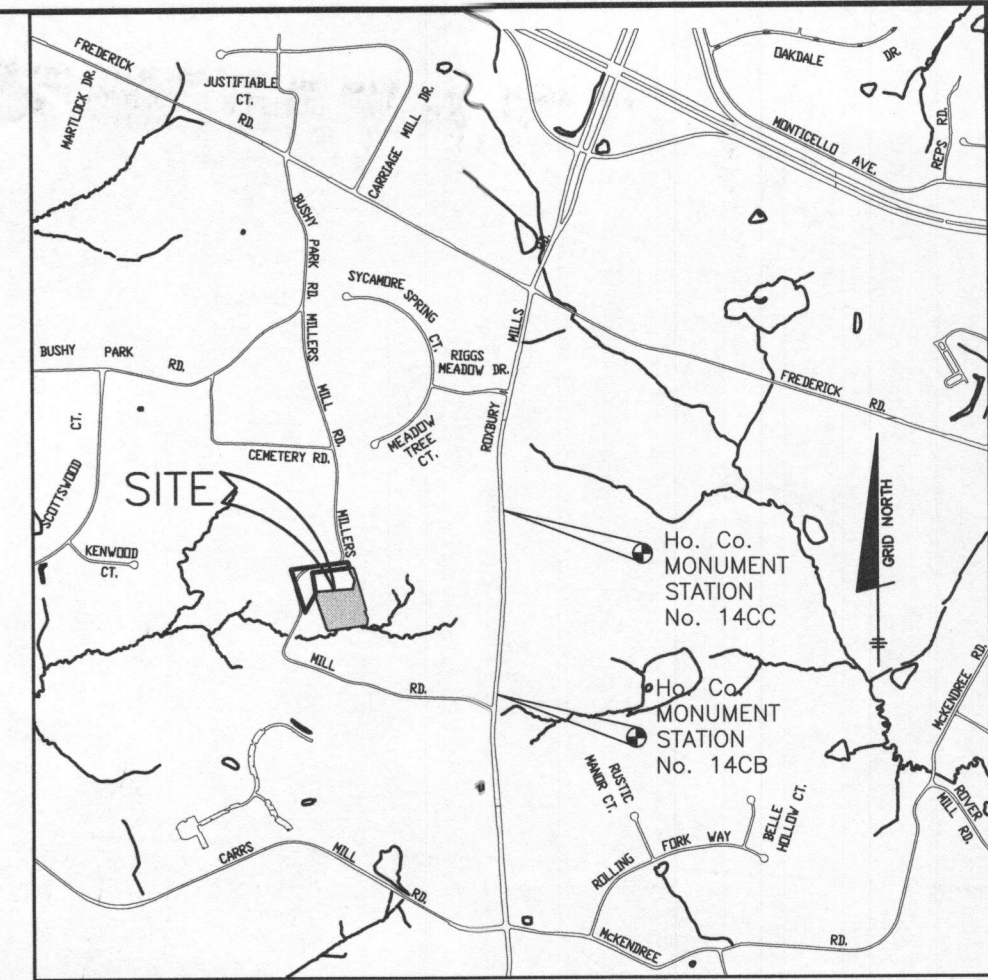
DEVELOPER:  
RAINMAKER DEVELOPMENT, INC  
6755 BUSINESS PARKWAY STE. 103  
ELKRIDGE, MARYLAND 21075  
443-829-9222

**MILLERS MILL ROAD**  
PARCEL 1  
TAX MAP: 14 GRID: 4 PARCEL: 76  
2121 MILLERS MILL ROAD  
COOKSVILLE, MARYLAND 21723  
ELECTION DISTRICT NO. 4 - HOWARD COUNTY, MARYLAND

**REVISED PERCOLATION CERTIFICATION PLAN**

DATE: MAY 16, 2016 BEI PROJECT NO. 2696

DESIGN: JMC DRAFT: JMC SCALE: AS SHOWN SHEET 1 OF 1



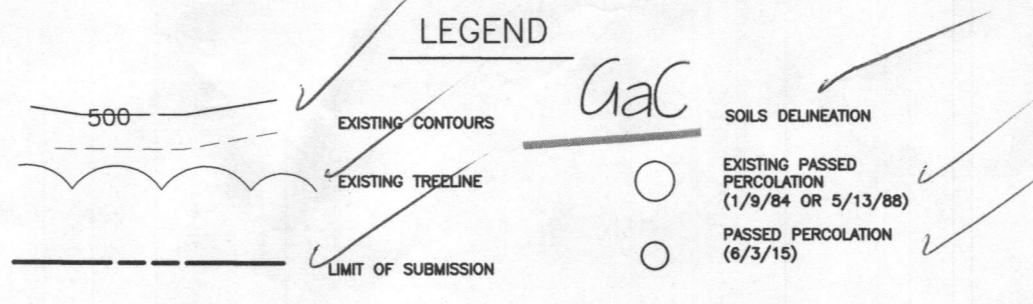
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SCALE: 1" = 2000'

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PLAN VIEW  
SCALE: 1" = 50'



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TAKEN FROM THE NRCS WEB SOIL SURVEY, MAY 2015, MAP 3 & 10.

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PLAN PREPARER  
JOHN M. CARNEY, P.E.  
FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR MAINTENANCE  
HOWARD COUNTY HEALTH OFFICER  
DATE: 5/26/2016

**BENCHMARK**  
ENGINEERS & LAND SURVEYORS & PLANNERS  
**ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE & SUITE 315 • ELICOTT CITY, MARYLAND 21043  
(P) 410-485-8105 (F) 410-485-8644  
WWW.BEI-CIVILENGINEERING.COM

**MILLERS MILL ROAD**  
PARCEL 1

TAX MAP: 14 GRID: 4 PARCEL: 76  
2121 MILLERS MILL ROAD  
COCKSCVILLE, MARYLAND 21223  
ELECTION DISTRICT NO. 4 - HOWARD COUNTY, MARYLAND

**REVISED PERCOLATION CERTIFICATION PLAN**

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

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

DATE: MAY 16, 2016 BEI PROJECT NO. 2696

SCALE: AS SHOWN SHEET 1 OF 1

DESIGN: JMC DRAFT: JMC