

VICINITY MAP
SCALE 1"=2000'
ADC MAP COORDINATES 19 C-4

- BAT SITE PLAN NOTES**
- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
 - THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 4.0 FEET.
 - THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
 - THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
 - THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
 - WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
 - ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.
 - THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

INITIAL SYSTEM CALCULATIONS

DESIGN FLOW
4 BEDROOMS AT 150 gpd PER BEDROOM = 600 gpd

APPLICATION RATE = 0.8

SQUARE FOOTAGE OF DRAINFIELD REQUIRED = DESIGN FLOW / APPLICATION RATE = 600 / 0.8 = 750 SQ.FT.

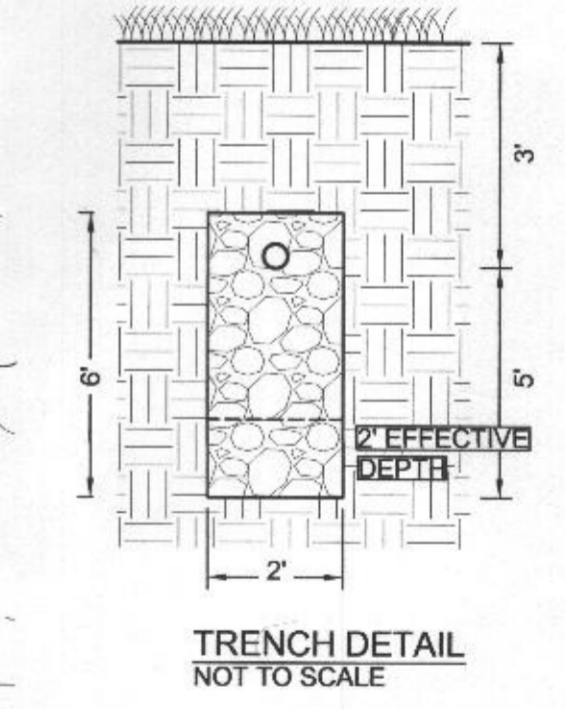
TRENCH WIDTH = 2'; D = (8'-5"=3')

SIDEWALL REDUCTION CREDIT = 0.44

LINEAR LENGTH OF TRENCH REQUIRED = 750 SQ.FT. X 0.44 / 2' = 165'

PROVIDE 2 TRENCHES OF 82.5 FEET IN LENGTH FOR THE INITIAL SYSTEM

TRENCH INFO				
TRENCH	TRENCH LENGTH	GROUND @ TRENCH	INV. INTO TRENCH	BOTTOM OF TRENCH
1	82.5	508.20	505.20	500.20
2	82.5	507.00	504.00	499.00



Approved Septic System Plan
Howard County Health Department
Donald 11-25-15
Signature Date



- LEGEND**
- FENCE LINE
 - SUBJECT BOUNDARY
 - ADJOINING BOUNDARY
 - EX. MINOR CONTOURS
 - EX. MAJOR CONTOURS
 - PASSED PERCOLATION TEST
 - PROPOSED CONTOURS
 - STRUCTURE/PAVING TO BE DEMOLISHED
 - DISCONNECTION OF NON-ROOFTOP RUNOFF
 - PROP. WATER LINE
 - PROP. SANITARY LINE
 - SOIL LINE
 - PRIVATE SEPTIC AREA (10,000 SF)
 - EXISTING TREELINE
 - SPECIMEN TREE
 - EX. STREAM
 - 100' STREAM BUFFER
 - WETLAND LIMITS
 - 25' WETLAND BUFFER
 - DISCONNECTION OF ROOFTOP RUNOFF
 - 60-gallon RAIN BARREL

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS EASEMENT ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

REVISIONS	
5/17/15	REVISE BAT MODEL
11/17/15	REVISE LOCATION OF SEPTIC TANK, HOUSE FOOTPRINT

OWNER/DEVELOPER
Kevin Son
2830 Marriottsville Road
Marriottsville, MD 21104
(240) 731-0792

MOBIO TECHNOLOGIES, INC.
6755 BUSINESS PARKWAY
SUITE 209
ELK RIDGE, MD 21075
(410) 988-2061

Site Plan for BAT Installation
SON PROPERTY
2830 MARIOTTVILLE ROAD
RECORDED IN LIBER 14790, FOLIO 473
3rd ELECTION DIST. HOWARD COUNTY, MARYLAND
ZONING RC-DEO TAX MAP - 16 GRID - 16 PARCEL - 47
TAX ID #03-293718

SCALE: 1" = 40' JOB NO.: 13111 DATE: Sept. 2, 2014 SHEET: 1 OF 2



