

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: 5/1/2014 **ONSITE SEWAGE DISPOSAL SYSTEM**

P _____

INSTALLATION
 APPROVAL DATE: 9/5/2014

**PERMIT
 CONSTRUCTION**

A _____

PROPERTY ADDRESS: 6802 Owings Overlook

SUBDIVISION: Owings Property LOT: 21 TAX ID: 05-594998

CONTRACTOR: Fogle's Septic Clean Inc. EMAIL: kurt@foglesinc.com

CONTRACTOR ADDRESS: 580 Obrecht Road, Sykesville, MD 21784 PHONE: 410-795-5670

PROPERTY OWNER: _____ EMAIL: _____

OWNER ADDRESS: Steuart -Kret Homes PHONE: 410-312-5163
7090 Samuel Morse Drive, Columbia, MD 21046

BAT UNIT MODEL: Advantex AX 20 Mode 3a BAT UNIT SIZE: _____

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. _____ APPLICATION RATE: _____

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>See Bat Plan</u>	INLET DEPTH: <u>See Bat Plan</u>
	TRENCH WIDTH: <u>See Bat Plan</u>	MAXIMUM BOTTOM DEPTH: <u>See Bat Plan</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>See Bat Plan</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>See Bat Plan</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set BAT unit per plan.	

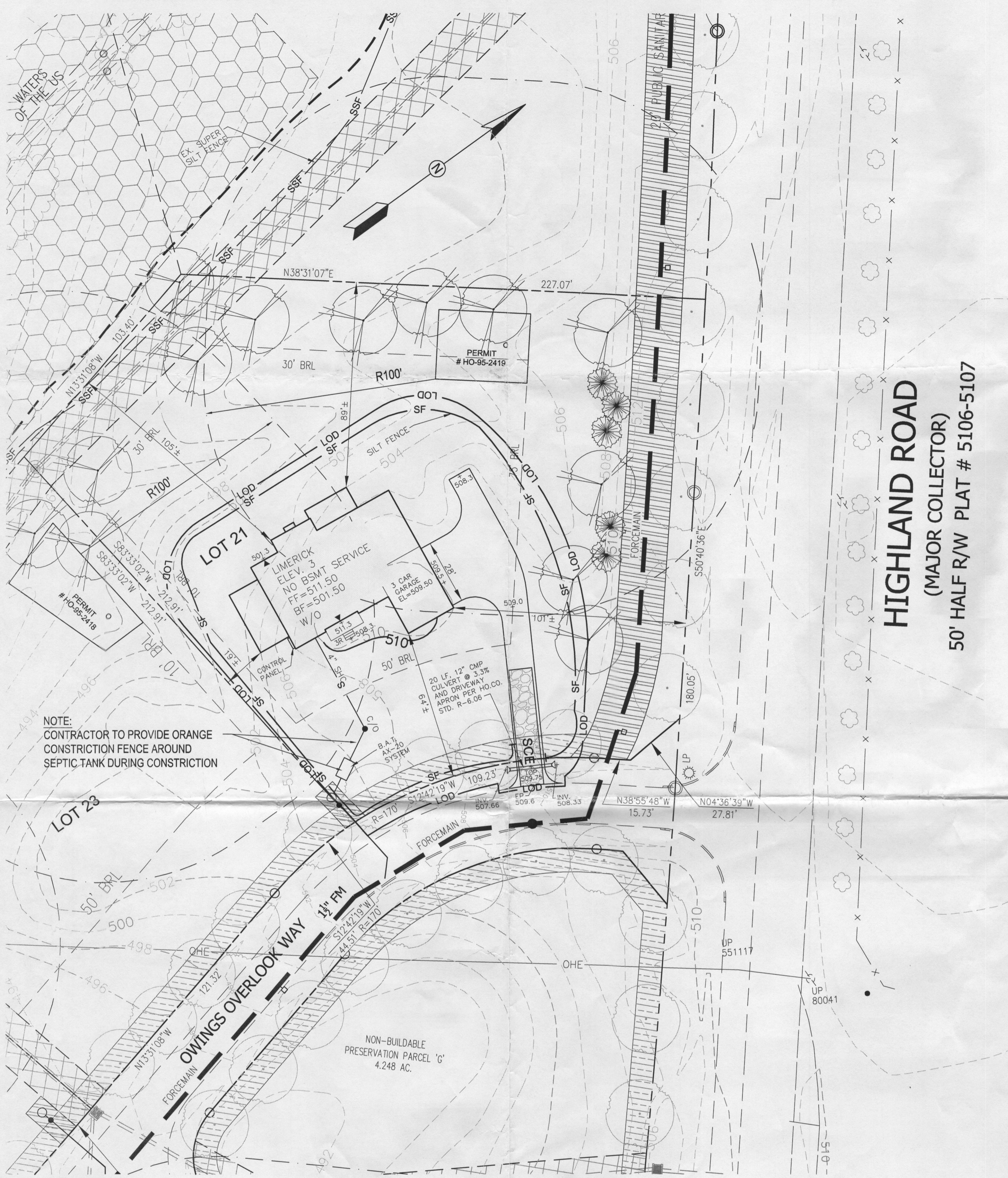
ISSUED BY: Robert Bricker ISSUE DATE: _____ EXPIRATION DATE: _____

- 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
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

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 TO SCHEDULE INSPECTIONS.



SITE PLAN
SCALE: 1"=30'

ELEVATION		
HOUSE	GROUND OVER INVERT OUT	509.75
	INV. OUT	504.30
BAT AX-20 SYSTEM	GROUND OVER BAT SYSTEM	505.50
	INV. IN	501.83
	INV. OUT	502.92
PUMP	INV. IN	502.50
	INV. OUT	502.40
AT FORCEMAIN	INV. IN	501.84

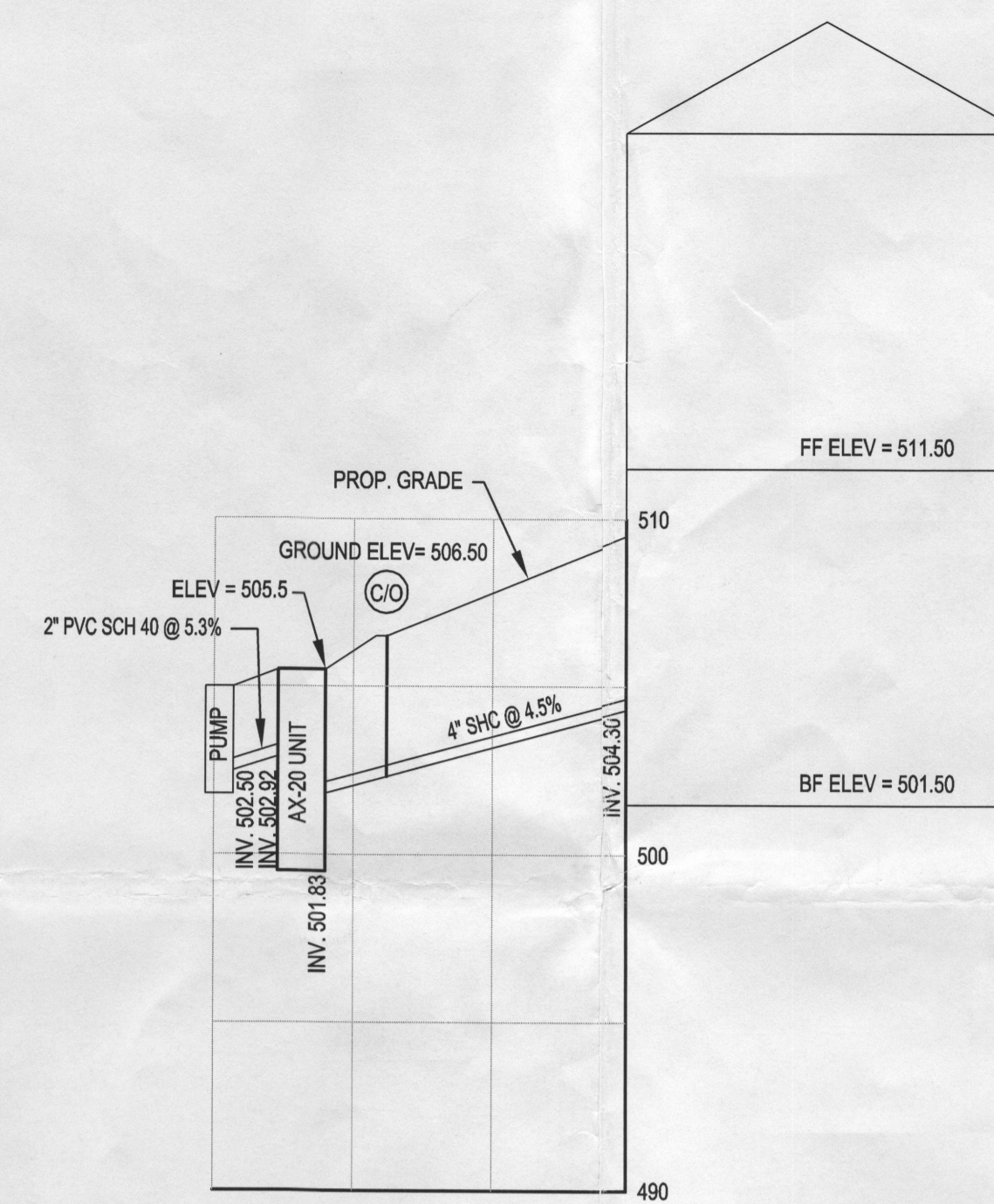
NOTE: BASEMENT WILL NOT DRAIN BY GRAVITY

ADDITIONAL INFORMATION	
VOLUME OF SHARED SYSTEM GRINDER BELOW ALARM LEVEL	70 GAL
DOSE VOLUME FROM AX-20 DISCHARGE CHAMBER	32 GAL

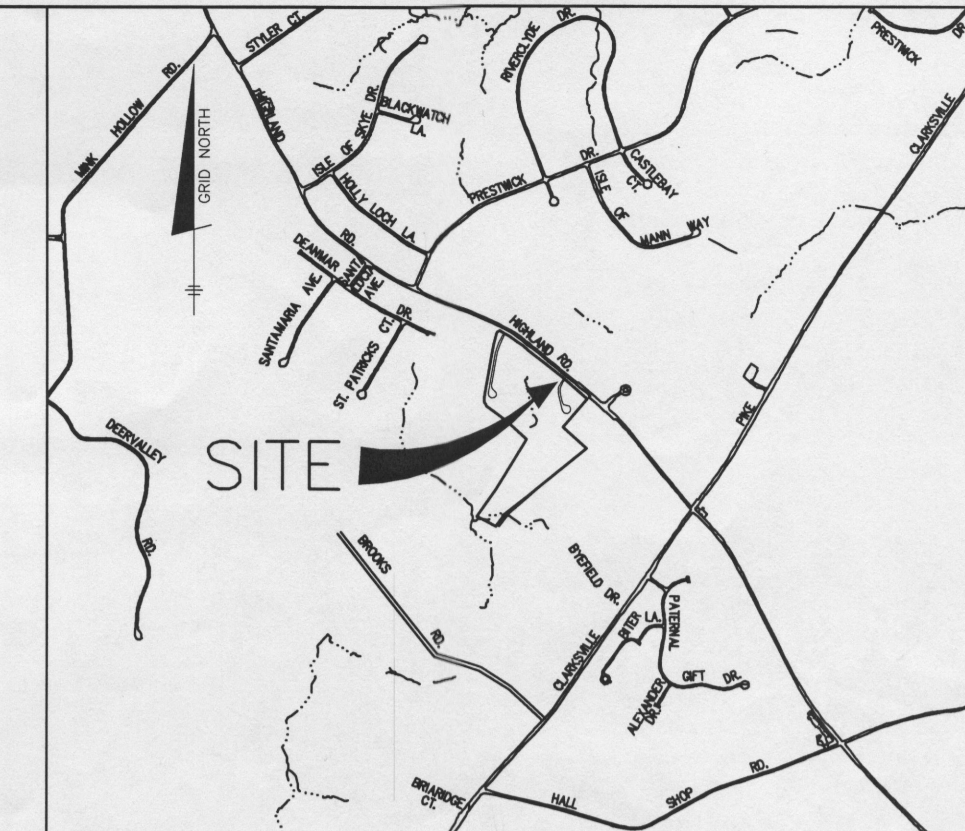
HIGHLAND ROAD
(MAJOR COLLECTOR)
50' HALF R/W PLAT # 5106-5107

REQUIRED 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 AND CONCRETE TANK PER THE MANUFACTURER'S SPECIFICATION IS 8 FEET. EXCAVATE A MINIMUM OF 2.0' OUT LATERALLY FROM ALL SIDES OF CONCRETE TANK.
- FIBER GLASS TREATMENT TANK WILL BE FLUSH WITH EXISTING/PROPOSED GRADE.
- BAT SYSTEM WILL COMPLY WITH ALL MAUNFACTURER GUIDELINES AND REQUIREMENTS.
- 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. (SEE LOCAL DISTRIBUTOR ABOVE)
- WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (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.

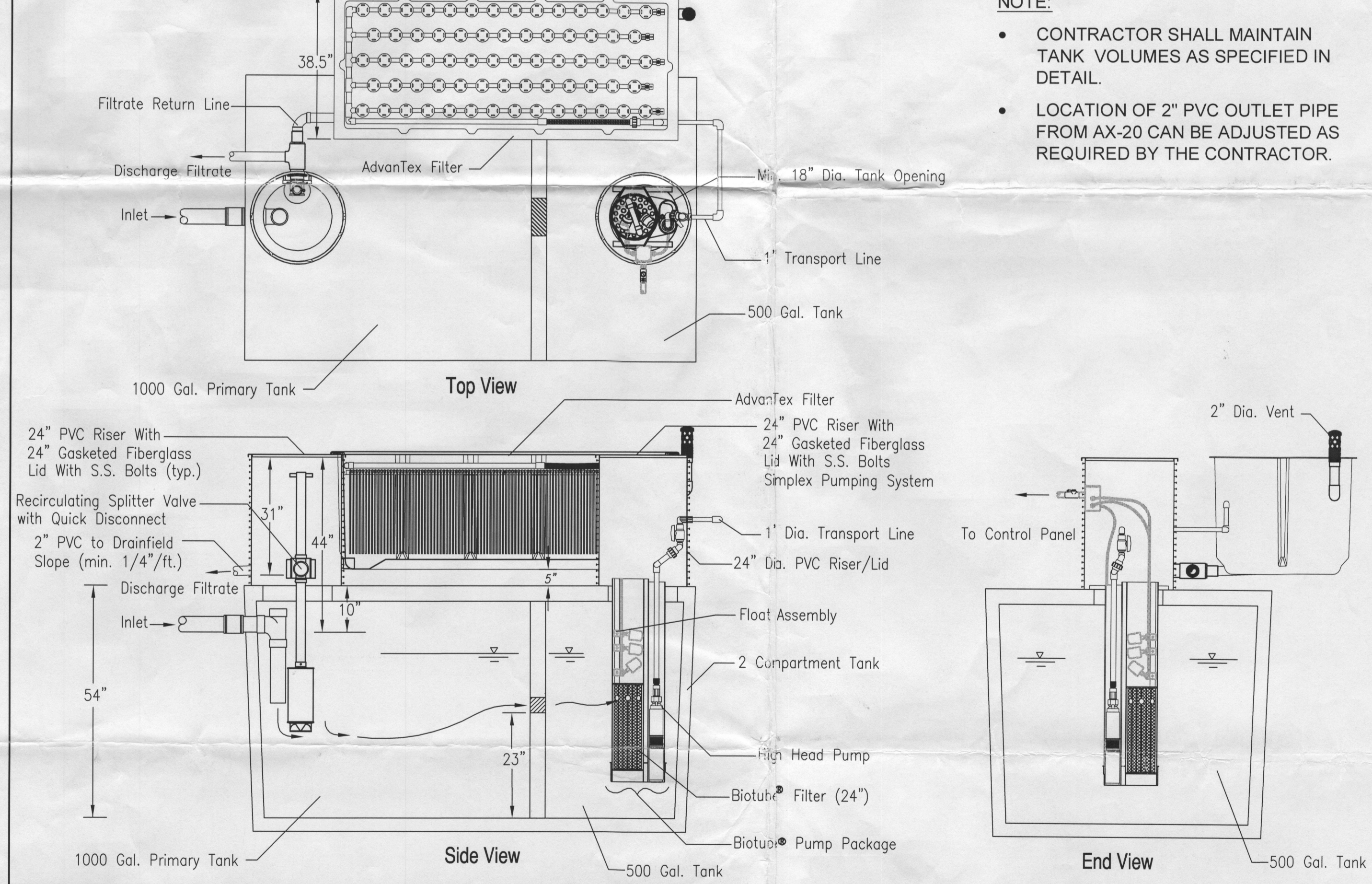


SHC PROFILE
SCALE:
1"=30' (H), 1"=5' (V)



VICINITY MAP
MAP# 5051, GRID: F-1
SCALE: 1" = 2000'

AdvanTex™ Treatment System
AX 20 Series - Mode 3a



- NOTE:**
- CONTRACTOR SHALL MAINTAIN TANK VOLUMES AS SPECIFIED IN DETAIL.
 - LOCATION OF 2" PVC OUTLET PIPE FROM AX-20 CAN BE ADJUSTED AS REQUIRED BY THE CONTRACTOR.

Title:	AdvanTex™ - AX 20 Mode 3A
Drawn By:	CMS JORDAN
Designed By:	ENGINEERING
Drawn:	1/01/14
Approved By:	1/15/14
Date Approved:	2/0
Scale:	1" = 2'-0"

APPROVED: FOR BEST AVAILABLE TECHNOLOGY (BAT) SYSTEM INSTALLATION ON LOT 21

HOWARD COUNTY HEALTH DEPARTMENT

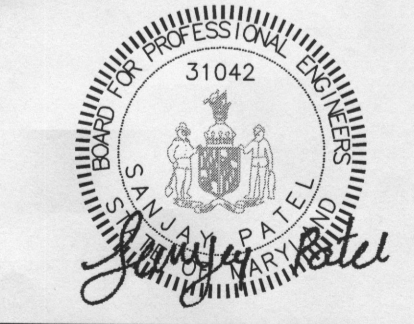
DELEGATED APPROVING AUTHORITY _____ DATE _____

GENERAL NOTES (LOT 21):

- STORMWATER MANAGEMENT IS PROVIDED IN THE MD-378 POND, BUILT UNDER F-06-112.
- THE EXISTING WELL, TAG NO. HO-95-2419 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- REFER TO CONTRACT DRAWINGS 50-4436-D FOR SEWER FORCE MAIN AND SHARED SEPTIC FIELD THAT SERVES THIS LOT.
- REFER TO GP-13-085 FOR ALL EROSION & SEDIMENT CONTROL MEASURES.
- TOTAL DISTURBED AREA: 23,300 SF
- THE DESIGN OF THE RESIDENCE PROPOSED FOR THIS LOT INCLUDES 5 BEDROOMS. DUE TO THE LIMITATIONS OF THE SHARED-(SEPTIC) SYSTEM AND THE SEWAGE DISPOSAL AREA, NO BEDROOMS MAY BE ADDED TO THIS RESIDENCE.

PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31042 EXPIRATION DATE: 02/18/15"



OWNER / DEVELOPER:
SK HOMES AT HIGHLAND OWINGS, LLC
7090 SAMUEL MORSE DRIVE
SUITE 500
COLUMBIA, MD 21046
301-870-5603

AB CONSULTANTS, INC.
9450 ANNAPOLIS ROAD
LANHAM, MARYLAND 20706
PHONE: (301) 306-3091
FAX: (301) 306-3092

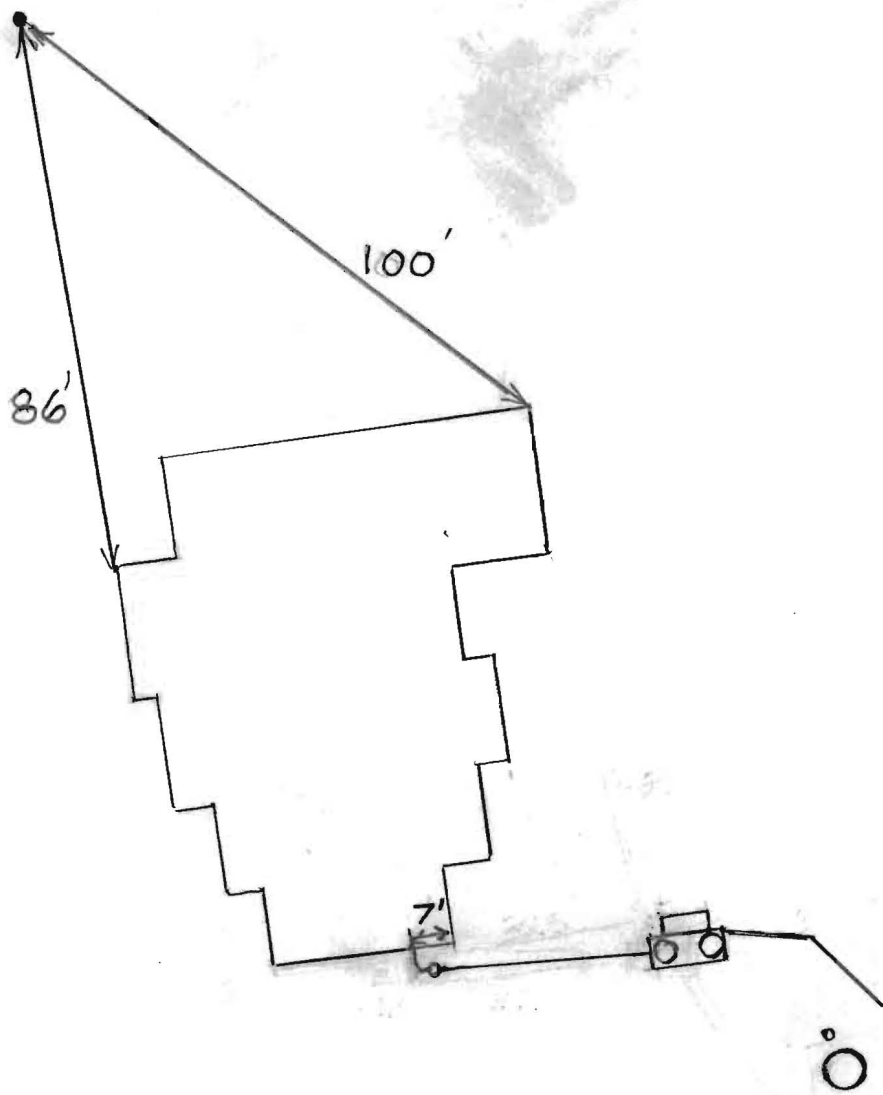
SITE PLAN FOR BAT INSTALLATION
OWINGS PROPERTY, LOT 5
LOTS 21
6802 OWINGS OVERLOOK WAY, HIGHLAND, MD 20777
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND.

CONTACT: SANJAY PATEL PHONE: (301)-306-3091 x121

PROJECT

PROJECT NO.	2011200.04
SCALE:	AS SHOWN
DATE:	04/16/2014
DRAWN BY:	HRP
CHECKED BY:	SBP
SHEET:	1-1

HO-95-2416 NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-2.5'
BAFFLES	Front
BAFFLE FILTER	Rear
MANHOLE LOC	Front + Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	Yes
DATE ON LID	Dry
BAFFLE TANK LEVEL	Yes
MANUFACTURER	Advantex
CAPACITY	500 GAL
SEAM LOC	N/A
TANK LID DEPTH	Above Grade
BAFFLES	N/A
BAFFLE FILTER	N/A
MANHOLE LOC	None
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	N/A

PRE-CONSTRUCTION:

8/19/2014 Layout done. (BB)

INSTALLATION:

8/16/2014 No work done. (BB)

8/20/2014 Tank and Advantex unit set. House connection made. (BB)

8/21/2014 Connection from Advantex to grinder pit made. (BB)

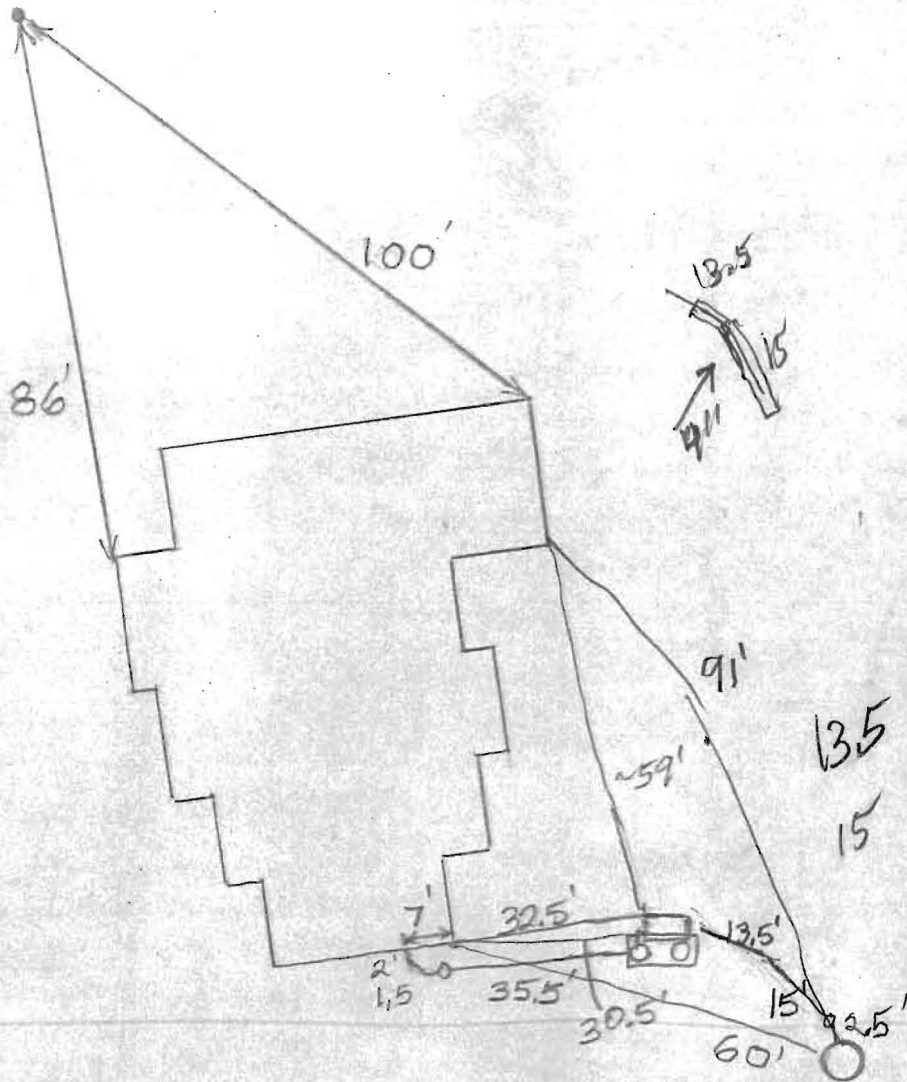
8/28/2014 Received approval from utilities. Still need approval letter from Advantex. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 9/5/2014

H0-95-2416

NOT TO SCALE



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH _____ INLET _____ BOTTOM _____

NUMBER OF TRENCHES _____

TOTAL LENGTH _____

ABSORPTION AREA _____

DISTRIBUTION BOX LEVEL _____

DISTRIBUTION BOX BAFFLE _____

DISTRIBUTION BOX PORT _____

SEPTIC TANK DATA

SEPTIC TANK I LEVEL Yes

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 1'-2.5'

BAFFLES Front

~~BAFFLE~~ FILTER Rear

MANHOLE LOC Front + Rear

6" PORT LOC None

WATERTIGHT TEST No

SLOTTED Yes

DATE ON LID Dry

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:

8/19/2014 Layout done (BB)

INSTALLATION:

8/16/2014 Network done (BB)
8/20/2014 Tank and advantex unit set. House connection made (BB)

FINAL INSPECTOR _____

DATE OF APPROVAL _____



Atlantic Solutions, Ltd
512 Shaw Ct.
Severn, MD 21144

Phone: (877)814-8426
Fax: (401)293-0178
Email: Service@septicssystems.net

September 2, 2014

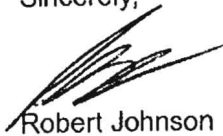
Environmental Health Specialist Supervisor
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045

Re: 6802 Ownings Overlook Place. Highland, MD 20777

Dear Sharhonda:

The septic system at 6802 Ownings Overlook Place, was started on September 2, 2014. The system is operating as it is designed and is ready for use.

Sincerely,



Robert Johnson
Vice President