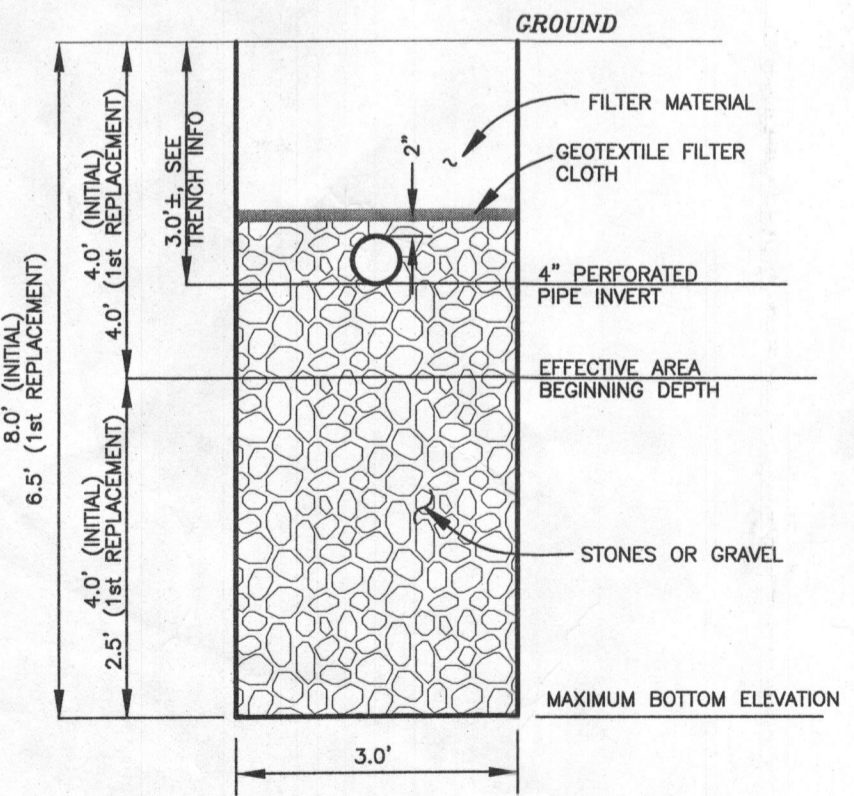


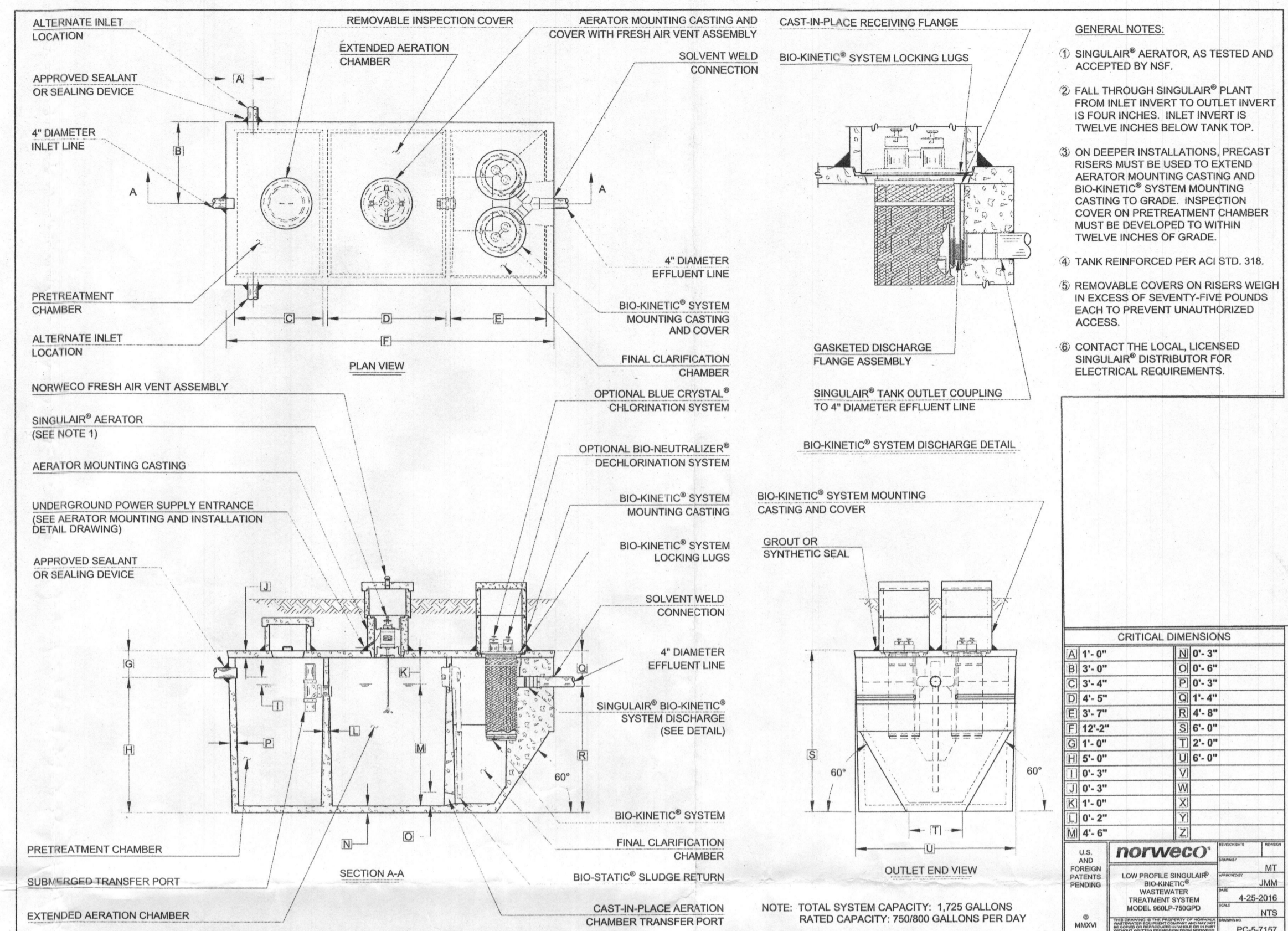
TRENCH INFORMATION

TRENCH	LENGTH	GROUND ELEVATION	INVERT ELEVATION	MAX. BOTTOM ELEV.
TRENCH 1-1	52 LF	417.0	413.0	409.0
TRENCH 1-2	52 LF	415.9	411.9	407.9
TRENCH 2-1	46.3 LF	414.2	410.2	407.7
TRENCH 2-2	46.3 LF	412.9	408.9	406.4
TRENCH 2-3	46.3 LF	411.4	407.4	404.9



INITIAL SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	4	ft
Bottom Max Depth	8	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall reduction credit	0.42	
Trench width	3	
Effective Area Depth	4	
Linear Length of trench Required	104	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	4	ft
Bottom Max Depth	6.5	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall reduction credit	0.56	
Trench width	3	
Effective Area Depth	2.5	
Linear Length of trench Required	139	lf



- 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 shall be per the manufacturer's specification, 3.0'.
 - The blower may not be located further from the tank than the manufacturer's specifications, 75'.
 - 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.

SEE MANUFACTURE SPECIFICATIONS FOR DETAILS. WWW.NORWECO.COM

BENCHMARK ENGINEERING, INC.
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
BEI@BEI-CIVILENGINEERING.COM

SIGNATURE AND SEAL ARE FOR PROFILE ONLY:
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06-08-2018.

REGAN PROPERTY LOT 7
12345 POINT RIDGE DRIVE
HIGHLAND, MD 20777
TAX MAP No. 34 - BLOCK No. 24 - PARCEL No. 200
5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TAX ID NUMBER: 05 597440

BAT PROFILE & DETAILS
HOUSE TYPE: ASHBROOKE-ELEVATION 'J'
DATE: JULY, 2016 PROJECT NO. 2171
SCALE: AS NOTED DRAWING 2 OF 2