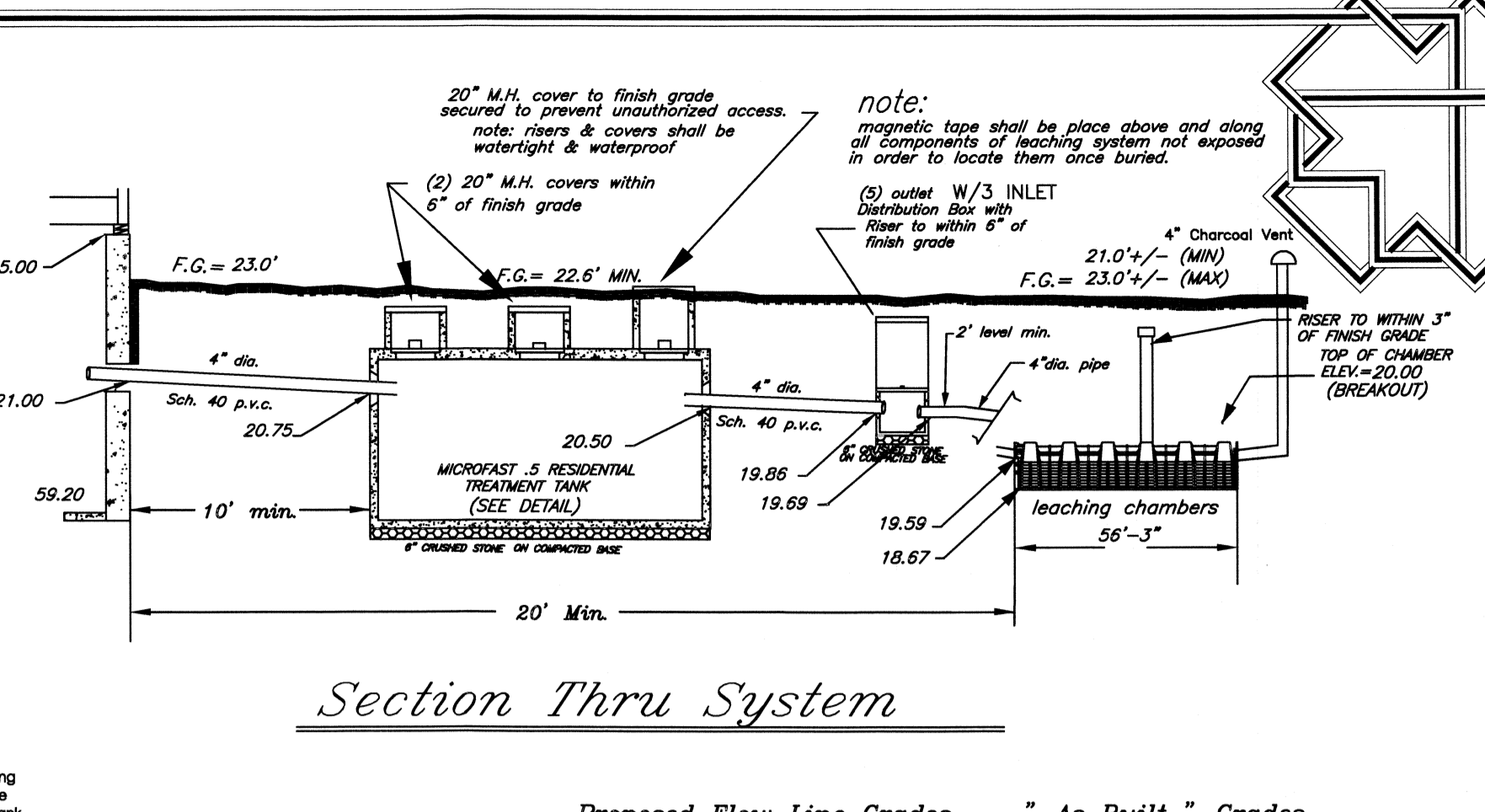
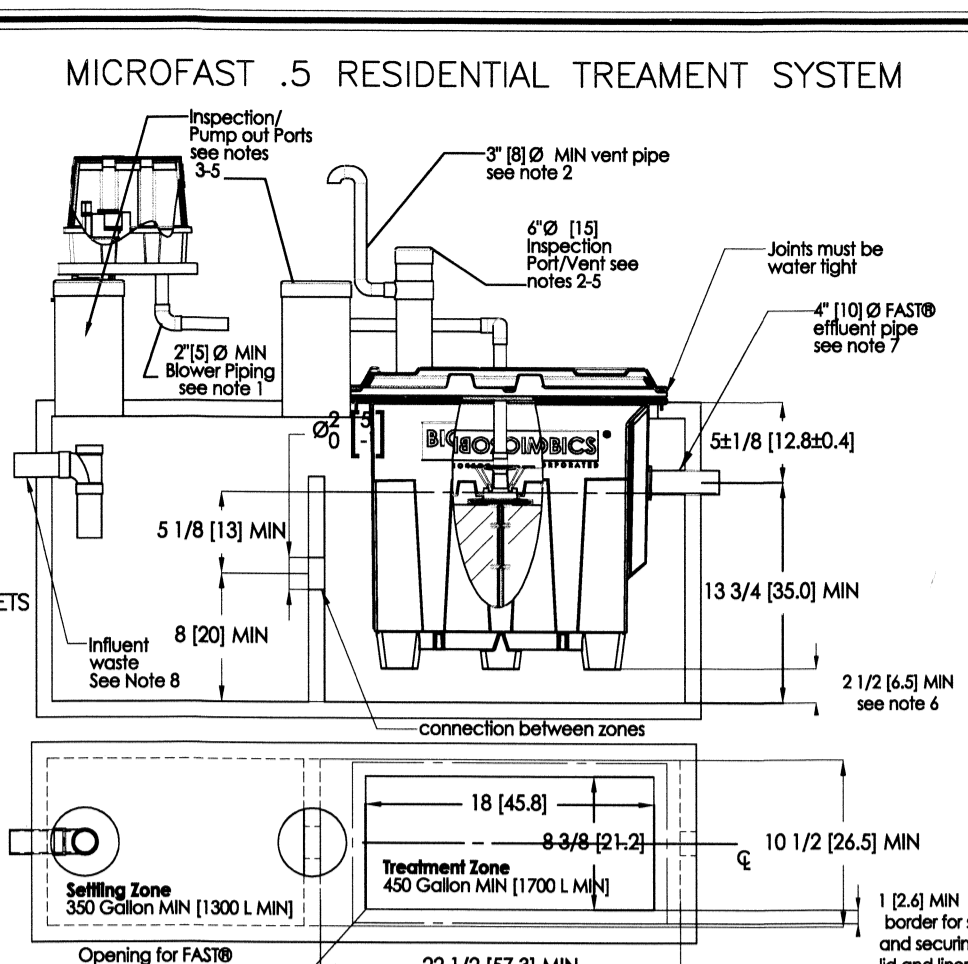
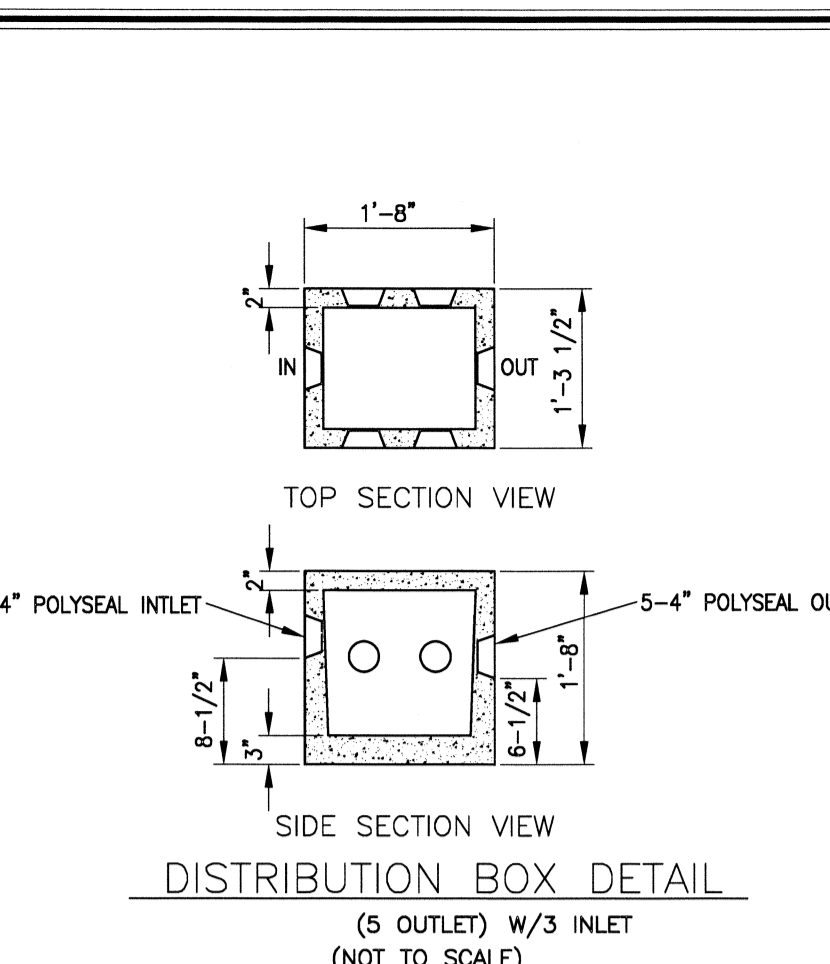
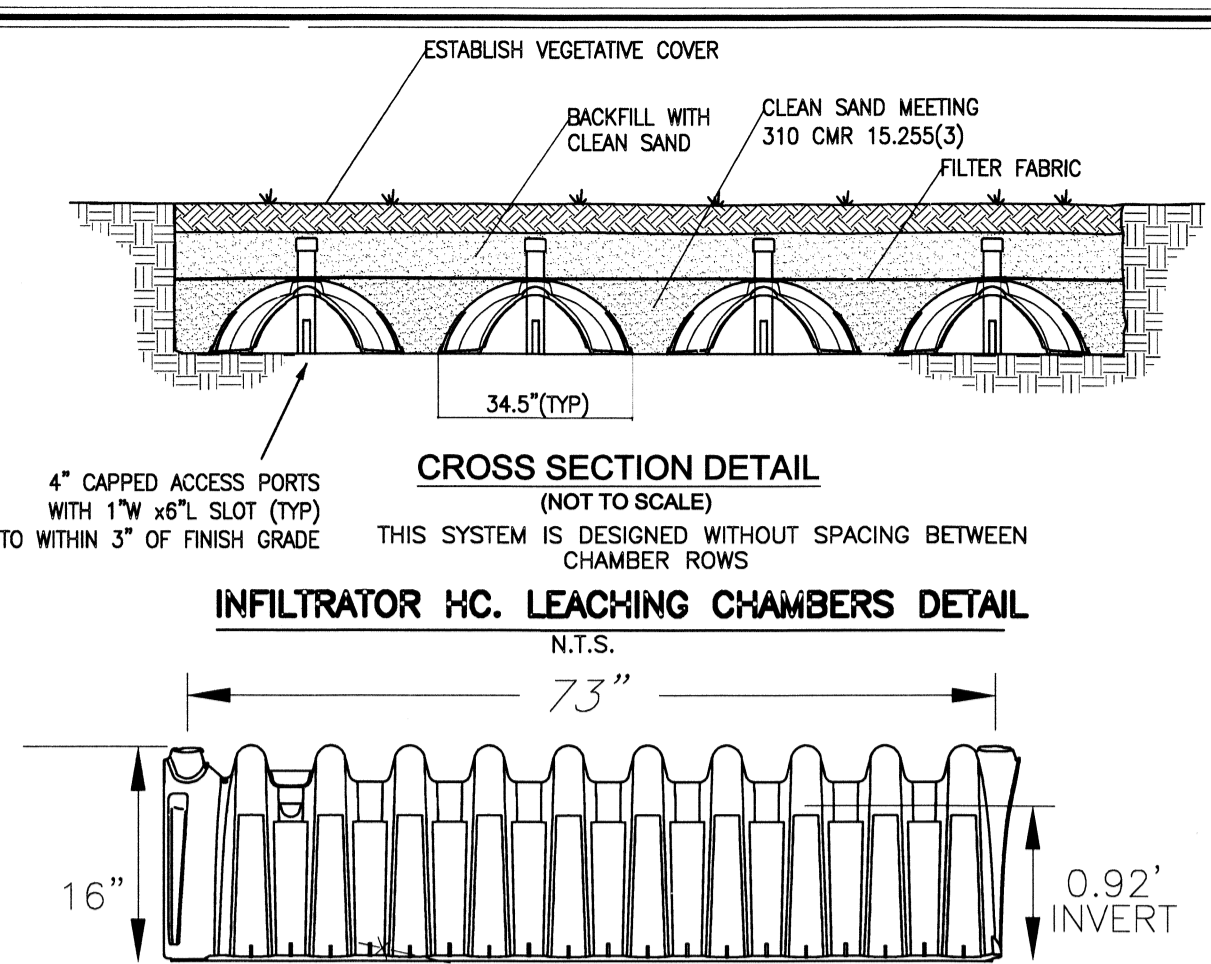
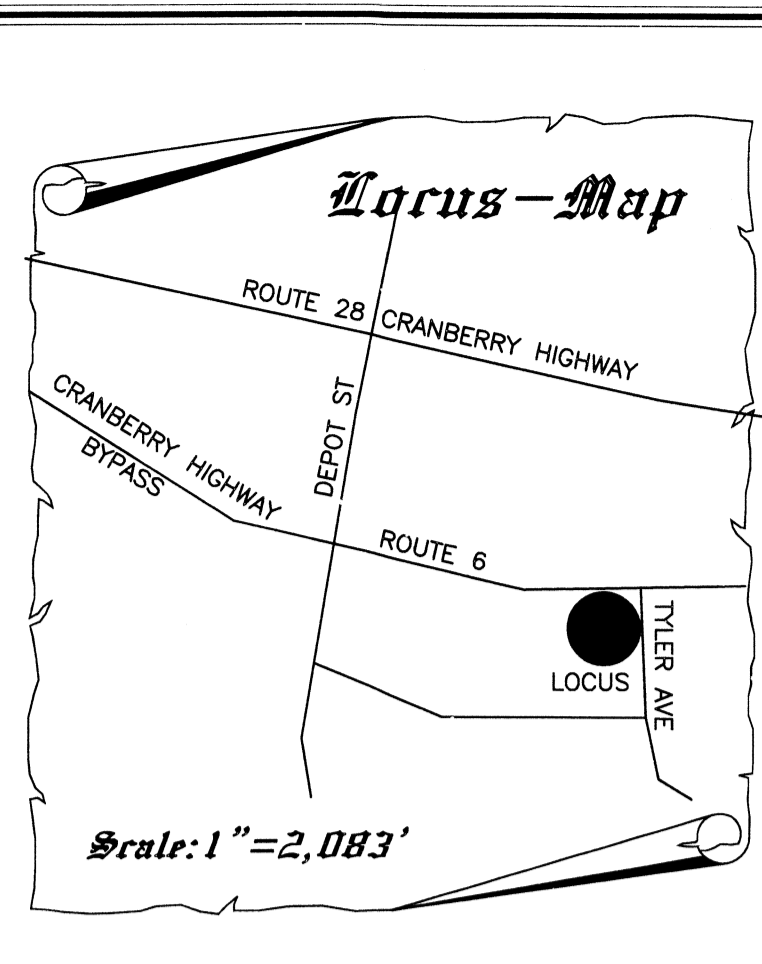


Underground Septic Tanks & Pump Chambers

- 1.) Tanks shall be structurally sound and to withstand the super imposed loads.
2.) Tanks shall be watertight and waterproof.
3.) Tanks shall be pre cast concrete, or approved equivalents.
4.) Manufacturers of septic tanks shall implement a quality control/ quality assurance program in conformity with ASTM standard C-1227-92.
5.) Tanks shall be accessible for inspection and maintenance.
6.) Inlet and outlet tees shall be of cast iron, schedule 40 pvc, or approved equal.
7.) Septic tanks shall be provided with at least three (3) 20" diameter manholes.



Section Thru System

Table with 2 columns: Proposed Flow Line Grades and As Built Grades. Rows include Inlet at Foundation, Inlet into Septic Tank, Inlet out of Septic Tank, Inlet into Distribution Box, Inlet out of Distribution Box, Inlet into Chamber Bed, Inlet into Chamber Bed, and Water Table.

Soil logs for T.P. 1 and T.P. 2. Each log shows depth intervals (10', 16', 120') and soil types such as Sandy loam, Loamy sand, and Fine sand.

Soil Logs section including Percolation Rate of <= 2 Minutes/Inch Present During Tests On 6/1/20 and Soil Evaluator: JOSEPH E. WEBBY.

Design Calculations section showing Number of Bedrooms = 3, Required GPD = 990 gal, and Leaching Capacity = 992 gpd.

Proposed Soil Absorption System Sizing Calculations: 45 (Chambers) x 6.25' L x 4.8' (Effective Leaching Area SF/LF, Per Man. Spec) = 1350 SF.

Table with 5 columns: Issue, Date, Description, Drawn, Design, Check, Resp. Eng. Row #1: 8/4/20, PROPOSED SANITARY SYSTEM.

PROPOSED Sanitary System. TOWN: WAREHAM, MASS. LOT NO.: 1030 MAP 15. LOCATION: 5 TYLER AVENUE. PREPARED FOR: JENEVE CORP. SCALE: 1" = 10'. DATE: AUGUST 4, 2020.

WEBBY ENGINEERING ASSOCIATES, INC. Civil Engineers & Land Surveyors 180 County Road - Plympton, MA. (781) 585-1164.

Professional seals for Joseph E. Webby, Jr. (No. 28717) and Richard Robert DeBenedictis (No. 28318). Signatures and titles: Prof. Land Surveyor and Prof. Engineer.

NOTES

- 1. Airline piping to FAST® may not exceed 100 FT (30m) total length and have a maximum of 4 elbows in the piping system.
2. Vent to desired location and cover opening with a vent grate with at least 7 sq in (45 sq. cm) open surface area.
3. All appurtenances to FAST® (e.g., tanks, access ports, electrical, etc.) must conform to all applicable country, state, province, and local plumbing and electrical codes.
4. All inspection, viewing and pump out ports must be secured to prevent accidental or unauthorized access.
5. Tank piping, conduit, etc. are provided by others. Blower control system by Bio-Microtics, Inc. See Installation Manual.
6. If less than the specified minimums are considered necessary, consult factory for guidance.
7. All piping and ancillary equipment installed after FAST must not impede or restrict free flow of effluent.
8. The tank(s) shall be designed to prevent air passage between the settling zone/tank and the treatment zone and preventing an air lock.
9. Installations using a FAST® system lid are capable of withstanding ASTM H-10 equivalent loads.
10. Specialized treatment levels may require specific features to be incorporated into the design. Consult factory for guidance.

DESIGN CRITERIA

- 9.) Unless otherwise noted (UDN), the design of this system conforms to the requirements of the Commonwealth of Massachusetts Environmental Code "Title V", and the requirements of the local board of health.
10.) The design of this system did not allow for the use of a garage disposal.
11.) The septic tank shall be inspected and cleaned in accord with 310 CMR 15.300 and applicable local requirements.
12.) Grease trap, if applicable, shall be inspected every month, and shall be cleaned every 3 months or when the level of grease is 25% of the effective depth of the trap.
13.) The design of this system conforms with the following minimum distances from the proposed sanitary system:
A.) Surface water supply or gravel packed wells...400 ft.
B.) Tubular public wells...250 ft.
C.) Private potable wells...150 ft.
D.) non potable / irrigation wells...100 ft.
E.) Other sanitary soil absorption system...10 ft.
F.) Wetlands...100 ft.
14.) No structures shall be located upon, above, or within 20' of the leaching facility.
15.) The top of all system components, including the septic tank, distribution box or dosing chamber and soil absorption system, shall be installed no more than 36" below finish grade.

Leaching Chambers Area

- 16.) Leaching chamber shall be an INFILTRATOR HC chamber or engineer approved equal.
17.) All installations shall be true to line and grade.
18.) All piping shall be PVC SCH. 40
19.) Distribution pipe(s) shall have a minimum diameter of 4" and a minimum slope of 0.01.
20.) All unsuitable material including top soil and sub soil shall be removed as follows:
Remove soils to elevation, and a distance of ft. in all directions of the designated leaching field area.
21.) Removed soils shall be replaced with clean sand, meeting the requirements of 310 CMR 15.255(3).

Inspection Schedule

- 23.) To obtain the board of health certification, confirmation of the proper installation is required.
a.) After Excavation of unsuitable material
b.) Placement of the clean back fill Meeting 310 CMR 15.255(3)
c.) Installation of the system with all components exposed for inspection and preparation of "As Built" Plan.
d.) When existing ground elevations are changed a finished ground elev. "asbuilt" shall be required prior to certificate of compliance being issued.

Utility Notes

- 24.) The location of utilities are approximate only. Dig-Safe and other appropriate authorities shall be notified to verify actual locations, prior to any excavating. Relocate if as required.



NOTE: THE PROPOSED SEPTIC SYSTEM DOES LIE WITHIN 500' OF A WETLANDS ON THE EASTERLY SIDE OF TYLER AVE. ALL WORK PROPOSED IS BEYOND THE 100' SETBACK OF A WETLANDS AREA ON THE EASTERLY SIDE OF TYLER AVE.

