## TOWN OF MILLIS Board of Health Agenda Monday July 11<sup>th</sup> 2022 6:00 PM Remote https://us02web.zoom.us/j/88412739527

- 6:00 p.m. Open BOH Meeting.
- 6:10 p.m. Approval of Meeting Minutes.
- 6:15 p.m. COVID-Flu Update
- 6:30 p.m. 1480 Main St EHIR
- 6:50 p.m. 50 Causeway St LUA Septic
- 7:15 p.m. Appointments Agents
- 7:30 p.m. Re-organization Chair BOH

Director's report Nurse's report Payables Sign-off

- Approval of minutes (June 6th<sup>th</sup> 2022)
- Food Recalls (website)
- Review of Monthly Activity
- Correspondence

Tentative Date of Next Meeting: August 8<sup>th</sup> 2022

TOWN OF MILLIS	
Notice of Meeting	
The BOARD OF HEALTH	
Will Remote Meet at 6:00 P.M.	
On Monday July 11 <sup>th</sup> 2022	
Zoom Online meeting	
Assistant Town Clerk	
Posted, 2022	

John McVeigh is inviting you to a scheduled Zoom meeting.

Topic: Board of Health Meeting Time: Jul 11, 2022 06:00 PM Eastern Time (US and Canada)

Join Zoom Meeting https://us02web.zoom.us/j/88412739527

Meeting ID: 884 1273 9527 One tap mobile +13126266799,,88412739527# US (Chicago) +19292056099,,88412739527# US (New York)

Dial by your location +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York) +1 301 715 8592 US (Washington DC) +1 346 248 7799 US (Houston) +1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma) Meeting ID: 884 1273 9527 Find your local number: https://us02web.zoom.us/u/kcctri7Wkc



April 26, 2022

Mr. John McVeigh, Health Director Town of Millis 900 Main Street Millis, MA 02054

Re: 1480 Main Street, Cultivation Facility EHIR Peer Review

Dear Mr. McVeigh:

BETA Group, Inc. has reviewed documents for the Application for Environmental Health Permit for the property at 1480 Main Street, Cultivation Facility. This letter is provided to outline BETA's findings, comments, and recommendations.

## BASIS OF REVIEW

BETA received the following items:

- Cover Letter for Environmental Health Permit Application for 1480 Main Street in Millis, Massachusetts, dated April 1, 2022, prepared by Strong Point Engineering Solutions, Inc., West Bridgewater, MA.
- Application for Environmental Health Permit, 1480 Main Street, Millis, MA, prepared by Strong Point Engineering Solutions, Inc., West Bridgewater, MA.
- Summary of Hydrologic Analysis and Stormwater Management System Calculations, dated February 21, 2022, prepared by Strong Point Engineering Solutions, Inc., West Bridgewater, MA.
- Plans (8 sheets) entitled Notice of Intent Plans for Proposed Cultivation Facility 1480 Man Street Millis, Massachusetts, Map 21 Lots 9, 26, 28, 29, 30 Map 32 Lot 2, revised February 21, 2022, prepared by Strong Point Engineering Solutions, Inc., West Bridgewater, MA.
- Notice of Intent for Proposed Marijuana Cultivation Facility at 1480 Main Street in Millis, Massachusetts, dated December 22, 2021, revised February 22, 2022, prepared by Strong Point Engineering Solutions, Inc., West Bridgewater, MA.
- Order of Conditions, dated March 25, 2022, prepared by Strong Point Engineering Solutions, Inc., West Bridgewater, MA.
- Special Permit Approval with Conditions, dated October 18, 2021, prepared by Town of Millis Planning Board

Review by BETA includes the above items in conformance with the following:

- Millis Board of Health Public and Environmental Health Review Regulations and Standards adopted January 10, 1990.
- Massachusetts Stormwater Handbook, effective January 2, 2008 by MassDEP

## PROJECT DESCRIPTION

The parcels identified as making up the site include 6 lots totaling approximately 35.96 acres. There are two access points from Main Street. The project is proposed on 4 of the 6 lots, consisting of 7 acres with frontage ¼ mile east of the Medway townline – referred to herein as the "project site". The other two lots

BETA GROUP, INC. www.BETA-Inc.com 1480 Main Street EHIR April 26, 2022 Page 2 of 6

consist of a 50' wide lot consisting primarily of wetlands between and with frontage on Main Street and Cedar Street. Cedar Street is only a street on paper at this location and runs between the project site and remaining 28.5-acre parcel listed with this property. The existing project site is developed with a 7,700 SF single story block and metal panel warehouse building and associated paved parking and storage area. There are 4 driveway entrances to the existing parking lot off Main Street and a 40' right-of-way easement along the western property line between Main Street and Cedar Street. The remainder of the property to the south consists primarily of woods and wetland resource area that are part of the Great Black Swamp.

MassDEP Priority Resource Map indicates the project is located within a MassDEP Approved Zone II and is not within NHESP estimated habitats of rare wildlife or rare species. There are wetlands on the site which are included on the site plans. A portion of the site is located within the 100-year FEMA mapped flood zone (Zone A) and the Town's Special Flood Hazard District. The FEMA zone is shown on the plan and work is proposed within this area. The Applicant has indicated FEMA issued a letter of Map amendment removing this designation for the parcel.

The project includes razing the existing industrial building and construction a new 73,800 SF marijuana cultivation facility with associated parking areas, stormwater management system and utility connections.

The property is within the Industrial Park Two (I-P-2) Zoning District and is surrounded by other commercial/industrial uses in this district. The property parcel that is not proposed for development abuts the Commercial District to the south along Main Street and Residential-Suburban District to the southeast. The project includes a commercial/industrial development exceeding 3,000 sq. ft. which requires an Environmental Health Impact Report (EHIR) with the Board of Health.

## ENVIRONMENTAL HEALTH IMPACT REPORT (EHIR) REVIEW

## SECTION XII DRAINAGE

NRCS maps indicate soils consist mainly of Urban land with no hydrological soil group (HSG) rating. Adjacent areas indicate Swansea muck HGS B/D & Scarboro and Birdsall HSG A/D rating in the wetlands and Canton fine sandy loam HSG B rating to the east and southeast. Test pits previously done in 2007 on the site indicated 3-5 feet of Fill over Sand in the area of the existing parking lot and proposed infiltration fields.

Additional test pits were conducted on 4/20/2022, see attached test pit report for results. Groundwater levels, the amount of fill onsite and soil classifications differed slightly from test pits conducted in 2007. The Applicant indicated they will review findings and resubmit their stormwater design to the Board to accommodate these new findings.

The project proposes a stormwater management system consisting of catch basins, drain manholes, an area drain, trench drain, water quality treatment units, subsurface infiltration fields, stormwater management basins, flared-end structures, outlet-control structure, and concrete headwalls.

BOH1. Plan Comments:

- a. Sheet C-3 *Proposed Grading & Utility Plan*: Callout for OCS-200 is covered by a "50' Wetland Buffer" label.
- b. Sheet C-3 *Proposed Grading & Utility Plan*: Under the Stormwater Structure Schedule, for DMH-200, the Invert Out is indicated directed to DMH-200. Update to outlet destination.



BOH2. Proposed Watershed Plan and HydroCAD Comments:

- a. PWS-2A label on the *Proposed Watershed Plan* PWS-1 plan sheet is on Main Street, move to correct watershed location.
- b. Proposed Watershed PWS-2D Area number differs between the *Proposed Watershed Plan* PWS-1 plan sheet and HydroCAD calculations. Update accordingly.
- c. Proposed Watershed PWS-3B Area number differs between the *Proposed Watershed Plan* PWS-1 plan sheet and HydroCAD calculations. Update accordingly.
- d. HydroCAD Basin 100 invert for FES-100 is indicated at 140.40', plan detail shows FES-100 invert at 140.50'. Update accordingly.
- e. HydroCAD Basin 200 invert for emergency spillway is indicated at 145.05', plan detail shows at elevation 145.50'. Update accordingly.
- f. Minor discrepancies observed between pipe sizes/lengths for infiltration basins in HydroCAD vs the plans. Update for consistency.

<u>Section XII 1.</u> – The proposed drainage for the subdivision or project shall not cause an increase or decrease in either the total volume of runoff discharge offsite, or total rate of runoff discharge offsite, as compared with the respective discharge offsite prior to the development. Such condition shall be required for storms of 1, 10, 50 and 100-year frequency events.

The Applicant has provided calculations comparing runoff flows and volumes between pre- and postdevelopment conditions for 2-, 10-, 25-, 50-, and 100-year storm events. The project results in a decrease in peak rate runoff in all design storms except for the 2- and 10-year storms within Watershed 3 and Watershed 1, respectively, where there are di minimis increases (0.07 cubic feet per second increase during the 2-year storm in Watershed 3 and 0.05 cubic feet per second increase during the 10-year storm in Watershed 1). This is within the margin of error of modeling and practically meets the requirement to match existing pre and post discharge rates.

- BOH3. Add the 1-year storm event to the Stormwater Report per the regulation.
- BOH4. The project proposes to reduce the peak rate and volume of stormwater flow from the project site through infiltration and detention consistent with MassDEP stormwater standards. The Applicant should request a variance to allow a decrease in the rate and volume of stormwater runoff from the overall project area for the 25-, 50- and 100-year storm events.

<u>Section XII 2.</u> – No channelization of surface runoff shall be allowed offsite without the written consent of the owner of the land affected, in the form of a permanent grant of easement, recorded at the Registry of Deeds.

All surface runoff is directed to pre-treatment and infiltration best management practices and most overflow discharge occurs within the limits of the site with measures to avoid channelization. A portion of impervious surface is proposed to be collected in a catch basin, routed through an infiltration field, with an overflow pipe connection to existing drainage on Main Street. This connection to the Town drainage requires a Municipal Storm Drain Permit Application to the Select Board under Town of Millis Stormwater Management Regulations Article II: Regulation Governing Discharges to the Municipal Storm Drain System.

BOH5. Submit Municipal Storm Drain Permit Application to the Select Board.



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<u>Section XII 3.</u> – In cases where runoff infiltration cannot, in the opinion of the Board of Health, be appropriately implemented because of the possibility of contamination of water supply, or because of extremely poor infiltrative and permeability characteristics of the soil, the requirement as regards volume may be waived by the Board of Health, provided the applicant provides such additional preventive measures to prevent any increase in elevation or duration of downstream flood elevations. Such additional measures may be, but are not restricted to, the construction of flood storage facilities and/or the creation of additional wetlands.

BOH6. Awaiting revised drainage plan before providing comment.

<u>Section XII 4.</u> – If detention or retention ponds are utilized, slopes shall be no steeper than 4 horizontal to 1 vertical, and design water depth shall not exceed three (3) feet. Minimum bottom slope for "dry" detention areas shall be two (2) percent.

Two stormwater basins are proposed, with slopes 3 horizontal to 1 vertical. The bottom of the basins are designed to be flat with an infiltration water depth designed at 1' and 0.5' (Basin 1 and 2, respectively) and outlet control structure overflow depth is 3' for both basins.

- BOH7. Revise side slopes to 4 horizontal to 1 vertical to meet the regulation.
- BOH8. The Applicant should request a variance to allow for a flat bottom basin to provide uniform ponding and maximize exfiltration. Provide means and method for draining the flat bottom basin for maintenance if it does not drain within 72 hours as designed.

<u>Section XII 5.</u> – Poor infiltrative and permeability conditions are defined as a soil permeability of less than  $1 \times 10^4$  centimeters per second. Unless, in the opinion of the Board of Health, such testing is not applicable for a particular site, all permeability tests shall be in-situ field bore hole tests for permeabilities in the acceptable range as specified above. If permeability testing is desired to be performed in soils of lesser permeability, laboratory tests for hydraulic conductivity shall be performed on undisturbed samples by the Falling Head Permeability Test using flexible membrane triaxial test cells with back pressure (Army Corps of Engineering Manual EM 1110-2-1906 Appendix VII).

No permeability tests have been conducted or planned at this time. Test pits have been conducted and results are being reviewed to determine infiltration and permeability conditions.

## SECTION XIII EARTH REMOVAL STANDARDS

The Earth Removal Standards of the EHIR address proposed excavation, filling and earth operations, and potential adverse impacts to public health or safety.

<u>Section XIII 1</u> – Plans for any proposed earth removal operation exceeding 175 cubic yards of material per lot or 500 cubic yards per project, shall be filed with the Board of Health and shall contain the following information and meeting the following criteria... (a-o)

This is not an earth removal operation project and the plans indicate the building will have a slab foundation at an elevation higher than the existing site grade.

BOH9. The Applicant should confirm that they will not be removing a significant amount of earth from the site or whether they will exceed the earth removal regulation threshold.

<u>Section XIII 2.a</u> – In order to provide for potential subsurface sewage disposal systems, no excavation shall occur closer than 7.5 feet from the maximum groundwater elevation as determined by the procedure described in Section VIII of this regulation.



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BOH10. There are no subsurface sewage disposal systems on-site or in the area. Sewage disposal is via connection to the Town sewer in Main Street for this and adjacent properties. The Applicant should request a variance to allow excavation within 7.5'of seasonal high groundwater for installation of the Stormwater Management Systems.

#### Section XIII 2.b. – There shall be no increase or decrease of surface water flow off the site.

The project results in a decrease in peak rate runoff in all design storms except for the 2- and 10-year storms within Watershed 3 and Watershed 1, respectively, where there are di minimis increases (0.07 cubic feet per second increase during the 2-year storm in Watershed 3 and 0.05 cubic feet per second increase during the 10-year storm in Watershed 1). This is generally consistent with the previously approved calculations.

<u>Section XIII 2.c.</u> – There shall be no potential adverse effect on public health or safety, or the health or safety of persons living, working or otherwise present in the neighborhood, due to excessive noise, dust, or any other condition which may result from the proposed operation.

It is BETA's understanding that odor and noise will be reviewed under a separate application to the Board of Health.

<u>Section XIII 2.d.</u> – There shall be no potential adverse impact on surface waters, public or private wells, as a result of the proposed operation.

Proposed work includes a restoration plan that is sufficient in protecting the interests of the AURA. Fruitbearing species such as black huckleberry (Gaylussacia baccata) and lowbush blueberry (Vaccinium angustifolium) will provide food sources for wildlife, while the proposed native seed mixture will provide a source of cover and habitat.

<u>Section XIII 2.e.</u> – Lateral support shall be maintained for all adjacent properties, and no banks shall be left after completion of operations with a slope which exceeds one foot vertical rise in four feet of horizontal distance.

BOH11. Two stormwater basins are proposed with slopes 3 horizontal to 1 vertical.

<u>Section XIII 2.f.</u> – Any access to an excavated area or areas shall be adequately posted with "Keep Out" and "Danger" signs.

BOH12. Include this requirement in "Minimum Construction Requirements and Sequencing", sheet C-4.

<u>Section XIII 2.g.</u> – During operations, any excavation, quarry, bank, or work face having a depth of ten feet or more and/or creating a slope of more than thirty degrees downward shall be fenced.

Proposed work will not be ten feet or more in depth.

<u>Section XIII 2.h.</u> – No boulders in excess of a volume of 20 cubic yards and no trees or stumps or demolition or construction waste materials shall be buried on-site.

BOH13. Add this requirement as a note to "Minimum Construction Requirements and Sequencing", sheet C-4.

<u>Section XIII 2.i.</u> – Notwithstanding any standard otherwise required in this regulation, the operation and restoration shall comply with the standards contained in the Massachusetts Conservation Guide, Volumes I, and II, United States Department of Agriculture, Soil Conservation Service.



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Refer to Proposed Site Layout Plan (C-2), Proposed Erosion Control Plan (C-4), and SWPPP.

<u>Section XIII 2.j.</u> – At the time of restoration, the areas subject to this regulation shall be covered with a minimum of four inches of compacted topsoil and seeded with an appropriate grass or legume.

BOH14. Add loam and seed detail to plan set, add requirement to Note #6 on sheet C-2.

SECTION XIV EHIR SCOPE AND GENERAL SUBMITTAL REQUIREMENTS

The Applicant has provided the information for submittal requirements, other than as noted in the comments above, within the documents listed above in the "Basis of Review" including plans, drainage report and long-term stormwater pollution and operation and maintenance preventions plans.

If we can be of any further assistance regarding this matter, please contact us at our office.

Very truly yours, BETA Group, Inc.

HissiLken

Melissa Recos, PE Associate

Katelyn Bunke

Katelyn Burke, EIT Staff Engineer





# MILLIS PLANNING BOARD CONSTRUCTION OBSERVATION REPORT

## 1480 Main Street

Report No.:	10422 - 1	Date:	April 20, 2022	Arrive: 8:30 AM	
Observer:	Dan Hammerberg, Engineer	Weather:	Clear -~45°	Leave: <b>1:00 PM</b>	
Owner:	GTE Millis, LLC 251 N. Pearl Street Brockton, MA 02301		340 Manle West Brid	Strongpoint Engineering 340 Manley Street, Unit 2 West Bridgewater, MA 02379 508-682-0229	

#### Items Observed: Infiltration Basin Soils

#### **OBSERVATIONS**

#### **Observation Requested By: Eric Dias – Strongpoint Engineering**

#### Met/walked site with: Eric Dias – Strongpoint Engineering

#### **Items Observed:**

BETA arrived on site to observe test pits at 1480 Main Street in Millis, MA. BETA met with Eric Dias and Stephanie Hoban of Strongpoint Engineering and John McVeigh of Millis Board of Health to discuss locations of proposed test pits.

The contractor excavated seven test pits while onsite including one test pit in Stormwater Basin 100, stormwater basin 200, Infil-300, Infil-400, and Infil-100, and two test pits in infiltration basin 200,

Stormwater basin 100 excavation was conducted just outside the proposed basin due to encountering a concreate slab 12" below the parking lot. The testpit was excavated north of the basin near the east entrance to the site. Excavation encountered fill 0-60", weeping at 92", and fine loamy sand material.

Infil-200 excavation was conducted in the center of the proposed location. Excavation encountered fill 0-48", weeping at 20", and loamy sand material. Another excavation was conducted to determine if weeping at 20" was ground water, or water perched from the previous days rainstorm. The second testpit was conducted at the south edge of the proposed system. Testpit encountered fill 0-20", mottles at 36", and similar gravelly loamy sand.

Stormwater basin 200 excavation was conducted in the center of the proposed basin. Excavation encountered fill 0-48", buried A layer 48"-54", weeping at 48", and loamy sand material.

Infil-300 excavation was conducted in the center of the proposed system. Excavation encountered a plowed A layer 0-9", weeping at 80", and gravelly loamy sand material.

Infil-400 excavation was conducted in the center of the proposed system. Excavation encountered a plowed A layer 0-6", weeping at 60", and gravelly loamy sand material with cobbles.

Infil-100 excavation was conducted in the center of the proposed system. Excavation encountered fill 0-72", buried a layer 72"-78", weeping at 54", and fine loamy sand material. A layer of gleysole material was encountered within the C layer and will be removed prior to installed the stormwater system.

The engineers from Strongpoint engineering indicated they would review this testpit information and resubmit their stormwater design to the board of health.

John inquired if the contractor had pulled a trench permit from the town prior to excavation. Eric from Strongpoint indicated he was not aware it was necessary, but would file a trench permit after leaving the site after the fact.

Site Photos









Basin 200, note buried A layer



Basin – 200, Fine loamy sand





Infil-300









Material from Infil-100, note Gleysol soil





Infil-100, note buried A layer



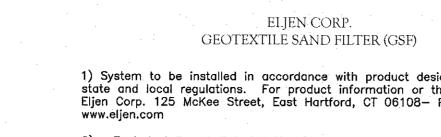
Concrete slab encountered 12" below surface near Basin 1

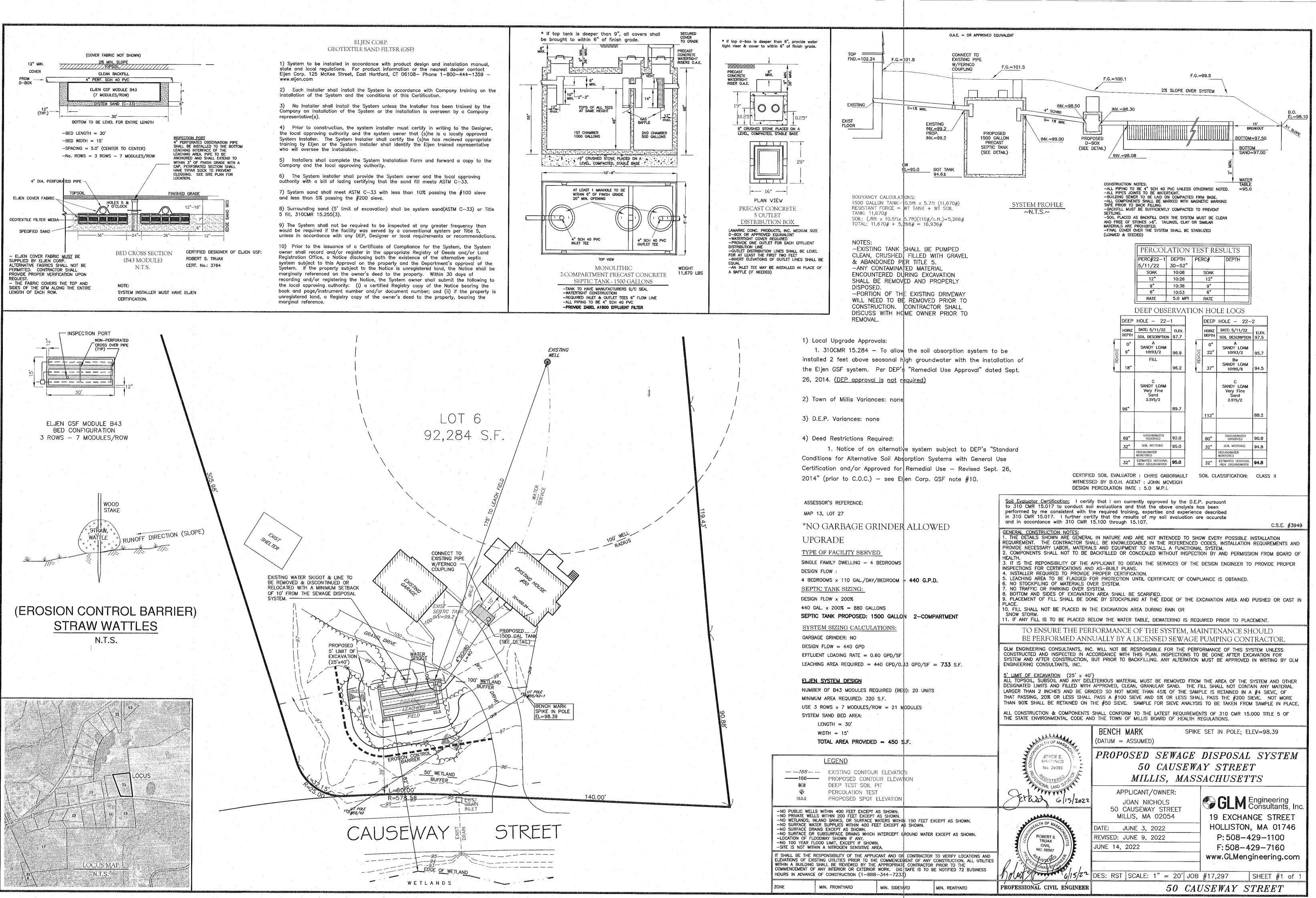


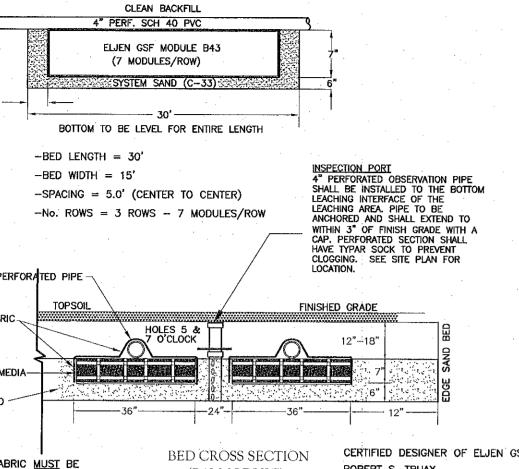


Second test pit in Infil-200, note 20" of fill mottles at 36"









## List of Appointment of Agents for FY 22 July 2021

Health Agent	John P. McVeigh, MBA, CHO, RS	Weekend, evening events
Health Agent	Matthew Fuller PHD, Member	Weekend, evening events
Health Agent	Kathleen Lannon, RNMS, Member	Weekend, evening events
Health Agent	Jaikaur LeBlanc, Member	Weekend, evening events
Health Agent	Angelo DeLuca	Food Inspections
Health Agent	Mark Awdycki HS Principle	Student smoking
Health Agent	James White, 5 Brookview Road	Regulations, BOH experience
Health Agent	James McKay, 416 Village Street	Sewer Issues
Burial Agent	Lisa Hardin	Burial Agent
Burial Agent	Susan Vara	Burial Agent
Burial Agent	Kathy Smith	Burial Agent
Tobacco Agent	Olivia Dufour	Tobacco Agent
Tobacco Agent	Robert Griffin	Tobacco Agent
Burial Agent	Thomas Caruso	Burial Agent
Health Agent	Donna Scotland	Weekend, evening events