

# Bay Colony Group, Inc.

Professional Civil Engineers & Land Surveyors

4 School Street, PO Box 9136  
Foxborough, Massachusetts 02035  
Telephone (508) 543-3939 • Fax (508) 543-8866  
E-mail: [mailbox@baycolonygroup.com](mailto:mailbox@baycolonygroup.com)

September 29, 2021

Mr. Robert W. Boette, Chairman  
Foxborough Conservation Commission  
40 South Street  
Foxboro, MA 02035

**RE: 34 Mill Street  
Foxborough, MA**

Dear Mr. Boette,

On behalf of our client, Samuel Weinfeld, we are submitting herewith a Request for Determination of Applicability pursuant to Chapter 131, S.40, Wetlands Protection Act and Chapter 267 Foxborough Wetlands Protection Bylaw for the repair of a failed septic system at 34 Mill Street Foxborough, MA. Enclosed please find 8 copies of the WPA Form 1 – Request for Determination of Applicability (RFDA), which includes the sewage disposal system design plan and a check in the amount of \$75 for the Town fee.

The property is an existing 4-bedroom home on a 39,508+/- sf lot located on the western side of Mill Street about 1,200 feet from where it intersects Prospect Street. The existing system consists of a septic tank, distribution box and leaching field, located in the backyard of the existing home. The property slopes from south to north with the topography of Mill Street. The site has bordering vegetated wetlands (BVW) and a perennial stream located west and northwest of the property. The wetlands were flagged by the Pare Corporation.

We are proposing the pumping, crushing and filling of the existing septic tank and then constructing a new system in accordance with the State Sanitary Code. The new system will consist of a 1,500-gallon septic tank that will tie into the existing invert at the septic tank in the rear of the home. The tank will be at least 100' from the BVW but will be within the Riverfront Area. The leaching system will consist of 86' of stone and pipe trench installed in 2 rows of 43' to the northwest of the home. The leaching system will be about 89' from the BVW at its closest point and will also be within the Riverfront Area. Erosion control will consist of a 12" silt sock installed prior to the start of construction and will remain in place until the system is completed. Due to the constraints of the lot and the location of the BVW,

three waivers have been requested from the Foxborough Board of Health in order to construct the system.

We expect to start construction of the system shortly after all approvals are granted and to complete construction within 2 weeks of start of work, weather permitting.

Thank you for your consideration and please feel free to contact me should you have any questions or concerns that you would like us to address prior to the public hearing.

Very truly yours,

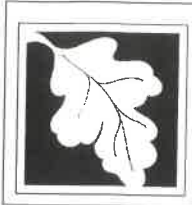
**BAY COLONY GROUP, INC.**

A handwritten signature in black ink, appearing to read 'C. Gray', written in a cursive style.

Cameron Gray  
Project Engineer

A handwritten signature in blue ink, appearing to read 'W. Buckley, Jr.', written in a cursive style.

William R. Buckley, Jr., P.E.  
Project Manager



**WPA Form 1- Request for Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Chapter 267



**A. General Information**

**Important:**

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1.  Applicant or  Property Owner's Representative:

Bay Colony Group, Inc.

Name / Firm

William Buckley, Jr.

Representative Name (if applicable)

4 School Street

Mailing Address

Foxborough

City/Town

MA

02035

State

Zip Code

508.543.3939

Phone Number

billbuckley@baycolonygroup.com

Email Address

2.  Property Owner (if different from Applicant):

Samuel Weinfeld

Name

rassamson@gmail.com

E-Mail Address / Phone Number

34 Mill Street

Mailing Address

Foxborough

City/Town

MA

02035

State

Zip Code

3. Foxborough Wetlands Protection Bylaw filing fee enclosed:

Single Family House: \$75  Industrial / Other: \$200  Habitat Restoration / Scout Project: \$0

**B. Determinations**

1. I request that Foxborough Conservation Commission make the following determination(s).

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to the jurisdiction of the State Wetlands Protection Act.
- b. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- c. whether the **area and/or work** depicted on plan(s) referenced below is subject to the jurisdiction of the Foxborough Wetlands Protection Bylaw.

**C. Project Description**

1. a. **Project Location** (use maps and plans to identify the location of the area subject to this request):

34 Mill Street

Street Address

Foxborough

Town

131

Assessors Map/Plat Number

006

Parcel/Lot Number

- b. **Area Description** (i.e. back yard, lawn, wooded area, conservation area, industrial, etc.):

An existing 39,508+/- sf parcel of land located on the western side of Mill Street about 1,200 feet from the intersection with Prospect Street

- c. **Plan and/or Map Reference**

(Hint: hand-draw your proposed project onto an Assessor's map, Google map or MassGIS aerial photo.)

Sewage Disposal System Design

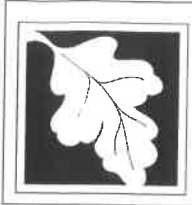
Title

9/29/2021

Date

Title

Date



## WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Chapter 267



### C. Project Description *(continued)*

2. a. **Detailed Description of Proposed Work**, shown in the above plans:

Replacement of a failed septic system with a new septic system constructed in accordance with the 310 CMR 15.00 State Sanitary Code (Title 5). The new system will consist of a 1,500 gallon septic tank and stone and pipe leaching system. The leaching system will be about 89' from the bordering vegetated wetland. The septic tank and leaching system will also be within a Riverfront Area.

- b. Identify provisions *(if any)* of the MA Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work.

3. a. **Riverfront Requirements** *(if applicable)*

If the proposed project is located within 200 feet of a river, indicate the one classification below that best describes the project:

For lots recorded on or before 8/1996:

- Single family house on a lot recorded on or before 8/1/96  
 Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96

For lots recorded after 8/1/96:

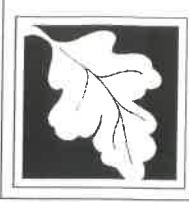
- Single family house on a lot recorded after 8/1/96  
 Expansion of an existing structure on a lot recorded after 8/1/96

Other Projects:

- Municipal project  
 District, county, state, or federal government project  
 Public project where funds were appropriated prior to 8/7/96  
 Residential subdivision; institutional, industrial, or commercial project  
 Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision  
 New agriculture or aquaculture project  
 Project required to evaluate off-site alternatives in more than one municipality for an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. ACOE or 401 Water Quality Certification from the MassDEP.

- b. Provide evidence *(e.g., record of date subdivision lot was recorded)* supporting one of the classifications above *(use additional paper and/or attach appropriate documents, if necessary)*.

Evidence: Plan of Land recorded with Norfolk Registry of Deeds, April 1, 1954, recorded in Plan Book 185 Plan Number 384 of 1954



**D. Signatures and Submittal Requirements**

**Name and Address of Property Owner:**

Samuel Weinfeld  
 Name  
 34 Mill Street  
 Mailing Address  
 Foxborough  
 City/Town  
 MA  
 State  
 02035  
 Zip Code

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate MassDEP Regional Office (*see below*) were sent a complete copy of this Request (*including all appropriate documentation*) simultaneously with the submittal of this Request to the Conservation Commission.

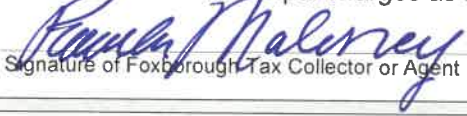
Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

I also understand that notification of this Request will be placed in a local newspaper (*by the Conservation Office*) at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

**Signatures:**

  
 Signature of Applicant  
 10/4  
 Date  
  
 Signature of Representative (if any)  
 10/4/21  
 Date

**Tax Collector's Release and Signature:** The above referenced applicant is applying for a permit from the Conservation Commission and is in good standing with respect to any taxes, fees, assessments, betterments or other municipal charges as recorded with the Foxborough Treasurer's Office.

  
 Signature of Foxborough Tax Collector or Agent  
 10/4/21  
 Date

**Submittal Requirements:**

**For the Conservation Commission:**

One (1) original and seven (7) copies of this completed Request (*including all plans, other documentation, and Town filing fee payment*), by mail or hand delivery to:

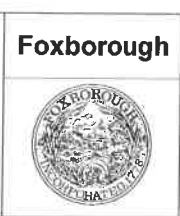
Foxborough Conservation Commission  
 40 South Street  
 Foxborough, MA 01035

**For MassDEP:**



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

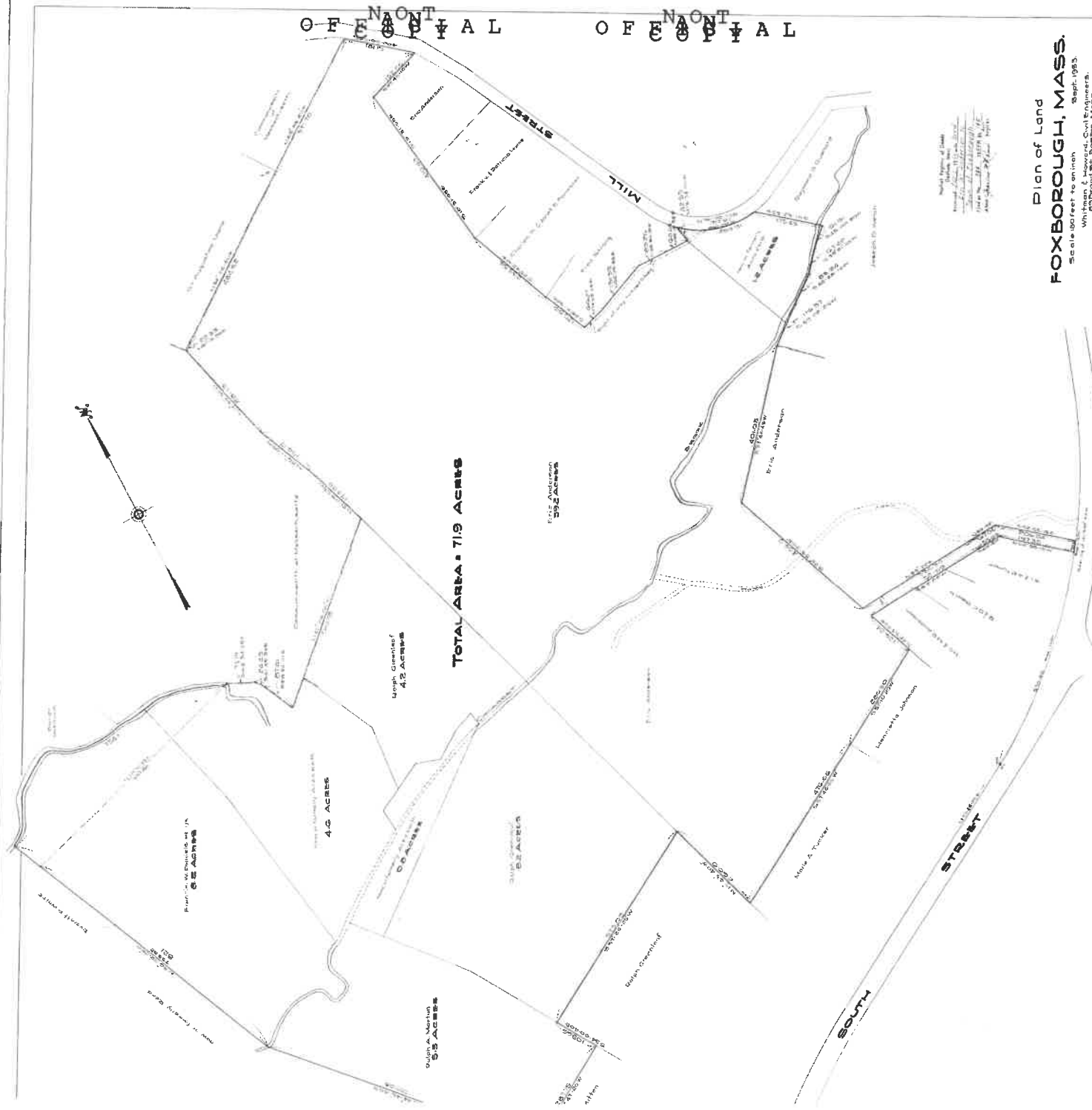
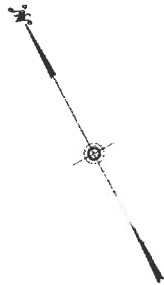
**WPA Form 1- Request for Determination of Applicability**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
Foxborough Wetlands Protection Bylaw, Chapter 267



One (1) copy of the completed Request *(including all documentation; no State filing fee is required)* by certified mail or hand delivery to:

MassDEP, Southeast Regional Office  
20 Riverside Drive  
Lakeville, MA 02347

OFFICIAL OF NOTAL OF NOTAL



Surveyed by  
 William J. ...  
 State of Massachusetts  
 License No. ...  
 Date of Survey ...

**Plan of Land**  
**FOXBOROUGH, MASS.**  
 Scale 100 feet to an inch Sept. 1963.  
 William J. ... Civil Engineer.  
 100 ...  
 License No. ...

KEVIN P. WEINFELD  
DIANNE SPIER WEINFELD  
43 GRANITE ST  
FOXBORO, MA 02035

1420

53 447/113  
472

10/24/21

Date



Pay to the Order of Town of Foxboro

\$ 75 <sup>00</sup>/<sub>100</sub>

Seventy-Five Dollars

<sup>00</sup>/<sub>100</sub> Dollars



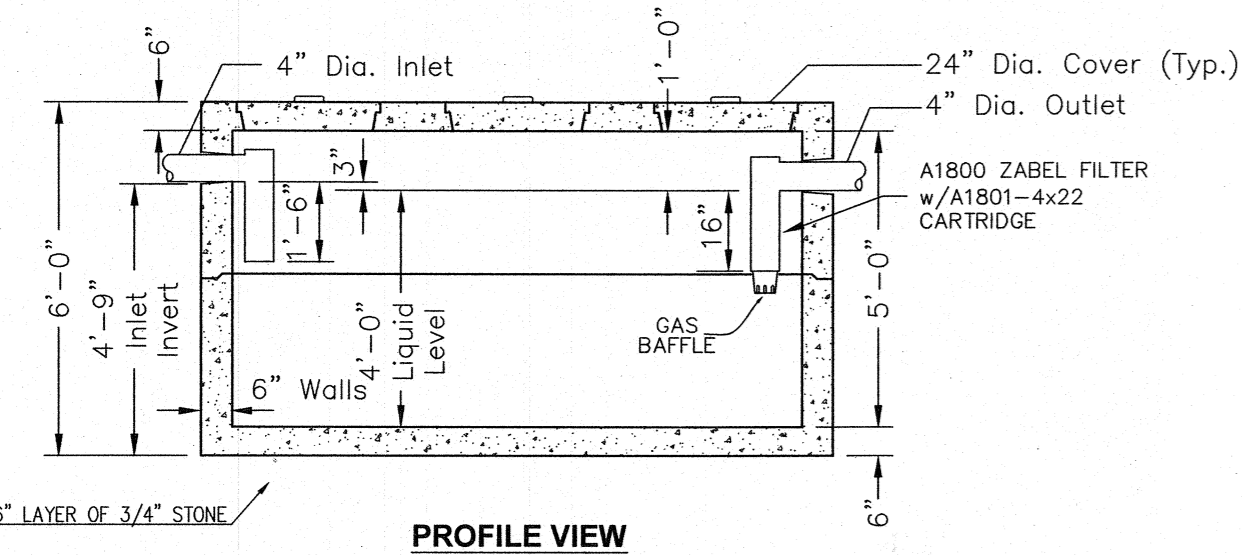
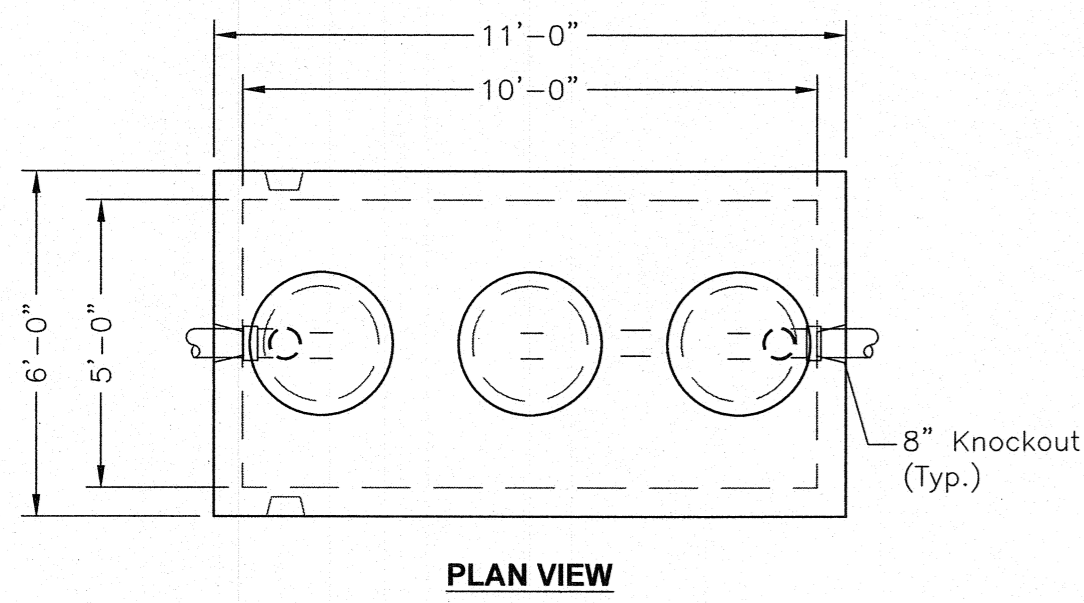
ROCKLAND TRUST

For 34 Mill St.

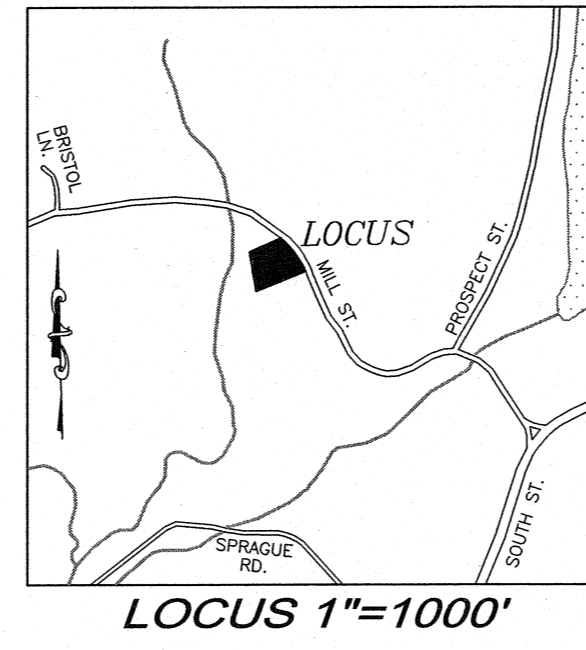
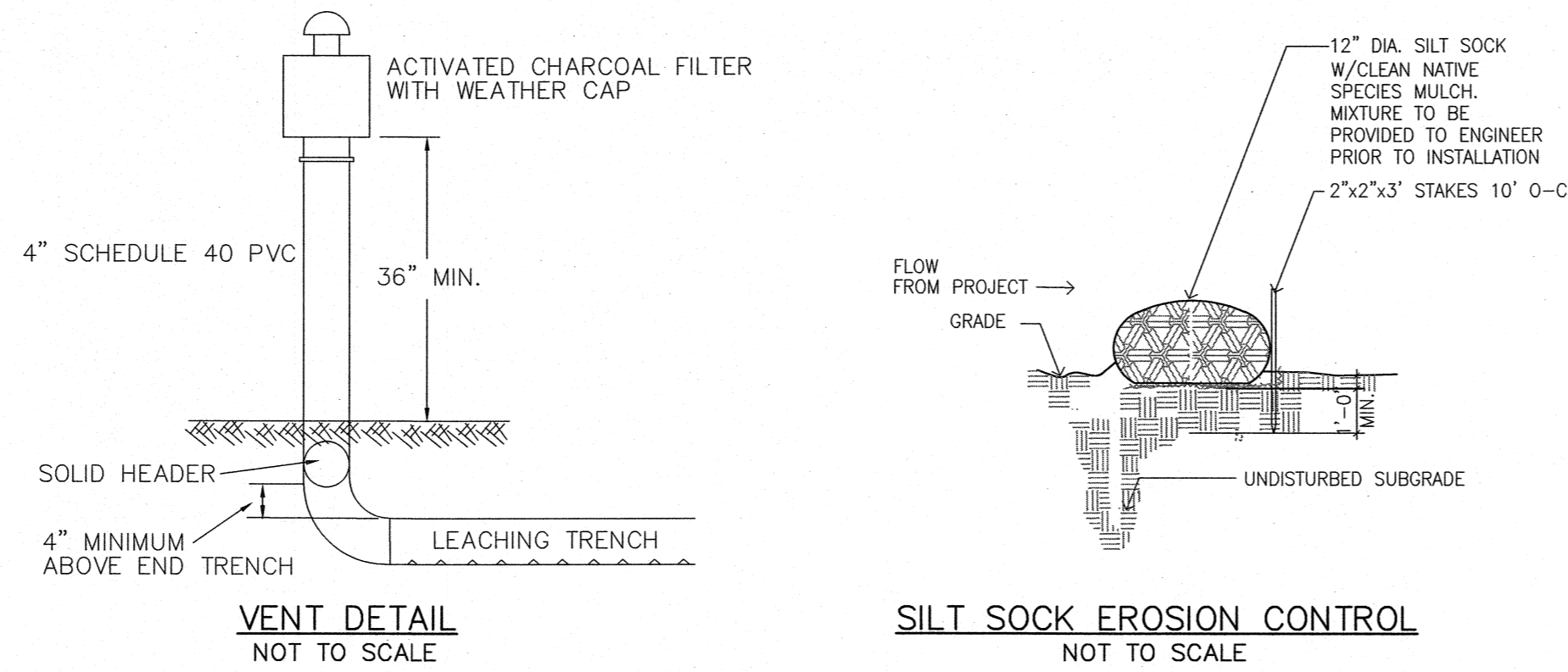
[Signature]

MP

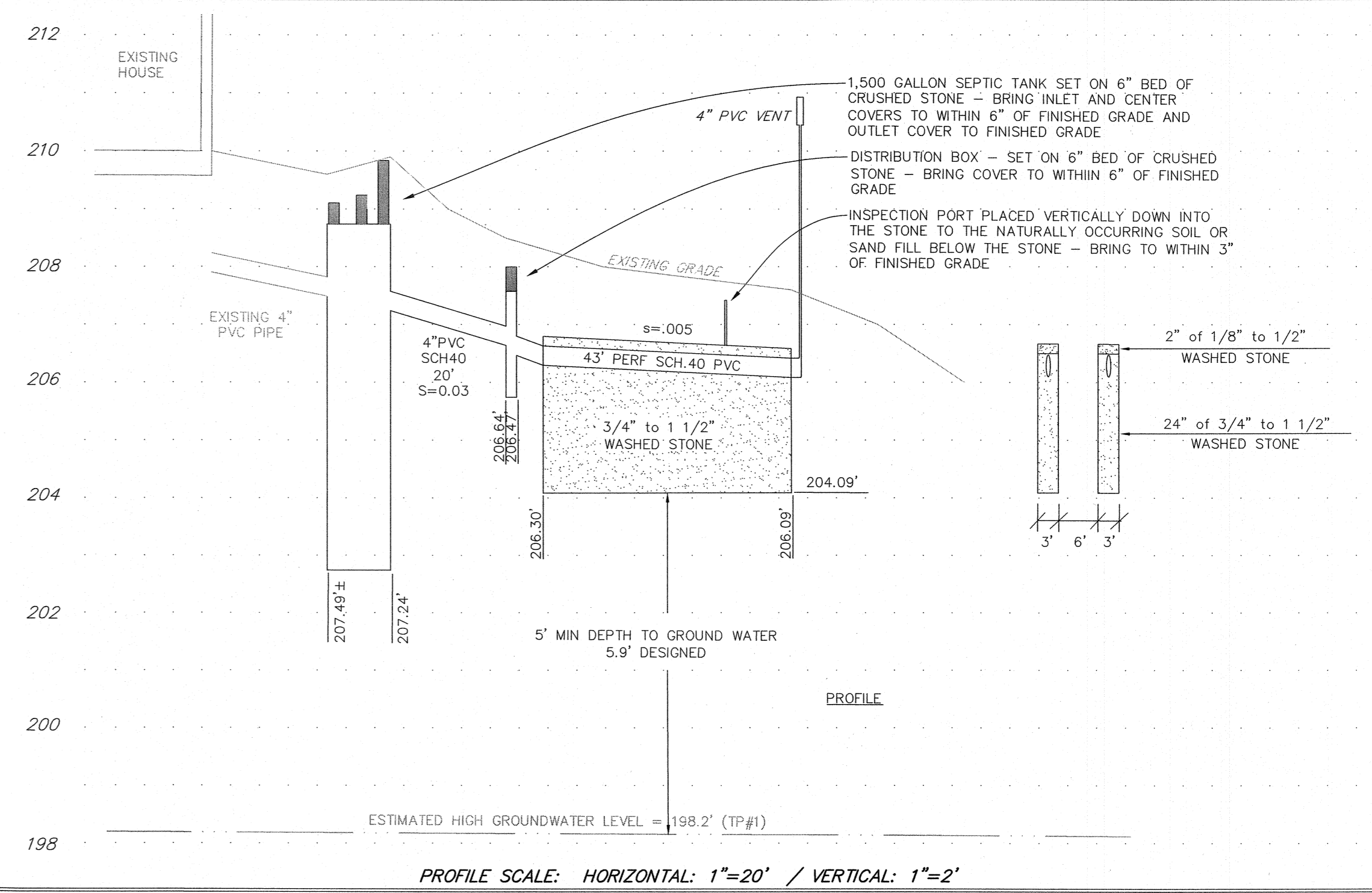




1,500 GALLON SEPTIC TANK  
ROTONDO CST-1500 OR EQUIV



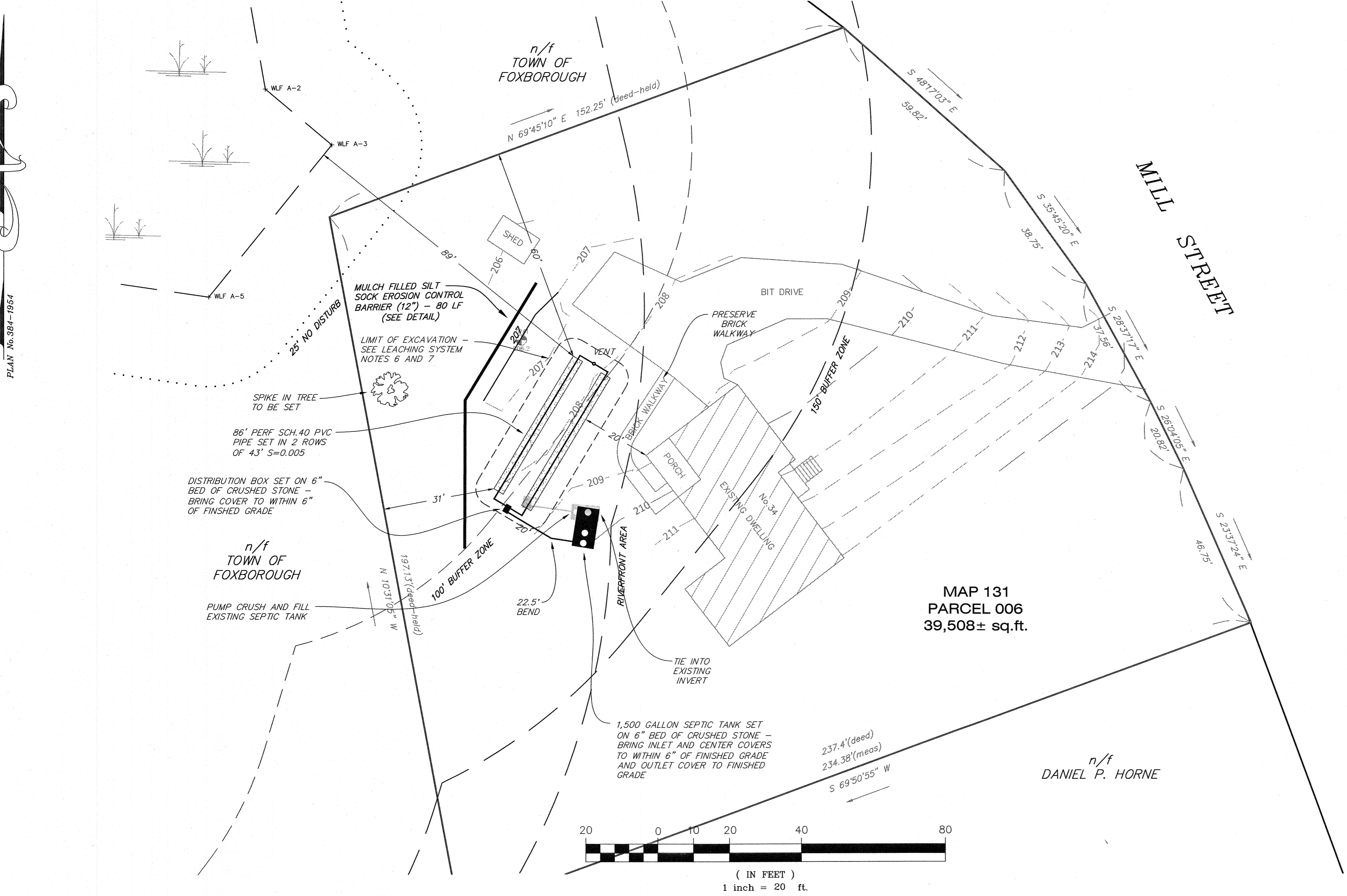
**WAIVERS REQUESTED:**  
**310 CMR 15.00 (TITLE 5) REGULATIONS:**  
 - SEPTIC TANK 189' SETBACK FROM A TRIBUTARY TO A SURFACE WATER SUPPLY WHERE 200' IS REQUIRED  
 - LEACHING SYSTEM 167' SETBACK FROM A TRIBUTARY TO A SURFACE WATER SUPPLY WHERE 200' IS REQUIRED  
 - LEACHING SYSTEM 89' FROM A BORDERING VEGETATED WETLAND WHERE 150' IS REQUIRED



**DESIGN DATA:**  
 1. ESTIMATED HYDRAULIC LOADING: 4 BEDROOMS AT 110 GPD/BEDROOM = 440 G.P.D. GARBAGE DISPOSAL NOT ALLOWED WITH DESIGN  
 2. SEPTIC TANK SIZE: AVERAGE DAILY FLOW = 440 x 200% = 880 GALLONS SEPTIC TANK PROVIDED = 1500 GALLONS  
 3. DESIGN PERCOLATION RATE = 2 M.P.I. SOIL CLASS = I  
 EFFLUENT LOADING RATE = 0.24 GPD/SF  
 4. LEACHING AREA: SIDEWALL = 344 SF x 0.74 GAL/SF = 254 G.P.D. BOTTOM = 258 SF x 0.74 GAL/SF = 191 G.P.D.  
 5. REQUIRED HYDRAULIC LOADING = 440 GAL/DAY DESIGN HYDRAULIC LOADING = 445 GAL/DAY

SOIL TEST DATA:		TEST PIT #1		TEST PIT		PERCOLATION TESTS		
DATE:	GND ELEV:	TEST PIT No.1	TEST PIT No.2	DATE:	GND ELEV:	TEST PIT No.1	TEST PIT No.2	TEST PIT No.3
9/29/2021	206.2'	9/29/2021	9/29/2021	9/29/2021	198.2'	9/29/2021	9/29/2021	9/29/2021
Depth (Elevation)	Soil Description	Depth (Elevation)	Soil Description	DATE:	DATE:	DATE:	DATE:	DATE:
32" (203.5')	FILL	60"	DEPTH OF PERC	0900	START PRESOAK	0915	END PRESOAK	0915
38" (203.0')	A SL: 10YR3/2	0915	TIME @ 12"	0917	TIME @ 9"	0920	TIME @ 6"	3
50" (202.0')	B SL: 10YR5/4	2 MPI	TIME (9"-6")	2 MPI	CALC. RATE	2 MPI	DESIGN RATE	2 MPI
120" (196.2')	C SAND; 2.5Y5/4, GRAVELLY, COBBLY, LOOSE, SOME BOULDERS	NOTES						
	MOTTLING @ 96" (198.2')							

**CONSTRUCTION NOTES:**  
**GENERAL CONSTRUCTION NOTES:**  
 1. All work shall conform to the latest edition of the Commonwealth of Massachusetts regulations governing the installation of subsurface sewage disposal systems, as published in the Code of Massachusetts Regulations and referred to as "Title 5", and any additional requirements of the Board of Health.  
 2. Both the Contractor and Designer must certify construction and prepare as-built plans showing locations and elevations. Contractor shall coordinate his work with the Designer to allow inspection and collection of elevations and locations of the system components, including an open hole inspection of the foundation excavation. Components shall not be backfilled until inspection and approval is obtained from the Board of Health, Designer and Owner.  
 3. Vehicular traffic, parking of vehicles, storage of materials, and storage of equipment over leaching area prohibited at all times. System shall be staked and flagged or otherwise barricaded from time of installation until Certificate of Compliance is issued. Magnetic tape shall be placed over all components.  
**LEACHING FIELD NOTES:**  
 1. Contractor shall strip and stockpile A and B horizons and any other unsuitable material. Excavated material shall remain on site and be used as required for future use. Excess material shall be removed from the site.  
 2. Stone used in leaching system shall consist of double washed 3/4" to 1-1/2" stone free of dust, iron, silt and other deleterious material.  
 3. Smeared or compacted surfaces of the leaching excavation shall be scarified prior to placement of the stone.  
 4. Leaching pipe shall be schedule 40 PVC with solvent welded joints. Holes shall be 3/8 inch diameter to 5/8 inch diameter spaced at least every six inches and ends shall be capped. Leaching stone shall be covered with a 2 inch layer of double washed 1/8" to 1/2" peastone.  
 5. Stone shall be free of dust, fines, iron, silt and other deleterious material.  
 6. Contractor shall provide certified Title 5 fill material as required to replace topsoil, subsoil, contaminated soil to a depth of 50" and other unsuitable material if found in or within 5' of the leaching area. Any required fill for the leaching area shall conform to the requirements of Title 5 as repeated below: consist of select on-site or imported soil material. The fill shall be comprised of clean granular sand, free from organic matter and deleterious substances, and shall not contain Remediation Waste as that term is defined in 310 CMR 40.0002. Mixtures and layers of different classes of soils shall not be used. The fill shall not contain any material larger than 2 inches. A sieve analysis, using a #4 sieve, shall be performed on a representative sample of the fill. Up to 45% by weight of the sample may be retained on the sieve. Sieve analysis shall also be performed on the fraction of the fill passing the #4 sieve, such analysis must demonstrate that the material meets the specifications in 310 CMR 15.255(3) and a plot of the sieve analysis shall fall on or between the lines shown on the graph in 310 CMR 15.255(3).  
**DISTRIBUTION BOX NOTES:**  
 1. Distribution box shall be watertight precast concrete with an influent baffle and watertight, removable cover. Unused outlets shall be plugged for future use.  
 2. A minimum 6" sump below outlet invert and minimum 12" inside dimensions shall be provided.  
 3. Distribution box shall be set level on 6" of 3/4" stone. Verify by filling distribution box with water and observe that all outlets are at same elevation.  
**SEPTIC TANK NOTES:**  
 1. Septic tank shall be watertight, 1,500 gallon capacity.  
 2. Tank shall be set level on 6" of 3/4" stone.  
 3. Inside length to width ratio shall be equal to or greater than 1.5, with a ratio of 2:1 preferred.  
 4. Tank shall be constructed of reinforced watertight precast concrete and shall have manufacturers quality control seal affixed thereon.  
 5. The outlet tee shall be equipped with A1800 Zabel filter (or engineer approved equivalent).  
**DESIGNER NOTES:**  
 1. No variations from this plan shall be made without written direction from the Designer, Owner and Board of Health Agent.  
 2. The contractor shall notify the Designer of any discrepancies between the plan and actual site conditions, should they exist, before installation of the system.  
 3. These plans are meant to be used by a contractor with an in-depth knowledge of 310 CMR 15.00 (Title 5) and are not meant as stand-alone documents.  
 4. Notwithstanding anything shown or not shown on these drawings, the Owner and Contractor are responsible for complying with the current edition of the Massachusetts Building Code regarding foundation drainage, backfilling and waterproofing and are responsible for ensuring that water does not enter the basement through the walls or floor.



**BENCHMARK DESCRIPTION:** SPIKE IN TREE TO BE SET  
**BENCHMARK ELEVATION AND DATUM:** EL=TO BE SET (NAVD 88)  
 THERE ARE NO PUBLIC WELLS OR SURFACE WATER SUPPLIES WITHIN 400' OF THE PROPOSED SYSTEM.  
 THERE ARE NO PRIVATE WELLS WITHIN 200' OF THE PROPOSED SYSTEM.  
 THERE ARE BORDERING VEGETATED WETLANDS WITHIN 150' OF THE PROPOSED SYSTEM.  
 THERE ARE STREAMS AS DEFINED BY THE RIVERS ACT WITHIN 200' OF THE PROPOSED SYSTEM.  
 THERE ARE NO OPEN, SURFACE OR SUBSURFACE DRAINS THAT INTERCEPT HIGH GROUND WATER ON THE LOT.  
 THERE ARE NO OTHER OPEN, SURFACE OR SUBSURFACE DRAINS ON THE LOT.  
 THE SYSTEM DOES NOT LIE WITHIN A REGULATORY FLOODWAY NOR WITHIN A 100 YEAR FLOOD ZONE.  
 WASTEWATER FROM THE PROPERTY WILL CONSIST OF DOMESTIC WASTE ONLY.

**SCHEDULE OF ELEVATIONS**

Item	Elevation	Item	Elevation
Top of foundation	=	Inv. @ septic tank inlet	= 202.49'
Basement floor	=	Inv. @ septic tank outlet	= 202.24' 209.9'
Inv. of pipe @ foundation	=	Inv. @ dist. box inlet	= 206.64'
		Inv. @ dist. box outlet	= 206.42' 208.5'
		Inv. @ leaching structure(in)	= 206.30' 208.1'
		Inv. @ leaching structure(end)	= 206.09' 207.6'
		Elevation of stone bottom	= 204.08'

**SEWAGE DISPOSAL SYSTEM DESIGN**  
 PREPARED FOR: SAMUEL WEINFELD 508.783.7645  
 34 MILL STREET FOXBOROUGH, MA 02035  
 PROPERTY ADDRESS: 34 MILL STREET FOXBOROUGH, MA  
 ASSESSORS MAP/PARCEL: MAP 131, PARCEL 006

THIS SEWAGE DISPOSAL SYSTEM WAS DESIGNED IN ACCORDANCE WITH THE COMMONWEALTH OF MASSACHUSETTS ENVIRONMENTAL CODE OF REGULATIONS (TITLE 5) AND THE BOARD OF HEALTH REGULATIONS OF THE TOWN/CITY OF FOXBOROUGH.

ZONE CLASSIFICATION: R-40  
 NITROGEN SENSITIVE AREA?: NO  
 BUILDING SET-BACKS:  
 FRONT: 35' SIDE: 15' REAR: 30'

**BAY COLONY GROUP, INC.**  
 FOUR SCHOOL STREET  
 FOXBOROUGH, MA 02035  
 (508) 543-3939

Date: SEPTEMBER 29, 2021 Scale: 1"=20'  
 Designed by: CHG Drawn by: CHG Checked by: WBJR  
 Revisions:  
 JOB NUMBER: 19-0133  
 FILE NUMBER: 19-0133-SS