# Town of Ayer **CONSERVATION COMMISSION**

Town Hall ♦ One Main Street ♦ Ayer, MA 01432 Phone 978-772-8220 ext. 143 Fax 978-772-8208 concom@ayer.ma.us

#### **MEETING AGENDA (In Person)** Thursday, August 24, 2023

7:00 PM

#### **GENERAL BUSINESS / OPEN SESSION**

- Approval of Meeting Minutes for August 10, 2023 0
- **Public Input**

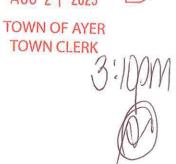
Request for Determination of Applicability - 91 Littleton Road

#### CONSERVATION OFFICE AND MEMBER UPDATES

9:00 PM **ADJOURN** 

Next Scheduled Meeting: 7 PM, September 14, 2023









Town Hall \* One Main Street \* Ayer, MA 01432 \* 978-772-8220, ext. 143 Minutes for **8/10/2023** 

Location: Ayer Town Hall, 1st Floor

<u>Present</u>: Jon Schmalenberger (Chair), Mark Phillips (Vice-Chair), George Bacon (Member), Jen Amaya (Member), Jessica Gugino (Member/Clerk), Heather Hampson (Conservation Agent) APAC taped: YES

#### All Public Hearings are opened under the Wetlands Protection Act (MCL Ch. 131, section 40) and under the Ayer Wetlands Bylaw (Article XXVI)

#### 7:00 PM – Open Meeting

- Confirmation of Agenda
  - **VOTE:** G. Bacon moved to confirm the agenda as posted; M. Phillips  $2^{nd}$ .
    - Motion approved unanimously 5-0.
- Approval of Meeting Minutes
  - **VOTE:** G. Bacon moved to accept minutes for 7/27/2023 as written; M. Phillips  $2^{nd}$ .
    - Motion approved unanimously 5-0.

#### • Public Input

- None received.
- Discussion: Wetland Violation 129 Oak Ridge Drive
  - Property owner Euripides Guillen was present in response to H. Hampson's letter of potential violation.
    - After receiving a complaint from a neighbor, H. Hampson contacted Mr. Guillen about his felling of 3 multi-trunked trees that were dropped directly into Flannagan Pond.
  - Mr. Guillen, new to Ayer, was not aware of the Wetlands Protection Act or local bylaw.
    - His property abuts the pond at a relatively narrow passage in the pond that opens up on either side to much wider areas.
    - The trees were leaning and showed evidence of rot, leading Mr. Guillen to think they presented a falling hazard to boaters traveling by.
    - He tried to prevent the trees from falling into the pond when he felled them but miscalculated.
    - As of today, all but one of the 8 trunks (ranging from 5-10 inches in diameter) has been removed; the 8<sup>th</sup> trunk is home to a yellow jacket nest which has delayed its removal.
  - Mr. Guillen gave H. Hampson permission to go onto his property the next day to check current conditions, including the soil line on the bank.
    - The tree stumps will have to stay given they protect the bank from erosion.
    - For any future work, Mr. Guillen now knows to contact H. Hampson.
  - Mr. Guillen was very sorry for his lack of knowledge that wetlands are protected resources, but J. Schmalenberger reassured him that he wasn't alone in this and thanked him for cooperating and coming in so quickly to meet with the Commission.



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# • Public Meeting: Request for Determination of Applicability – Pirone Park "Kiddie Junction" Playground Rebuild, Ayer Parks Department

- Randy Collins, Vice President of BETA Group Inc., was present.
  - Mr. Collins is acting as project manager and landscape architect for the project.
- Per the requirement of MassDEP, the original arsenic-contaminated playground was demolished in 2022, with 4-6 inches of contaminated soil removed as part of the remediation.
  - Most of the trees were also removed except for 3 oaks in the center that were saved and are hoped to survive the construction disruption.
- The re-design of the playground has opened the play area up a bit to create more distance from the oaks.
  - The project has also tried to keep as many of the improvements as possible outside of the 100-ft. Buffer Zone to Grove Pond, including the elimination of playground fencing on the pond side.
  - Work in the Buffer Zone includes some grading in an area where a slide will be installed as well as removing and relocating a portion of the Pirone Park Perimeter Path that passes through the area.
  - Erosion controls will continue to be used and replaced where necessary.
- Mr. Collins said they could add in more plantings and trees to increase the vegetated buffer to Grove Pond.
  - A rain garden had been considered but the proximity to first base at a nearby baseball field would make it a hazard to players.
  - BETA is not anticipating much stormwater runoff from the playground area once grass has been re-established.
- H. Hampson noted the playground, from its center, slopes down to the pond, and in the area where the slide will go, the change in grade goes from 227 ft. elevation to 223 ft.
- J. Schmalenberger said the big pile of debris that the Parks Department stores at the edge of the pond must be removed permanently and Parks advised accordingly.
- The Commission, having done numerous site walks in the area in the past, did not feel the need for another site walk.
- **VOTE:** G. Bacon moved to issue a Negative Determination of Applicability with the conditions of the permanent removal of the debris pile, restorative plantings to create a vegetated buffer, and inspection of erosion controls; M. Phillips 2<sup>nd</sup>.
  - Motion approved unanimously 5-0.
- Mr. Collins said equipment for the new playground has been ordered but will take up to 26 weeks for delivery (around December).
  - He expected contracted work to put in new soil, relocate the perimeter path walkway, and grade the area to take place in October-November.
  - The project will likely continue into spring 2024 before completion.
- Public Hearing (cont'd.): Notice of Intent 201-205 West Main Street, DMG Investments LLC, MassDEP # 100-0485



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- Drew Garvin, of Bohler Engineering, and Kian Hamill, of DMG Investments, were present on behalf of the application.
- This project proposes a mixed-use residential development, "West Ayer Village," and is currently before the Planning Board for Site Plan Review, Special Permitting, and a variance for parking.
  - The Commission and H. Hampson did a site walk on 7/29.
- In response to questions previously raised by H. Hampson, Mr. Garvin said the 2 proposed snow storage areas total 1500 sq. ft.
  - The amount of open pavement (i.e. not extending underneath the building) that would need to be plowed is currently 28,200 sq. ft.
    - Some plowed snow would therefore have to be trucked off site.
  - J. Schmalenberger and H. Hampson said the Commission's concern was that snow from previously treated pavement would still drainfrom the storage areas toward and into the flood plain and nearby Buffer Zone and wetlands, even if the storage areas themselves are not jurisdictional.
  - Mr. Hamill said snow storage procedures will be included in the Operations & Maintenance plan being developed.
    - J. Schmalenberger asked if trucking off plowed snow could just be the standard practice in the O&M plan and Mr. Hamill said yes.
- As for the Commission moving forward on the application, H. Hampson said the Planning Board was still making a decision about the extent of the project to be covered by a third-party peer review.
  - It is possible the Planning Board review might result in a change in layout that could affect the area under ConCom review; its next meetings are 8/22 and 9/12.
  - In addition, the project has yet to hear back from NHESP (Natural Heritage & Endangered Species Program).
  - It was felt best that the Commission not take this up again until its 9/14 meeting.
    - In the meanwhile, H. Hampson will have a provisional draft Order of Conditions ready by 9/11 for Mr. Garvin to review in advance.
- **VOTE:** G. Bacon moved to continue the Public Hearing for the West Main Street project, 100-0485, to 9/14/2023; M. Phillips 2<sup>nd</sup>.
  - Motion approved unanimously 5-0.
- Discussion: Proposed Minor Changes to Wetlands Bylaw, Ayer Bylaws Chapter 300 (formerly Article XXVI)
  - H. Hampson has been working on some minor revisions to the wetlands bylaw.
    - The bylaw was passed at Fall Town Meeting, 10/28/2019 (Article 7) and readopted with a new numbering system at Annual Town Meeting, 6/15/2020 (Article 32).
  - The revisions proposed by H. Hampson include:
    - strengthening the jurisdictional areas, including extending the Buffer Zone to vernal pools to 150 ft.;
    - adding in application fees for some permitting categories;



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- beefing up the Definitions section.
- H. Hampson provided commissioners with a copy of the bylaw with red-inked edits and additions, along with relevant samples supporting the revisions from other towns.
  - Commissioners should provide H. Hampson with feedback by 8/21.
- H. Hampson hopes to be able to schedule a Public Hearing on these revisions for 9/14 in order to include them in the October Special Town Meeting Warrant.

#### • Conservation Commission Office and Member Updates

- <u>Tree-cutting</u>
  - DPW Director Dan Van Schalkwyk contacted H. Hampson about a possible treecutting violation in the Buffer Zone at 138 Washington Street.
  - It is hard to tell where the tree cutting took place exactly so H. Hampson sent the property owner a copy of the plot plan and the Town's tree policy and asked the owner to contact her.
- Conservation Restrictions (CR)
  - Shaker Mill Pond subdivision
    - H. Hampson heard back from developer Dan Aho's attorney, Alan Shockett, and has emailed him a copy of Town Counsel's previous notes on the CR draft.
      - When she has a final CR draft from Mr. Shockett, she will circulate it to the Commission for review.
    - Meanwhile, she is also waiting to hear back from Mr. Shockett about the status of the needed Baseline Documentation.
  - John Carroll Reserve/Curley Circle subdivision
    - The CR was recorded several years ago.
    - Meanwhile, the developer is working on completing the Baseline Documentation for the CR and hopes to have it complete in time to seek street acceptance at Fall Town Meeting.
  - Panther Place subdivision
    - H. Hampson has not heard back yet from the subdivision's attorney.
    - She is also verifying that Planning Board requirements included provision that no Occupancy Permits be issued until the CR is complete.
- Waterways Signs Project
  - M. Phillips reminded H. Hampson about contacting Liddell Co. to provide replacement signs for the Sandy and Flannagan Pond signs that were stolen.
- 8:15 PM: Adjourn
  - **VOTE:** G. Bacon moved to adjourn; M. Phillips 2<sup>nd</sup>.
    - Motion approved unanimously 5-0.

#### Minutes Recorded and Submitted by Jessica G. Gugino, Clerk

#### Date / Signature of Approval: \_\_\_\_\_

# Request for a Determination of Applicability

# 91 Littleton Road Ayer, MA

August 2023

<u>Submitted to:</u> Town of Ayer Conservation Commission 1 Main Street Ayer, MA 01432

> <u>Submitted by:</u> Christopher Morin 150 Goldsmith Street Littleton, MA 01460

<u>Prepared by:</u> Goldsmith, Prest & Ringwall, Inc. 39 Main Street, Suite 301 Ayer, MA 01432

> <u>Project No:</u> 221059



## Massachusetts Department of Environmental Protection

Bureau of Water Resources - Wetlands

# WPA Form 1- Request for Determination of Applicability Ayer

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Municipality

computer, use only
the tab key to move
your cursor - do not
use the return key.
tab

return

Important: When filling out forms on the

Α.	General Information
1.	Applicant:

	11			
	Christopher	Morin		
	First Name Last Name			
	150 Goldsmith Street			
	Address			
	Littleton	MA	01460	
	City/Town	State	Zip Code	
	978-758-6040	cmm426@gmail.com		
	Phone Number	Email Address		
2.	Property Owner (if different from Applicant):			
	First Name	Last Name		
	Address			
	City/Town	State	Zip Code	
	Phone Number	Email Address (if known)		
3.	Representative (if any)			
	First Name	Last Name		
	Company Name			
	39 Main Street, Suite 301			
	Address			
	Ayer	MA	01432	
	City/Town	State	Zip Code	
	978-772-1590	ltiv@gpr-inc.com		
	Phone Number	Email Address (if known)		

### **B.** Project Description

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

91 Littleton Road	Ayer
Street Address	City/Town
42.54796	-71.55167
Latitude (Decimal Degrees Format with 5 digits after decimal e.g.	Longitude (Decimal Degrees Format with 5 digits after
XX.XXXXX)	decimal e.gXX.XXXXX)
36	20
Assessors' Map Number	Assessors' Lot/Parcel Number

and how to convert to decimal degrees

How to find Latitude and Longitude

b. Area Description (use additional paper, if necessary):

Proposed work area is limited to the existing paved parking area for the existing building on site.

C.	Plan and/or Map	Reference(s):	(use additional	paper if necessary	()
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"Ridge View Heights" Plan No. L-5020 by David E. Ross Associates, Inc.	March 1999	
Title	Date	
Title	Date	



Massachusetts Department of Environmental Protection Bureau of Water Resources - Wetlands WPA Form 1- Request for Determination of Applicability Ayer

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Municipality

## B. Project Description (cont.)

2. a. Activity/Work Description (use additional paper and/or provide plan(s) of Activity, if necessary):

The project proposed to decommission existing septic system within the limit of 100-ft wetland buffer limit and 200-ft Riverfront Area, and install new water and sewer services from existing mains located on Littleton Road. The proposed services shall be located outside of the 200-ft Riverfront Area but will still remain within the 100-ft wetland buffer limit.

b. Identify provisions of the 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 (use additional paper, if necessary).

310 CMR 10.53(3)(d) & 310 CMR 10.58(6)(b)

- 3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.
  - Single family house on a lot recorded on or before 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
  - Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
  - New agriculture or aquaculture project
  - Public project where funds were appropriated prior to 8/7/96
  - 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
  - Residential subdivision; institutional, industrial, or commercial project
  - Municipal project
  - District, county, state, or federal government project
  - Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

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



Massachusetts Department of Environmental Protection

Bureau of Water Resources - Wetlands

## WPA Form 1- Request for Determination of Applicability Ayer

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Municipality

### C. Determinations

- 1. I request the <u>Town of Ayer</u> make the following determination(s). Check any that apply: <u>Conservation Commission</u>
  - a. whether the **area** depicted on plan(s) and/or map(s) referenced above is an area subject to jurisdiction of the Wetlands Protection Act.
  - b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced above are accurately delineated.
  - ☑ c. whether the Activities depicted on plan(s) referenced above is subject to the Wetlands Protection Act and its regulations.
  - d. whether the area and/or Activities depicted on plan(s) referenced above is subject to the jurisdiction of any **municipal wetlands' ordinance** or **bylaw** of:

Ayer

Name of Municipality

e. whether the following **scope of alternatives** is adequate for Activities in the Riverfront Area as depicted on referenced plan(s).

### D. Signatures and Submittal Requirements

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 DEP Regional Office 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.

Signatures:

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

Signature of Applicant

Date

Signature of Representative (if any)

Date

#### NARRATIVE

#### to accompany

#### Request for a Determination of Applicability

#### 91 Littleton Road, Ayer, MA

#### GENERAL

The purpose of this project is to abandon the existing on-site water and septic system and connect to the municipal sewerage disposal system and water service off Littleton Road.

The project site is a 0.76 ac lot known as Map 36, Parcel 20 under the Ayer's assessor's department. There is an existing retail building located on the subject site, with paved parking areas located on both sides of the existing building adjacent to Littleton Road. The project site is located north adjacent to the Shaker Mill Pond and Bennetts Brook. There is existing septic system is located downgradient of the existing dwelling, and close to the resource areas and their associated buffer limits.

The project proposes to decommission and abandon the existing septic system by pumping out the septic tank, rupturing the bottom, plugging the inlet and filling the tank with clean sand. The project also proposes to connect to the municipal water service on Littleton Road and connecting to the municipal sewer service by installing a E-One grinder pump and provide a force main connection across Littleton Road and into an existing E-One pump located on Hickory Way.

The new services shall be located outside of the 200-ft Riverfront Area and will be located within an already disturbed paved parking area that is within the 100-ft wetland buffer limit of the Shaker Mill Pond.

#### JURISDICTION

The primary resource areas are the Shaker Mill Pond and Bennetts Brook located south of the subject site. The proposed scope of work is limited to the buffer limits associated with the resources areas as mentioned.

#### Land Under Water Bodies and Waterways (310 CMR 10.56)

The proposed limit of work is located within the 100-ft wetland buffer limit of the Shaker Mill Pond. The existing septic tank is located approximately 47.1 ft away from the resource area and the existing approximate location of the leaching field is approximately 20 ft away from the resource area. The proposed grinder pump system shall be installed approximately 38.2 ft away from the resource area, in an already disturbed paved parking area of the project site.

The proposed scope of work is also limited to the installation of utilities for an existing building, which may be permitted under 310 CMR 10.53(3)(d).

#### 200-Riverfront Area Redevelopment (310 CMR 10.58)

The proposed scope of work within the 200-ft Riverfront Area of the Bennetts Brook on site is limited to the decommissioning of the existing septic system. Said scope of work is temporary in

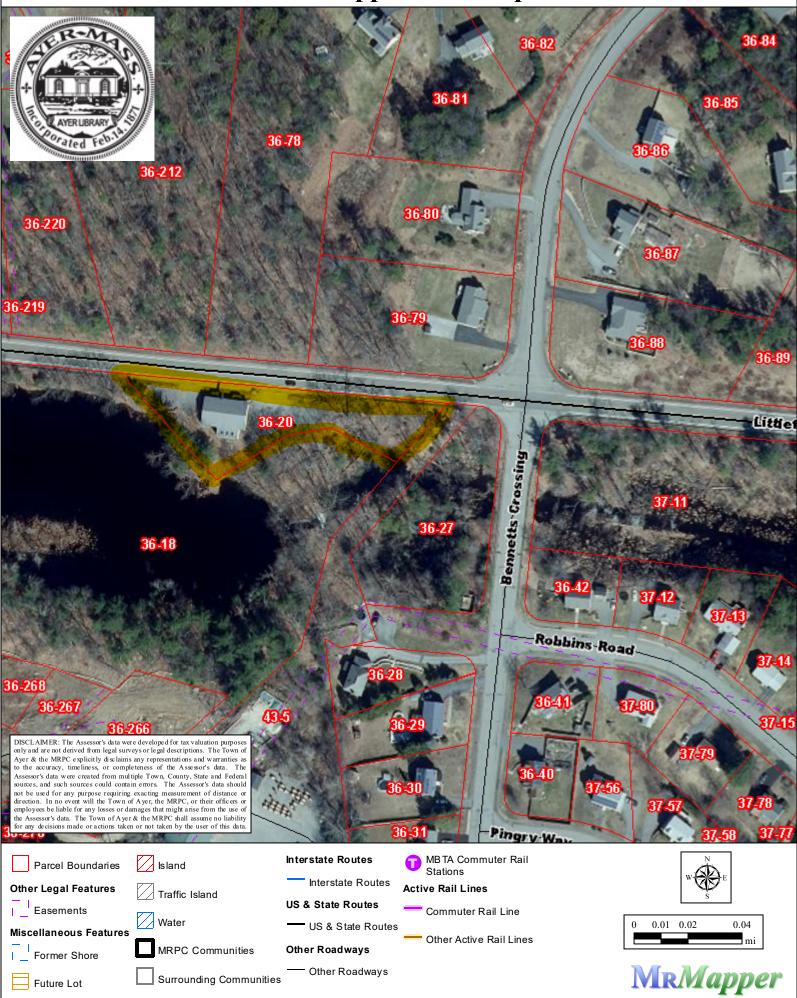
nature and should be considered as a Minor Activity under 310 CMR 15.02(b)(2)(g), therefore should be exempted from the requirements for the Riverfront Area per 310 CMR 10.58(6)(b).

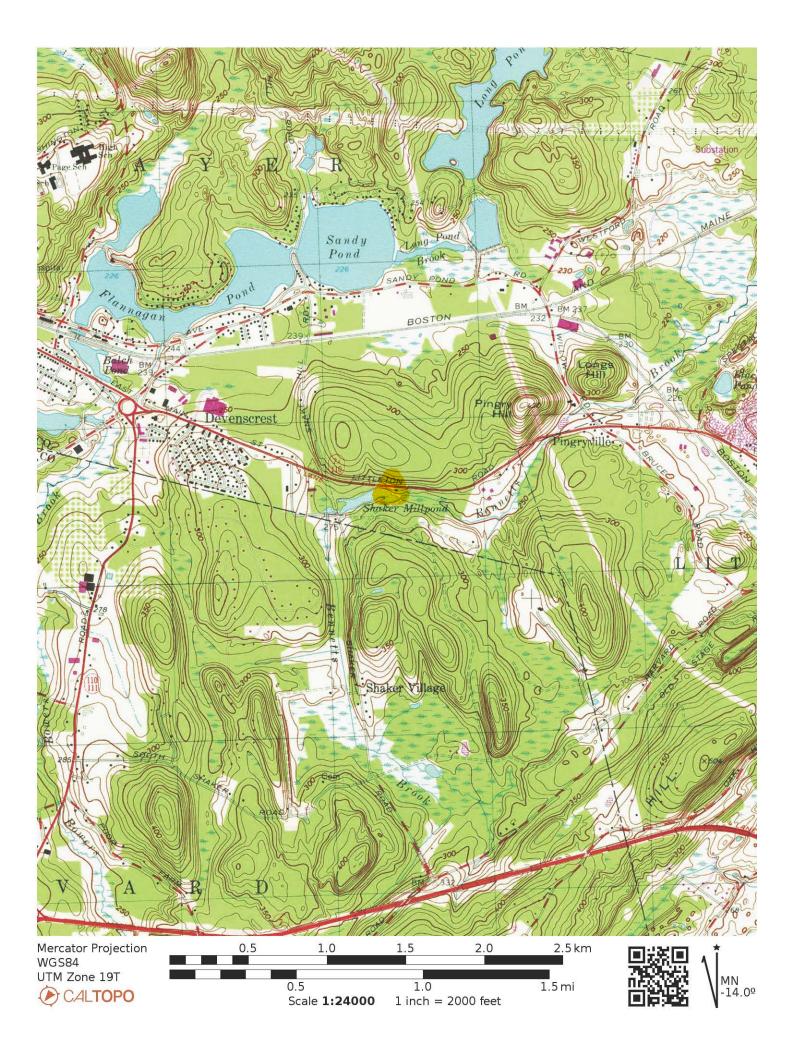
#### CONCLUSION

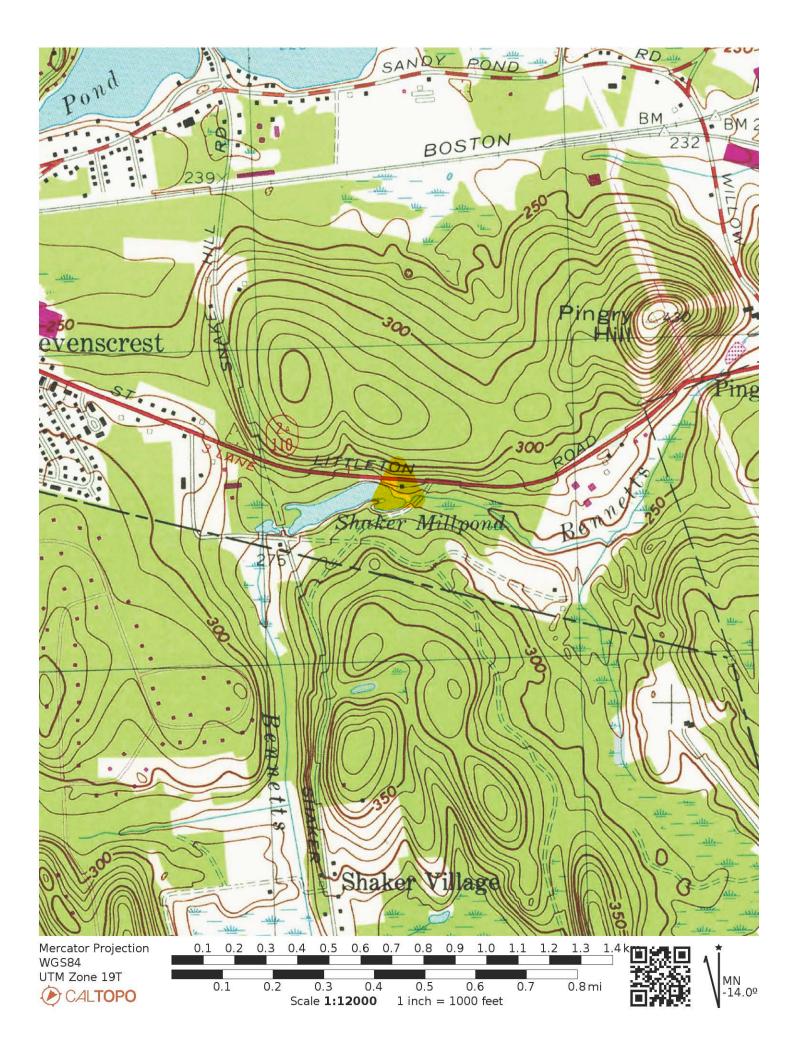
The project as a whole represents a substantial improvement in terms of environmental protection for the resource areas and their associated buffer limits on site. By decommissioning and abandoning the existing septic system close to the resource area, it will ensure that there will be no future disturbance associated with maintenance work within said area. The proposed service connections will be within an already disturbed area of the project site and will remain outside of the 200-ft Riverfront Area.

As the project is temporary in nature and limited to the construction of utility services as permitted under the sections as listed under 310 CMR 10, we request that the Board will make a negative determination whether the proposed scope of work would be subjected to the Massachusetts's Wetland Protection Acts and its regulations and the Town of Ayer's Wetland Bylaw.

# **MRMapper WebMap**







# National Flood Hazard Layer FIRMette



#### Legend

#### 71°33'25"W 42°33'6"M SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) Zone A. V. A9 With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X AREA OF MINIMAL FLOOD HAZARD OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - — – – Channel, Culvert, or Storm Sewer GENERAL STRUCTURES LIIII Levee, Dike, or Floodwall TownofAyer 250180 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Mase Flood Elevation Line (BFE) Limit of Study OODWA Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline** Zone AF FEATURES Hydrographic Feature **Digital Data Available** No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/31/2023 at 11:27 AM and does not reflect changes or amendments subsequent to this date and TOWN OF HARVARD time. The NFHL and effective information may change or DWAY become superseded by new data over time. 250308 This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, 5027C0316E legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for 71°32'47"W 42°32'39"N Feet 1:6,000 unmapped and unmodernized areas cannot be used for regulatory purposes. Λ 250 500 1,000 1.500 2.000

Basemap Imagery Source: USGS National Map 2023

August 1, 2023

Subject: 91 Littleton Road, Ayer, MA Tax Map 36, Parcel 20

To Whom It May Concern:

I hereby authorize Goldsmith, Prest & Ringwall, Inc., 39 Main Street, Suite 301, Ayer, MA, 978.772.1590, to act as my agent in administrative and civil engineering matters pertaining to the proposed utility service connections at the subject site. This authorization covers the execution of application forms, presentation of plans and designs, and communication with involved parties.

Respectfully,

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Christopher Morin 150 Goldsmith Street Littleton, MA 01460

Copy: Goldsmith, Prest & Ringwall, Inc. 221059

# EROSION AND SEDIMENT CONTROL REQUIREMENTS

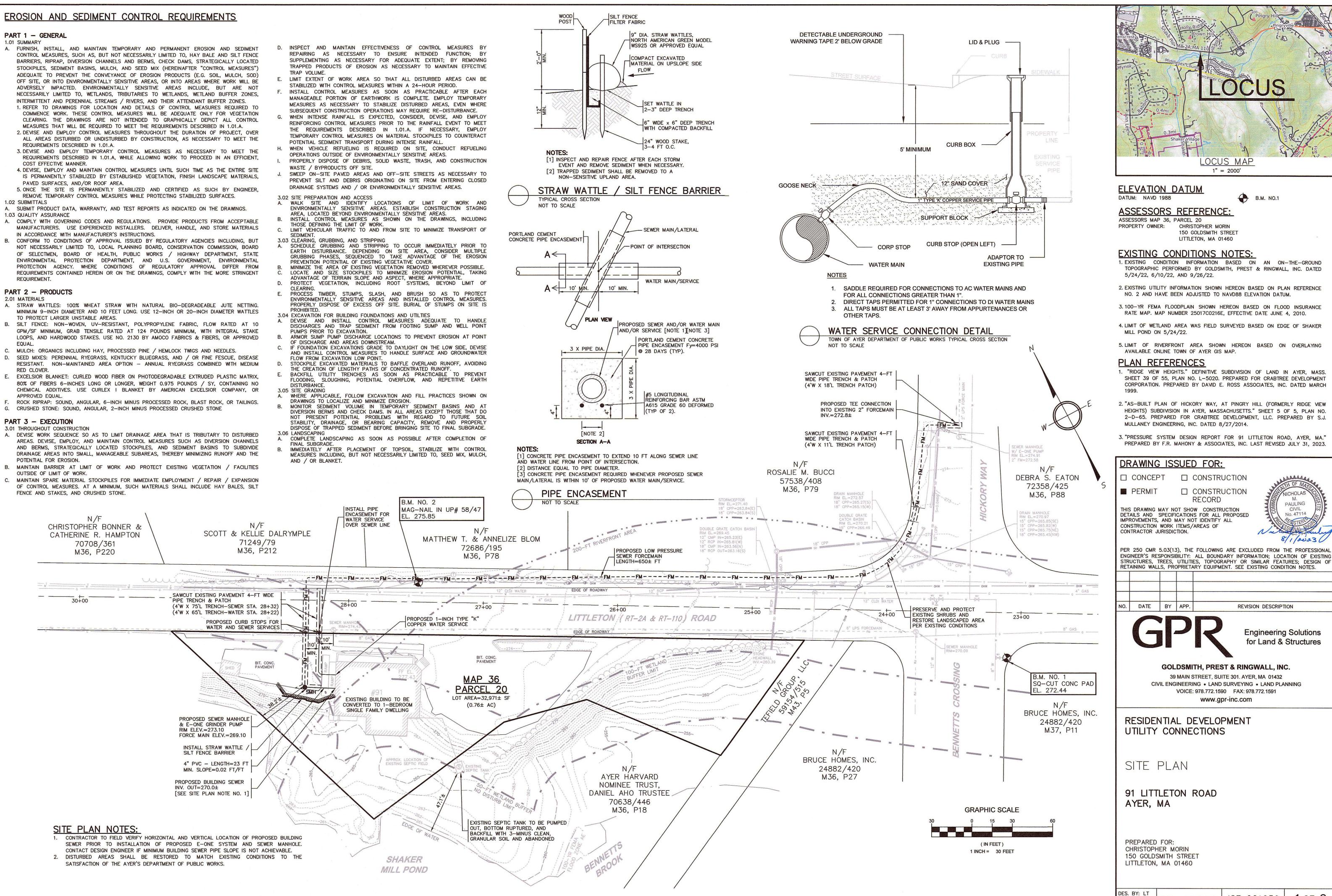
### PART 1 - GENERAL

- A. FURNISH, INSTALL, AND MAINTAIN TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS, BUT NOT NECESSARILY LIMITED TO, HAY BALE AND SILT FENCE BARRIERS, RIPRAP, DIVERSION CHANNELS AND BERMS, CHECK DAMS, STRATEGICALLY LOCATED STOCKPILES, SEDIMENT BASINS, MULCH, AND SEED MIX (HEREINAFTER "CONTROL MEASURES") ADEQUATE TO PREVENT THE CONVEYANCE OF EROSION PRODUCTS (E.G. SOIL, MULCH, SOD) OFF SITE, OR INTO ENVIRONMENTALLY SENSITIVE AREAS, OR INTO AREAS WHERE WORK WILL BE ADVERSELY IMPACTED. ENVIRONMENTALLY SENSITIVE AREAS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, WETLANDS, TRIBUTARIES TO WETLANDS, WETLAND BUFFER ZONES,
- 1. REFER TO DRAWINGS FOR LOCATION AND DETAILS OF CONTROL MEASURES REQUIRED TO COMMENCE WORK. THESE CONTROL MEASURES WILL BE ADEQUATE ONLY FOR VEGETATION CLEARING. THE DRAWINGS ARE NOT INTENDED TO GRAPHICALLY DEPICT ALL CONTROL MEASURES THAT WILL BE REQUIRED TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.
- ALL AREAS DISTURBED OR UNDISTURBED BY CONSTRUCTION, AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.
- REQUIREMENTS DESCRIBED IN 1.01.A, WHILE ALLOWING WORK TO PROCEED IN AN EFFICIENT, COST EFFECTIVE MANNER
- IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH LANDSCAPE MATERIALS, PAVED SURFACES, AND/OR ROOF AREA.
- REMOVE TEMPORARY CONTROL MEASURES WHILE PROTECTING STABILIZED SURFACES. 1.02 SUBMITTALS
- A. SUBMIT PRODUCT DATA, WARRANTY, AND TEST REPORTS AS INDICATED ON THE DRAWINGS.
- A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS FROM ACCEPTABLE MANUFACTURERS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS
- B. CONFORM TO CONDITIONS OF APPROVAL ISSUED BY REGULATORY AGENCIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, LOCAL PLANNING BOARD, CONSERVATION COMMISSION, BOARD OF SELECTMEN, BOARD OF HEALTH, PUBLIC WORKS / HIGHWAY DEPARTMENT, STATE ENVIRONMENTAL PROTECTION DEPARTMENT, AND U.S. GOVERNMENT, ENVIRONMENTAL PROTECTION AGENCY. WHERE CONDITIONS OF REGULATORY APPROVAL DIFFER FROM REQUIREMENTS CONTAINED HEREIN OR ON THE DRAWINGS, COMPLY WITH THE MORE STRINGENT REQUIREMENT.

### PART 2 - PRODUCTS

- A. STRAW WATTLES: 100% WHEAT STRAW WITH NATURAL BIO-DEGRADEABLE JUTE NETTING. MINIMUM 9-INCH DIAMETER AND 10 FEET LONG. USE 12-INCH OR 20-INCH DIAMETER WATTLES
- B. SILT FENCE: NON-WOVEN, UV-RESISTANT, POLYPROPYLENE FABRIC, FLOW RATED AT 10 GPM/SF MINIMUM, GRAB TENSILE RATED AT 124 POUNDS MINIMUM, WITH INTEGRAL STAKE LOOPS, AND HARDWOOD STAKES. USE NO. 2130 BY AMOCO FABRICS & FIBERS, OR APPROVED EQUAL.
- RED CLOVER.
- 80% OF FIBERS 6-INCHES LONG OR LONGER, WEIGHT 0.975 POUNDS / SY, CONTAINING NO CHEMICAL ADDITIVES. USE CURLEX I BLANKET BY AMERICAN EXCELSIOR COMPANY, OR APPROVED EQUAL. F. ROCK RIPRAP: SOUND, ANGULAR, 6-INCH MINUS PROCESSED ROCK, BLAST ROCK, OR TAILINGS.
- G. CRUSHED STONE: SOUND, ANGULAR, 2-INCH MINUS PROCESSED CRUSHED STONE

- A. DEVISE WORK SEQUENCE SO AS TO LIMIT DRAINAGE AREA THAT IS TRIBUTARY TO DISTURBED AREAS. DEVISE, EMPLOY, AND MAINTAIN CONTROL MEASURES SUCH AS DIVERSION CHANNELS AND BERMS, STRATEGICALLY LOCATED STOCKPILES, AND SEDIMENT BASINS TO SUBDIVIDE DRAINAGE AREAS INTO SMALL, MANAGEABLE SUBAREAS, THEREBY MINIMIZING RUNOFF AND THE POTENTIAL FOR EROSION.
- OUTSIDE OF LIMIT OF WORK.
- OF CONTROL MEASURES. AT A MINIMUM, SUCH MATERIALS SHALL INCLUDE HAY BALES, SILT FENCE AND STAKES, AND CRUSHED STONE.



1 OF 2

AUGUST 2023 JOB 221059

DATE:

CHK. BY: NMP

