APEX COMPANIES, LLC

Request for Determination of Applicability

Emergency Water Treatment Plant Project
Bridgewater, Massachusetts
April 2026

PREPARED FOR:

Bridgewater Conservation Commission
25 South Street
Bridgewater, MA 02324

Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

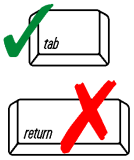
WPA Form 1- Request for Determination of Applicability

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

Bridgewater
Municipality

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:

William	Young	
First Name	Last Name	
25 South Street		
Address		
Bridgewater	MA	02324
City/Town	State	Zip Code
508-697-0910	wyoung@bridgewaterma.org	
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)

Danielle	Gallant	
First Name	Last Name	
Apex		
Company Name		
10 Orms Street		
Address		
Providence	Rhode Island	02904
City/Town	State	Zip Code
860-469-4474	danielle.gallant@apexcos.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):

1719 Plymouth Street	Bridgewater
Street Address	City/Town
41.98743	-70.91956
Latitude (Decimal Degrees Format with 5 digits after decimal e.g. XX.XXXXX)	Longitude (Decimal Degrees Format with 5 digits after decimal e.g. -XX.XXXXX)
39	4
Assessors' Map Number	Assessors' Lot/Parcel Number

How to find Latitude and Longitude

and how to convert to decimal degrees

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

Residential area, with municipal water distribution utilities.

c. Plan and/or Map Reference(s): (use additional paper if necessary)

Emergency Water Treatment System Plan Set	3/2026
Title	Date
Title	Date

B. Project Description (cont.)

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

Project proposes new PFAS, iron, manganese, water treatment facility within buffer zones on Town-owned property.

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).

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.)

C. Determinations

1. I request the Bridgewater (Conservation Commission) make the following determination(s). Check any that apply:

☐ 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:

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.

William Young — Signature of Applicant
4/20/2026 — Date

Danielle Gallant — Signature of Representative (if any)
4/20/2026 — Date

Table of Contents

1.0 Introduction 1
2.0 Existing Conditions 1
3.0 Work Proposed within Buffer Zones 1
4.0 Mitigation Measures 2
5.0 Summary 3

FIGURES

Figure 1: USGS Project Location Map

Figure 2: Aerial Photograph Project Location Map

Figure 3: FEMA Flood Maps

Figure 4: Environmental Resources Map

APPENDICES

Appendix A: Pinebrook Consulting Wetland Report

Appendix B: Abutter Notification

Appendix C: Project Plans

1.0 Introduction

Apex Companies LLC (Apex), on behalf of the Town of Bridgewater, Department of Public Works, is submitting this Request for Determination of Applicability (RDA) for the Emergency Water Treatment System Project (the Project). The Project includes construction of a new Water Treatment Plant (WTP) and associated features at the existing well site located at 1719 Plymouth Street. The purpose of the project is to provide the Town with a solution to its on-going drinking water quality and availability concerns.

The project is located in the northeast region of Bridgewater, in a residential area of Plymouth Street. The area is predominantly residential, with single family homes adjacent to the roadway. The project proposes installation of components of a new, per and polyfluoroalkyl (PFAS), iron and manganese drinking water treatment plant to address existing crucial water quality concerns within the Town. This work will include new concrete pads for PFAS treatment trailers and greensand filtration tanks, approximately 250 linear feet (lf) of new water main associated with the new PFAS treatment trailers and greensand filters, one new 42-ft by 222-ft infiltration basins/lagoon, repaving of existing paved access road, extending the existing access road southward via gravel road installation towards the infiltration basin site, and associated grading. In general, a minor portion of the work will result in temporary and permanent impacts to the 100-ft Buffer Zones to Bordering Vegetated Wetlands, as well as minor temporary impacts to the 25-ft No Disturb Zone. Sedimentation and erosion control barriers will be placed at the limits of resource areas and buffer zones to prevent the transport of sediment to downgradient resource areas.

The following sections address existing on-site jurisdictional resource areas, work proposed within and adjacent to these areas, and proposed measures to mitigate construction impacts.

2.0 Existing Conditions

A portion of the Plymouth Street Well site was previously delineated for existing potentially jurisdictional resources in the field by Pinebrook Consulting in September, 2025 for a water main rehabilitation and installation project, however the delineation did not extend beyond the southern terminus of the existing paved access road.

During their delineation, Pinebrook Consulting identified an isolated wetland (wetland flags IVWA00-IVWA05) and a bordering vegetated wetland (BVW) (WF-00-WF-34) in the northern portion of the site, adjacent to Plymouth Street and southward along the access road.

According to the Massachusetts Department of Environmental Protection's Geographic Information System wetlands layer, work proposed within the 100-foot (ft) Buffer Zone to Bordering Vegetated Wetlands includes approximately 250 lf of new water main associated with the new treatment plant, repaving of existing paved access road, and associated grading. In general, much of the work will result in temporary impacts, with minor permanent impacts within the 100-ft Buffer Zone to BVW for installation of new fire protection water hydrants. Minor temporary impacts to the Town-regulated 25-ft No-Activity Zone are proposed for installation of associated piping. For a summary of on-site resources, please see Appendix A for additional information in the wetland delineation memo provided by Pinebrook Consulting.

3.0 Work proposed within Buffer Zones

3.1 Access Roadway Repaving and Extension

3.1.1 Repaving of Existing Access Roadway

The existing paved access way, located off Plymouth Street, requires widening and repaving to accept construction equipment and components of the new WTP. A portion of the repaving of the opening will occur within the 100-ft Buffer Zone to BVW. No widening or addition of paved surfaces is proposed within resource areas or it's associated buffer zone. See Sheet C-3 for additional information.

3.1.2 Extension of Gravel Access Roadway

In addition to repaving and widening the entrance of the access roadway, the roadway will also need to be extended southward to provide access to the proposed location of the water treatment plant lagoon. This extension will encroach within the 100-ft Buffer Zone to BVW directly adjacent to Well 10A/10B and will result in minor permanent impacts in existing maintained lawn to gravel. See Sheet C-5 for additional information.

3.2 Water Treatment Plant Utilities

Well 10A/10B and the WTP PFAS treatment and greensand treatment will require installation of approximately 250-lf of water and backwash main within the 100-ft Buffer Zone to BVW, which will result in minor, temporary disturbance. See Sheet C-6 for additional information.

Before work starts, a row of staked compost filter socks will be installed at the limits of work within the 100-ft Buffer Zone to BVW as shown on the Project Plans in Appendix C to prevent the transport of sediment to downgradient wetland resources during construction.

The compost filter socks barrier will be inspected weekly and after all storm events and repaired as needed. The barrier will be left in place until the area is permanently stabilized. A stockpile of compost filter socks will be maintained on site for routine maintenance and emergency repairs. Compost filter socks will be replaced as necessary due to sediment build-up and degradation. Compost filter socks will be installed in front of gutter inlets and filter fabric will be installed in all grated catch basins. Construction equipment will have oil sorbent booms and speedy dry in the event of an oil or grease spill. Equipment will not be refueled in buffer zones and the contractor will be required to implement dust control measures during construction as well as the transport of materials to and from the site.

4.0 Mitigation Measures

The following precautions will be taken to prevent impacts to nearby wetland resource areas.

4.1 Construction Period

Controlling erosion and transport of sediment to the downstream wetland resource areas requires development of site-specific best management practices (BMPs), both structural controls as well as proper management of construction activities. Please refer to Appendix C - project plans for details on the erosion and sedimentation and control measures.

- Staked compost filter socks will be installed at the limit of work prior to commencement of construction to prevent the transport of sediment and debris to downgradient resource areas and to demarcate the limit of work. A stockpile of compost filter socks will be stored in an easily accessible location for routine maintenance and emergency repairs. The compost filter socks barrier will be inspected weekly and after all storm events and repaired as needed. The barrier will be left in place until the area is permanently stabilized.
- Work will proceed as rapidly as possible. Limiting the exposure time of disturbed soils to wind and precipitation will minimize the soil erosion and subsequent sedimentation.

- Maintenance and refueling of vehicles will take place outside of the 100-foot Buffer Zone to wetland resource areas.

4.2 Spill Control Measures

- Spill containment equipment (e.g., oil absorbent pads, oil absorbent materials, containment booms, shovels, etc.) will be stored in the equipment storage and refueling area in an easily accessible manner for use in the clean-up of accidental releases of fuel, hydraulic fluid, or other hazardous materials. Should there be an accidental release the proper authorities will be notified in accordance with all applicable federal, state, and local laws.
- To minimize the possibility of hydraulic fluid leaks, all hydraulic lines on all construction equipment and vehicles will be inspected at the end of each workday. If any excessive wear or leakage is observed, the line will be repaired prior to further use. In addition, a supply of oil absorbent materials (i.e., pads, "speedy dry," and/or booms) will be maintained with the equipment at the work area for immediate deployment in the event of an accidental release of fuel, hydraulic fluid, oil, etc.
- Any oil, hydraulic fluid, or other hazardous materials will be stored in original containers; fuels will be stored in tightly sealed containers which are clearly marked; and all such materials will be stored under a roof or in a covered enclosure.

4.3 Post Construction Measures

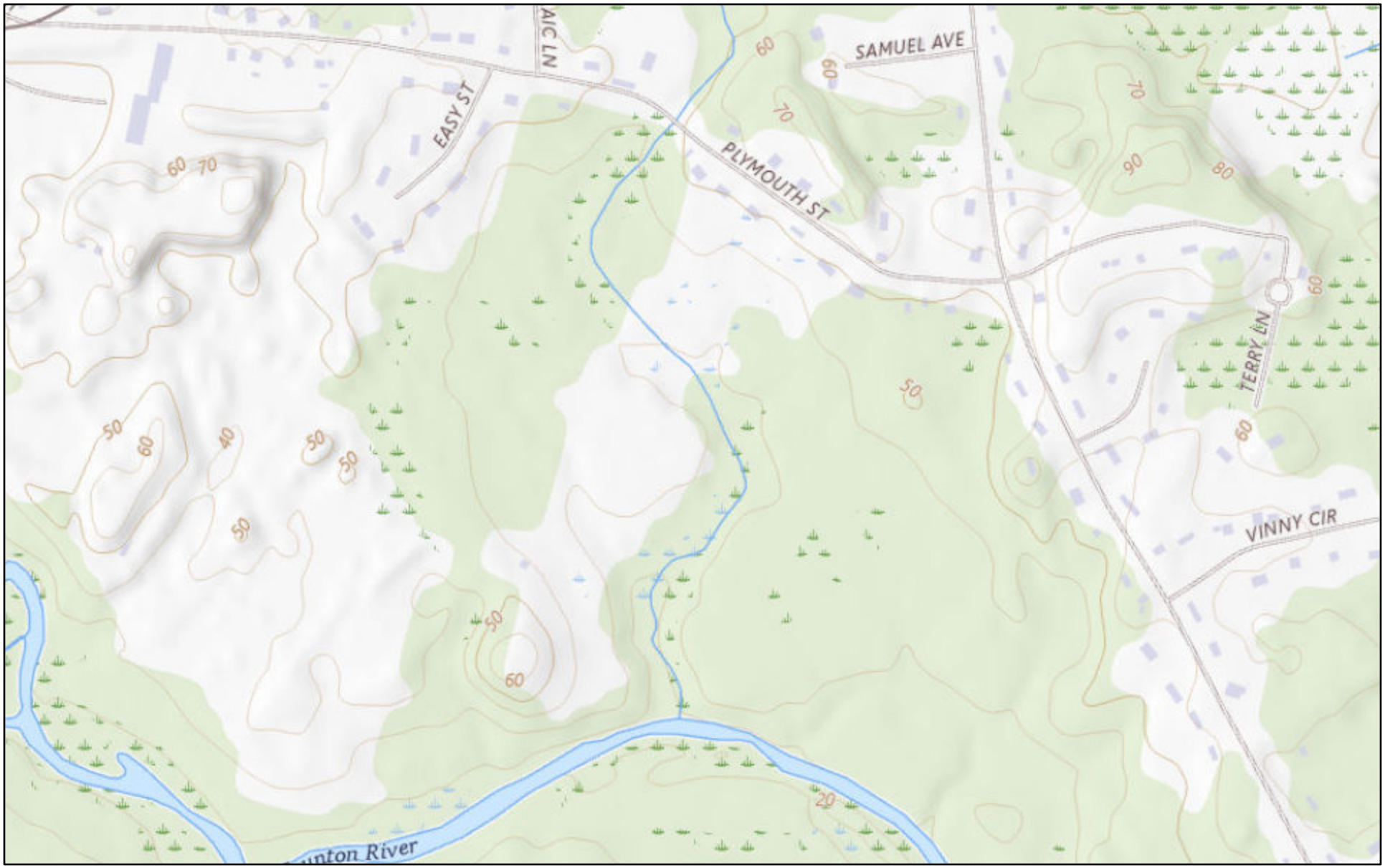
- The compost filter socks barrier will not be removed until a vegetative cover dense enough to prevent erosion is established.

5.0 Summary

The interests of the WPA and Regulations 310 CMR 10.00 and the Towns Wetlands Ordinance and Regulations will not be impaired as a result of this project. The project is designed to avoid impacts to resource areas and their associated buffer zones to the maximum extent practicable. It is our opinion that the project will not result in negative impacts to adjacent resource areas, and results to minor impacts to the 100-ft Buffer Zone only. Appropriate erosion and sedimentation control measures will be implemented throughout the course of construction to prevent the transport of sediment to nearby regulated resources.

Figures

Figure 1. USGS Project Location Map



4/20/2026

1:8,616

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography

Figure 2. Aerial Project Location Map

4/20/2026

1:8,616

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Vantor

National Flood Hazard Layer FIRMette

FEMA

70°55'28"W 41°59'28"N

70°54'51"W 41°59'2"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 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 with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 2/25/2026 at 11:59 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Figure 3. FEMA FIRMette

Figure 4. Environmental Resources Map

4/20/2026

1:8,616

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

MassDEP, Vantor

Wetland Labels

Wetland Outlines and Hydrologic Connections

Shoreline

Hydrologic Connection

Apparent Wetland Limit

Closure Line

Appendix A

Pinebrook Consulting Wetland Report

PINEBROOK CONSULTING

October 22, 2025

ENVIRONMENTAL PARTNERS GROUP
18 Commerce Way, Suite 2000
Woburn, Massachusetts 01801
Attention: Travis Johnson and Charles Adelsberger, Project Engineers

RE: Wetland Resource Area Delineation for Well 10A/10B and Water Main Improvement Project High Street and Plymouth Street, Bridgewater, Massachusetts

Dear Travis and Chuck:

On September 10, 2025, I investigated the above-referenced Well and roadway locations for the presence of wetland resource areas as defined under the Massachusetts Wetlands Protection Act (M.G.L. Chapter 131, Section 40) and the associated regulations, 310 CMR 10.00 (Regulations) and under the Town of Bridgewater Wetlands Protection By-laws (By-law). More specifically, High Street from the High Street Water Treatment Plant (WTP) to the Well 10 pump station site on Plymouth Street; and Plymouth Street from High Street to the vicinity of #1685 and #1686 Plymouth Street. The purpose of the investigation was to identify the wetland resource areas within the 100-foot buffer zone and/or the 100 and 200-foot riverfront area of the proposed Well 10 and Water Main Improvement Project proposed by the Town of Bridgewater. The following provides a description of my findings for each referenced Location (Project Site).

High Street from the WTP to Well 10 Pump Station Site

The wetland resource areas identified on and, in the vicinity of High Street from the WTP to and including the Well 10 pump station site, are defined under Section 10.54, 10.56, 10.55 and 10.58 of the Regulations and under the By-law as bank, land under a waterbody/waterway, bordering vegetated wetland (BVW) and riverfront, respectively. An unnamed perennial stream ("river" (River)); that is located off High Street, in the vicinity of Plain Street; was delineated with blue flags labeled MHW-1 thru MHW-2; MHW-100 thru MHW-101; MHWA-1 thru MHWA-2; and MHWA-100 thru MHWA-101. In this instance; because the bank of the River that confines the LUWW is fairly well-defined, with some bankfull conditions, and the MHW flags are placed on the top of the bank and or where the River overtops the bank; the MHW flags are the point from which the 100 and 200-foot riverfront area is measured onto the Project Site. A fringe of BVW; located upgradient of the both sides of the River; was delineated with pink flags labeled WFB-1 thru WFB-10 and WFC-1 thru WFC-6 and another BVW; located in the vicinity of #1499 High Street was delineated with flags WFA-1 thru

WFA-9. A BVW system located on the Well 10 Pump Station site off Plymouth Street, in the vicinity of #1703 and #1715 Plymouth Street, was delineated with flags labeled WF-1 thru WF-35 and WF-100 thru WF-134. The WF and WF100 flag series closely follow the edge of the access roadway into the Well/Pump Station site. Two isolated wetlands (IW's), protected under the By-law, were also delineated in the vicinity of the access roadway and at the rear of the property at #1715 Plymouth Street with flags labeled IVW-1 thru IVW-6 and IVWA-1 thru IVWA-5 (see the attached sketch of the wetland resource area flags for the approximate location of the referenced wetland flags).

Plymouth Street from High Street

The wetland resource areas identified on Plymouth Street from High Street to the vicinity of #1685 and #1686 Plymouth Street are defined under Section 10.55 of the Regulations and under the By-law as BVW. The BVW's were delineated with pink flags labeled WFE-1 thru WFE-10; and WFF-1 thru WFF-6. A small drainage ditch-like structure, resulting from a pipe in the Street, was delineated with flags labeled WFD-1 thru WFD-3; the ditch does not convey flow, but instead dead ends, holds a small amount of water periodically but does not exhibit any flow conditions (see the attached sketch for the approximate location of the referenced resource area flags).

The boundary of the BVW's delineated at each Project Location are fairly well-defined by the slope and/or the presence of wetland, transitional and upland plant species such as: and were identified by both the slope and/or the presence of wetland, transitional and upland plant species such as: red maple (Acer rubrum), white pine (Pinus strobus), grey birch (Betula populifolia), tupelo (Nyssa sylvatica), black cherry (Prunus serotina) red oak (Quercus rubra) and white oak (Quercus alba) trees/saplings in the overstory; sweet pepperbush (Clethra alniflia), red osier dogwood (Cornus stolonifera), multiflora rose (Rosa multiflora), arrow-wood (Viburnum dentatum), autumn olive (Elaeagnus umbellata), highbush blueberry (Vaccinium corymbosum), green brier (Smilax glauca), bittersweet (Celastrus orbiculata), grape (Vitus, spp.), tartarian honeysuckle (Lonicera tartartica) and glossy buckthorn (Rhamnus frangula) in the shrub/vine layer; and cinnamon fern (Osmunda cinnamomea), Canada goldenrod (Solidago canadense), hayscented fern (Dennstaedtia punctilobula), spotted jewelweed (Impatiens capensis), Massachusetts fern (Theylypteris simulata), sensitive fern (Onoclea sensibilis), wrinkle-leaf goldenrod (Solidago rugosa), poison ivy (Toxicodendron radicans) and sedges (Carex, spp.) in the herbaceous layer. The River exhibits hydrological indicators such as water marks and drift lines; the BVW's standing water, buttressed tree roots and/or saturated/hydric soils. It is my understanding that the resource area flags are to be surveyed and shown on a Plan to be submitted with either a Request for Determination of Applicability (RDA) or Notice of Intent (NOI) to the Bridgewater Conservation

Commission.

According to the most recent Massachusetts Natural Heritage Program (NHESP) Atlas (15th Edition) dated August 1, 2021, the Project Locations are not mapped as estimated and priority habitat for rare wildlife and/or rare species and there are no certified/mapped vernal pools within; in the vicinity of; the Project Locations.

If you have any questions regarding these findings and/or you need additional information, please feel free to call me at any time. I am glad I could assist you with this project, and let me know if I can be of any help in the future.

Sincerely,
PINEBROOK CONSULTING

Brooke Monroe
Environmental Scientist

October 23, 2025

ENVIRONMENTAL PARTNERS GROUP
18 Commerce Way, Suite 2000
Woburn, Massachusetts 01801
Attention: Travis Johnson and Chuck Adlesberger, Project Engineers

INVOICE FOR SERVICES
Wetland Delineation Letter Report for Well 10 and Water Main Improvement Project, Plymouth/High Street, Bridgewater, Massachusetts

Labor

- Wetland resource area delineation at the above-referenced locations. Sequentially numbered flags were placed in the field to delineate the resource areas. The delineation was conducted on September 10, 2025.

- Preparation of a Letter/Report describing the wetland delineation. The Letter was prepared on October 22, 2025.

Total amount invoiced for labor.....$780.00

Supplies/Fees

- Not applicable.

Total amount invoiced.....$780.00

Thank you.
Brooke Monroe
PINEBROOK CONSULTING
28 Briggs Avenue
Plymouth, MA 02360

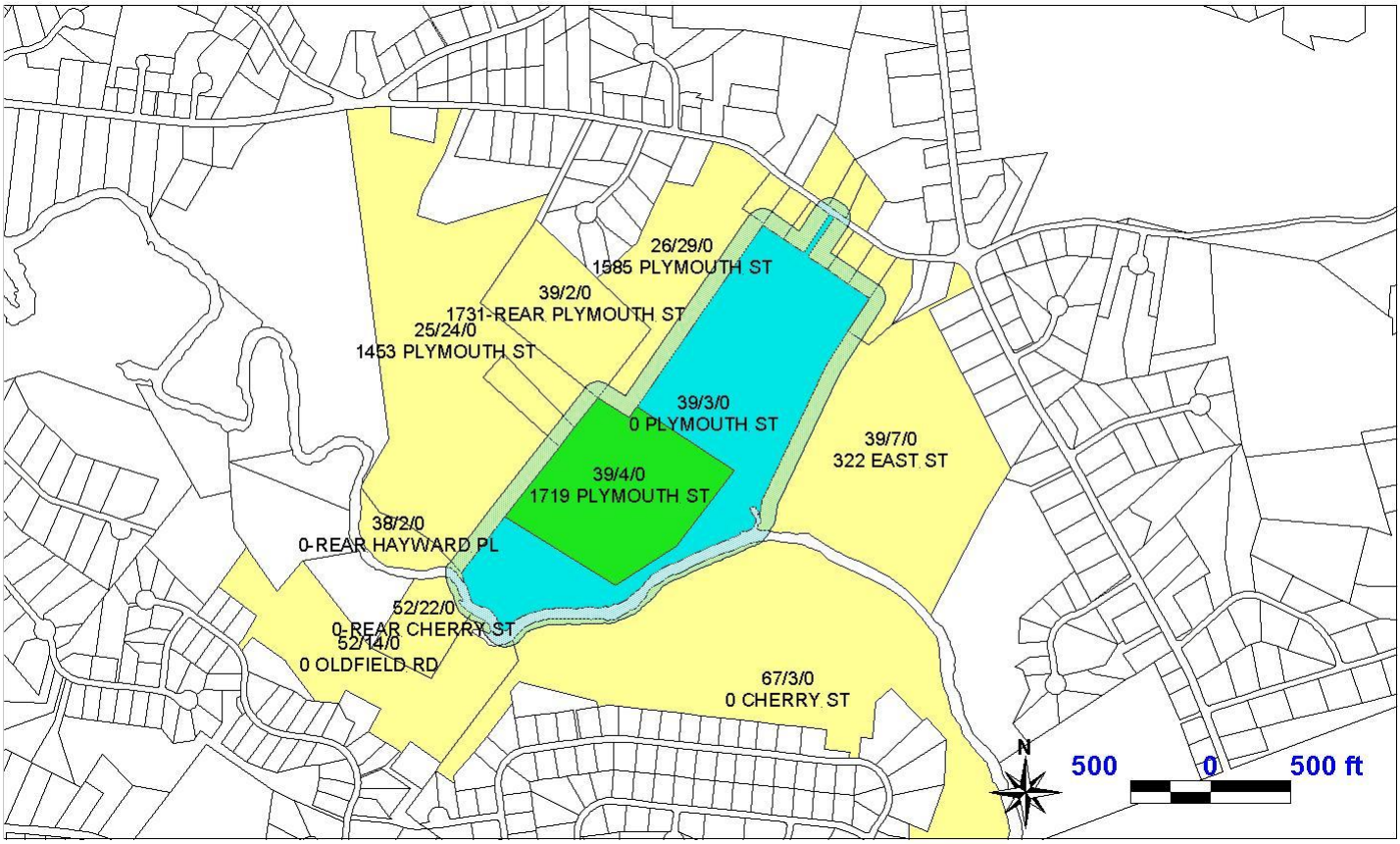
Appendix B

Abutter Notification

AB 39-3 & 39-4 PLYMOUTH STREET OWNER: TOWN OF BRIDGEWATER 2/25/26
PETITIONER: DANIELLE GALLANT / APEX COMPANIES 860-469-4474
LIST FOR: CONSERVATION COMMISSION ABUTTERS WITHIN 100'

TOWN OF BRIDGEWATER, MA
BOARD OF ASSESSORS
66 Central Square

Abutters List Within 100 feet of Abutters to Parcel 39/4/0



1950	25-24-0-R	B R S INC	1453 PLYMOUTH ST	1453 PLYMOUTH ST	BRIDGEWATER	MA	02324
2540	26-26-0-R	WILLIAMSON KERRI A	1708 PLYMOUTH ST	1708 PLYMOUTH ST	BRIDGEWATER	MA	02324
2592	26-29-0-R	ARRUDA JOSEPH A TRUSTEE MARY-LOU TRUST	1585 PLYMOUTH ST	369 CHURCH STREET	RAYNHAM	MA	02767
2542	26-61-0-R	SITARZ ANDREW MICHAEL & DRAPER CHELSEA MIA	1720 PLYMOUTH ST	1720 PLYMOUTH ST	BRIDGEWATER	MA	02324
2544	26-62-0-R	SHAW KEVIN	1740 PLYMOUTH ST	1740 PLYMOUTH ST	BRIDGEWATER	MA	02324
7672	26-72-0-R	PIERCE WENDY TRUSTEE PLYMOUTH STREET REALTY TRUST	1685 PLYMOUTH ST	1685 PLYMOUTH ST	BRIDGEWATER	MA	02324
3656	38-2-0-R	ARRUDA JOSEPH A TRUSTEE MARY LOU TRUST	0-REAR HAYWARD PL	369 CHURCH ST	RAYNHAM	MA	02767
3660	39-1-0-R	KIRKER DANIEL G & ARRUDA JOSEPH A TRUSTEES	0-REAR PLYMOUTH ST	1453 PLYMOUTH ST	BRIDGEWATER	MA	02324

AB 39-3 & 39-4 PLYMOUTH STREET OWNER: TOWN OF BRIDGEWATER 2/25/26
PETITIONER: DANIELLE GALLANT / APEX COMPANIES 860-469-4474
LIST FOR: CONSERVATION COMMISSION ABUTTERS WITHIN 100'

6226	39-2-0-R	BRS INC	1731-REAR PLYMOUTH ST	1453 PLYMOUTH ST	BRIDGEWATER	MA	02324
6227	39-3-0-E	BRIDGEWATER TOWN OF	0 PLYMOUTH ST	66 CENTRAL SQUARE	BRIDGEWATER	MA	02324
6228	39-4-0-E	BRIDGEWATER TOWN OF	1719 PLYMOUTH ST	66 CENTRAL SQUARE	BRIDGEWATER	MA	02324
3699	39-5-0-R	BREAULT HEATHER M	1753 PLYMOUTH ST	1753 PLYMOUTH ST	BRIDGEWATER	MA	02324
3696	39-7-0-E	WILDLANDS TRUST OF SOUTHEASTERN MASS INC	322 EAST ST	675 LONG POND ROAD	PLYMOUTH	MA	02360
10339	39-30-0-R	NELSON FRANK C & ILDA	1701 PLYMOUTH ST	1701 PLYMOUTH ST	BRIDGEWATER	MA	02324
10340	39-31-0-R	BROWN DAVID & CATHERINE TRUSTEES 1715 PLYMOUTH STREET REALTY TRUST	1715 PLYMOUTH ST	1715 PLYMOUTH ST	BRIDGEWATER	MA	02324
10341	39-32-0-R	WYMAN ARTHUR N & RICHARD & ROBERT TRUSTEES	1731 PLYMOUTH ST	105 BRIDGESTONE WAY	BRIDGEWATER	MA	02324
10343	39-33-0-R	SOUSA KENNETH & CONSTANCE SOUSA-SOUSA TRUSTEES OF SOUSA FAMILY 2019 REV TRUST	1743 PLYMOUTH ST	1743 PLYMOUTH ST	BRIDGEWATER	MA	02324
10342	39-34-0-R	DACEY ROBERT M & MULCAHY MAUREEN C	1749 PLYMOUTH ST	1749 PLYMOUTH ST	BRIDGEWATER	MA	02324
4323	52-14-0-E	WILDLANDS TRUST INC	0 OLDFIELD RD	675 LONG POND ROAD	PLYMOUTH	MA	02360
6841	52-22-0-R	HILL WARREN	0-REAR CHERRY ST	-	BRIDGEWATER	MA	02324
6142	67-3-0-E	WILDLANDS TRUST INC	0 CHERRY ST	675 LONG POND ROAD	PLYMOUTH	MA	02360

I hereby certify this to be a true and accurate listing of owners with the most recent tax listing in the Town of Bridgewater, MA.

Michelle Burgess, CAA
Assistant Assessor

NOTICE OF PUBLIC HEARING
CONSERVATION COMMISSION
BRIDGEWATER, MASSACHUSETTS

In accordance with Massachusetts General Laws, Chapter 131, Section 40 and the Town of Bridgewater Local Wetland Bylaw, the Bridgewater Conservation Commission will hold a public hearing on May, 14, 2026, for a Request for Determination of Applicability filed by Town of Bridgewater Department of Public Works. The applicant proposes site work for a new, interim, water treatment plant to treat per and polyfluoroalkyl (PFAS), iron, and manganese. Work includes the extension of an existing paved access road, site grading for placement of concrete siting pads, and associated piping. The property is owned by the Town of Bridgewater and is located at 1719 Plymouth Street, Map 39, Lot 4. Please contact the Bridgewater Conservation Office at (508) 697-0950 for the time and location or link for virtual participation. All interested parties are encouraged to attend. Agenda can be found at www.bridgewaterma.org, at least 48 hours prior to the meeting date.

Notice published in the Enterprise on May 4th.

Instructions:

The public hearing notice must be run in the Enterprise at least 5 business days prior to the date of the hearing. Contact legals@wickedlocal.com to submit your ad.

You must obtain a certified abutters list from the Assessor's Office

All abutters within 100 feet of your property must be sent a copy of the hearing notice by certified mail, return receipt requested. It takes the Assessor's office 7-10 days to process an abutter's listing request. Scan or mail proof of the mailing.

Once you receive a copy of the tear sheet from the ad in the Enterprise, send proof of such via email to the office (CED@bridgewaterma.org) .

WITHOUT THE GREEN CARDS AND A COPY OF THE TEAR SHEET FROM THE ENTERPRISE, THE COMMISSION CANNOT OPEN THE HEARING.

Appendix C

Project Plans

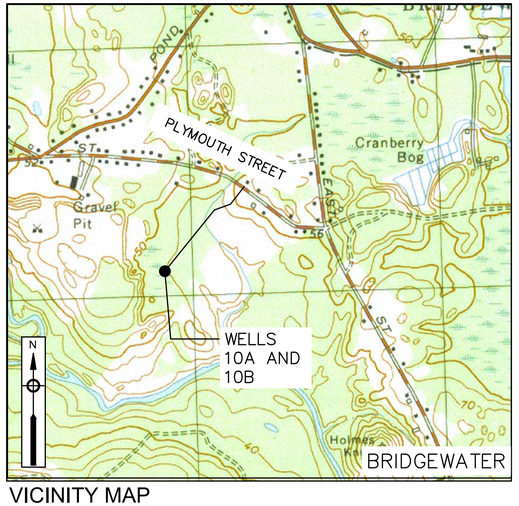
EMERGENCY WATER TREATMENT SYSTEM PROJECT

TOWN OF BRIDGEWATER
BRIDGEWATER, MASSACHUSETTS

BRIDGEWATER PUBLIC WORKS DEPARTMENT
AZUANUKA ETONIRU, PE, PLS, DIRECTOR
WILLIAM YOUNG, WATER SUPERINTENDENT

FOR BIDDING
MARCH 2026

APEX



VICINITY MAP
1"= 2000'

GENERAL NOTES:

1. BASE MAP INFORMATION FOUND ON DESIGN SHEETS IS FROM A DRONE SURVEY PERFORMED BY APEX COMPANIES, LLC IN SEPTEMBER 2025,A GROUND INSTRUMENT SURVEY PERFORMED BY LANDTECH CONSULTANTS, INC. IN FEBRUARY 2026, AND SUPPLEMENTED BY RECORD INFORMATION PROVIDED BY THE TOWN OF BRIDGEWATER. THE BASIS OF BEARING FOR ALL SURVEYS IS AN APPROXIMATED NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) AND THE HORIZONTAL DATUM USED IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83). PROPERTY LINE INFORMATION IS TAKEN FROM MASSGIS AND IS APPROXIMATE ONLY. GAS, ELECTRIC, TELEPHONE, AND CABLE/TELEVISION UTILITY INFORMATION SHOWN ON ALL SHEETS IS TAKEN FROM RECORD INFORMATION SUPPLIED BY THE UTILITY PROVIDER. IT IS NOTED THAT ADDITIONAL UTILITY PIPES AND STRUCTURES MAY EXIST.
2. WETLANDS RESOURCE AREA DELINEATION PERFORMED BY PINEBROOK CONSULTING ON SEPTEMBER 10, 2025 AND SUPPLEMENTED BY MASSGIS NWI WETLANDS LAYER.
3. IN AREAS WHERE CONSTRUCTION ACTIVITIES ARE ANTICIPATED TO OCCUR ADJACENT TO PRIVATE PROPERTY, PROPERY LINE LOCATIONS ARE TO BE REVIEWED WITH THE CITY PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES, PRIVATE PROPERTY OR WITHIN 100 FEET OF WETLANDS, UNLESS DIRECTED TO DO SO BY THE CONTRACT DOCUMENTS.
5. NORTH DIRECTION SHOWN IS APPROXIMATE.
6. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS IN ADVANCE, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO ANY EXCAVATION.
7. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSION AND STATIONING SHALL PREVAIL. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
9. THE CONTRACTOR SHALL RESTORE ALL PUBLIC AND PRIVATE PROPERTY TO ITS PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER.
10. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE TOWN, SHALL REPAIR ANY EXISTING SEWERS, STORM DRAIN LINES, IRRIGATION LINES, CULVERTS, OR OTHER UNDERGROUND UTILITIES DAMAGED DURING CONSTRUCTION.
11. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTIFICATION TO THE RESPECTIVE UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
12. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURE CAUSED BY, OR RESULTING FROM, THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION, OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY AND THE CITY.
13. THE CONTRACTOR IS TO TAKE SPECIAL CARE NOT TO DAMAGE TREES, BUSHES, PLANTS, FLOWERS, STONEWALLS, FENCES, ETC. WITHIN THE CONSTRUCTION AREA UNLESS THEY ARE NOTED TO BE REMOVED. CONTRACTOR SHALL REPLACE AT NO COST TO OWNER, ALL DAMAGED ITEMS.
14. CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY THEIR CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, AND TO THE SATISFACTION OF THE CITY AND ENGINEER.
15. ANY TRAFFIC SIGNAL EQUIPMENT (LIGHTS, CONDUITS, LOOP DETECTORS) DISTURBED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS DIRECTED BY THE TOWN AT THE CONTRACTOR'S EXPENSE.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
17. THE CONTRACTOR SHALL FURNISH AND MAINTAIN A TELEPHONE NUMBER WHERE THE CONTRACTOR CAN BE REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
18. THE LOCATION AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO THE TOWN. THE CONTRACTOR SHALL LIMIT THEIR ACTIVITIES TO THESE AREAS.
19. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR WORK IN ROADWAYS AND FOR BLASTING. THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO ALL PERMITS AS AN INTEGRAL PART OF THE WORK.
20. THE CONTRACTOR SHALL HANDLE GROUNDWATER, WHERE ENCOUNTERED, IN AN APPROVED MANNER. DURING ANY DEWATERING, THE CONTRACTOR SHALL USE STONE AROUND THE SUCTION END TO MINIMIZE DISCHARGE OF TRENCH MATERIALS. THE DISCHARGED WATER SHALL PASS THROUGH FILTER FABRIC.
21. UTILITY INVERT INFORMATION IS PRESENTED FOR THE CONTRACTOR'S USE. DRAINAGE INFORMATION IS BASED ON DEPTH FROM EXISTING GRADE TO INVERT. INFORMATION PROVIDED DOES NOT RELIEVE CONTRACTOR FROM FIELD VERIFICATION OF ALL UTILITY CROSSINGS TO AVOID CONFLICTS AND MAKE REQUIRED CHANGES AND ADJUSTMENTS IN WATER MAIN DEPTH DURING INSTALLATION.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, SETTING UP, AND REMOVING ALL SIGNAGE, CONES, BARRICADES, BARRELS, AND OTHER TRAFFIC CONTROL DEVICES ON A DAILY BASIS.
23. THE CONTRACTOR SHALL SUBMIT A TRAFFIC MANAGEMENT PLAN TO THE BRIDGEWATER POLICE DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.

WATER MAIN NOTES:

1. ALL HYDRANT BRANCHES SHALL HAVE ANCHOR TEES AND VALVES AS SHOWN ON THE HYDRANT ASSEMBLY DETAIL.
2. THE CONTRACTOR SHALL STAKE OUT ALL HYDRANT LOCATIONS AT LEAST 3 DAYS IN ADVANCE OF INSTALLATION. LOCATION OF ALL HYDRANTS SHALL BE VERIFIED BY THE BRIDGEWATER FIRE DEPARTMENT, ENGINEER, AND OWNER PRIOR TO DIGGING FOR INSTALLATION.
3. MINIMUM COVER OVER THE PROPOSED WATER MAIN, SERVICES, AND APPURTENANCES SHALL BE 5'-0" UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER. WHERE NECESSARY, NEW WATER MAINS SHALL BE INSTALLED AT A GREATER DEPTH TO CLEAR OBSTACLES SHOWN ON THE DRAWINGS AT NO ADDITIONAL COST TO THE OWNER. MINIMUM CLEARANCES TO UTILITIES, AS SHOWN ON THE DRAWINGS, SHALL BE MAINTAINED.
4. TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER TO DETERMINE WHETHER TO RAISE OR LOWER THE PROPOSED WATER MAIN TO CLEAR EXISTING UTILITIES OR MEET EXISTING WATER MAINS.
5. EXISTING SERVICES SHALL NOT BE CONNECTED TO THE PROPOSED WATER MAIN UNTIL SATISFACTORY PRESSURE TEST AND DISINFECTION RESULTS HAVE BEEN RECEIVED AND ACCEPTED BY THE OWNER AND ENGINEER.
6. EXISTING WATER MAINS OR SERVICES SHALL NOT BE ABANDONED WITHOUT THE APPROVAL OF THE OWNER.
7. WATER SERVICE SHALL NOT BE INTERRUPTED MORE THAN 4 HOURS WITHOUT PRIOR APPROVAL OF THE OWNER.
8. ANY HYDRANT WHICH IS NOT IN SERVICE SHALL BE COVERED WITH A SECURELY FASTENED BURLAP BAG (OR EQUAL).
9. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES OR HYDRANTS WHICH HOLD WATER IN THE SYSTEM. THE OWNER WILL, ON 24 HOURS NOTICE FROM THE CONTRACTOR, OPEN AND/OR CLOSE ANY VALVES OR HYDRANTS REQUIRED FOR DRAINING OR ADMITTING WATER TO THE VARIOUS SECTIONS OF THE WATER MAINS.
10. SOME WATER SERVICE CONNECTIONS MAY NOT BE SHOWN ON THE DRAWINGS. THE OWNER WILL MARK THE LOCATION OF SUCH CONNECTIONS, PROVIDED THE CONTRACTOR GIVES THE OWNER AT LEAST ONE WEEK ADVANCE NOTICE.
11. OPEN TRENCHES MUST BE BACKFILLED AT THE END OF THE WORKDAY.
12. CONTRACTOR TO PERFORM BACKFILL COMPACTION TESTING FOR THE ENTIRE PROJECT. COMPACTION TESTING SHALL BE NUCLEAR DENSITY GAUGE TESTS EVERY 200 LINEAR FEET OF TRENCHING AND AS DICTATED IN PROJECT SPECIFICATIONS.
13. THE CONTRACTOR IS REQUIRED TO NOTIFY AND COORDINATE WITH THE RESIDENTS ALL WATER MAIN SHUT DOWNS 72 HOURS IN ADVANCE.
14. CONCRETE THRUST BLOCKS AND "MEGA-LUG" (OR APPROVED EQUAL) MECHANICAL JOINT RESTRAINTS ARE REQUIRED AT ALL TEES, BENDS, PLUGS, AND HYDRANTS.
15. WATER SERVICES SHALL BE INSULATED IN AREAS WHERE CONNECTION TO EXISTING WATER SERVICE IS LESS THAN 4 FEET DEEP.
16. VALVE DECOMMISSIONING – CLOSE VALVE, REMOVE AND LEGALLY DISPOSE OF GATE BOX, BACKFILL, AND PAVE ACCORDING TO TYPICAL TRENCH DETAIL.
17. HYDRANT DECOMMISSIONING – CUT AND CAP HYDRANT LATERAL, REMOVE AND LEGALLY DISPOSE HYDRANT ASSEMBLY. BACKFILL AND PAVE ACCORDING TO TYPICAL TRENCH DETAIL OR RESTORE LANDSCAPING TO MATCH ADJACENT AREAS.
18. SLEEVES, NIPPLES, AND ACCESSORIES NECESSARY FOR CONNECTIONS BETWEEN EXISTING AND NEW PIPES MAY NOT BE SHOWN IN DETAIL. FURNISH AND INSTALL ITEMS NECESSARY FOR CONNECTING TO EXISTING MAINS AND AS INDICATED ON THE CONTRACT DOCUMENTS.
19. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL SURPLUS MATERIAL REMOVED FROM TRENCH.
20. EXCEPT WHERE OTHERWISE DIRECTED, 12" MINIMUM CLEARANCE SHALL BE PROVIDED BETWEEN THE NEW MAIN AND OTHER UTILITIES WHERE THEY CROSS. WHERE NEW MAIN PASSES UNDER UTILITIES, IT SHALL CROSS WITHOUT THE USE OF BENDS UNLESS OTHERWISE NOTED ON THE PLANS.
21. ALL HYDRANT LATERALS SHALL CROSS UNDER EXISTING UTILITIES AND WATER MAINS. HYDRANT EXTENSIONS SHALL BE INSTALLED, AS NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
22. PRIOR TO DEMOBILIZATION THE CONTRACTOR SHALL INSPECT EVERY VALVE, HYDRANT, AND CURB STOP WITH THE RESIDENT PROJECT REPRESENTATIVE TO ENSURE PROPER OPERATION.
23. ALL WATER MAINS AND SERVICES SHALL BE COVERED WITH PRINTED, DETECTABLE WARNING TAPE INSTALLED APPROXIMATELY 18 INCHES BELOW GRADE.
24. WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET. WHEN A TEN (10) FOOT SEPARATION IS NOT POSSIBLE TO BE PROVIDED THERE MUST BE AT LEAST EIGHTEEN (18) INCHES OF VERTICAL SEPARATION. IT IS PREFERRED THAT WATER MAINS CROSS ABOVE SEWER LINES.
25. TRENCHES MAY BE SAW-CUT OR ZIPPED.
26. THE WORK AREA SHALL BE LEFT CLEAN AT THE END OF EACH WORK DAY, INCLUDING BUT NOT LIMITED TO MOTORIZED SWEEPING TO REMOVE LOOSE SOIL, MATERIALS AND ALL OTHER DEBRIS ACCUMULATED ON PAVED SURFACES FROM CONSTRUCTION ACTIVITIES.
27. DUST CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
28. STEEL PLATES, UNLESS OTHERWISE APPROVED, MAY ONLY BE USED FOR 24-HOUR INCREMENTS AT THE SAME LOCATION. STEEL PLATES SHALL NOT BE USED DURING WEEKENDS OR HOLIDAYS.
29. THE OVERNIGHT STORAGE OF MATERIALS, SUPPLIES AND EQUIPMENT MUST BE APPROVED BY THE OWNER AND ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING A "STAGING AREA" FOR PIPES, SUPPLIES, MATERIALS, AND EQUIPMENT.
30. TRENCH PAVING SHALL OCCUR EACH FRIDAY AT A MINIMUM, OR PRIOR TO EACH WEEKEND. PAVEMENT SHALL BE PLACED IN ADVANCE OF INCLEMENT CONDITIONS, AS DETERMINED BY THE OWNER AND ENGINEER.

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL FOLLOW THE SPECIAL PRACTICES DESCRIBED IN THE CONTRACT DOCUMENTS AND THE DIRECTION OF THE ENGINEER AND/OR BRIDGEWATER CONSERVATION COMMISSION AGENT TO ADDRESS EROSION AND SEDIMENTATION CONDITIONS THAT MAY ARISE ON A CASE BY CASE BASIS DURING CONSTRUCTION.
2. FILTER SOCK SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF EARTHWORK AND OR EXCAVATION OPERATIONS. INSPECT EROSION CONTROL IMMEDIATELY AFTER EACH STORM, AND REMOVE ACCUMULATED SEDIMENT AS REQUIRED. REPLACE DAMAGED EROSION CONTROLS AS REQUIRED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL SILT SACKS IN ALL CATCH BASINS WITHIN THE WORK AREA AND AS DIRECTED BY THE ENGINEER.
4. SILT SACKS AND OTHER EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED, CLEANED, REPLACED AND/OR REPAIRED AS NECESSARY, AND AFTER EACH SIGNIFICANT RAINFALL OR AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL STOCKPILE SUFFICIENT SOIL EROSION AND SEDIMENT CONTROL MATERIALS ONSITE TO REPAIR ANY DAMAGED EROSION AND SEDIMENT CONTROLS.
6. THE CONTRACTOR SHALL NOT DISCHARGE WATER FROM DEWATERING OPERATIONS DIRECTLY INTO A WETLAND, SURFACE WATER, OR ANY STORM SEWER.
7. GROUND WATER FROM DEWATERING OPERATIONS SHALL BE FILTERED TO REDUCE THE AMOUNT OF SEDIMENT CONTAINED IN THE WATER TO ALLOWABLE LEVELS.
8. ALL DEWATERING DISCHARGES SHALL ALSO INCLUDE ENERGY DISSIPATION TO PREVENT SCOURING.

LEGEND

EXISTING

- HYDRANT
- CATCH BASIN (CB)
- WATER VALVE/GAS GATE
- WATER SHUT OFF
- ELECTRIC MANHOLE
- DRAIN MANHOLE
- BITUMINOUS CONCRETE CURB (BCC), CONCRETE BERM (CB), GRANITE CURB (GC)
- EDGE OF PAVEMENT
- PROPERTY LINE
- GAS MAIN
- WATER MAIN
- SEWER MAIN
- DRAIN PIPE
- FORCE MAIN
- TELECOM WIRE
- OVERHEAD WIRE
- BORDERING VEGETATED WETLAND (BVW)
- CHAIN FENCE
- WOOD FENCE
- GUARD RAIL
- VEGETATION
- STONE WALL
- UTILITY POLE (UP#)
- POLE GUY
- CONIFEROUS TREE
- SHRUB
- BOULDER/ROCK
- MAILBOX
- SIGN
- IRON POLE
- CONCRETE BOLLARD
- SOIL BORING
- WETLAND FLAG

PROPOSED

- WATER MAIN
- CCTV INSPECT, CLEAN & LINE
- HYDRANT
- DI CAP
- GATE VALVE
- WATER SHUT OFF
- SOLID SLEEVE/COUPLING
- DI REDUCER
- BLOW OFF ASSEMBLY
- FILTER SOCK
- 50+00 STATION MARKER

ABBREVIATIONS

AC	ASBESTOS CEMENT
BIT.	BITUMINOUS
C	COPPER
CAP	CORRUGATED ALUMINUM PIPE
CI	CAST IRON
LS	LANDSCAPE
DI	DUCTILE IRON
P	PLASTIC
PVC	POLYVINYL CHLORIDE
RC	REINFORCED CONCRETE
D	DRAIN
G	GAS
S	SEWER
W	WATER
UNK.	UNKNOWN
CONC.	CONCRETE
SW	SIDEWALK
PAVE	PAVEMENT
RW	RAW WATER
TW	TREATED WATER

MARK	DATE	DESCRIPTION

Scale	AS NOTED
Date	MARCH 2026
Job No.	24005300
Designed by	SFC/MS
Drawn by	MS
Checked by	TCJ
Approved by	HTG

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

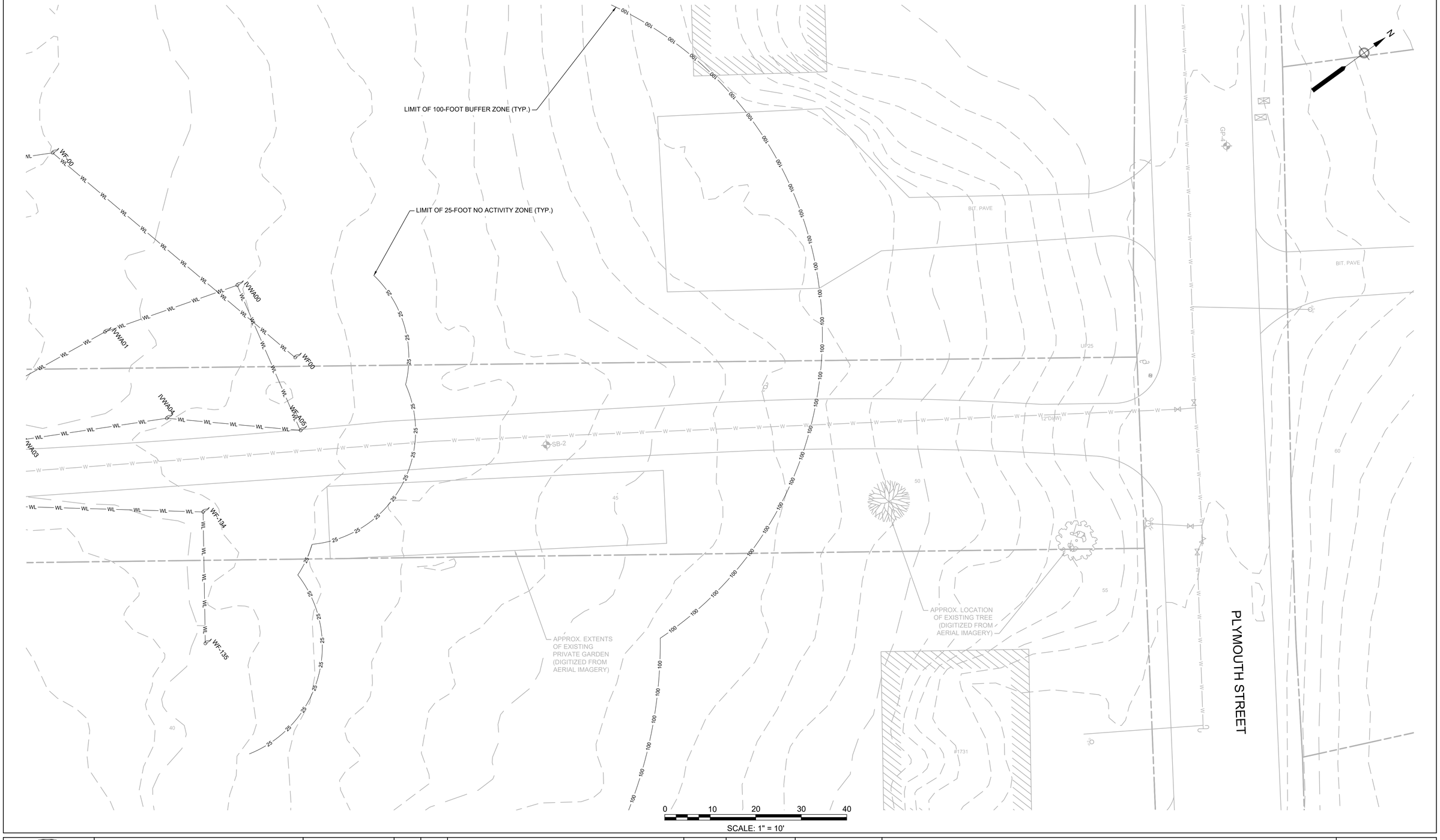
EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

CIVIL NOTES AND LEGEND

FOR BIDDING

Sheet No.
C-1

Drawing file: I:\Bridgewater 393\Water System\24005300 - Plymouth Rd. Well 10a_10b\03 Design\00 Drawings\CAD\Interim Treatment\01 BW_Wells_10A_10B_InterimTreatment.dwg Plot Date: Mar 11 2026 - 1:35pm



			Scale	AS NOTED
			Date	MARCH 2026
			Job No.	24005300
			Designed by	MJW/DJO
			Drawn by	MJW
			Checked by	TJ
MARK	DATE	DESCRIPTION	Approved by	TJ/AK

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

ENTRANCE ROAD EXISTING CONDITIONS

FOR BIDDING

Sheet No.

C-2

Drawing file: Z:\Quincy\Projects\Bridgewater 393\Water System\24005300 - Plymouth Rd\ Well 10a_ 10b\03 Design\00 Drawings\CAD\Road Widening\02 BW_Wells_ 10A_10B_Road.dwg Plot Date: Mar 11,2026-1:36pm

Temporary 100-ft Buffer Zone Impacts

LIMIT OF 100-FOOT BUFFER ZONE (TYP.)

LIMIT OF 25-FOOT NO ACTIVITY ZONE (TYP.)

EXISTING UP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

PROP. BOLLARD

PROP. ASPHALT PAVEMENT (FULL DEPTH RECONSTRUCTION). NEW ASPHALT SHALL BE CROWNED WITH 2% CROSS SLOPES AS SHOWN

PROP. PERIMETER EROSION CONTROL BARRIER (TYP.)

EXISTING UP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

56.4 ± ME

47.2 ± ME

47.1 ± ME

56.8 ± ME

845'R

201'R

SAWCUT

11.0

27.5

42.0

EXISTING TREE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

LOAM AND SEED DISTURBED AREAS (TYP.)

APPROX. LOCATION OF EXISTING TREE (DIGITIZED FROM AERIAL IMAGERY)

RELOCATE EXISTING HYDRANT. COORDINATE FINAL LOCATION WITH BRIDGEWATER DPW AND FIRE DEPARTMENT

APPROX. EXTENTS OF EXISTING PRIVATE GARDEN (DIGITIZED FROM AERIAL IMAGERY)

PLYMOUTH STREET

BIT. PAVE

GP-4

SB-2

WF-00 WF-01 WF-02 WF-03 WF-04 WF-05 WF-06 WF-07 WF-08 WF-09 WF-10 WF-11 WF-12 WF-13 WF-14 WF-15 WF-16 WF-17 WF-18 WF-19 WF-20 WF-21 WF-22 WF-23 WF-24 WF-25 WF-26 WF-27 WF-28 WF-29 WF-30 WF-31 WF-32 WF-33 WF-34 WF-35

IVWA00 IVWA01 IVWA02 IVWA03 IVWA04

0 10 20 30 40

SCALE: 1" = 10'

NOTES:

1. LIMIT OF WORK LINE IS SHOWN OFFSET FROM EROSION CONTROL LINE FOR CLARITY PURPOSES. NO WORK SHALL BE PERFORMED OUTSIDE THE SUBJECT PROPERTY.

MARK	DATE	DESCRIPTION

Scale	AS NOTED
Date	MARCH 2026
Job No.	24005300
Designed by	MJW/DJO
Drawn by	MJW
Checked by	TJ
Approved by	TJ/AK

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

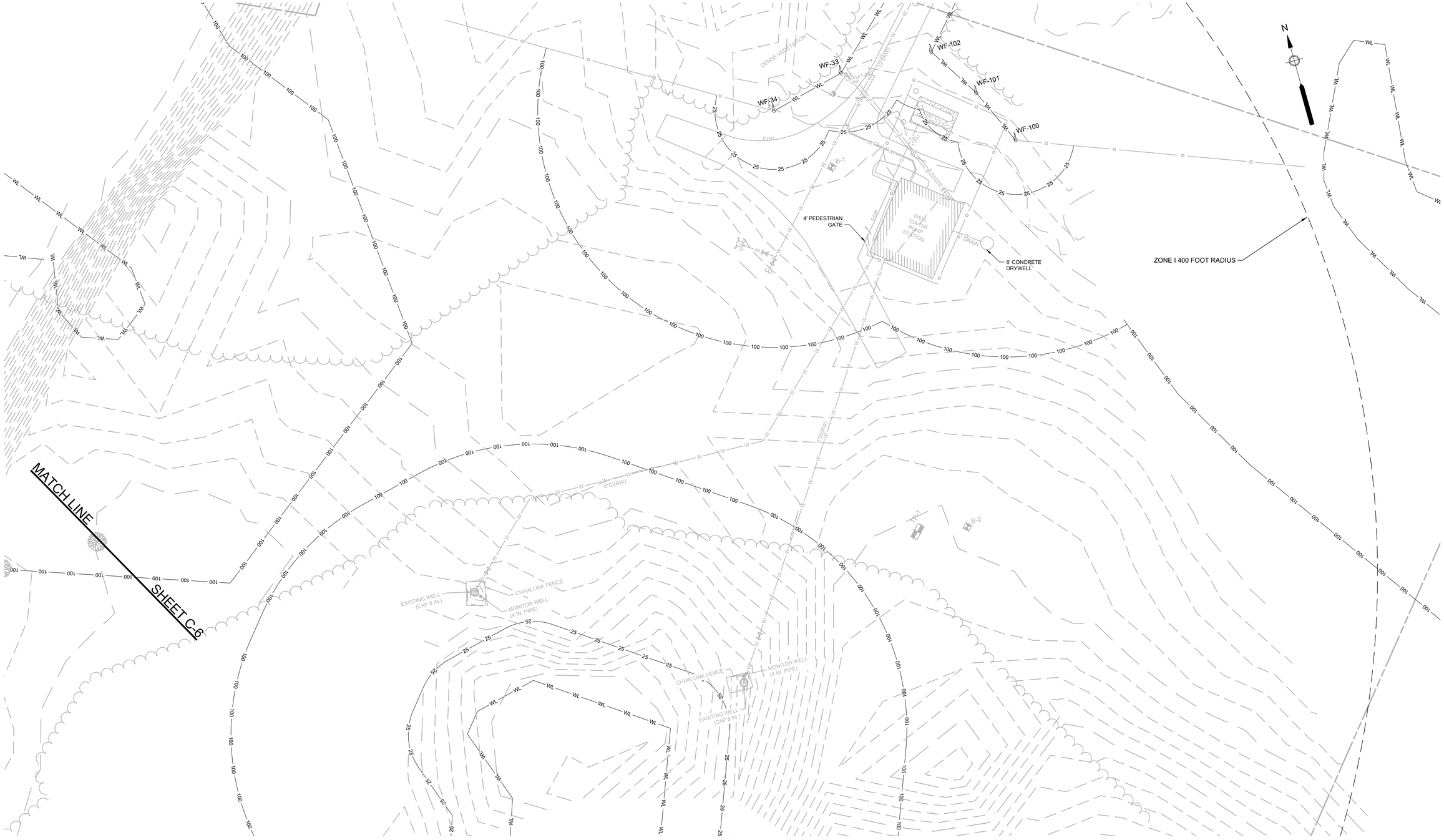
PHASE I ENTRANCE ROAD WIDENING PLAN (BID ITEM NO. 6)

FOR BIDDING

Sheet No.

C-3

Drawing file: Z:\Quincy\Projects\Bridgewater 393\Water System\24005300 - Plymouth Rd. Well 10a_10b\03 Design\00 Drawings\CAD\Road Widening\02 BW_Wells_10A_10B_Road.dwg Plot Date: Mar 11, 2026 - 1:36pm



PLAN
SCALE:1" = 20'

		Scale	AS NOTED	THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING
		Date	MARCH 2026	
		Job No.	24005300	
		Designed by	TCJ	
		Drawn by	SFC	
		Checked by	HTG	
MARK	DATE	DESCRIPTION	Approved by	AK

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

WELL SITE
EXISTING CONDITIONS I

FOR BIDDING

Sheet No.
C-4

Drawing file: \\Bridgewater 393\Water System\24005300 - Plymouth Rd. Well 10a_10b\03 Design\00 Drawings\CAD\Interim Treatment\01 BW_Wells_10A_10B_InterimTreatment.dwg Plot Date: Mar 11,2026-1:37pm

Temporary 100-ft Buffer Zone Impacts

18-FOOT WIDE STABILIZED CONSTRUCTION ACCESS (TYP.) (SEE DETAIL SHEET CD-1)

15-FOOT ACCESS ROAD (TYP.) (PHASE III - BID ITEM NO. 23) (SEE SHEET C-9)

MATCH LINE SHEET C-7

ZONE I 400 FOOT RADIUS

37.5' X 60' CONCRETE PAD FOUNDATION

PFAS TREATMENT TRAILERS (TBD)

FILTER SOCK (TYP.) (SEE DETAIL SHEET CD-1)

19' X 38' CONCRETE PAD FOUNDATION (SEE SHEET S-1)

NSF FILL (SEE SHEET S-1)

3 - 8.5' Ø GREENSAND FILTRATION TANKS FURNISHED BY TETRASOLV

TREE CLEARING LIMIT

WF-100 WF-101 WF-102 WF-33 WF-34

PLAN

SCALE:1" = 20'

		Scale	AS NOTED	THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING
		Date	MARCH 2026	
		Job No.	24005300	
		Designed by	TCJ	
		Drawn by	SFC	
		Checked by	HTG	
MARK	DATE	DESCRIPTION	Approved by	AK

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

PHASE I
PROPOSED GRADING AND FOUNDATION PLAN

FOR BIDDING

Sheet No.

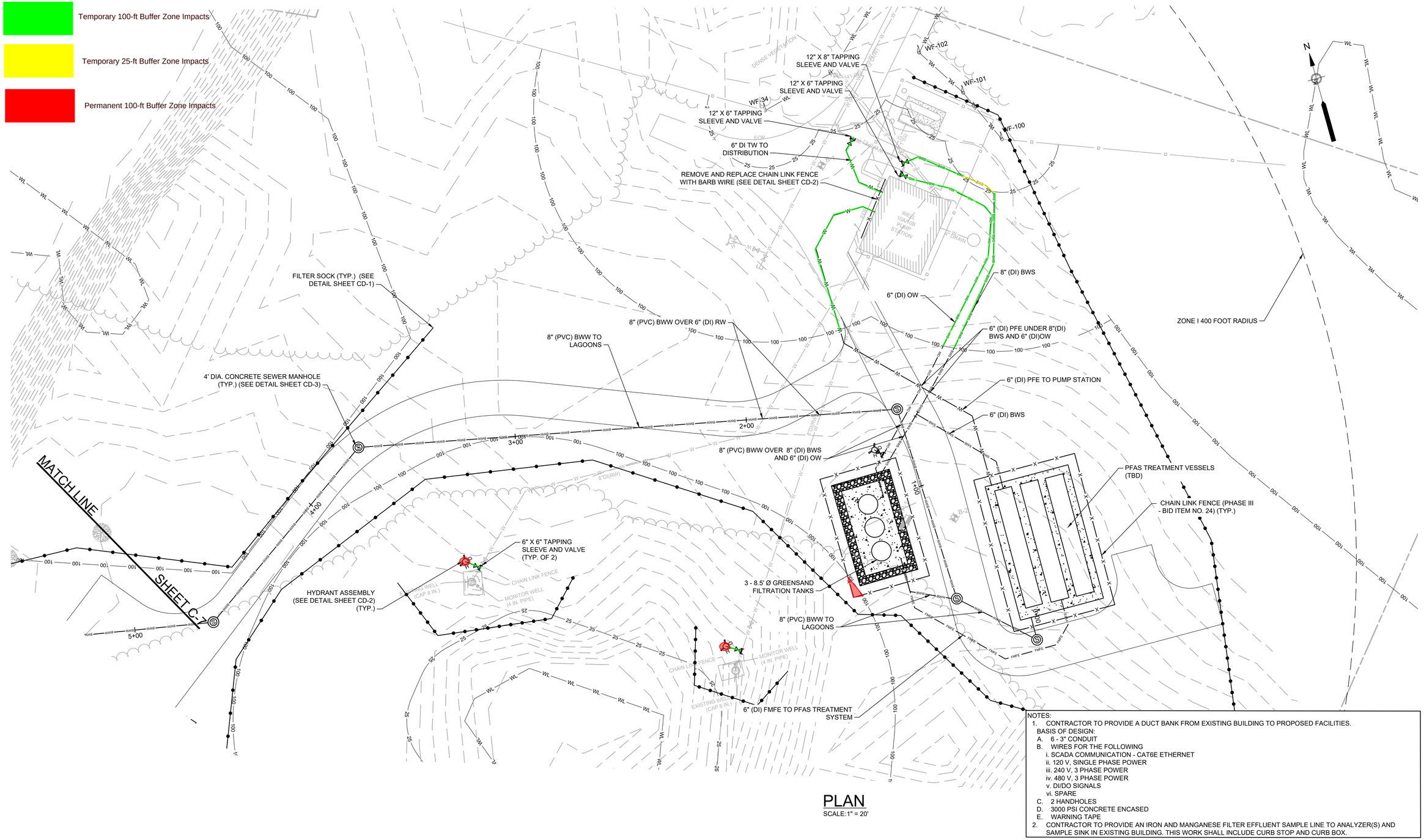
C-5

Drawing file: I:\Bridgewater 393\Water System\24005300 - Plymouth Rd. Well 10a_10b\03 Design\00 Drawings\CAD\Interim Treatment\01 BW_Wells_10A_10B_InterimTreatment.dwg Plot Date: Mar 11,2026-1:37pm

Temporary 100-ft Buffer Zone Impacts

Temporary 25-ft Buffer Zone Impacts

Permanent 100-ft Buffer Zone Impacts



PLAN
SCALE: 1" = 20'

NOTES:
1. CONTRACTOR TO PROVIDE A DUCT BANK FROM EXISTING BUILDING TO PROPOSED FACILITIES.
   BASIS OF DESIGN:
   A. 6 - 3" CONDUIT
   B. WIRES FOR THE FOLLOWING
      i. SCADA COMMUNICATION - CAT6E ETHERNET
      ii. 120 V, SINGLE PHASE POWER
      iii. 240 V, 3 PHASE POWER
      iv. 480 V, 3 PHASE POWER
      v. DI/DO SIGNALS
      vi. SPARE
   C. 2 HANDHOLES
   D. 3000 PSI CONCRETE ENCASED
   E. WARNING TAPE
2. CONTRACTOR TO PROVIDE AN IRON AND MANGANESE FILTER EFFLUENT SAMPLE LINE TO ANALYZER(S) AND SAMPLE SINK IN EXISTING BUILDING. THIS WORK SHALL INCLUDE CURB STOP AND CURB BOX.

APEX

MARK	DATE	DESCRIPTION

Scale	AS NOTED
Date	MARCH 2026
Job No.	24005300
Designed by	TCJ
Drawn by	SFC
Checked by	HTG
Approved by	AK

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

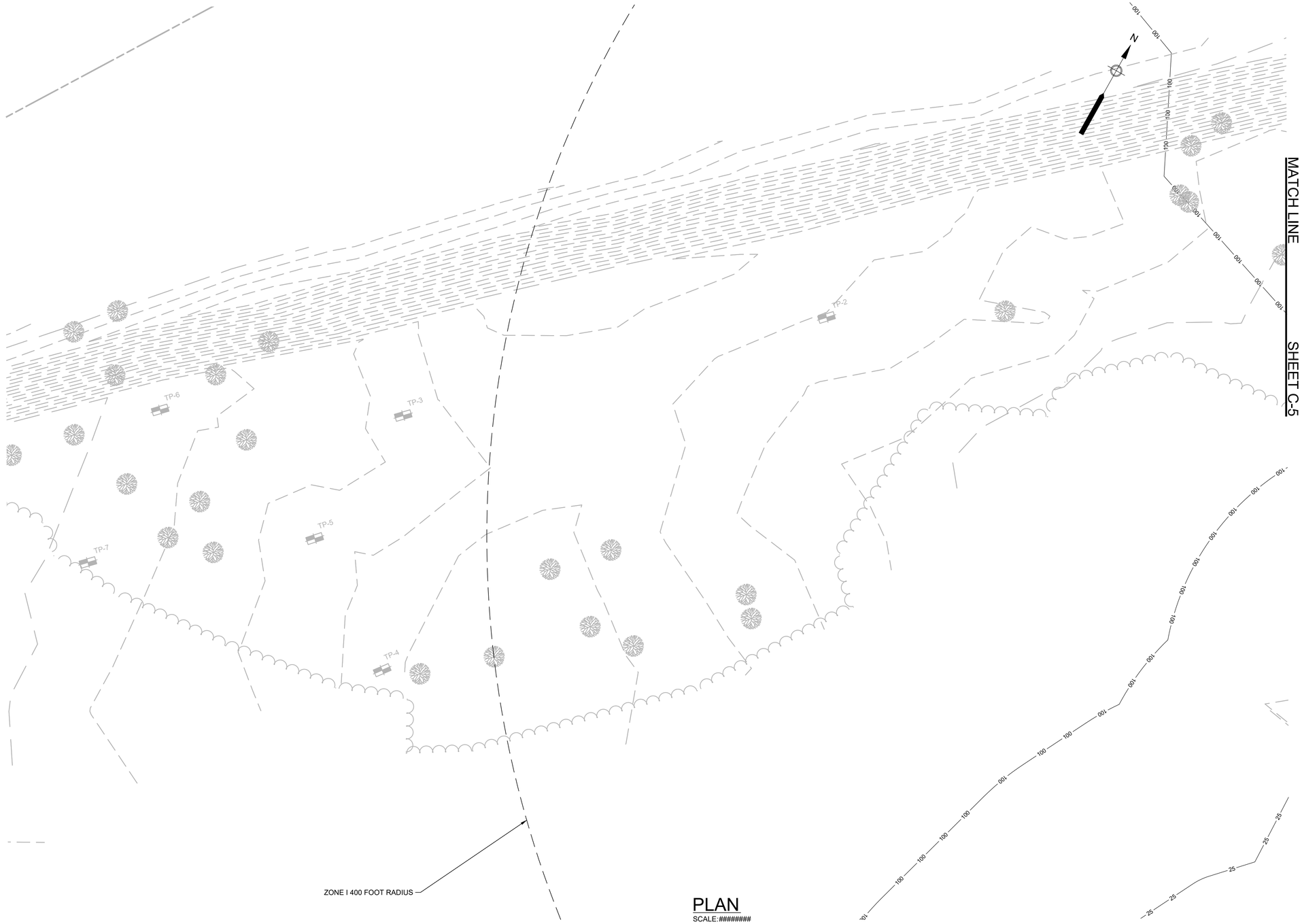
PHASE II
PROPOSED UTILITY PLAN

FOR BIDDING

Sheet No.

C-6

Drawing file: Z:\Quincy\Projects\Bridgewater 393\Water System\24005300 - Plymouth Rd, Well 10a_10b\03 Design\00 Drawings\CAD\Interim Treatment\01 BW_Wells_10A_10B_InterimTreatment.dwg Plot Date: Mar 11,2026-1:38pm



PLAN
SCALE:#########

MARK	DATE	DESCRIPTION

Scale	AS NOTED
Date	MARCH 2026
Job No.	24005300
Designed by	SFC/MS
Drawn by	MS
Checked by	TCJ
Approved by	HTG

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

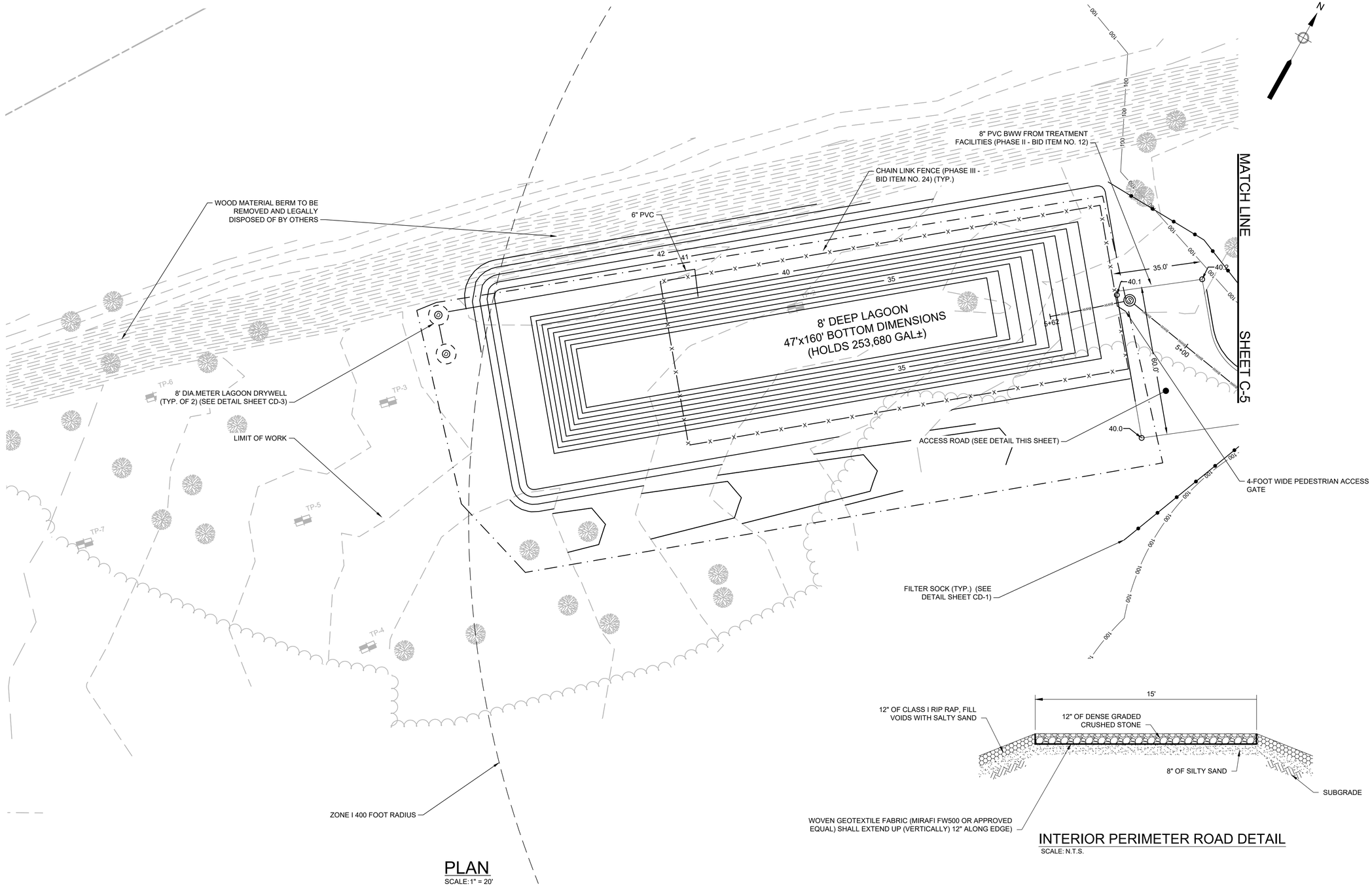
EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

WELL SITE
EXISTING CONDITIONS II

FOR BIDDING

Sheet No.
C-8

Drawing file: Z:\Quincy\Projects\Bridgewater 393\Water System\24005300 - Plymouth Rd. Well 10a_10b\03 Design\00 Drawings\CAD\Interim Treatment\01 BW_Wells_10A_10B_InterimTreatment.dwg Plot Date: Mar 11,2026-1:38pm



PLAN

SCALE: 1" = 20'

INTERIOR PERIMETER ROAD DETAIL

SCALE: N.T.S.

MARK	DATE	DESCRIPTION

Scale	AS NOTED
Date	MARCH 2026
Job No.	24005300
Designed by	SFC/MS
Drawn by	MS
Checked by	TCJ
Approved by	HTG

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

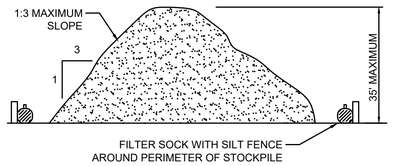
PHASE III
PROPOSED LAGOON SITE PLAN

FOR BIDDING

Sheet No.

C-9

Drawing file: Z:\Quincy\Projects\Bridgewater 393\Water System\24005300 - Plymouth Rd. Well 10a_10b\03 Design\100 Drawings\CAD\Interim Treatment\01 BW_Wells_10A_10B_InterimTreatment.dwg Plot Date: Mar 11,2026-1:38pm

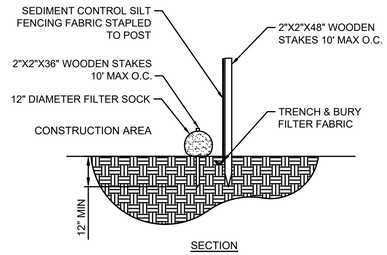


NOTES:

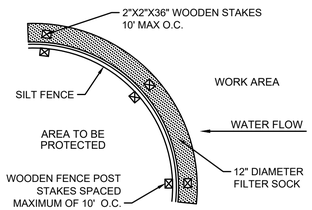
1. STOCKPILES SHALL BE STABILIZED WITH NON-INVASIVE, FAST-GERMINATING SEED.
2. GC MAY RELOCATE TEMPORARY STOCKPILES AS NEEDED TO ACCOMMODATE CONSTRUCTION PHASING PROVIDED ALL EROSION/SEDIMENT CONTROLS AND REQUIRED SETBACKS ARE MAINTAINED.
3. DO NOT PLACE STOCKPILES WITHIN THE DRIPLINE (TREE PROTECTION ZONE) OF ANY TREE DESIGNATED TO REMAIN.
4. SOIL STOCKPILES SHALL BE STABILIZED OR COVERED AT THE END OF EACH WORKDAY AND PRIOR TO FORECASTED RAINFALL; IF INACTIVE FOR 14 DAYS, PROVIDE TEMPORARY STABILIZATION (SEED/MULCH OR EROSION CONTROL BLANKET). RESTORE AREAS UPON REMOVAL.

TEMPORARY STOCKPILE

SCALE: N.T.S.



SECTION



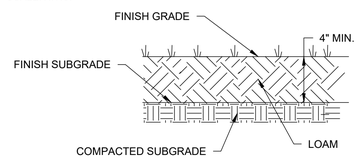
PLAN

NOTES:

1. SILT FENCING SHALL BE REMOVED UPON SUBSTANTIAL COMPLETION AND AS DIRECTED BY ENGINEER/OWNER.

12" DIAMETER FILTER SOCK WITH SILT FENCE

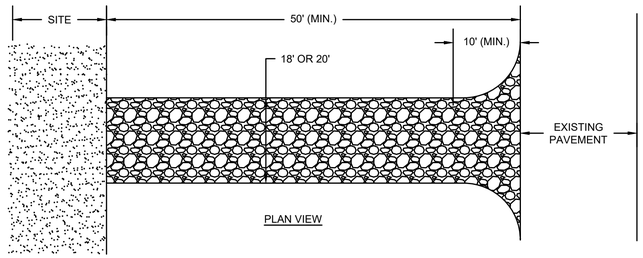
SCALE: N.T.S.



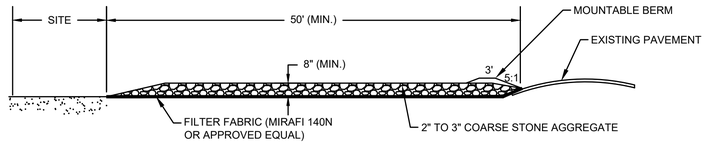
NOTE:
INSTALL CURLEX CL EROSION CONTROL BLANKET AS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY (OR APPROVED EQUAL) ON ALL LOAM AND SEEDED SLOPES 3:1 OR STEEPER.

LOAM AND SEED

SCALE: N.T.S.



PLAN VIEW



CROSS SECTION

NOTES:

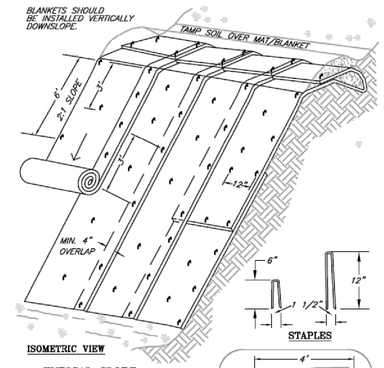
1. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR THE LOCATIONS AND LIMIT OF THE TEMPORARY ACCESS DRIVE PRIOR TO START OF CONSTRUCTION.
2. THE TEMPORARY ACCESS DRIVE WIDTH SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER AND OWNER.
3. THE TEMPORARY ACCESS DRIVE SHALL NOT EXTEND OFF THE PROPERTY.
4. THE TEMPORARY ACCESS DRIVE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO REAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED.
5. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED OR AS DIRECTED BY THE CITY.
6. MANUFACTURED COMPOSITE TRACKING PADS MADE OF ULTRA-HIGH-MOLECULAR-WEIGHT POLYETHYLENE (UHMWPE) MAY BE USED IN PLACE OF CRUSHED STONE AND FILTER FABRIC. PADS SHALL BE FODS TCM MODEL #1100 OR ENGINEER APPROVED EQUAL.
7. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE AND CROWN FOUNDATION FOR POSITIVE DRAINAGE.
8. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 1 TO 3-INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT PLACED ON A STABLE FOUNDATION AS SPECIFIED IN THE PLAN.
9. PAD DIMENSIONS: THE MINIMUM LENGTH OF THE GRAVEL PAD SHOULD BE 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH MAY BE USED. LONGER EXITS WILL PROVIDE BETTER CLEANING ACTION. THE PAD SHOULD EXTEND THE FULL WIDTH OF THE CONSTRUCTION ACCESS ROAD OR 10 FEET WHICHEVER IS GREATER. THE AGGREGATE SHOULD BE PLACED AT LEAST SIX INCHES THICK.
10. A GEOTEXTILE FILTER FABRIC SHALL BE PLACED BETWEEN THE STONE FILL AND THE EARTH SURFACE BELOW THE PAD TO REDUCE THE MIGRATION OF SOIL PARTICLES FROM THE UNDERLYING SOIL INTO THE STONE AND VICE VERSA. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
11. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FT FROM THE EXIT TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.
12. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHOULD BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
13. WASHING: IF THE SITE CONDITIONS ARE SUCH THAT THE MAJORITY OF MUD IS NOT REMOVED FROM THE VEHICLE TIRES BY THE GRAVEL PAD, THEN THE TIRES SHOULD BE WASHED BEFORE THE VEHICLE ENTERS THE ROAD OR STREET. THE WASH AREA SHOULD BE A LEVEL AREA WITH 3-INCH WASHED STONE MINIMUM, OR A COMMERCIAL RACK.
14. WASH WATER SHOULD BE DIRECTED INTO A SEDIMENT TRAP, A VEGETATED FILTER STRIP, OR OTHER APPROVED SEDIMENT TRAPPING DEVICE. SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY WATERCOURSES.
15. A FILTER FABRIC FENCE SHOULD BE INSTALLED DOWN-GRADIENT FROM THE CONSTRUCTION EXIT IN ORDER TO CONTAIN ANY SEDIMENT-LADEN RUNOFF FROM THE EXIT.

MAINTENANCE NOTES:

1. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE.
2. INSPECT ENTRANCE/EXIT PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER HEAVY RAINS OR HEAVY USE.
3. REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD IMMEDIATELY.
4. MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE GRAVEL AND THE EFFECTIVENESS OF THE GRAVEL PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW STONE. COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.
5. IF WASHING FACILITIES ARE USED, THE SEDIMENT TRAPS SHOULD BE CLEANED OUT AS OFTEN AS NECESSARY TO ASSURE THAT ADEQUATE TRAPPING EFFICIENCY AND STORAGE VOLUME IS AVAILABLE. VEGETATIVE FILTER STRIPS SHOULD BE MAINTAINED TO INSURE A VIGOROUS STAND OF VEGETATION AT ALL TIMES.
6. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
7. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.
8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.

STABILIZED CONSTRUCTION EXIT

SCALE: N.T.S.



TYPICAL SLOPE SOIL STABILIZATION

NOTES:
1. DIMENSIONS GIVEN IN THE DRAWINGS ARE EXAMPLES. DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

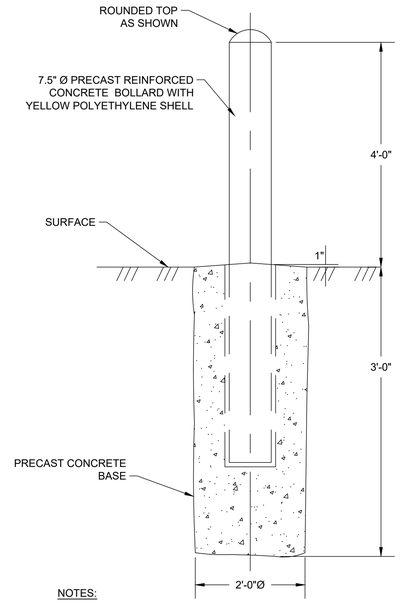
NOT TO SCALE

NOTES:

1. INSTALL EROSION CONTROL BLANKET ON ALL SLOPES 3H:1V OR STEEPER.
2. BLANKET TO BE HEAVY-DUTY BIODEGRADABLE EROSION CONTROL BLANKET (STRAW-COCONUT OR 100% COCONUT OR ENGINEER APPROVED EQUAL).
3. SEED AREA BEFORE BLANKET INSTALLATION FOR EROSION CONTROL AND RE-VEGETATION. SEEDING AND TOP SOIL LAYERING AFTER MAT INSTALLATION IS OFTEN SPECIFIED FOR TURF REINFORCEMENT APPLICATION. WHEN SEEDING PRIOR TO BLANKET INSTALLATION, ALL CHECK SLOTS AND OTHER AREAS DISTURBED DURING INSTALLATION MUST BE RESEEDED.
4. WHERE SOIL FILLING IS SPECIFIED, SEED THE MATTING AND THE ENTIRE DISTURBED AREA AFTER INSTALLATION AND PRIOR TO FILLING THE MAT WITH SOIL.
5. BLANKETS SHALL BE INSTALLED AND ANCHORED PER THE MANUFACTURER'S SPECIFICATIONS.

EROSION CONTROL BLANKET

SCALE: N.T.S.

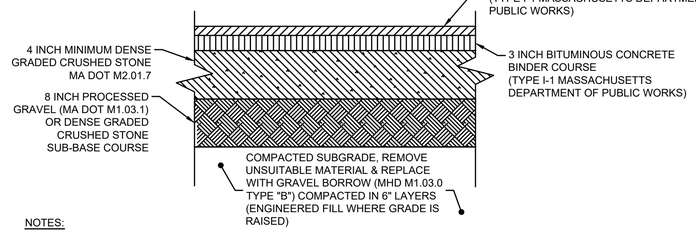


NOTES:

1. CONCRETE STRENGTH SHALL BE 5,000 PSI AFTER 28 DAYS.
2. STEEL REINFORCEMENT SHALL MEET ASTM A615, GRADE 60, MINIMUM COVER 2".
3. POLYETHYLENE SHELL SHALL BE UV RESISTANT.

BOLLARD DETAIL

SCALE: N.T.S.



NOTES:

1. THE SOIL MUST HAVE A MOISTURE CONTENT DRY OF OPTIMUM AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D1557.
2. THE SOIL CAN BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D698.
3. THE SOIL SHALL NOT BE USED IF THE MATERIAL CONTAINS ORGANIC MATTER, RUBBLE, DEBRIS OR ANY OTHER DELETERIOUS MATERIAL.
4. WHERE PROPOSED FINISH GRADE IS ≥12" ABOVE EXISTING, CONSTRUCT THE PAVEMENT SUBGRADE WITH GRANULAR STRUCTURAL FILL PLACED IN 8–12" LIFTS AND COMPACTED TO ≥95% ASTM D1557. FILL SHALL BE WELL-GRADED, NON-FROST-SUSCEPTIBLE GRANULAR SOIL (E.G., GRAVEL/SAND WITH PI<6 AND ≤8% FINES PASSING NO. 200), FREE OF ORGANICS/DEBRIS. WHERE EXISTING SUBGRADE IS FINE/SILTY OR DISTURBED, PLACE A NON-WOVEN GEOTEXTILE SEPARATOR AT THE ORIGINAL GROUND BEFORE FILL. REMOVE OBVIOUS UNSUITABLE/ORGANIC POCKETS BEFORE FILLING.
5. CONTRACTOR TO ENSURE THAT INSTALLED PAVEMENT CONFORMS TO CITY OF BRIDGEWATER SUBDIVISION RULES AND REGULATIONS. THE BASE COURSE IS TO BE 3 INCHES OF BITUMINOUS CONCRETE TYPE I-1 AS SPECIFIED BY THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS. THE SECOND COURSE IS TO BE 1.5 INCHES OF BITUMINOUS CONCRETE TYPE I-1 AS SPECIFIED BY THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS. THE AGENT IS TO BE NOTIFIED IN WRITING AT LEAST SEVENTY-TWO (72) HOURS BEFORE PLACING THE SECOND COURSE TO ALLOW FOR INSPECTION. THE AGENT IS TO BE NOTIFIED IN WRITING SEVENTY-TWO (72) HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

TYPICAL PAVEMENT SECTION

SCALE: N.T.S.

MARK	DATE	DESCRIPTION

Scale	AS NOTED
Date	MARCH 2026
Job No.	24005300
Designed by	MJW/DJO
Drawn by	MJW
Checked by	TJ
Approved by	TJ/AK

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

EMERGENCY WATER TREATMENT SYSTEM PROJECT
TOWN OF BRIDGEWATER, MA

CIVIL CONSTRUCTION DETAILS I

FOR BIDDING

Sheet No.

CD-1

Drawing file: Z:\Quincy\Projects\Bridgewater 393\Water System\24005300 - Plymouth Rd Well 10a_ 10b\03 Design\00 Drawings\CAD\Road Widening\03 BW_Wells_ 10A_ 10B_Details.dwg Plot Date: Mar 11,2026 - 1:39pm