



WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION

Transmittal Number X287135

WETLANDS PROTECTION ACT: NOTICE OF INTENT

Town of Foxborough, Massachusetts
February 2021



ENVIRONMENTAL
 **PARTNERS**



February 16, 2021

Ms. Jane Sears Pierce
Conservation Agent
Town Hall
40 South Street, Room 204
Foxborough, MA 02035

**RE: Wetlands Protection Act: Notice of Intent
Witch Pond Replacement Well No. 14R Implementation
Foxborough, Massachusetts
Transmittal #X287135**

Dear Ms. Sears Pierce:

On behalf of the Town of Foxborough (the Town), Environmental Partners (EP) completed this Notice of Intent for the Witch Pond Replacement Well No. 14R Implementation project, in accordance with the Massachusetts Wetland Protection Act (MGL Chapter 131 Section 40), the Massachusetts Wetland Protection Regulations (310 CMR 10.00), and the local Chapter 267 Wetlands Protection Bylaw and Regulations. This submittal includes the following attachments:

- Attachment A: Massachusetts Department of Environmental Protection (MassDEP) Transmittal Form
- Attachment B: WPA Form 3 – Notice of Intent
- Attachment C: Town of Foxborough Notice of Intent Application Checklist
- Attachment D: Figures
- Attachment E: Permitting Design Plans
- Attachment F: Wetland Delineation Report
- Attachment G: Affidavit of Service, Certified Abutters List, and Abutters Notification Form

BACKGROUND

The Town owns and operates two existing wells at Station 6 off Route 106 in Foxborough, MA: Wells No. 14 and 15. Both wells are located along the edge of wetlands, as shown in the site figures included in Attachment D. The Town would like to replace Well No. 14 due to lost pumping capacity, increased frequency of redevelopment, and a decrease in water quality. The replacement well No. 14R has been installed further from the wetlands with the intent to restore the lost capacity of the well and improve water quality.

The existing Well No. 14 is 18- x 24-inch, and depth to groundwater is approximately three to five feet below ground surface. The table below summarizes the existing well construction along with the MassDEP permitted capacity and current well capacity.

Well ID	Total Depth (ft)	Screen Length (ft)	Original Specific Capacity (gpm/ft)	MassDEP Approved Pumping Rate (gpm)
Well 14	51	10	22.35	333

Due to the lost pumping capacity of the wells, the Town is in the process of replacing Well No. 14 in order to meet water demands. The first phase of work included a groundwater exploration program to assess replacement well locations within 250 feet of the existing well, but preferably within 50 feet. EP determined that keeping the existing wells in service as satellite wells was not feasible and recommended that the wells be abandoned in accordance with MassDEP guidelines. The Town also decided not to replace Well No. 15, due to the limited available space within 50-feet of the existing Well No. 15 and the surrounding wetlands. Exploratory wells and one observation well were installed at Well No. 14, and a two-hour pumping test was performed. EP compiled, evaluated and submitted the data from this test to MassDEP as a Proposal for Replacement Well in August 2019.

Upon approval from MassDEP on October 30, 2019, the second phase of work proceeded with drilling the replacement Well No. 14R and conducting a 48-hour pump test. Replacement Well No.14R pump test report was submitted to MassDEP for review in July 2020 under transmittal number #286487.

The final phase of work, as described within this Notice of Intent, will include implementation of the new replacement well No. 14R, into the raw water system at the Witch Pond water treatment facility (WTF). The replacement well is integral to the Town maintaining sufficient water supply to meet water demands.

PROJECT DESCRIPTION

The Route 106 parcel that contains the Station 6 Wells and Witch Pond WTF is approximately 40.9 acres, however the limit of proposed work at Well No. 14 is limited to 0.06 acres. The project generally consists of equipping the replacement well with a submersible pump, a pitless adapter, and making a connection to the existing raw water transmission main to the WTF. The attached Permitting Design Plans (Attachment E) document the proposed work at the well station and the improvements are described in more detail below.

Well No. 14R improvements include:

- Installation of crushed stone and geotextile fabric at the replacement well;
- Installation of approximately 145 feet of chain link fence around the replacement well for security;
- Installation of approximately 50 feet of new 6" ductile iron raw water pipe, including one hydrant assembly, from the replacement well to the existing Well No. 14 building;
- Installation of electrical and instrumentation conduit from the existing Well No. 14 building to the new submersible pump in the replacement well;
- Replacement of existing piping and valves within Well No. 14 building;

- Abandonment of the existing well and demolition of the existing pump within the Well No. 14 building, and;
- Upgrades to the existing electrical and instrumentation service to accommodate the new submersible pump.

All of the proposed work will be completed within existing, disturbed areas. There will be no additional clearing or grubbing completed as part of the work at Well No. 14R.

As shown on the figures included in Attachment D and on Sheets C-1 and C-2 of Attachment E, the proposed work at Well No. 14R falls within the following resource areas:

- The 100-foot protective buffer for Bordering Vegetated Wetlands resource areas.
- The 25-foot “No Activity Zone” for Bordering Vegetated Wetlands resource areas.
- The FEMA 100-year Floodplain Zone A (without base flood elevation).

The proposed work is not located within an Outstanding Resource Water and is not located in an Area of Critical Environmental Concern. The proposed work is not located within the Priority and Estimated Habitat of Rare Species.

WETLAND RESOURCE AREAS

The wetland resources within and adjacent to the project area include Bordering Vegetated Wetland, Buffer Zone, and Bordering Land Subject to Flooding. As defined by the Wetland Protection Regulations, these areas are described further herein as they relate to the proposed project. These resource areas are shown on the figures included in Attachment D and on Sheet C-2 of the Permitting Design Plans included in Attachment E.

310 CMR 10.55 defines “Bordering Vegetated Wetland” as “freshwater wetlands which border on creeks, rivers, streams, ponds, and lakes.” The types of freshwater wetlands are wet meadows, marshes, swamps, and bogs. Bordering Vegetated Wetlands are areas where the soils are saturated and/or inundated such that they support a predominance of wetland indicator plants. Portions of the project are located within the 100-foot protective buffer zone for Bordering Vegetated Wetlands and the 25-foot “No Activity Zone”. No work is taking place within Bordering Vegetated Wetlands. Pinebrook Consulting prepared the Wetland Delineation Report, which is included in Attachment F.

310 CMR 10.56 defines “Bordering Land Subject to Flooding” as “an area with low, flat topography adjacent to and inundated by flood waters rising from creeks, rivers, streams, ponds, or lakes.” A portion of the project is located within the FEMA National Flood Hazard Zone A (without base flood elevation).

IMPACTS TO WETLAND RESOURCE AREAS

The proposed project is to be treated as a “limited project” according to 310 CMR 10.53(3)(D), which includes the construction, reconstruction, operation, and maintenance of underground and overhead public utilities such as water. Both temporary and permanent impacts are anticipated to the wetland resource areas described above. Work proposed within resource areas are shown in the

Permitting Design Plans included in Attachment E. Note that all work is taking place in previously disturbed areas.

Temporary impacts include a stabilized construction entrance, installation of filter sock for erosion control, utility installation, and construction access. All utility trenches will be backfilled with suitable base material and compacted to prevent settling. All areas disturbed for the installation of utilities will be restored to their pre-construction condition and grade with gravel or loam and seed after construction. All underground utility work will be performed within Town-owned property.

Permanent impacts include the installation of gravel and fencing around the replacement well and the installation of a new hydrant assembly.

Cleanup and restoration work will be performed upon completion of this project. Restoration work includes stabilizing all excavated earth slopes and installing loam and seed at all disturbed surface areas. All work will be performed in accordance with the Order of Conditions for the project issued by the Foxborough Conservation Commission.

[Bordering Vegetated Wetlands](#)

There will be no temporary or permanent impacts to Bordering Vegetated Wetlands as part of this project.

Temporary impacts to the 25-foot "No Activity Zone" and 100-foot protective buffer zone will include approximately 1,763 square feet (SF) and 1,967 SF, respectively. Temporary impacts include installation of filter sock for erosion control, new raw water main, and electrical and instrumentation conduit. Temporary impacts also include the stabilized construction entrance and construction access.

Permanent impacts to the 25-foot "No Activity Zone" and 100-foot protective buffer zone will include approximately 1 SF and 144 SF, respectively, for installation of a hydrant assembly and installation of crushed stone, filter fabric, and chain link fence around the replacement well.

No wetland replication is proposed as part of this project because there are no impacts made to the Bordering Vegetated Wetlands, and the permanent impacts to the buffer zone are minimal.

[Bordering Land Subject to Flooding](#)

Temporary impacts to the Bordering Land Subject to Flooding include 2,790 SF for the installation of filter sock for erosion control, new raw water main, and electrical and instrumentation conduit. Temporary impacts also include the stabilized construction entrance and construction access.

Permanent impacts to the Bordering Land Subject to Flooding include 145 SF for installation of a hydrant assembly and installation of crushed stone, filter fabric, and chain link fence around the replacement well.

No compensatory flood storage area is proposed as part of this project because the permanent impacts to the Bordering Land Subject to Flooding are minimal.

PROPOSED ENVIRONMENTAL PROTECTION MEASURES

Environmental protection measures for erosion and sediment control shall be installed and maintained daily by the construction contractor. These controls will also be inspected periodically during the construction period by the Town's representative observing the construction. At a minimum, these measures shall include the following:

- Erosion and sedimentation control devices (i.e. filter sock) will be installed along the limit of work within the 100-foot wetland buffer zone. The filter sock will control sedimentation and erosion from the upland areas and also serve to define the upland limits of work.
- Stockpiles of aggregate materials (gravel, sand, and stone) will not be maintained on-site. Materials will be delivered on an as-needed basis. Any unsuitable material excavated will be stockpiled separately from other construction materials and will be placed on a plastic liner with hay bales or filter sock surrounding the stockpile.
- During construction, disturbed areas will be kept to a minimum; and all disturbed areas adjacent to the work will be stabilized, restored to their pre-construction condition with gravel or loam and seed after construction.

STORMWATER MANAGEMENT

On behalf of the Town, EP is requesting this project be exempt from the stormwater management standards. The work at Replacement Well No. 14R will not require any grading or clearing and the existing stormwater conditions will not be modified.

CONSTRUCTION SEQUENCING

Currently, the Town is in the process of implementing Replacement Wells No. 7R, 9R, and 10R at their Oak Street site. Similar to Well 14, the Oak Street wells had lost significant pumping capacity and required replacement in order for the Town to continue meeting demand. The proposed implementation work at the Oak Street site is very similar to the work proposed at Well 14 and was approved by the Foxborough Conservation Commission and MassDEP in July and August 2020, respectively.

The Oak Street contract was awarded to Barbato Construction on November 4, 2020 and the work commenced in December 2020. Due to the similarity of the two projects, the Town intends to award the Well 14R implementation work to Barbato Construction through a contract change order.

EP will complete permitting and design for the implementation of the Replacement Well 14R throughout January 2021. Construction at Replacement Well 14R is expected to start in June of 2021 upon completion of the Oak Street Implementation project.

PUBLIC NOTIFICATION

The Station 6 parcel borders the Towns of Plainville, North Attleborough, and Mansfield. Certified lists of abutters from these three towns and from the Foxborough Assessor's Office is included in Attachment G.

We understand that the Foxborough Conservation Commission will issue a public notice of this application in the local newspaper. In addition, EP will notify abutters by certified mailing. Proof of mailing will be submitted to the Conservation Commission at the time of the hearing, and an Affidavit of Service is included in Attachment G.

If you should have any questions or require additional information, please do not hesitate to contact me at (617) 657-0253. I can also be reached via e-mail at rjt@envpartners.com.

Sincerely,



Environmental Partners Group, Inc.

Ryan J. Trahan, PE

Senior Principal | Chief Operating Officer

P: 617.657.0253

E: rjt@envpartners.com

cc: Department of Environmental Protection – Southeast Region
Christopher Gallagher, PE, Director, Foxborough Public Works Department
Robert B. Worthley, Superintendent, Foxborough Water & Sewer Department
Christopher Grillo, PE, Project Manager, Environmental Partners
Alysa Longo, PE, Project Engineer, Environmental Partners
File

ATTACHMENT A

MassDEP Transmittal Form



Enter your transmittal number

X287135
Transmittal Number

Your unique Transmittal Number can be accessed online:

<http://www.mass.gov/eea/agencies/massdep/service/approvals/transmittal-form-for-payment.html>

Massachusetts Department of Environmental Protection Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: MassDEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

* **Note:**
For BWSC Permits, enter the LSP.

A. Permit Information

WPA Form 3

1. Permit Code: 4 to 7 character code from permit instructions

Well replacement

3. Type of Project or Activity

Notice of Intent

2. Name of Permit Category

B. Applicant Information – Firm or Individual

Town of Foxborough Water & Sewer Department

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. Last Name of Individual

70 Elm Street

5. Street Address

Foxborough

6. City/Town

Christopher Gallagher

11. Contact Person

3. First Name of Individual

MA

7. State

02035

8. Zip Code

508-543-1228

9. Telephone #

cgallagher@foxboroughma.gov

12. e-mail address

4. MI

10. Ext. #

C. Facility, Site or Individual Requiring Approval

Witch Pond Replacement Well No. 14R Implementation

1. Name of Facility, Site Or Individual

80 Cedar Street

2. Street Address

Foxborough

3. City/Town

MA

4. State

02035

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

Environmental Partners Group, Inc.

1. Name of Firm Or Individual

1900 Crown Colony Drive, Suite 402

2. Address

Quincy

3. City/Town

Ryan J. Trahan, PE

8. Contact Person

MA

4. State

02169

5. Zip Code

617-657-0253

6. Telephone #

7. Ext. #

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? yes no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

Special Provisions:

1. Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. Homeowner (according to 310 CMR 4.02).

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

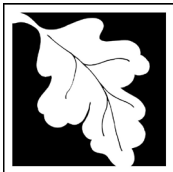
Check Number

Dollar Amount

Date

ATTACHMENT B

WPA Form 3 – Notice of Intent



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
City/Town

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



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>80 Cedar Street</u> a. Street Address	<u>Foxborough</u> b. City/Town	<u>02035</u> c. Zip Code
Latitude and Longitude:		
<u>Map 182</u> f. Assessors Map/Plat Number	<u>42°00'59.72"N</u> d. Latitude	<u>71°17'10.24"W</u> e. Longitude
	<u>Parcel 029</u> g. Parcel /Lot Number	

2. Applicant:

<u>Christopher</u> a. First Name	<u>Gallagher</u> b. Last Name
<u>Town of Foxborough Water & Sewer Department</u> c. Organization	
<u>70 Elm Street</u> d. Street Address	
<u>Foxborough</u> e. City/Town	<u>MA</u> f. State
	<u>02035</u> g. Zip Code
<u>508-543-1228</u> h. Phone Number	<u>cgallagher@foxboroughma.gov</u> j. Email Address
<u></u> i. Fax Number	

3. Property owner (required if different from applicant): Check if more than one owner

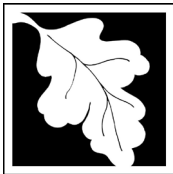
<u></u> a. First Name	<u></u> b. Last Name
<u></u> c. Organization	
<u></u> d. Street Address	
<u></u> e. City/Town	<u></u> f. State
	<u></u> g. Zip Code
<u></u> h. Phone Number	<u></u> j. Email address
<u></u> i. Fax Number	

4. Representative (if any):

<u>Ryan</u> a. First Name	<u>Trahan</u> b. Last Name
<u>Environmental Partners Group, Inc.</u> c. Company	
<u>1900 Crown Colony Drive, Suite 104</u> d. Street Address	
<u>Quincy</u> e. City/Town	<u>MA</u> f. State
	<u>02169</u> g. Zip Code
<u>617-657-0253</u> h. Phone Number	<u>rjt@envpartners.com</u> j. Email address
<u>617-657-0201</u> i. Fax Number	

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>Fee Exempt</u> a. Total Fee Paid	<u>NA</u> b. State Fee Paid	<u>NA</u> c. City/Town Fee Paid
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Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

A. General Information (continued)

6. General Project Description:

The Town has drilled a replacement well at its existing Station 6 (Witch Pond) site. To implement this well into the existing system, work will include: installation of ductile iron piping, submersible well pump, pitless adapter, conduit, hydrant assemblies, fencing, and crushed stone. In addition, limited mechanical, electrical, and SCADA equipment inside the existing well station will be replaced.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

- 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)
- 10.53(3)(d) Underground public utilities such as water and (o) Replacement of public water supply wells derived from groundwater.

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

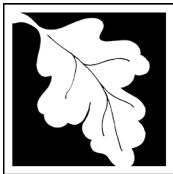
8. Property recorded at the Registry of Deeds for:

Norfolk	NA
a. County	b. Certificate # (if registered land)
5898	271
c. Book	d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	145 sf (permanent), 2790 sf (temporary) 0 3. cubic feet of flood storage lost	0 2. square feet 0 4. cubic feet replaced

e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
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- f. Riverfront Area
1. Name of Waterway (if available) - **specify coastal or inland**
2. Width of Riverfront Area (check one):
- 25 ft. - Designated Densely Developed Areas only
 - 100 ft. - New agricultural projects only
 - 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

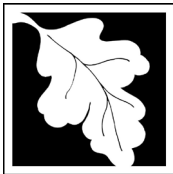
_____ a. total square feet	_____ b. square feet within 100 ft.	_____ c. square feet between 100 ft. and 200 ft.
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5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

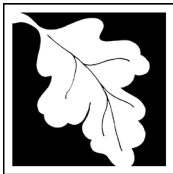
a. square feet of BVW

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

b. Date of map _____

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

c. Submit Supplemental Information for Endangered Species Review*

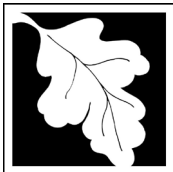
- 1. Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage

2. Assessor's Map or right-of-way plan of site

- 2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
City/Town

C. Other Applicable Standards and Requirements (cont'd)

(c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm).
Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

(d) Vegetation cover type map of site

(e) Project plans showing Priority & Estimated Habitat boundaries

(f) OR Check One of the Following

1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

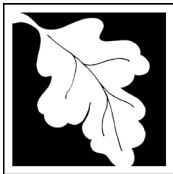
South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: DMF.EnvReview-South@state.ma.us

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

C. Other Applicable Standards and Requirements (cont'd)

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

- 4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC

- 5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
 a. Yes No
- 6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
 a. Yes No
- 7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
 - 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 - 2. A portion of the site constitutes redevelopment
 - 3. Proprietary BMPs are included in the Stormwater Management System.
 b. No. Check why the project is exempt:
 - 1. Single-family house
 - 2. Emergency road repair
 - 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

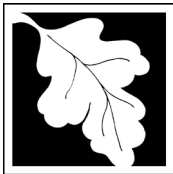
D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
City/Town

D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

Witch Pond Replacement Well No. 14R Implementation - For Permitting

a. Plan Title

Environmental Partners Group, Inc.

Ryan J. Trahan, PE, #47241

b. Prepared By

c. Signed and Stamped by

December 2020

As Noted

d. Final Revision Date

e. Scale

Refer to cover letter for list of attachments

December 2020

f. Additional Plan or Document Title

g. Date

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed.

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

<p><u>Christyl Deely DPW Director</u></p> <p>1. Signature of Applicant</p>	<p><u>2/12/2021</u></p> <p>2. Date</p>
<p><u>[Signature]</u></p> <p>3. Signature of Property Owner (if different)</p>	<p><u>2/12/2021</u></p> <p>4. Date</p>
<p><u>[Signature]</u></p> <p>5. Signature of Representative (if any)</p>	<p><u> </u></p> <p>6. Date</p>

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

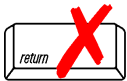
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



A. Applicant Information

1. Location of Project:

80 Cedar Street
 a. Street Address
 NA
 c. Check number
 Foxborough
 b. City/Town
 Fee exempt
 d. Fee amount

2. Applicant Mailing Address:

Christopher
 a. First Name
 Town of Foxborough Water & Sewer Department
 c. Organization
 70 Elm Street
 d. Mailing Address
 Foxborough
 e. City/Town
 508-543-1228
 h. Phone Number
 Gallagher
 b. Last Name
 MA
 f. State
 02035
 g. Zip Code
 cgallagher@foxboroughma.gov
 j. Email Address
 i. Fax Number

3. Property Owner (if different):

a. First Name
 b. Last Name
 c. Organization
 d. Mailing Address
 e. City/Town
 f. State
 g. Zip Code
 h. Phone Number
 i. Fax Number
 j. Email Address

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Fee exempt	NA	NA	NA
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

Total Project Fee:	NA
	a. Total Fee from Step 5
State share of filing Fee:	NA
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	NA
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

ATTACHMENT C

Town of Foxborough Notice of Intent
Application Checklist

NOTICE OF INTENT APPLICATION CHECKLIST

This checklist, which is referred to in the Conservation Commission's *Filing Instructions for Notices of Intent Under the Foxborough Wetlands Protection Bylaw, Chapter 267*, has been designed to efficiently assist the applicant and the Commission through the review process. It applies to all filings under the Foxborough Wetlands Protection Bylaw, Chapter 267 (unless otherwise specifically stated). Close adherence to this checklist and the referenced *Filing Instructions* is recommended.

All of the following information will be required, unless exempted in writing by the Commission. After completing each item below, please check the box next to the item and, when finished, **include a copy of the completed checklist in your NOI application package.**

INFORMATION TO BE INCLUDED IN NOTICE OF INTENT NARRATIVE

EXISTING CONDITIONS

- Description of topography, soils, and geology
- Description of vegetation types (upland or wetlands community types and plant species)
- USGS quadrangle map (most recent version), with site location circled (locus map)
- National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM), and associated Flood Profile Study if available, with site location circled

PROPOSED CONDITIONS

- Description of activities, construction sequencing and estimated timetable, including future phases
- Description of indirect and direct impacts, both temporary and permanent, on wetland resource areas
- Calculations of lot's impervious areas, comparing pre-construction to post construction conditions
- Volume of fill required, if applicable, and source of fill
- Description of soil erosion and sediment control plan, including monitoring and measures to be taken to prevent negative impacts to resource areas
- Detailed mitigation plan for activities in the buffer zone to prevent long term, indirect impacts to adjacent resource areas
- Description of storm water management plan, including existing and proposed drainage areas
- Description of wastewater management plan, if applicable
- Description of wetlands restoration plan, if proposed, including area to be restored with existing and proposed topography contours (at one-foot intervals), description of soils, stockpile areas, plantings (including Latin names of plants/seeds and source of materials [both plants and soils]), invasive species eradication and monitoring plan and a timetable of proposed work.

SITE VISIT REQUIREMENTS FOR REVIEW OF NOTICE OF INTENT

The following markings and flagging must be in place before the field inspection, where applicable. Failure to properly stake and mark the site may result in delays, non-review, or denial of a proposed project.

- Edges of wetlands must be flagged with numbered flags, as reflected on submitted project plans
- House number must be visible from the street, if work is proposed at a pre-existing house; if no house is on the property, the lot number must be posted and visible.
- Property boundaries must be staked with numbered stakes at all corners
- All proposed structures or additions, including decks, must be staked for identification purposes at all corners; stakes must be numbered and labeled, as reflected on submitted project plans
- Locations of septic tank, leaching field and wells (if in the buffer zone) must be staked and labeled

INFORMATION TO BE INCLUDED ON SITE PLANS

ALL PLANS

- Title Box: Include the date, name and address of proposed project; owner and/or applicant name; preparer's name; scale (1 inch = 30 feet or less); north arrow; assessor's map/parcel number
- Stamp/Signature: Plan to be prepared and stamped by a registered professional engineer (PE) or land surveyor, as appropriate. At least one original signed copy of each plan must be submitted
(Note: The professional who stamps the original plans must also stamp, sign and date revisions.)
- Locus Map: Include on a corner of plan's first page, at least 3" x 3" in size
- Topography: Contours at two-foot intervals or less; NAVD88 elevations (if available), or assumed datum and location of benchmark elevation
- Project Site: Include lot size(s) and property boundaries.
- Abutting Properties: Property owner names and property lines of abutting land parcels
- Watershed Areas: For projects that alter the stormwater runoff from the site, identify total watershed area in which site is located, all sub-watersheds on site, and on- and off-site discharge points
- Test Pits: Location, date and soil summaries of all soil borings and test pits on site; location, date and readings of groundwater level measurements on site
- Stone walls or other barriers located between the area of work and the area(s) subject to protection
- Easements: Location and type of easements, both on site and within 50 feet of property line

Resource Areas and Buffer Zones

- Wetland Resource Areas: Boundaries of wetland resource areas on or within 100 feet of the proposed project area (200 feet for perennial streams and rivers), with flow directions, if applicable
- Wetland Flags: Numbered flags/stakes; note date of flagging and name/firm of delineator/botanist
- Bank: Delineate the banks of streams, rivers, ponds and/or lakes
- 25 Foot No Activity Zone (Chapter 267)
- Bordering Land Subject to Flooding, including 100-year storm elevation (FEMA floodplain or highest observed or recorded elevation)
- Isolated Land Subject to Flooding, including highest observed or recorded water level
- Vernal Pools, (all) including highest observed or recorded water level
- Certified Vernal Pools: Boundary of 100 foot No Activity Zone (Chapter 267)
- High Water Level for all water bodies, from best available data (data source must be cited)
- Riverfront Area: Boundaries of 100 Foot Inner Riparian Area and 200 Foot Outer Riparian Area
- Mean Annual High Water Line (MAHWL) of any river
- 100 Foot Buffer Zone (100-foot radius from all wetland resources areas)

EXISTING CONDITIONS PLANS

- Existing Topography: Contours at two-foot intervals or less
- Above-Ground: All on-site above-ground structures, roadways, access ways, stone walls, fences
- Below-Ground: All on-site below-ground structures, including but not limited to utility lines, drainage structures, septic systems, cesspools, wells, storage tanks

PROPOSED CONDITIONS PLANS

- Proposed Topography: Contours at two-foot intervals or less; NAVD88 elevations or assumed datum
- Limit of Work: delineate all areas where vegetation or soil will be altered
- Erosion Controls: locations and type of temporary erosion controls, including installation details
- Stockpiles: locations of stockpiles
- Fill: Note the amount of fill required to be added or removed (in cubic yards and maximum thickness); pre- and post- development grades on all slopes

PROPOSED CONDITIONS PLANS (continued)

- Construction Equipment access routes and storage/parking areas during proposed work
- Construction Details, including cross-sections and elevations of drainage structures (including but not limited to catch basins, leaching basins, dry wells, swales, retention areas, ditches, etc.) and road crossings in wetland resource areas
- Above-Ground Alterations: All on-site structures, roadways, access ways, stone walls, fences, and all other physical alterations proposed in the buffer zone; location and elevation of lowest floor of all structures; identify roadway or surface material proposed
- Below-ground Alterations: All on-site below-ground alterations and structures in the buffer zone, including but not limited to utility lines, drainage structures, septic systems, cesspools, wells, tanks
- Drainage Patterns: Existing natural drainage patterns and proposed alterations
- Distance of proposed on-site leaching facility to wetlands or other resource areas
- Distance of proposed alteration to wetlands or other resource areas
- Wells: Location of all existing and proposed wells on property and within 200 feet of project on abutting properties, and minimum distance to all septic systems

DOCUMENT SUBMISSION DEADLINES

NOI Application:

All documentation (including plans, maps, tables, charts, reports, etc.) to be considered as part of an applicant's permit filing must be submitted to the Commission by the application deadline, as posted in the Conservation Office in Town Hall and on the Commission's website. Application forms, instructions and deadlines can all be downloaded on the Commission's website:

http://www.foxboroughma.gov/Pages/FoxboroughMA_Conservation/index

Continued Hearing Submissions:

All document and plan revisions must be received by the Conservation Department at least four business days before a scheduled (continued) hearing date.

Four days is the minimum time needed to allow the Conservation Commission and Conservation Manager to properly review and analyze new submissions. Documents that are not submitted at least four business days before the date of a continued hearing may be excluded from consideration during that hearing and held for discussion during a future Conservation Commission meeting.

ATTACHMENT D

Figures

FIGURE 1

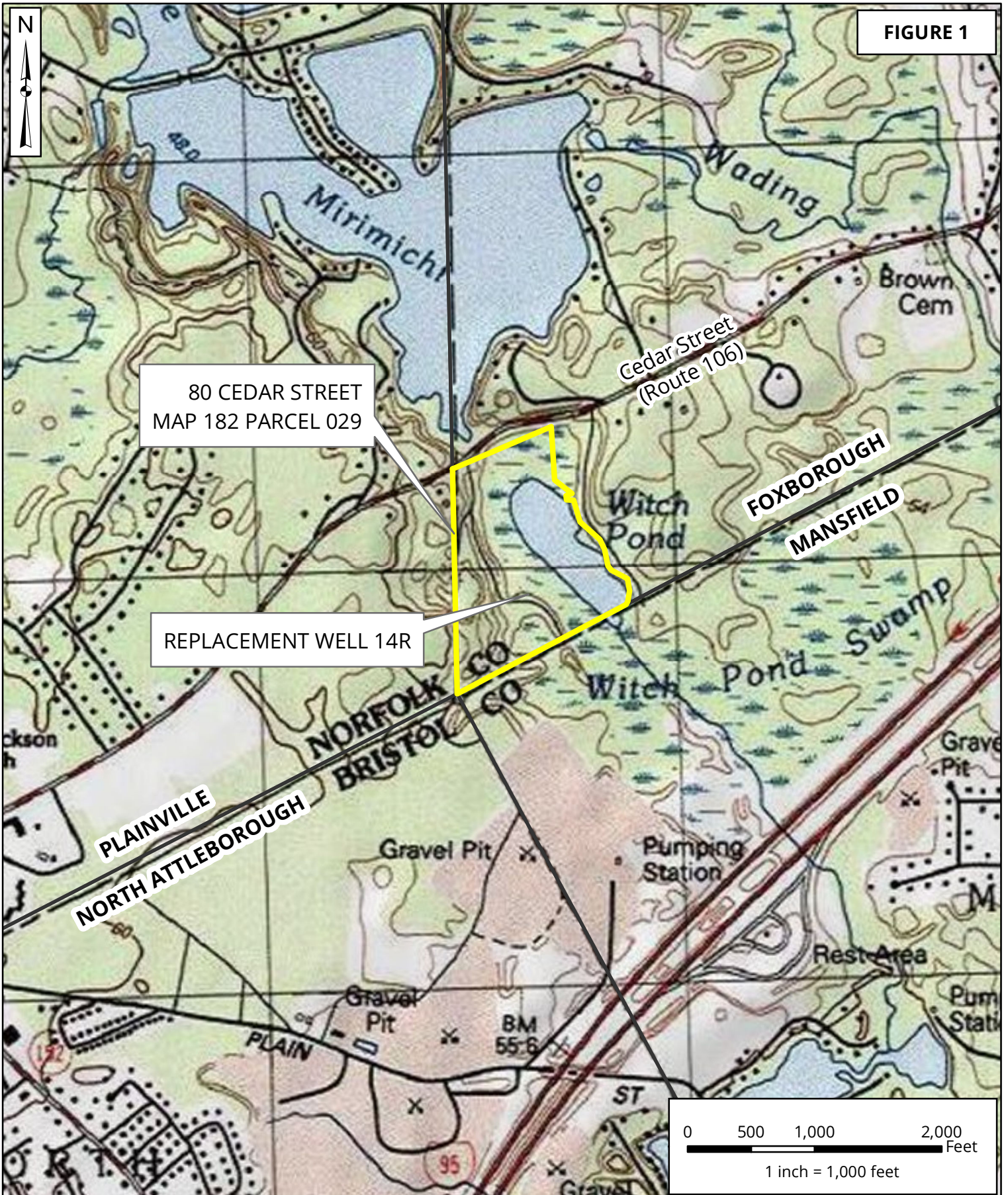


Figure 1 - USGS Map
Witch Pond Replacement Well 14R Implementation
Foxborough, Massachusetts
February 2021



FIGURE 2

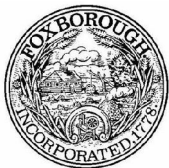


Figure 2 - Aerial Map
Witch Pond Replacement Well 14R Implementation
Foxborough, Massachusetts
February 2021



FIGURE 3

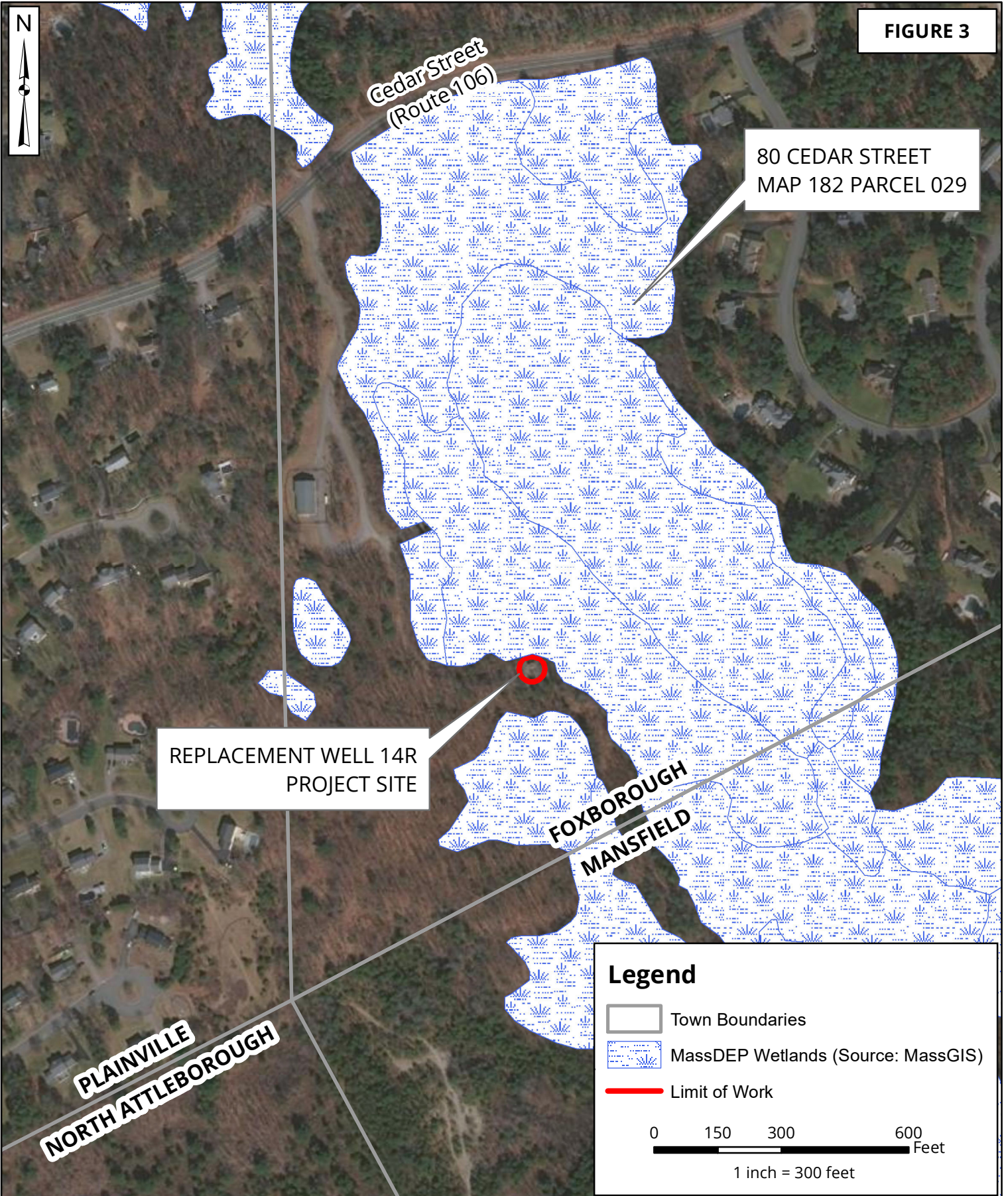


Figure 3 - MassDEP Wetlands
Witch Pond Replacement Well 14R Implementation
Foxborough, Massachusetts
February 2021



National Flood Hazard Layer FIRMette



71°17'36"W 42°1'17"N

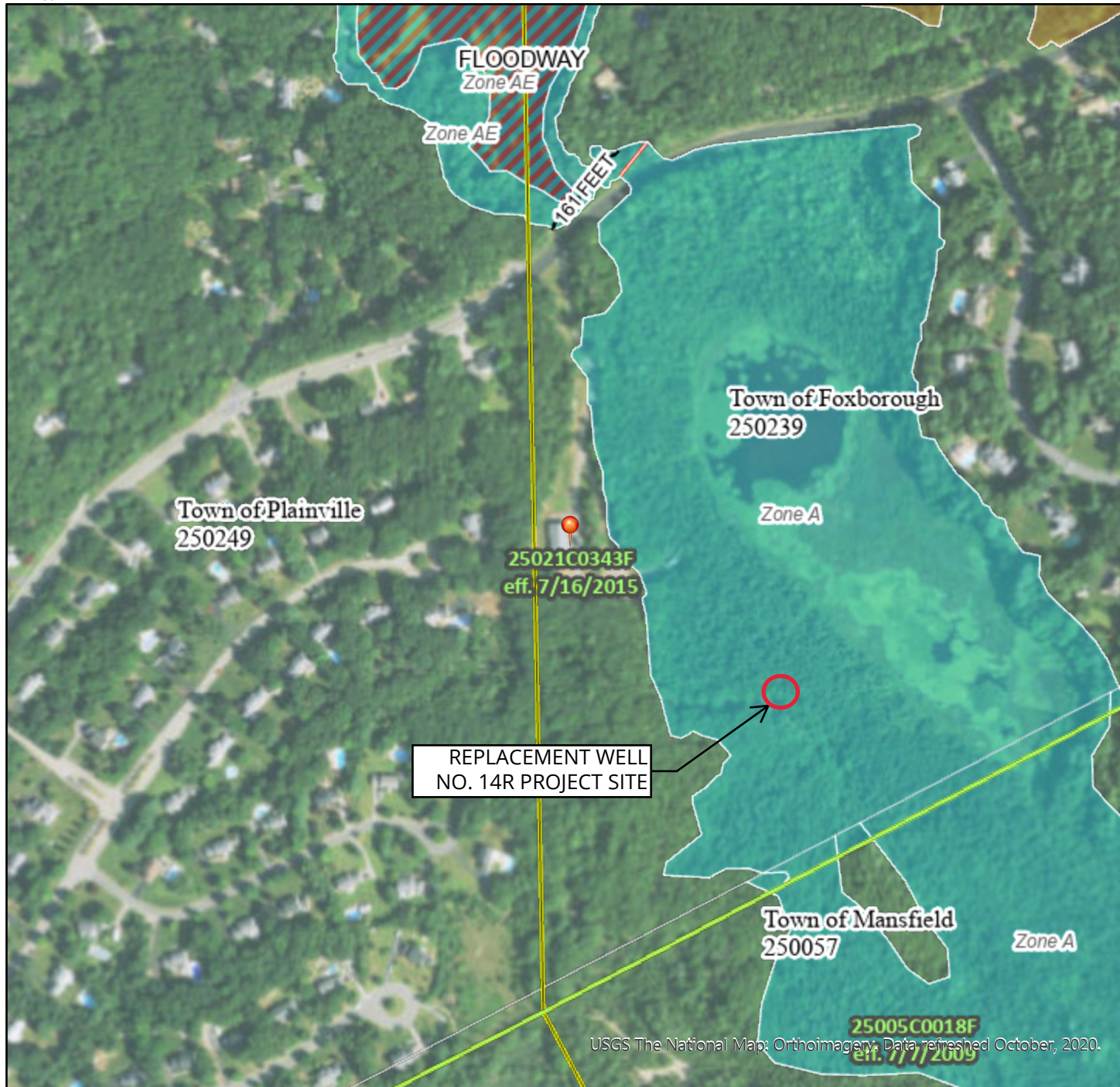


FIGURE 4

Legend

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

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | 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 <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 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 |
| | | 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 **12/14/2020 at 5:10 PM** 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.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

71°16'58"W 42°0'50"N

ATTACHMENT E

Permitting Design Plans

WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION

TOWN OF FOXBOROUGH, MA

JANUARY 2021
FOR PERMITTING

INDEX

G-1	G-SHEETS
C-1 - C-4	C-SHEETS
M-1 - M-4	M-SHEETS
E-1 - E-4	E-SHEETS (NOT INCLUDED)
I-1 - I-2	I-SHEETS

DEPARTMENT OF PUBLIC WORKS
FOXBOROUGH, MASSACHUSETTS

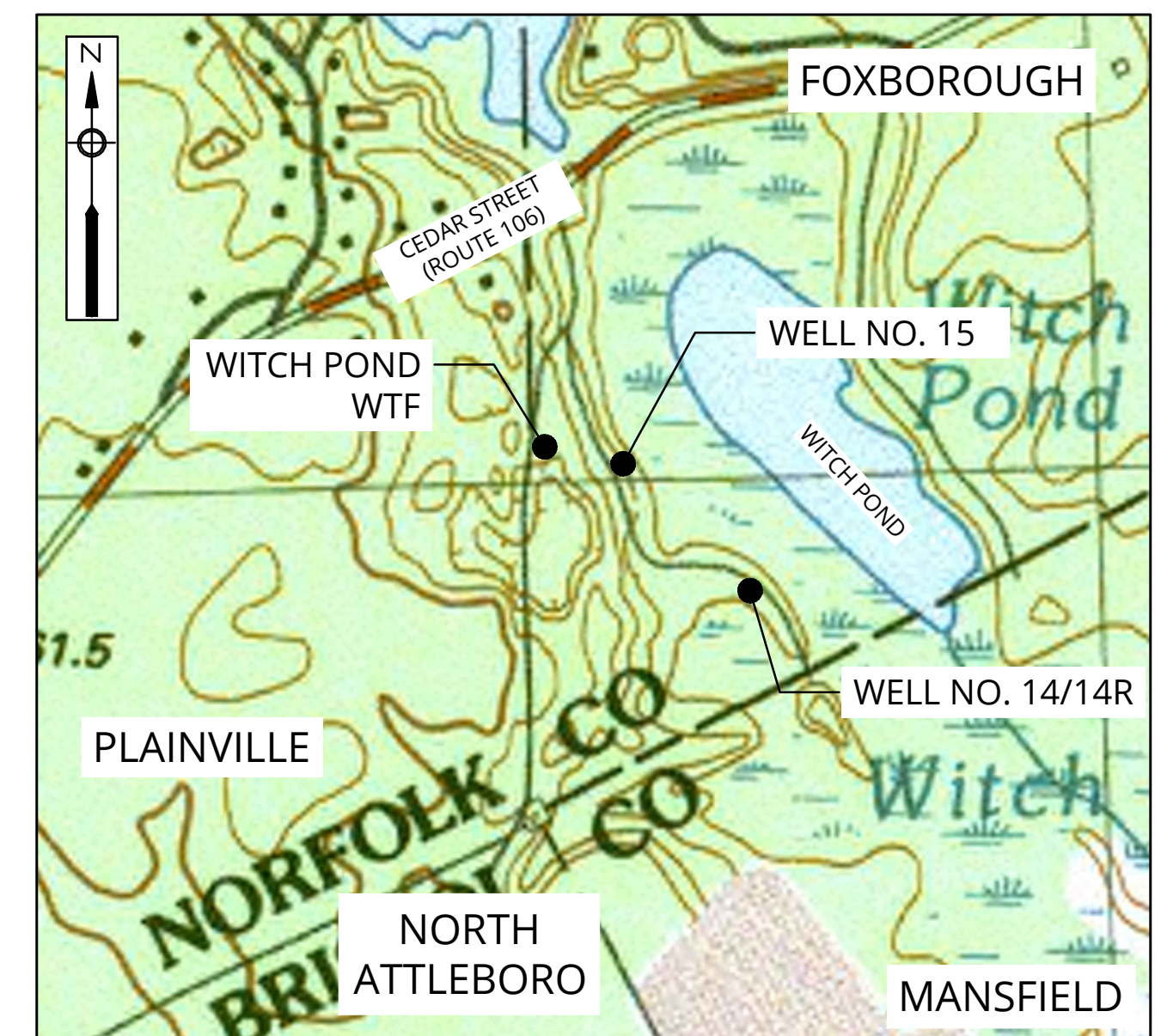
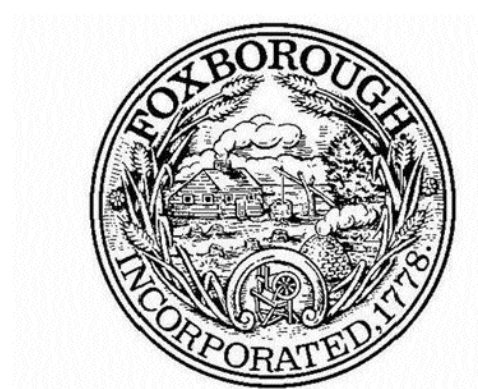
CHRIS GALLAGHER, P.E. - DIRECTOR

TOWN ENGINEER

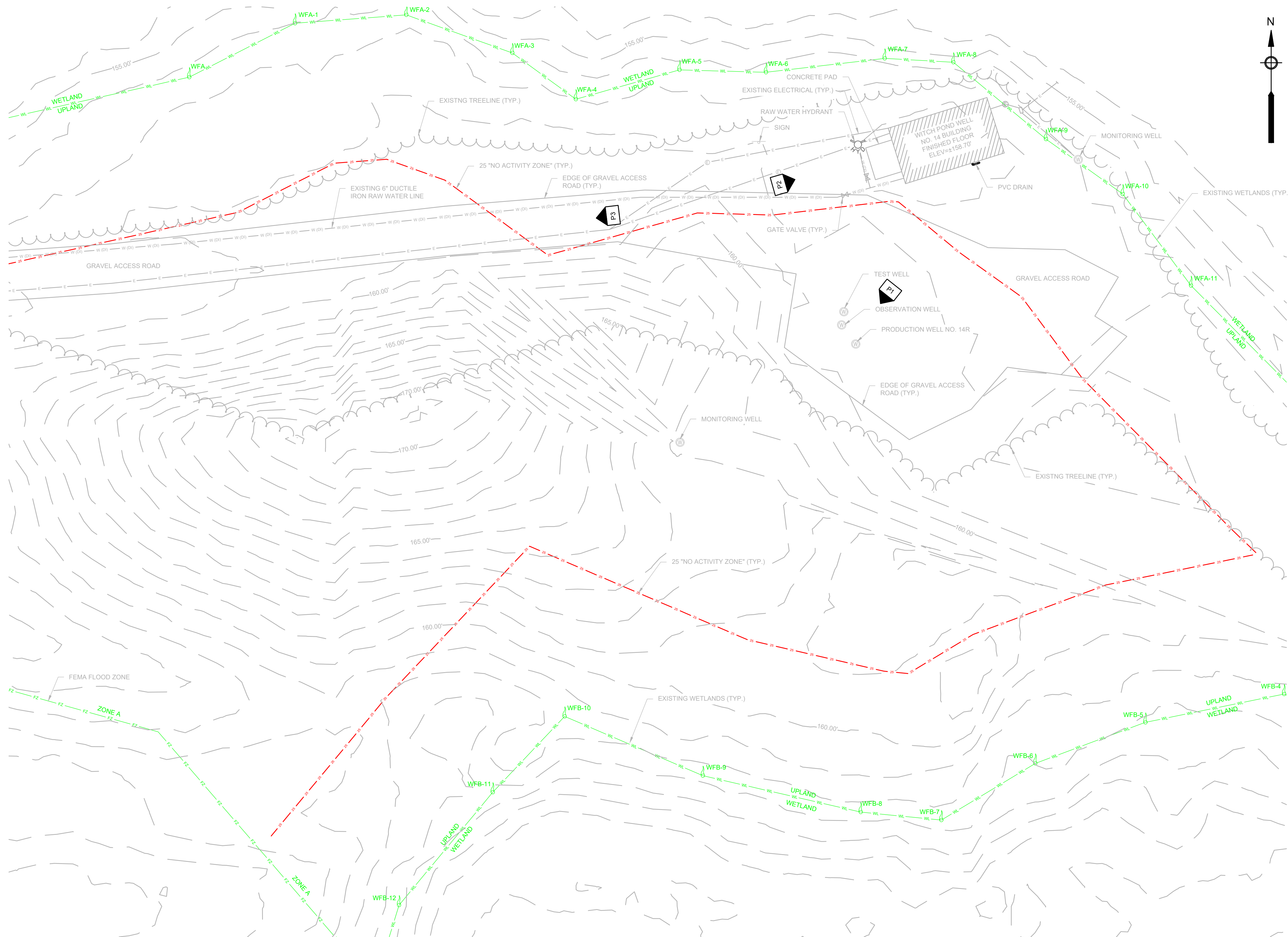
LANCE DELPRIORE, P.E., MCPPO

WATER & SEWER DEPARTMENT SUPERINTENDENT

ROBERT WORTHLEY



VICINITY MAP
1" = 500'



PLAN
SCALE: 1" = 10'



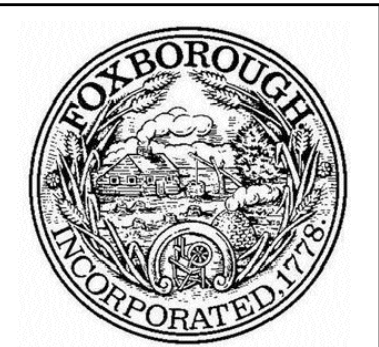
PHOTO 1
SCALE: N.T.S.
OBSERVATION WELL, TEST WELL, AND PRODUCTION WELL NO. 14R LOOKING SOUTHWEST



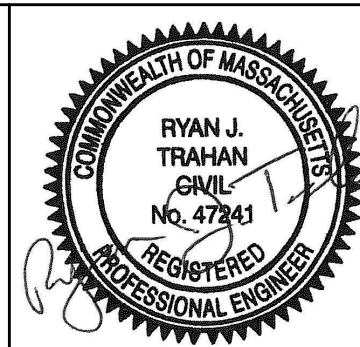
PHOTO 2
SCALE: N.T.S.
WELL STATION 14 LOOKING EAST



PHOTO 3
SCALE: N.T.S.
GRAVEL ACCESS DRIVEWAY LOOKING WEST



ENVIRONMENTAL PARTNERS



MARK	DATE	DESCRIPTION

Scale	AS SHOWN
Date	JANUARY 2021
Job No.	325-1804
Designed by	AJL
Drawn by	AJL
Checked by	CPG
Approved by	RJT

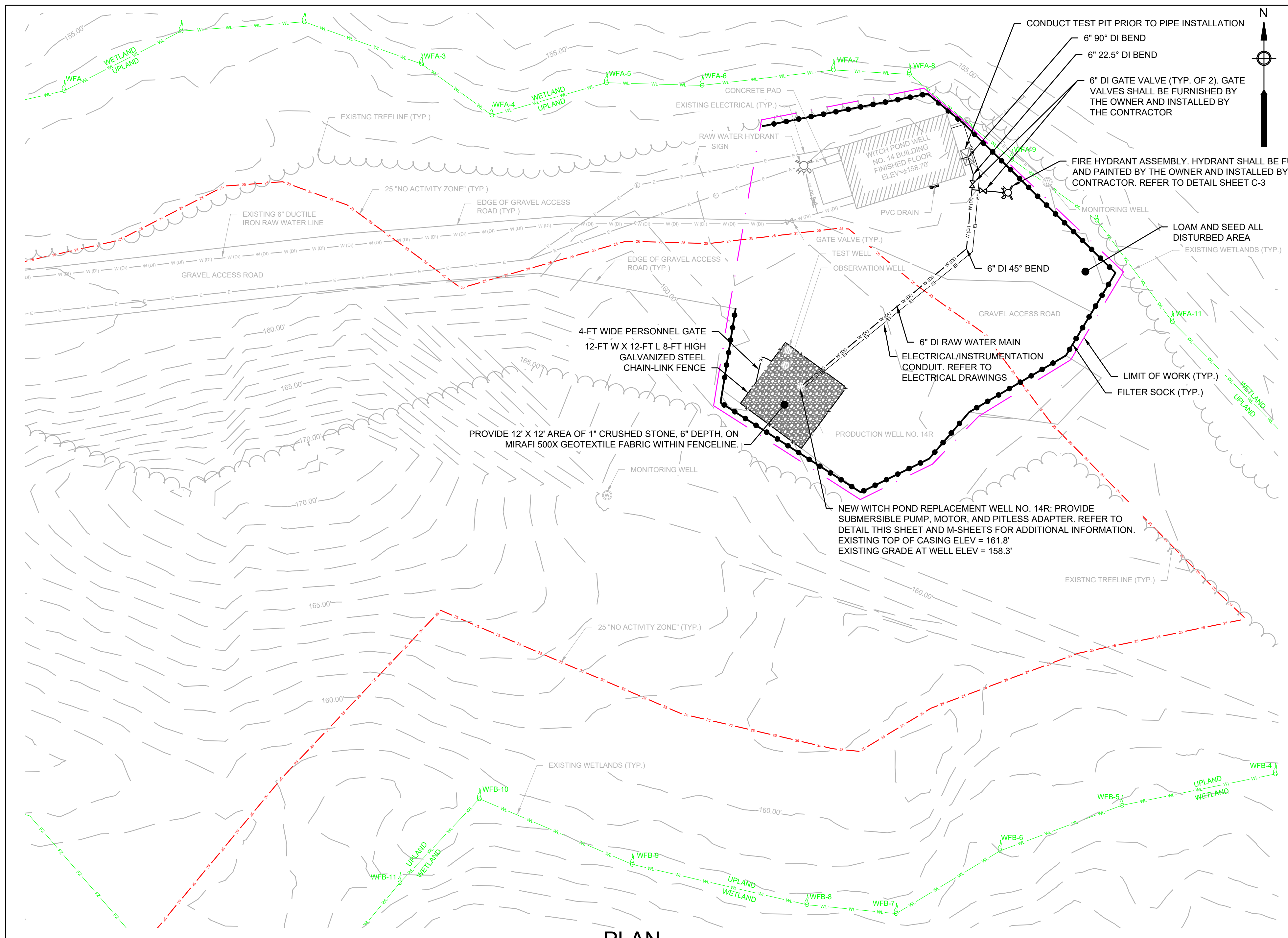
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS

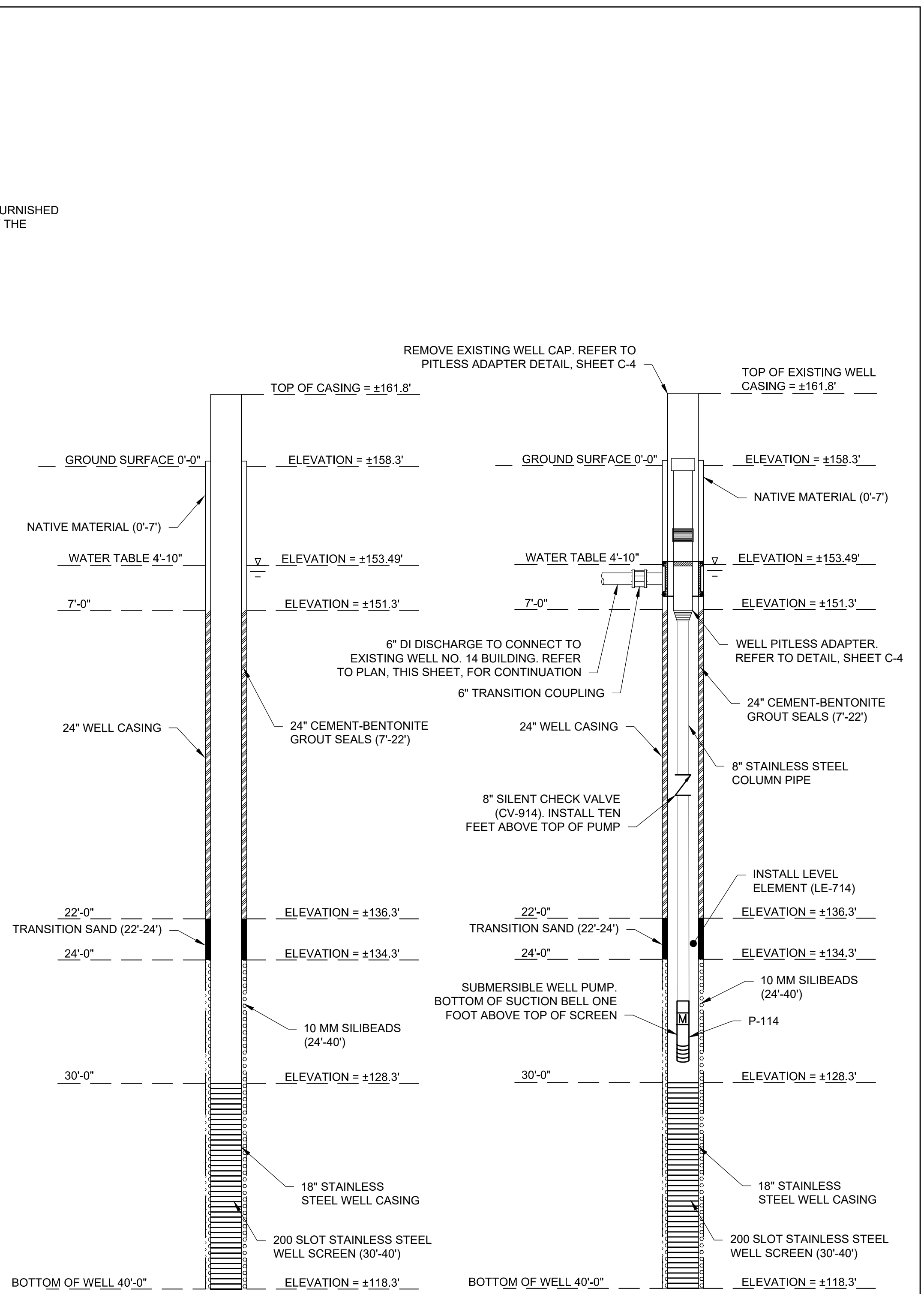
WELL NO. 14 - EXISTING CONDITIONS SITE PLAN

FOR PERMITTING
Sheet No.

C-1



PLAN
SCALE: 1" = 10'



WELL NO. 14R 18" X 24"
EXISTING WELL SECTION
SCALE: 1" = 4'

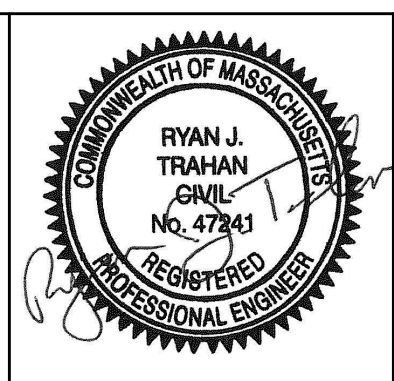
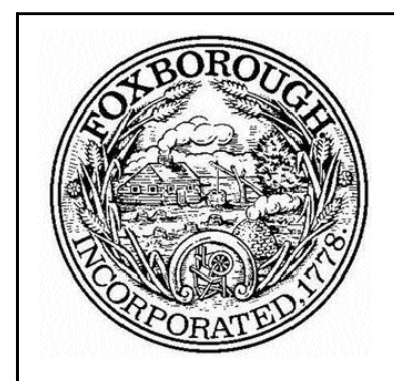
WELL NO. 14R 18" X 24"
PROPOSED WELL SECTION
SCALE: 1" = 4'

WELL SECTION NOTES:

1. DISINFECT WELL, SCREEN, PUMP, AND APPURTENANCES. PROVIDE TWO CONSECUTIVE DAYS OF NEGATIVE COLIFORM RESULTS. COLIFORM RESULTS SHALL BE REPORTED ON MASSDEP STANDARD DRINKING WATER FORMS.
2. REFER TO PITLESS ADAPTER DETAIL ON SHEET C-4 FOR ADDITIONAL REQUIREMENTS.

NOTES:

1. PROVIDE VERTICAL AND HORIZONTAL BENDS AS NEEDED ON PROPOSED RAW WATER PIPING TO MAINTAIN A MINIMUM OF 5' OF COVER FROM THE PITLESS ADAPTER TO EXISTING WELL NO. 14. CONTRACTOR SHALL FURNISH ALL NECESSARY BENDS, FLEXIBLE COUPLINGS, THRUST RESTRAINT, SOLID SLEEVES, AND ADDITIONAL APPURTENANCES ALONG INSULATED PIPING.
2. CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCE AT THE END OF THE GRAVEL ACCESS ROAD. REFER TO SHEET C-4 FOR ADDITIONAL DETAILS.
3. EXISTING OBSERVATION AND TEST WELL SHALL NOT BE ABANDONED.
4. CONTRACTOR SHALL ENSURE THAT THE SITE IS RESTORED TO PRE-CONSTRUCTION GRADES AND THAT ALL AREAS SHALL BE GRADED TO DRAIN. FINISHED GRADES SHALL SLOPE AWAY FROM REPLACEMENT WELL NO. 14R.
5. WORK SHALL BE COMPLETED IN ACCORDANCE WITH MASSDEP REQUIREMENTS.
6. REFER TO M-SHEETS FOR ADDITIONAL INFORMATION.
7. REFER TO G-1 FOR ADDITIONAL RAW WATER MAIN REQUIREMENTS.



MARK	DATE	DESCRIPTION

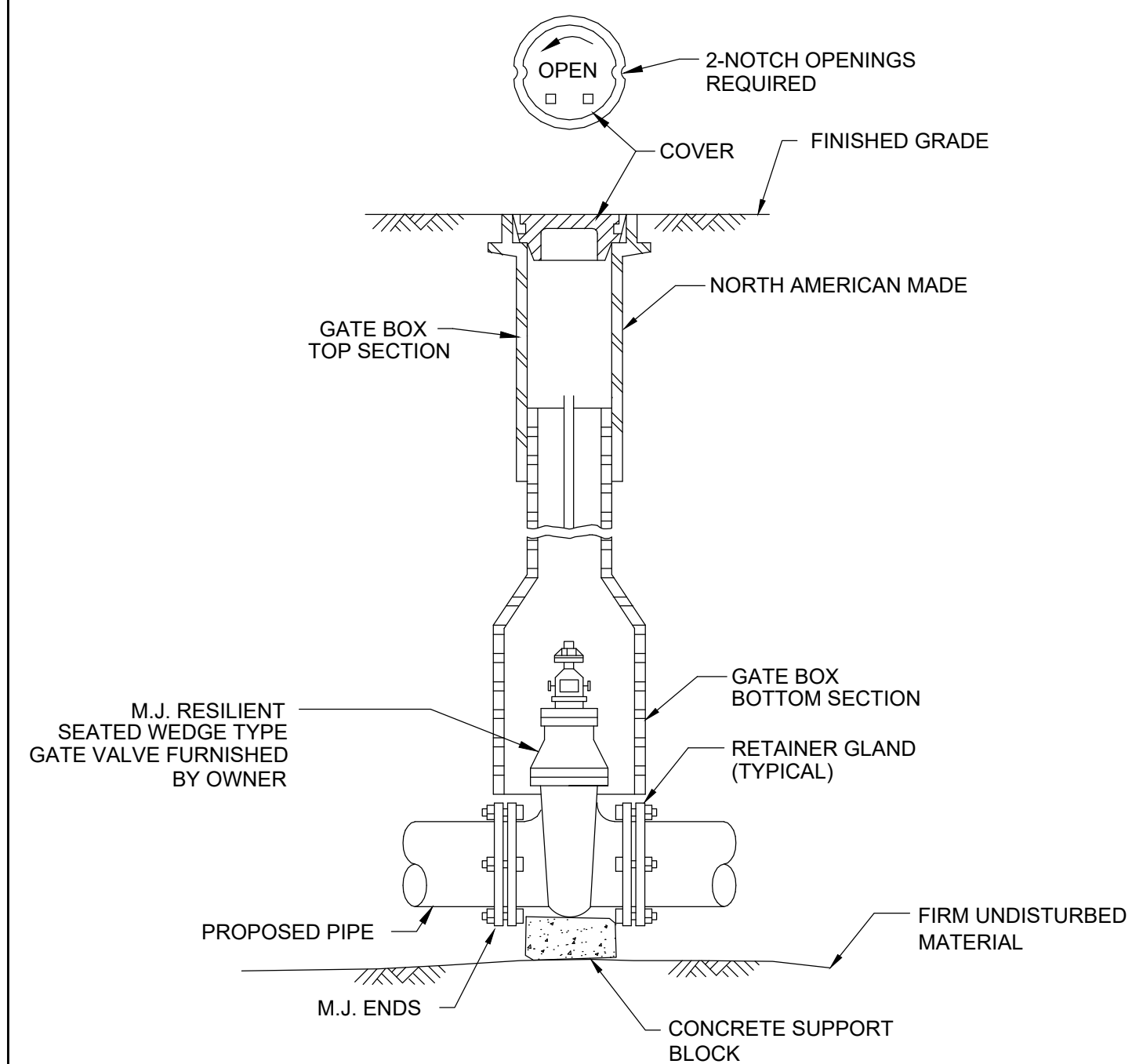
Scale	AS SHOWN
Date	JANUARY 2021
Job No.	325-1804
Designed by	AJL
Drawn by	AJL
Checked by	CPG
Approved by	RJT

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

WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS

WELL NO. 14R - PROPOSED SITE PLAN
AND REPLACEMENT WELL LOG

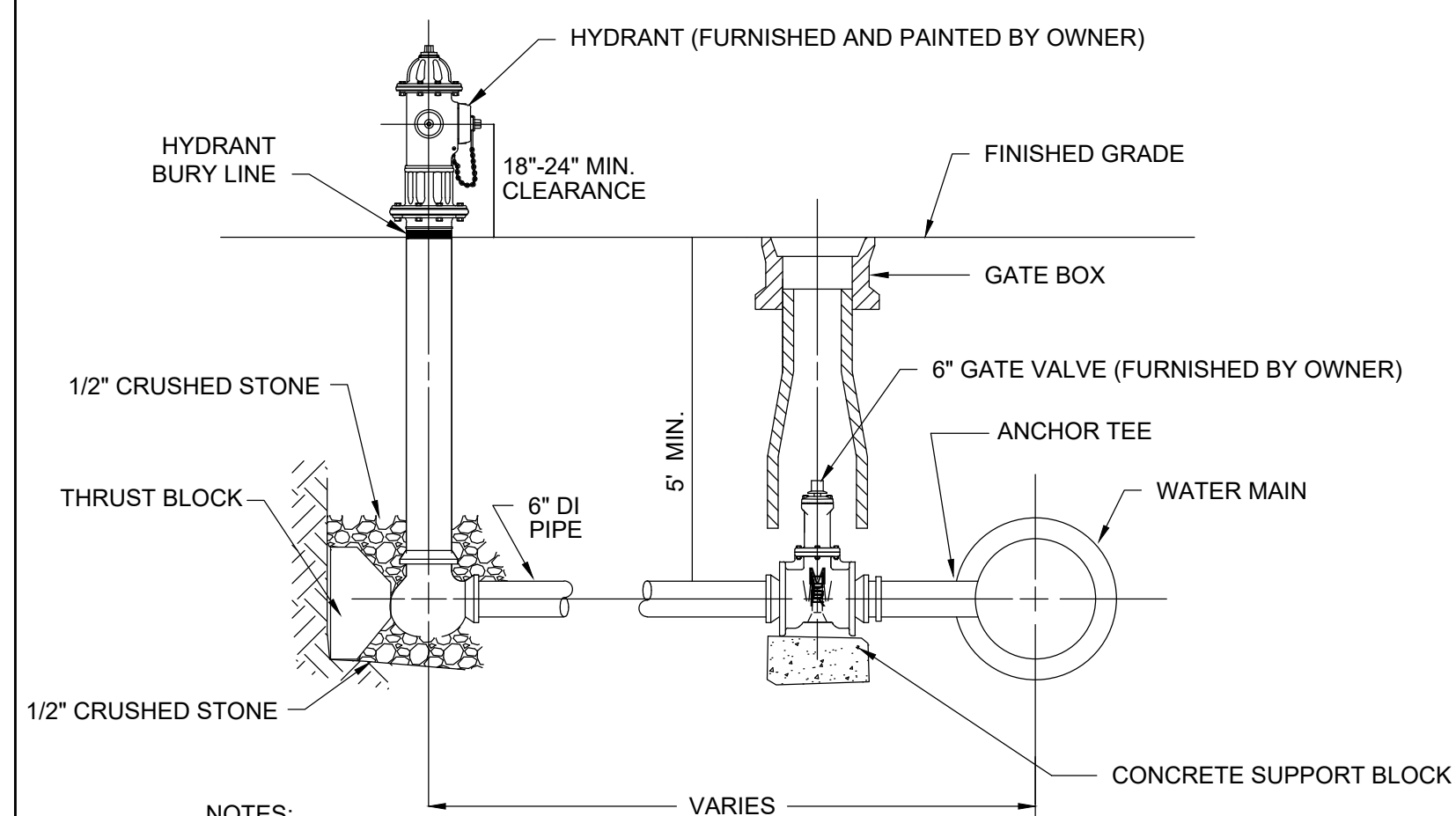
FOR PERMITTING
Sheet No.
C-2



NOTES:

1. GATE VALVE (ONLY) SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

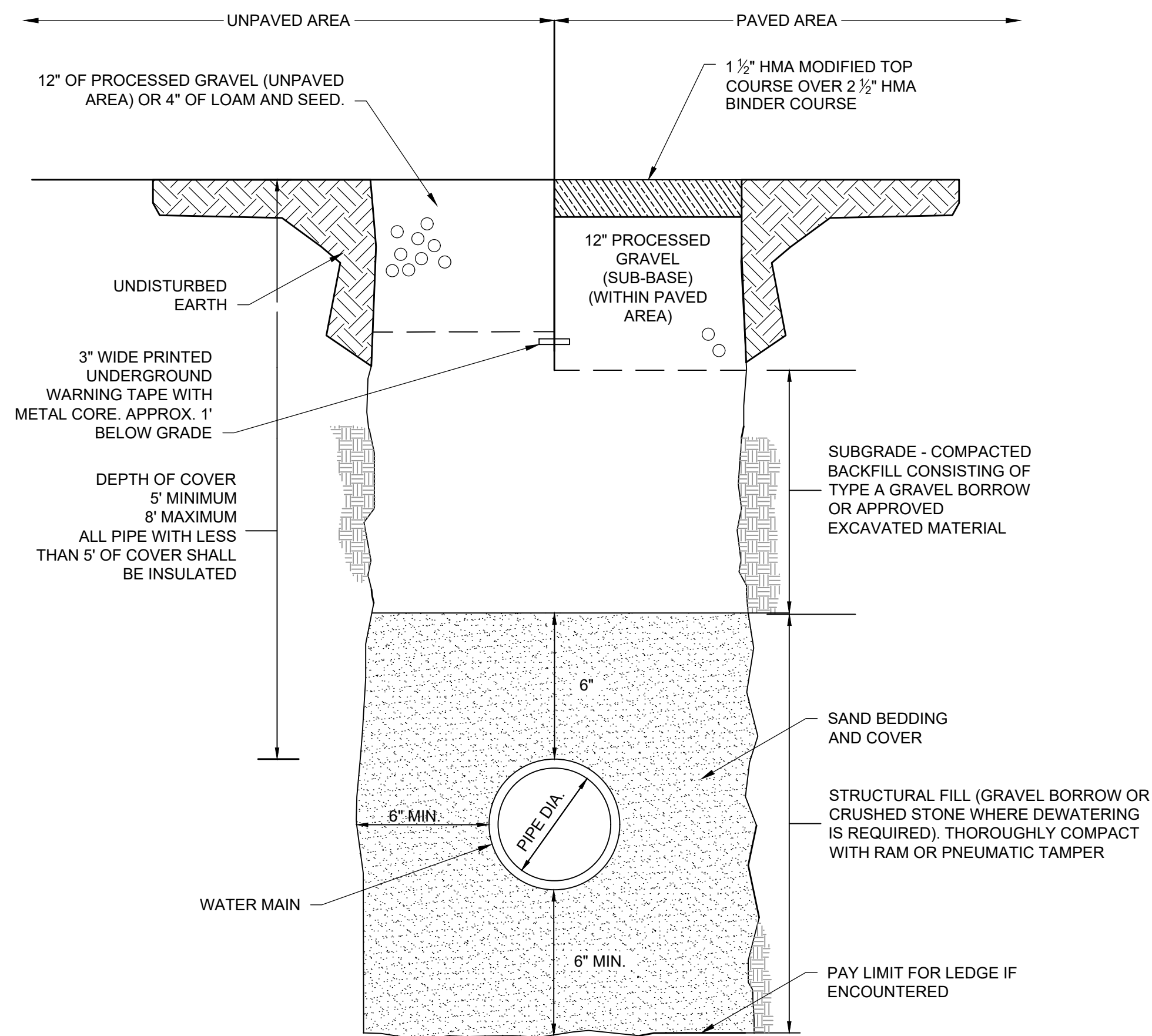
GATE VALVE AND VALVE BOX DETAIL
SCALE: N.T.S.



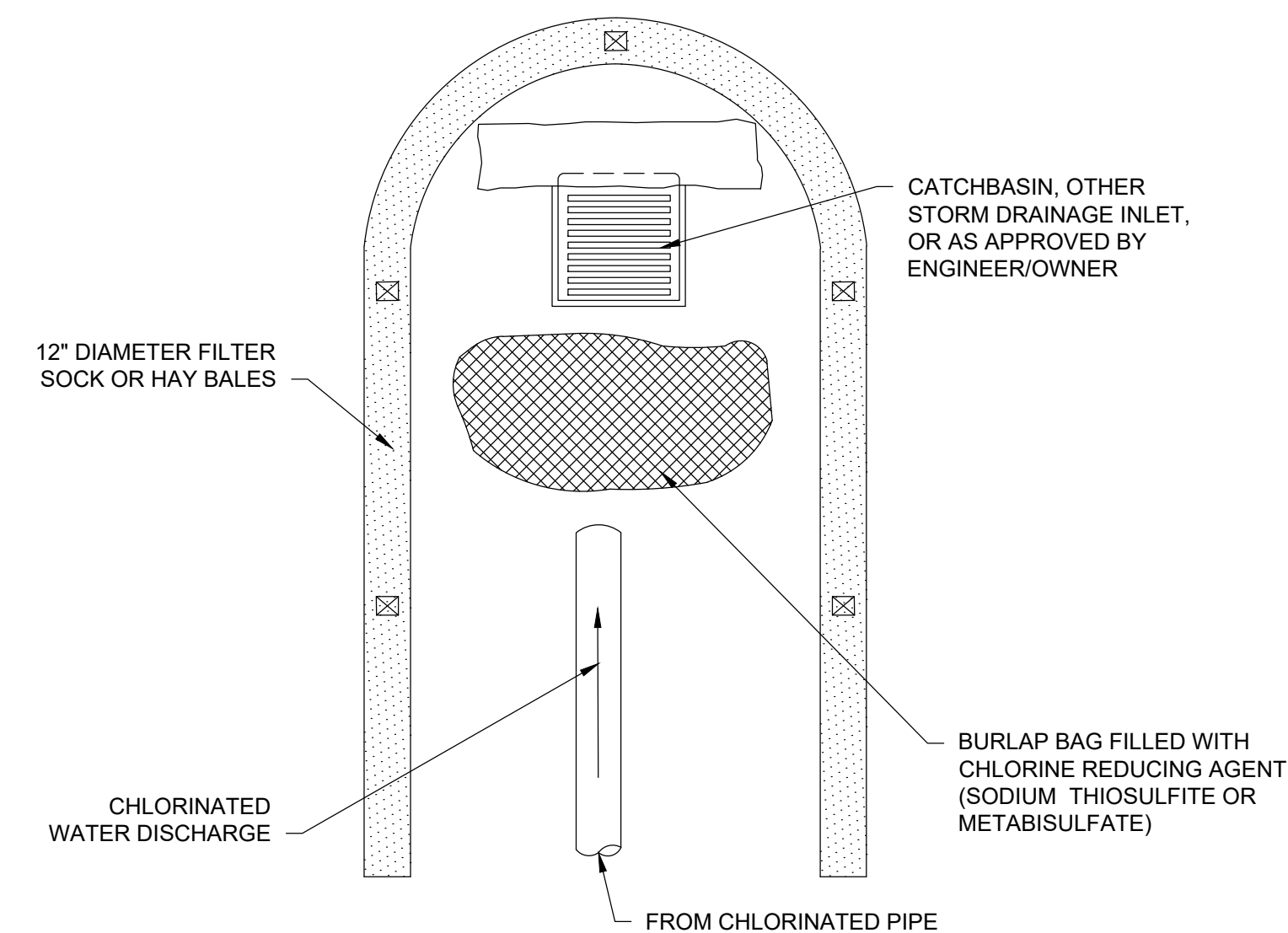
NOTES:

1. ALL HYDRANT, VALVE AND TEE JOINTS TO BE RESTRAINED MECHANICAL JOINTS.
2. DEPTH OF HYDRANT BURY SHALL SUIT INSTALLED DEPTH OF COVER OVER WATER MAIN
3. INSTALL RISERS AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
4. HYDRANT AND GATE VALVE (ONLY) SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. HYDRANT SHALL BE PAINTED BY THE OWNER.

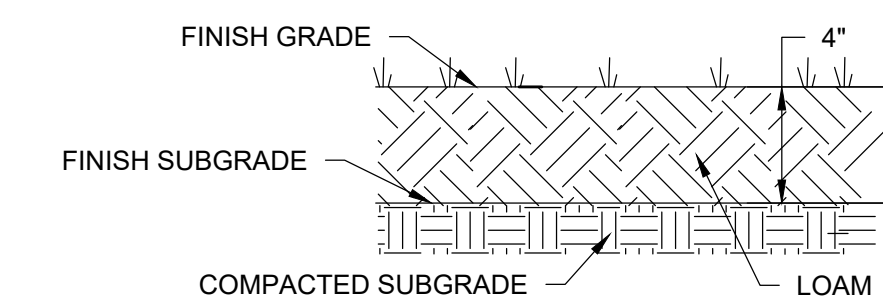
FIRE HYDRANT ASSEMBLY DETAIL
SCALE: N.T.S.



TYPICAL WATER TRENCH DETAIL
SCALE: N.T.S.

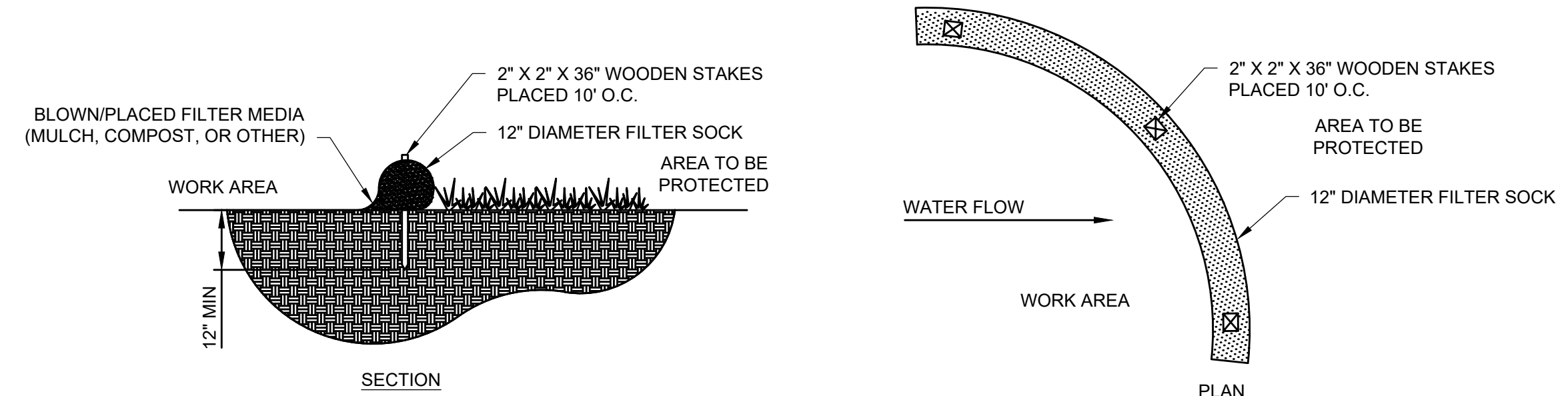


DECHLORINATION DETAIL
SCALE: N.T.S.

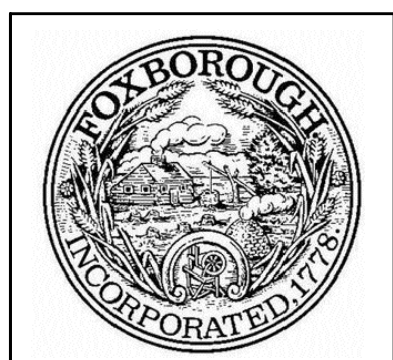


NOTE: INSTALL CURLEX CL EROSION CONTROL BLANKET AS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY (OR APPROVED EQUAL) ON ALL LOAM AND SEEDED SLOPES 3:1 OR STEEPER.

LOAM AND SEED (DISTURBED AREAS)
SCALE: N.T.S.



12" DIAMETER FILTER SOCK
SCALE: N.T.S.



ENVIRONMENTAL PARTNERS



MARK	DATE	DESCRIPTION

Scale	AS SHOWN
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Designed by	AJL
Drawn by	AJL
Checked by	CPG
Approved by	RJT

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WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS

CIVIL DETAILS I

FOR PERMITTING
Sheet No.

C-3

PROCESS MECHANICAL NOTES

- THE REQUIREMENTS INCLUDED IN THESE NOTES ARE SUPPLEMENTARY TO THE CONTRACT, GENERAL CONDITIONS, TECHNICAL REQUIREMENTS, AND OTHER REQUIREMENTS SPECIFIED HEREIN.
- MOUNTING DETAILS PROVIDED ARE GENERIC FOR EQUIPMENT AND DEVICES OF VARIOUS MANUFACTURERS. THE INSTALLING CONTRACTOR MUST STRICTLY COMPLY WITH MANUFACTURER'S INSTRUCTION IN THE INSTALLATION OF THESE DEVICES. IF THERE ARE ANY ENGINEERING ISSUES, THEY MUST BE REFERRED TO THE ENGINEER PRIOR TO INSTALLATION.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO PORTRAY EVERY DETAIL OF THE REQUIRED WORK. THE CONTRACTOR SHALL PROVIDE THE EQUIPMENT AND SYSTEMS COMPLETE SO THAT WHEN ASSEMBLED AND INSTALLED IN THE WORK, THEY SHALL OPERATE AND PERFORM AS DESCRIBED HEREIN.
- COORDINATE THE WORK REQUIRED BY THESE DRAWINGS ("M" SERIES) WITH THE WORK REQUIRED BY OTHER DRAWINGS.
- PROVIDE FILLER FLANGES (OR OTHER ENGINEER APPROVED METHOD) TO LIMIT INTERFERENCE BETWEEN WAFER BUTTERFLY VALVES AND DUCTILE IRON PIPE LINING OR CAST IRON FITTINGS.
- ALL WALL AND FLOOR SLEEVES SHALL BE LARGE ENOUGH TO ACCOMMODATE FLANGES AS REQUIRED. FLOOR SLEEVES SHALL PROJECT AT LEAST 4-IN ABOVE FINISH FLOOR UNLESS OTHERWISE SHOWN. IF SLEEVES ARE TO BE SEALED, PROVIDE GROOVED COUPLING PIPING CONNECTION TO FACILITATE INSTALLATION AND REMOVAL OF PIPING.
- ALL PIPE PENETRATIONS THROUGH INTERIOR AND EXTERIOR WALLS AND FLOORS SHALL BE SEALED WATERTIGHT.
- SMALL PIPING (SAMPLE, SERVICE WATER, ETC.) IS SHOWN DIAGRAMMATICALLY: FIELD-ROUTING SUBJECT TO APPROVAL OF THE ENGINEER. SMALL PIPE ROUTING MUST NOT INTERFERE WITH ACCESS TO OR OPERATION OF ANY OTHER PIPE, VALVE, OR EQUIPMENT.
- ALL PROCESS EQUIPMENT, INCLUDING PUMPS, SHALL BE ISOLATED FROM PIPING LOADS AND DYNAMICS BY FLEXIBLE CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.
- ALL PIPING, VALVES, EQUIPMENT, ETC. SHALL BE LABELED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION FOR ALL WALL PENETRATIONS WITH THE VARIOUS TRADES. WALL PIPES AND WALL SLEEVES SHALL BE REQUIRED FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALLS WHETHER SHOWN ON THE DRAWINGS OR NOT. ALL WALL AND FLOOR SLEEVES SHALL BE LARGE ENOUGH TO ACCOMMODATE FLANGES, IF REQUIRED.
- ALL SLEEVE TYPE COUPLINGS ON PRESSURE PIPING SHALL BE HARNESSSED UNLESS OTHERWISE INDICATED. WHERE COUPLINGS ARE PROVIDED TO PROVIDE AXIAL FLEXIBILITY, PIPING MUST BE SECURELY RESTRAINED.
- WHEN MAKING NEW CONNECTIONS TO EXISTING PIPING, THE CONTRACTOR MAY, AT ITS OPTION:
 - REPLACE PIPING BACK TO NEAREST FITTING.
 - USE SLEEVE COUPLING OR FLANGE ADAPTERS (RESTRAINED ON PRESSURE LINES).
- MATERIALS AND WORKMANSHIP FURNISHED UNDER THIS CONTRACT SHALL BE A STANDARD, HIGH-GRADE QUALITY, AND OF THE BEST WORKMANSHIP AND DESIGN. ALL LIKE PARTS OF EQUIPMENT OF THE SAME SIZE OR CAPACITY SHALL BE INTERCHANGEABLE. SUITABLE PROVISION SHALL BE MADE FOR EASY ADJUSTMENT OR REPLACEMENT OF ALL PARTS REQUIRING ADJUSTMENT OR REPLACEMENT.
- UNLESS OTHERWISE SPECIFIED, NEAT BRASS PLATE, OR OTHERWISE SUITABLE MATERIAL, HAVING THE SERIAL NUMBER, THE MAKE, HORSEPOWER, CAPACITY, SPEED, AND OTHER PERTINENT DATA, AND ANY IMPORTANT OPERATING OR MAINTENANCE INSTRUCTIONS, PERMANENTLY AND CLEARLY MARKED ON THE PLATE, SHALL BE MOUNTED ON EACH ITEM OF EQUIPMENT. ALL IMPORTANT PARTS OF EQUIPMENT, AS DIRECTED BY ENGINEER/OWNER SHALL BE STAMPED FOR IDENTIFICATION AND LOCATION.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. AS APPROVED, TRULY LEVEL AND PLUMB, AND SHALL BE PROVIDED COMPLETE WITH ALL NECESSARY PIPING, FITTINGS, VALVES, CONTROLS, WIRING, AND APPURTENANCES AND ACCESSORIES SO THE EQUIPMENT WILL BE LEFT COMPLETE AND IN SATISFACTORY OPERATION. PARTICULAR CARE SHALL BE TAKEN IN THE INSTALLATION OF PUMPS IN ORDER TO PREVENT A STRAIN ON THE PIPING OR PUMP FLANGES AND THE CONTRACTOR SHALL INSURE THE CORRECT ALIGNMENT OF SHAFTS, COUPLINGS, AND BEARINGS.
- THE INSTALLATION OF FACILITIES AND APPURTENANT WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL FEDERAL, STATE, AND MUNICIPAL CODES AND REGULATIONS GOVERNING THE WORK. IN INSTANCES WHERE THE REQUIREMENT OF DRAWINGS AND SPECIFICATIONS ARE IN EXCESS OF THE REQUIREMENTS OF THE APPLICABLE CODES AND REGULATIONS, AND ARE PERMITTED THEREUNDER, THEN, IN SUCH INSTANCES, THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL GOVERN, UNLESS DIRECTED OTHERWISE IN WRITING BY THE ENGINEER.

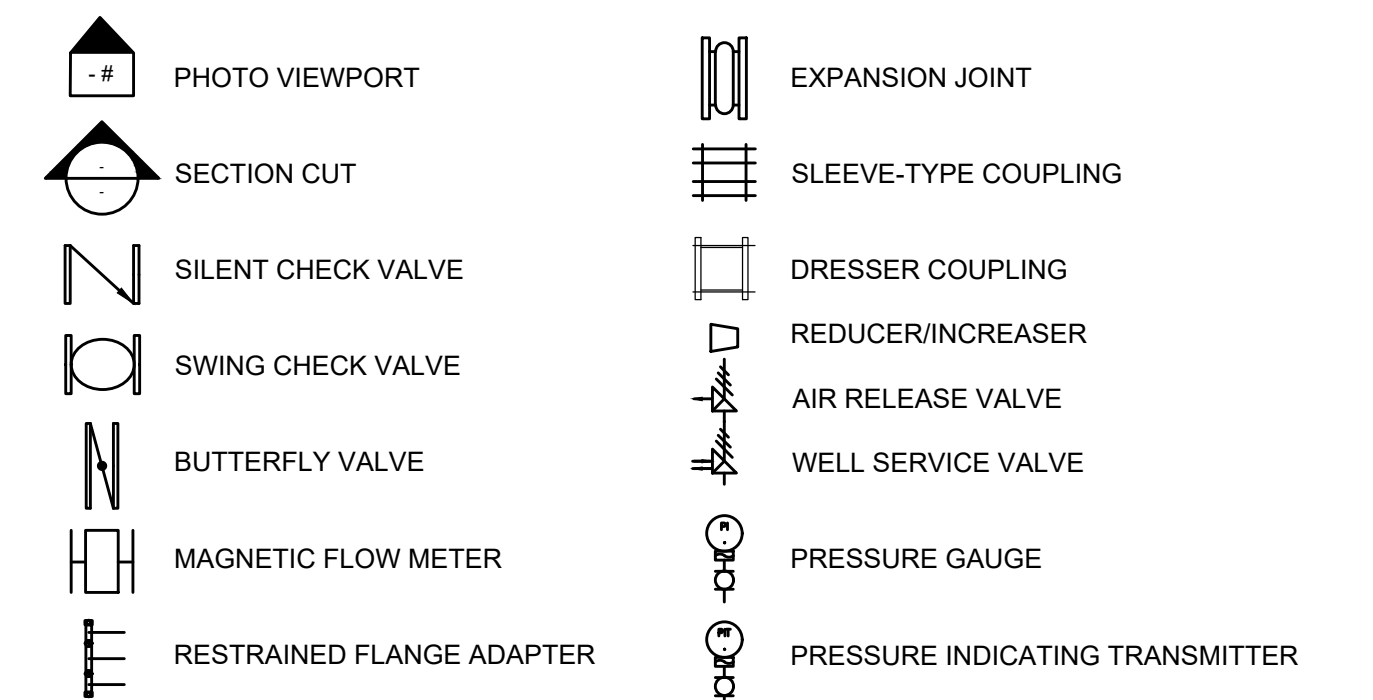
- ALL WEDGES, SHIMS, FILLING PIECES, KEYS, PACKING, GROUT, OR OTHER MATERIALS NECESSARY TO PROPERLY ALIGN, LEVEL, AND SECURE APPARATUS IN PLACE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. ALL PARTS INTENDED TO BE PLUMB OR LEVEL MUST BE PROVEN EXACTLY SO. ANY GRINDING NECESSARY TO BRING PARTS TO PROPER BEARING AFTER ERECTION SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL OPENINGS, CHANNELS, CHASES, ETC. AS REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT, TOGETHER WITH THOSE REQUIRED BY OTHER CONTRACTORS.
- EXISTING PROCESS SYSTEMS, PIPELINES, EQUIPMENT, AND APPURTENANCES ARE SHOWN ON THESE DRAWINGS FOR REFERENCE ONLY AND WERE OBTAINED FROM THE BEST AVAILABLE SOURCES. THE EXACT LOCATION AND ELEVATION OF THESE ITEMS SHALL BE INVESTIGATED AND FIELD VERIFIED BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINT OF ALL EXPANSION JOINTS/FLEX CONNECTORS WITH TIE-RODS.
- WHERE CONNECTION OF NEW PIPING SYSTEMS TO EXISTING PIPING SYSTEMS IS REQUIRED, CONTRACTOR SHALL PROVIDE MISCELLANEOUS FITTINGS, FILLER FLANGES, COUPLINGS, ETC. AS MAY BE REQUIRED TO COMPLETE THE WORK, WHETHER SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING DIMENSIONS.
- CONTRACTOR SHALL SUBMIT PIPING LAYOUT DIAGRAMS TO THE ENGINEER FOR APPROVAL PRIOR TO ANY PIPING INSTALLATION. PIPING LAYOUT DIAGRAMS SHALL SHOW DIMENSIONS OF ALL VALVES, FITTINGS, PIPE RUNS, AND SUPPORTS.
- ALL PIPING SYSTEMS AND EQUIPMENT SHALL BE ADEQUATELY AND SAFELY SUPPORTED. CONTRACTOR SHALL DESIGN, PROVIDE, AND INSTALL ALL SUPPORTS AS REQUIRED BY THE PIPING AND EQUIPMENT PROVIDED. AT A MINIMUM, ALL PIPING SYSTEMS SHALL BE SUPPORTED PER THE REQUIREMENTS OF MANUFACTURER'S STANDARDIZATION SOCIETY (MSS) SP-58 AND MSS SP-69. SUPPORT DESIGN SHALL ACCOMMODATE ALL STATIC AND OPERATIONAL CONDITIONS TO WHICH THE PIPING AND EQUIPMENT MAY BE SUBJECTED. SUPPORTS SHALL BE IN ADDITION TO THOSE SHOWN ON THE CONTRACT DRAWINGS.

DEMOLITION NOTES

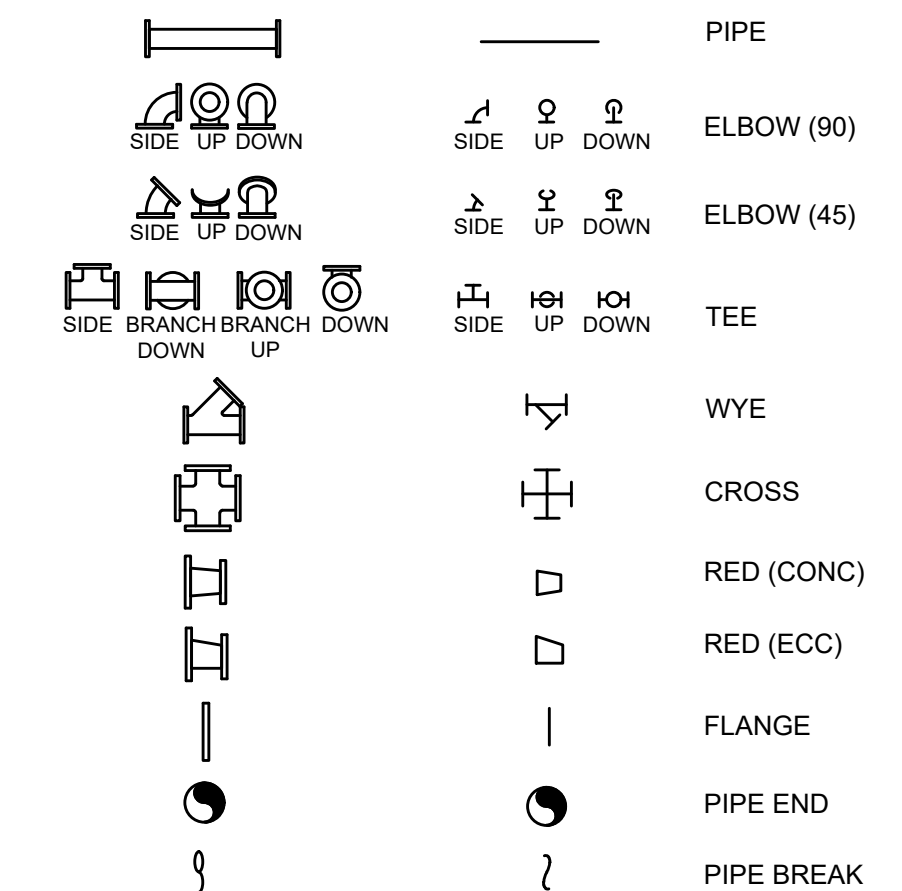
- ALL EQUIPMENT SHALL BE DE-ENERGIZED AND MADE SAFE BEFORE DEMOLITION.
- REFER TO CIVIL, ELECTRICAL, AND INSTRUMENTATION CONTRACT DOCUMENTS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- CONTRACTOR'S METHODS OF DEMOLITION SHALL BE APPROVED BY ENGINEER/OWNER PRIOR TO START OF WORK. NO EXCEPTIONS.
- COORDINATE SCHEDULE OF WORK WITH OWNER/ENGINEER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXPOSED FLOOR, WALL, AND CEILING PENETRATIONS FROM DEMOLITION OF PIPING, PIPE SUPPORTS, EQUIPMENT, PANELS, CONDUIT, AND ELECTRICAL SYSTEMS.
- DEMOLITION OF EXISTING STRUCTURES, MECHANICAL SYSTEMS, OR PROCESS SYSTEMS IS GENERALLY SHOWN OR INDICATED ON THE DRAWINGS. UNLESS OTHERWISE INDICATED, THE DEMOLITION OF A STRUCTURE OR PROCESS SYSTEM MEANS THE DEMOLITION, REMOVAL, PROPER CLEANING, AND DISPOSAL OF THE ENTIRE UNIT, INCLUDING SUBSTRUCTURE, SUPERSTRUCTURE, ELECTRICAL COMPONENTS, AND APPURTENANCES OR CONTENTS OF THE STRUCTURE OR EQUIPMENT SYSTEM. PROCESS MECHANICAL DEMOLITION IN GENERAL SHALL CONSIST OF DISMANTLING, CLEANING, AND REMOVAL OF EXISTING PIPING, PUMPS, MOTORS, CONTROLS, EQUIPMENT, SUPPORT BRACKETS, ANCILLARY DEVICES, AND OTHER APPURTENANCES AS INDICATED IN THE CONTRACT, OR REQUIRED FOR THE COMPLETION OF WORK.
- CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS AND EQUIPMENT.
- ALL EXISTING EQUIPMENT, DEVICES, AND APPURTENANCES TO REMAIN SHALL BE INCORPORATED INTO NEW AND EXISTING WORK/SYSTEMS IN ACCORDANCE WITH SPECIFICATION 01900.

MECHANICAL PROCESS LEGEND

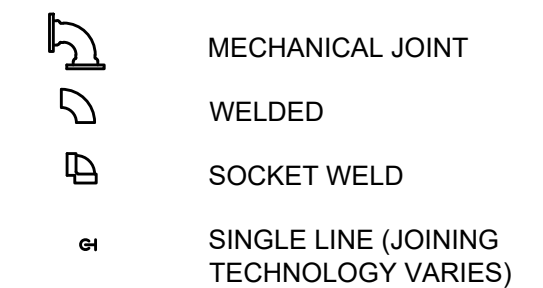
VALVES & APPURTENANCES



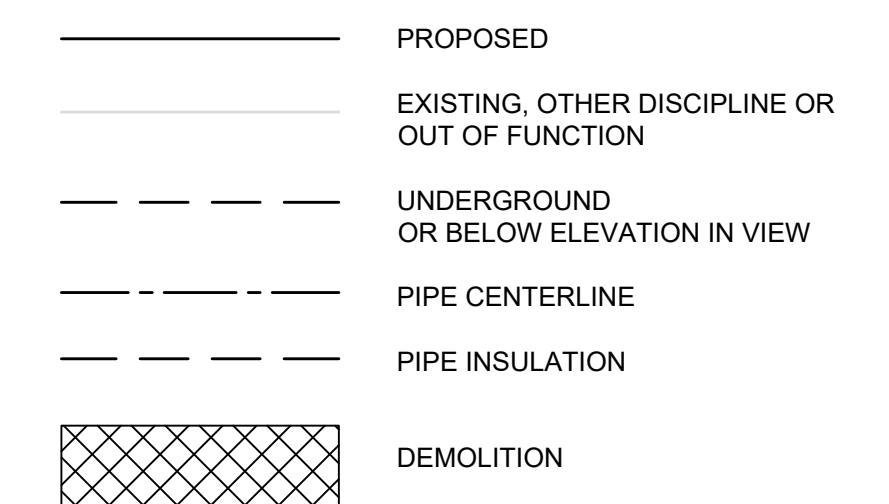
DOUBLE LINE SINGLE LINE



PIPE AND FITTING SYMBOLOGY SHOWN ABOVE IS FOR FLANGED DUCTILE IRON PIPE. SYMBOLOGY FOR OTHER PIPING SYSTEMS IS SIMILAR. END CONNECTIONS DENOTE JOINING TECHNOLOGY.



LINE DESIGNATIONS



PROCESS PUMP SCHEDULE

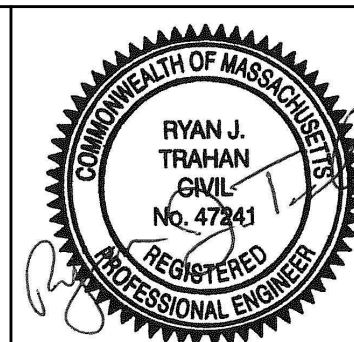
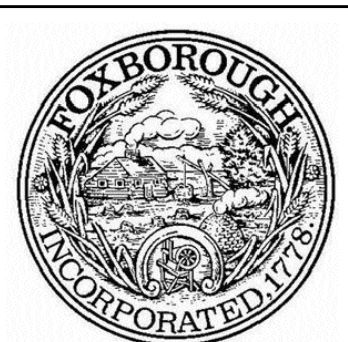
P&ID TAG NO.	DESCRIPTION	LOCATION	TYPE	OPERATING POINTS						DRIVE	MOTOR			VOLTAGE			REMARKS
				PT 1		PT 2		PT 3			HP	RPM	ENCL	VAC	Hz	pH	
				FLOW (GPM)	HEAD (FT)	FLOW (GPM)	HEAD (FT)	FLOW (GPM)	HEAD (FT)								
P-114	WELL PUMP	WELL NO. 14R	SUBMERSIBLE	333	63	500	74	666	104	VARIABLE	25	1715	SUB	460	60	3	COORDINATE WITH EXISTING VFD TO REMAIN. PUMP SHALL BE FST-10FMC 3-STG BY FRANKLIN ELECTRIC OR ENGINEER APPROVED EQUAL.

VALVE SCHEDULE

P&ID TAG NO.	DESCRIPTION	LOCATION	TYPE	APPLICATION	SIZE (INCHES)	SERVICE	ACTUATOR	VALVE POSITION	REMARKS
CV-214	WELL NO. 14R CHECK VALVE	WELL STATION NO. 14	SWING CHECK VALVE	WATER	6	CHECK	--	--	
BFV-314	WELL NO. 14R BUTTERFLY VALVE	WELL STATION NO. 14	BUTTERFLY VALVE	WATER	4	ISOLATION	MANUAL	NORMALLY OPEN	
WSV-414	WELL NO. 14R WELL SERVICE VALVE	WELL STATION NO. 14	WELL SERVICE VALVE	AIR	1	AIR RELEASE/VACUUM	--	--	
CV-914	WELL NO. 14R PUMP COLUMN CHECK VALVE	WELL NO. 14R	SILENT CHECK VALVE	WATER	8	CHECK	--	--	

PRESSURE GAUGE SCHEDULE

P&ID TAG NO.	DESCRIPTION	LOCATION	TYPE	REMARKS
PI-814	WELL NO. 14R PRESSURE GAUGE	WELL STATION NO. 14	DIRECT MOUNTING, INDICATING DIAL	

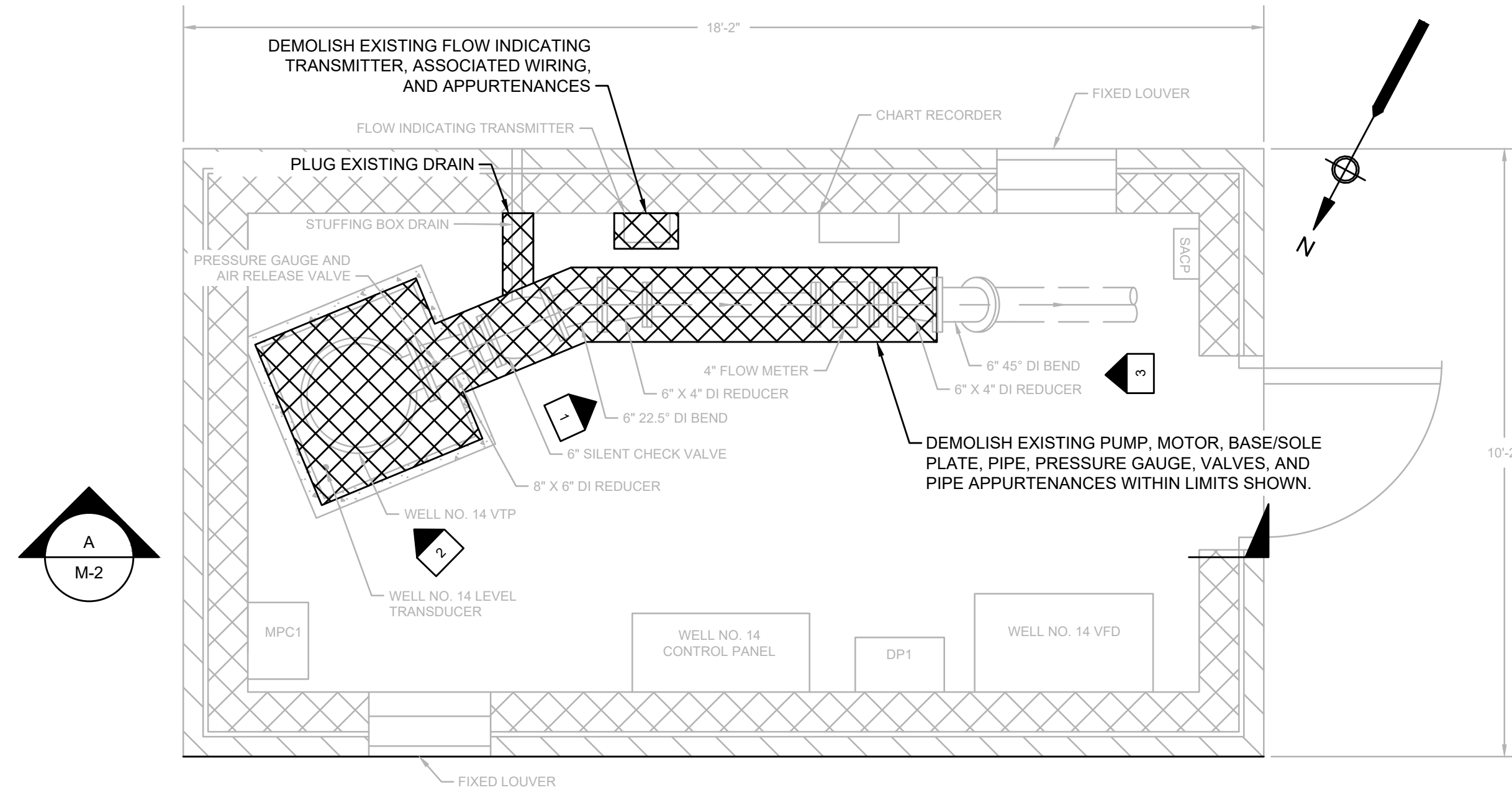


Scale	N.T.S.
Date	JANUARY 2021
Job No.	325-1804
Designed by	AJL
Drawn by	AJL
Checked by	CPG
Approved by	RJT

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WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS
PROCESS MECHANICAL NOTES AND LEGEND

FOR PERMITTING
Sheet No.
M-1



WELL NO. 14 EXISTING BUILDING

SCALE: 1/2"=1'-0"

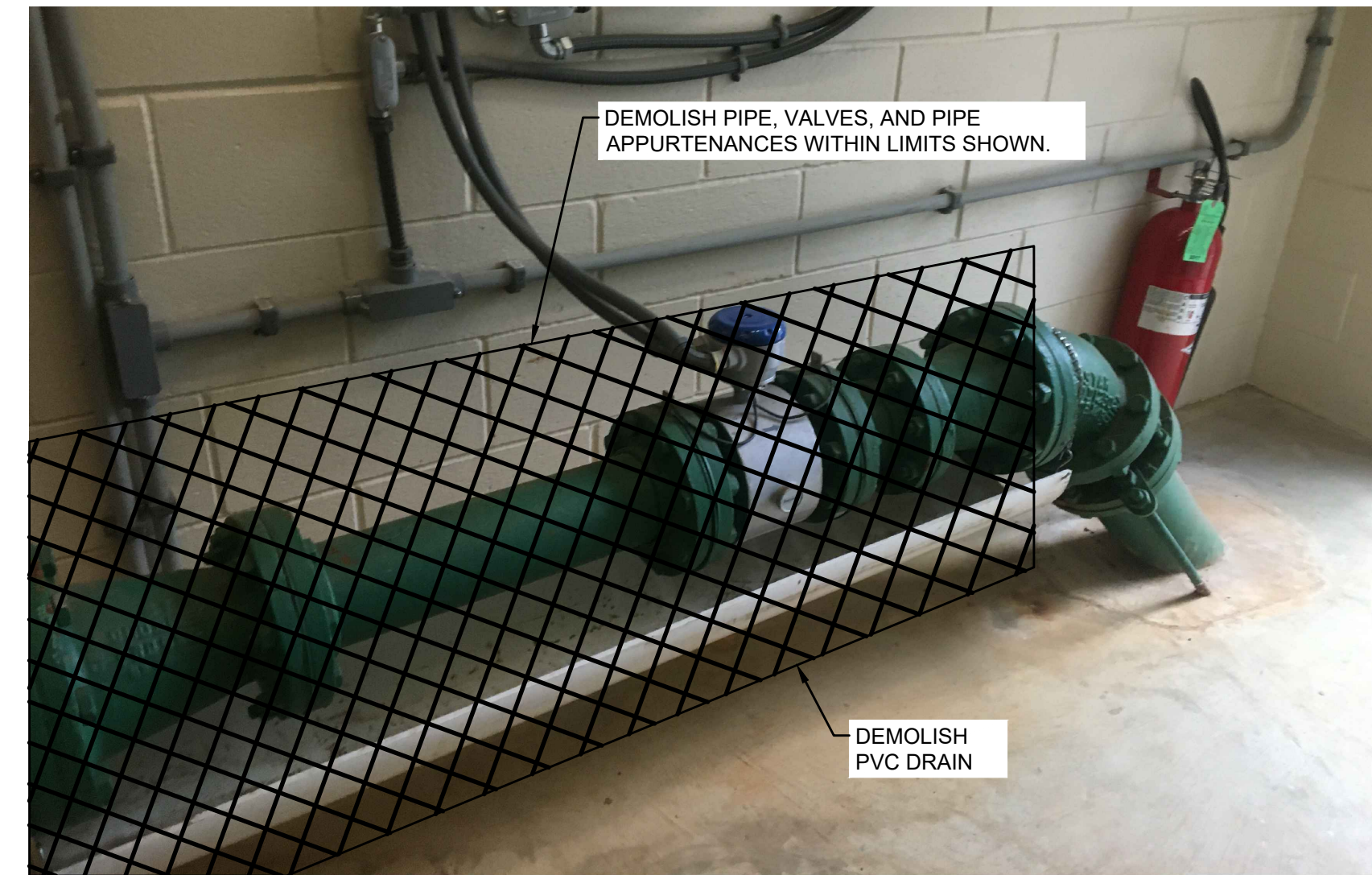
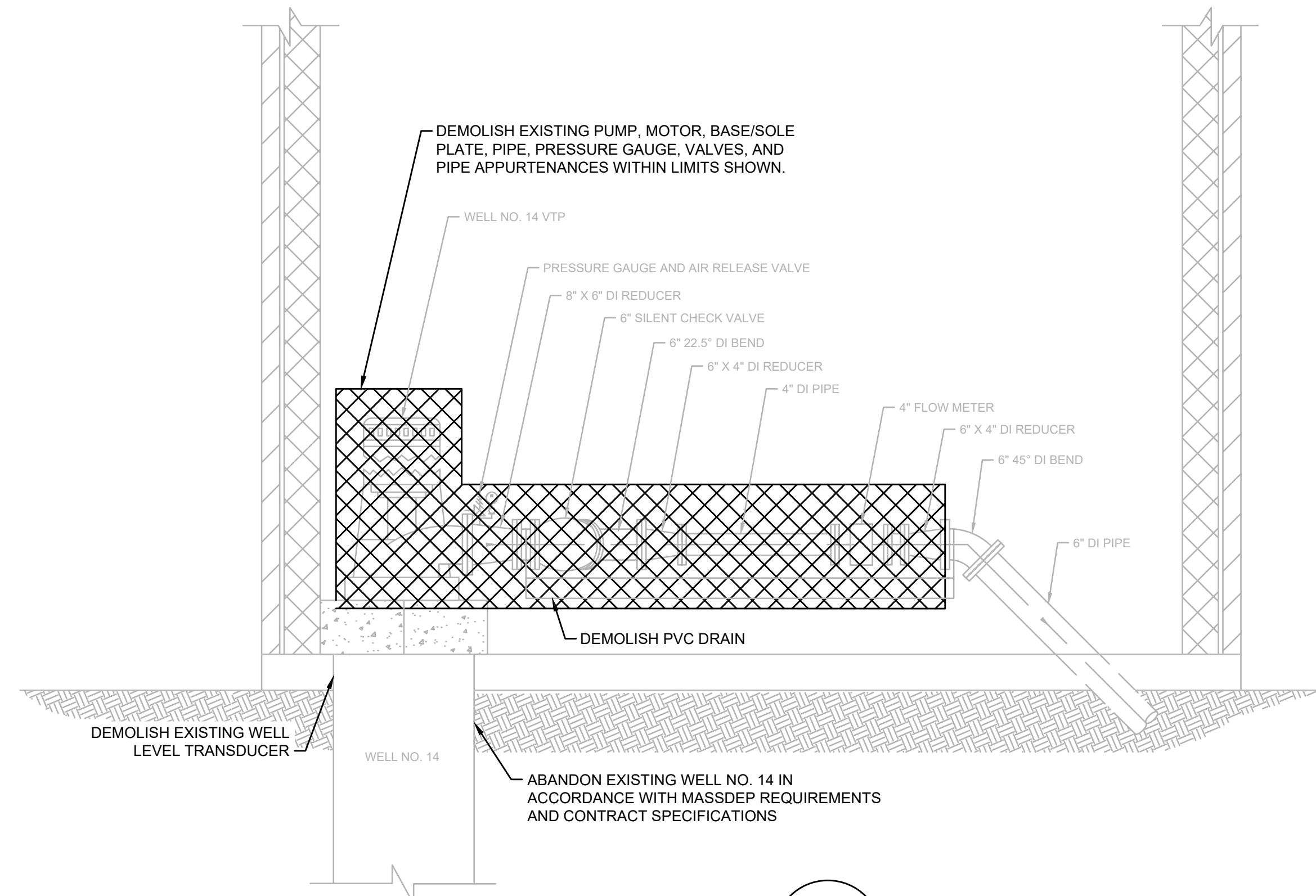


PHOTO 1

SCALE: N.T.S.
WELL NO. 14 PROCESS PIPING



SECTION A

SCALE: 1/2"=1'-0"

NOTES:

- EXISTING WELL NO. 14 INFORMATION IS TAKEN FROM "WITCH POND WATER TREATMENT FACILITY" OCTOBER 2004 REVISED SEPTEMBER 2007 CONTRACT DRAWINGS BY EARTH TECH.
- CONTRACTOR SHALL ABANDON THE WELL FOLLOWING MASSDEP APPROVAL AND IN ACCORDANCE WITH MASSDEP PROTOCOL, PERMIT APPROVAL CONDITIONS AND REQUIREMENTS, AND CONTRACT SPECIFICATIONS.
- DEMOLISH ALL EQUIPMENT, PIPING, AND SYSTEMS AS NOTED INCLUDING ALL ANCILLARY SUPPORTS, PIPING, CONDUIT, AND WIRING.
- REFER TO SHEET M-1 FOR ADDITIONAL DEMOLITION REQUIREMENTS.



PHOTO 2

SCALE: N.T.S.
WELL NO. 14 PUMP, MOTOR, AND LEVEL TRANSDUCER

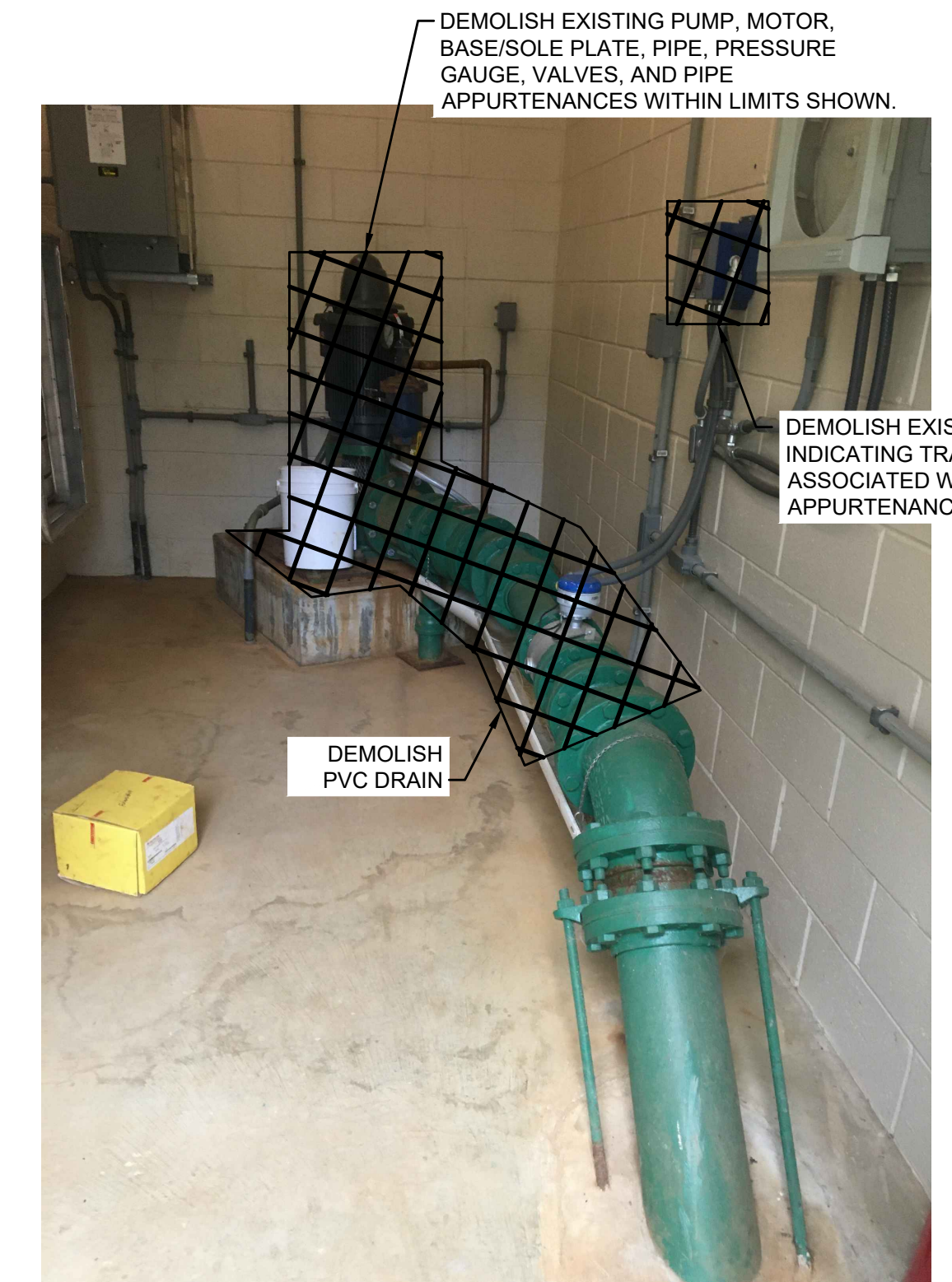
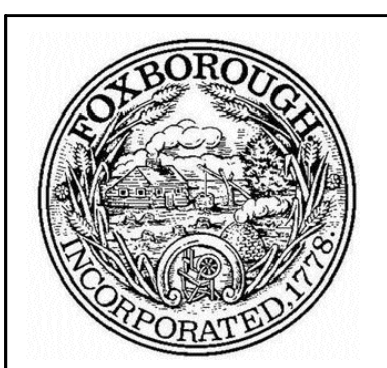
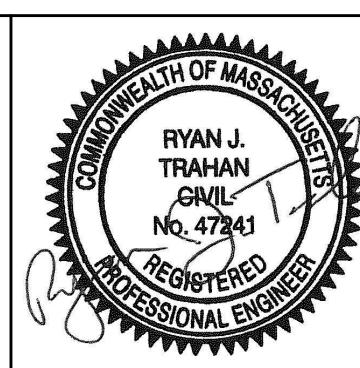


PHOTO 3

SCALE: N.T.S.
WELL NO. 14 PUMP, MOTOR, AND PROCESS PIPING



ENVIRONMENTAL PARTNERS



Scale	AS SHOWN	
Date	JANUARY 2021	
Job No.	325-1804	
Designed by	AJL	
Drawn by	AJL	
Checked by	CPG	
Approved by	RJT	
MARK	DATE	DESCRIPTION

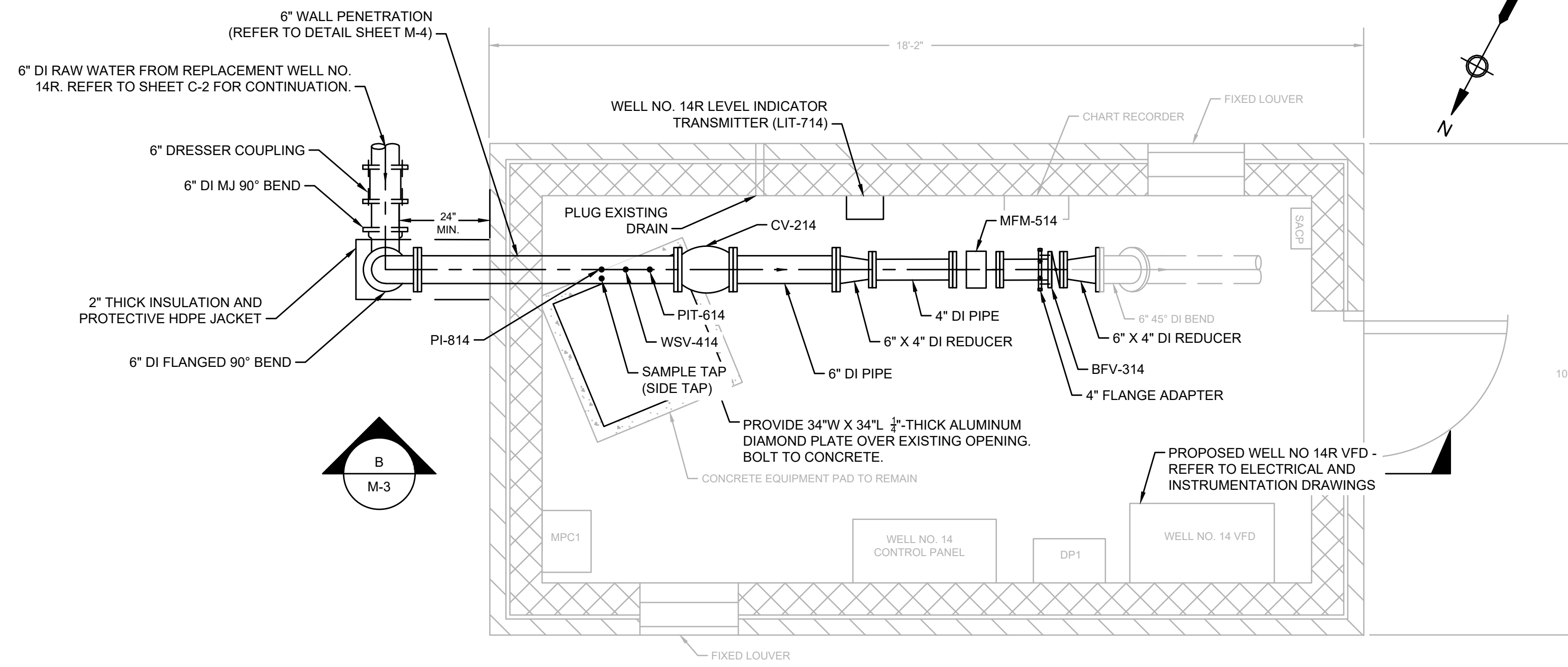
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**WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS**

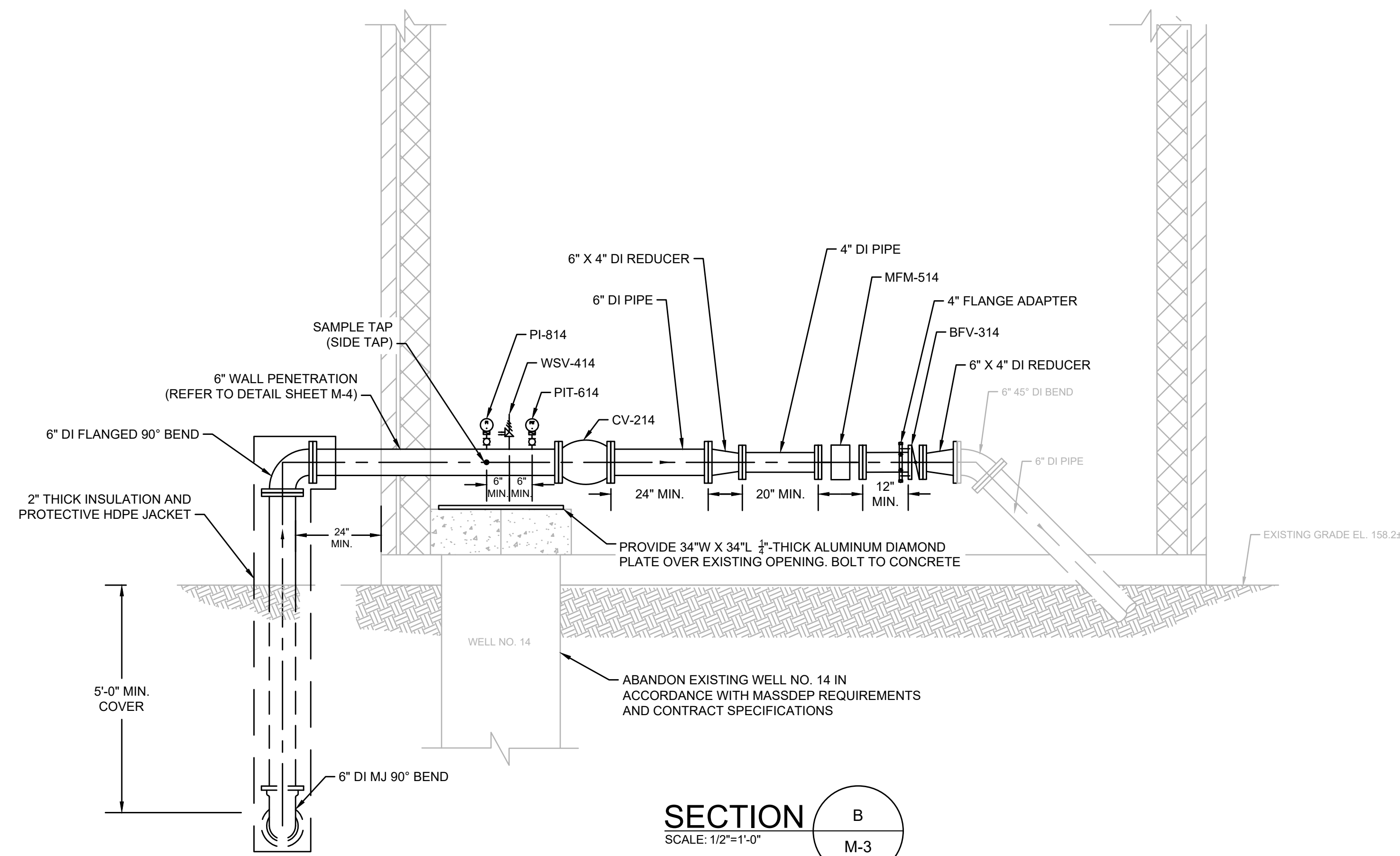
**WELL NO. 14
DEMOLITION PLAN**

FOR PERMITTING
Sheet No.

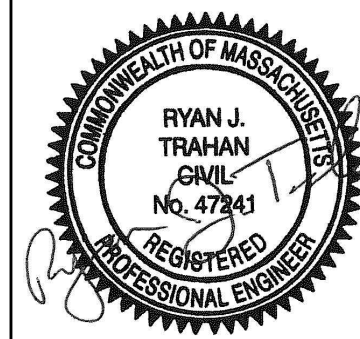
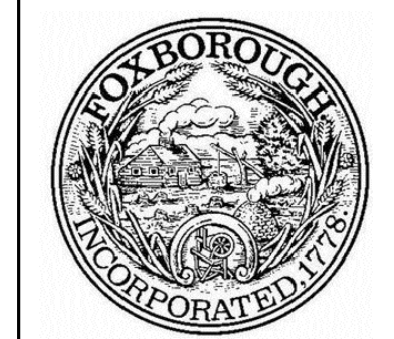
M-2



PLAN
SCALE: 1/2"=1'-0"



- NOTES:**
- ALL EXTERIOR PIPING WITH LESS THAN 5 FEET OF COVER SHALL BE INSULATED.
 - EXTERIOR BELOW GRADE PIPING SHALL HAVE RESTRAINED MECHANICAL JOINTS. ABOVE GRADE PIPING AND INTERIOR PIPING SHALL HAVE FLANGED JOINTS.
 - CONTRACTOR SHALL ABANDON THE WELL FOLLOWING MASSDEP APPROVAL AND IN ACCORDANCE WITH MASSDEP PROTOCOL, PERMIT APPROVAL CONDITIONS AND REQUIREMENTS, AND CONTRACT SPECIFICATIONS.
 - CONTRACTOR SHALL SUBMIT INTERIOR PIPING LAYOUT PLAN FOR OWNER/ENGINEER REVIEW AND APPROVAL PRIOR TO WORK.



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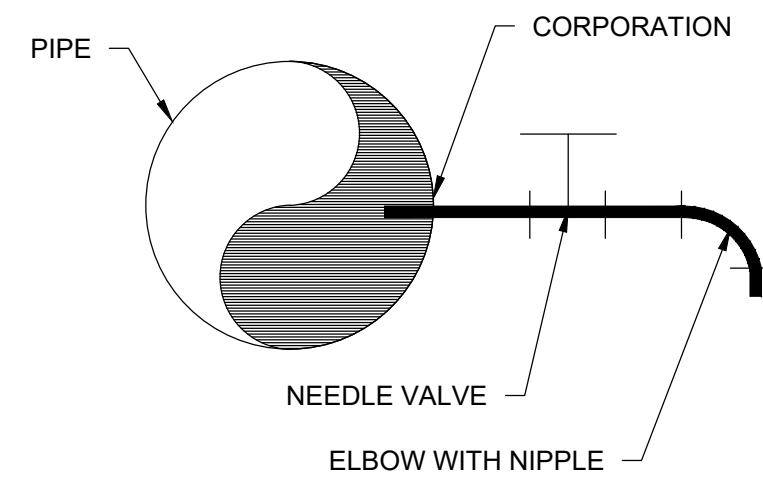
WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS

WELL NO. 14R
PROPOSED MODIFICATIONS PLAN

FOR PERMITTING

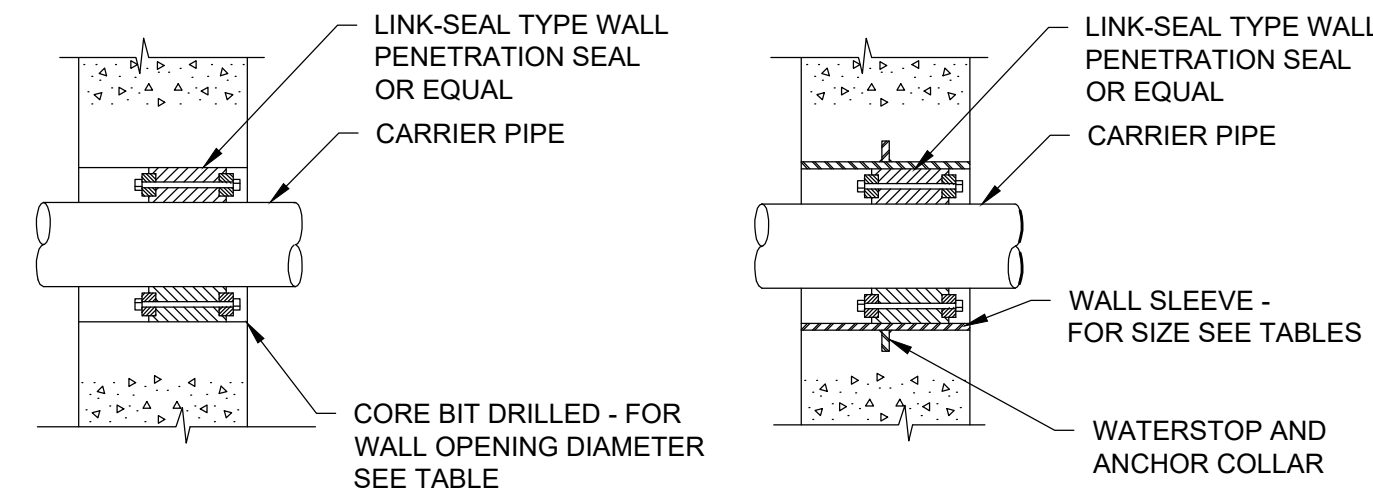
Sheet No.

M-3



- NOTES:
1. ALL SAMPLE TAPS SHALL BE A SMOOTH-NOSE STYLE. NO THREADS SHALL BE ON ANY SAMPLE TAP.

SAMPLE TAP DETAIL
SCALE: N.T.S.



EXISTING CONCRETE WALL
SCALE: N.T.S.

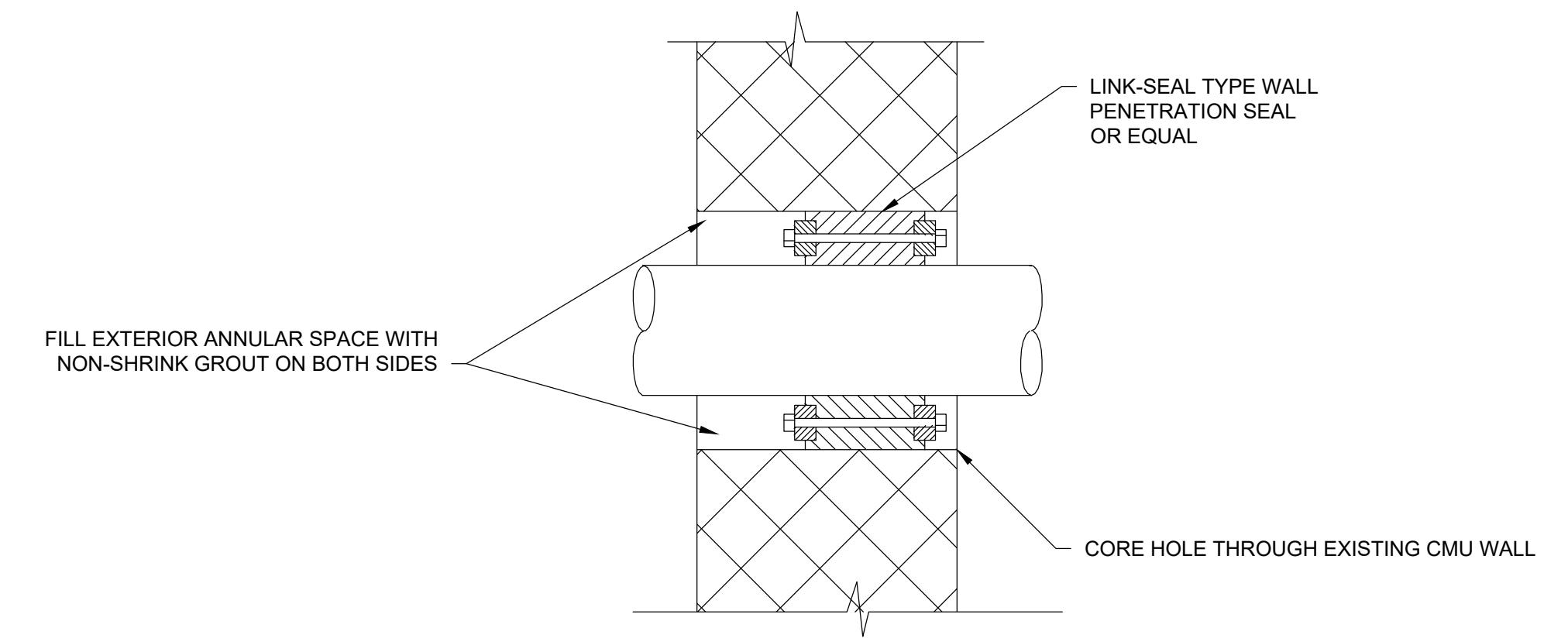
DUCTILE IRON CARRIER PIPE NOMINAL SIZE	DUCTILE IRON CARRIER PIPE O.D.	WALL SLEEVE SIZE	CORE SLEEVE DRILLED I.D.
2"	2.50"	4"	4"
4"	4.80"	8"	8"
6"	6.90"	10"	10"
8"	9.05"	12"	12"
10"	11.10"	14"	14"
12"	13.20"	16"	16"
16"	17.40"	20"	20"
18"	19.50"	24"	24"
24"	25.80"	30"	29"

NEW CONCRETE WALL
SCALE: N.T.S.

COPPER TUBING NOMINAL SIZE	COPPER TUBING PIPE O.D.	WALL SLEEVE SIZE	CORE SLEEVE DRILLED I.D.
1/2"	0.625"	2"	2"
3/4"	0.875"	2"	2"
1"	1.13"	3"	3"
1-1/4"	1.38"	3"	3"
1-1/2"	1.63"	3"	3"
2"	2.13"	4"	4"

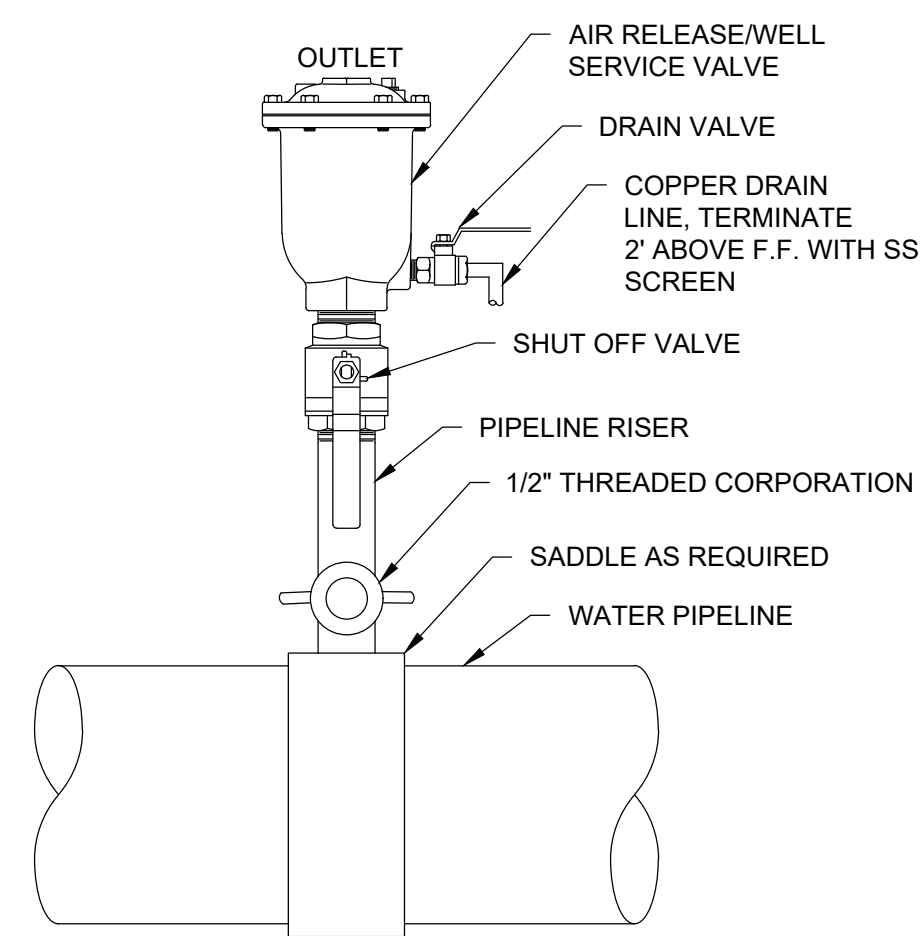
- NOTES:
1. SIZES SHOWN ARE FOR DUCTILE IRON PIPE AND COPPER TUBING, FOR OTHER MATERIALS AND PIPE SIZES CONSULT MANUFACTURER'S SPECIFICATIONS.
 2. SOME APPLICATIONS MAY REQUIRE STANDARD WALL CASTINGS.
 3. PROVIDE NON-SHRINK GROUT ON BOTH SIDES OF LINK-SEAL TYPE WALL PENETRATION.
 4. LINK SEAL COMPONENTS SHALL BE STAINLESS STEEL.
 5. GROUT SHALL MATCH INTERIOR AND EXTERIOR WALL COLOR. COORDINATE WITH ENGINEER/OWNER PRIOR TO WORK.

TYPICAL WALL PENETRATION
SCALE: N.T.S.

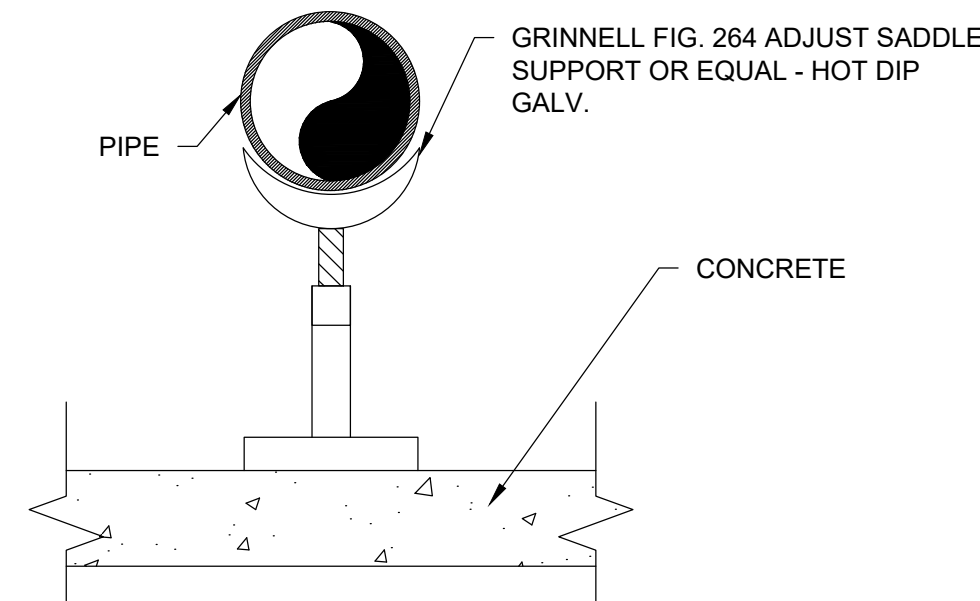


- NOTES:
1. LINK SEAL COMPONENTS SHALL BE STAINLESS STEEL.
 2. GROUT SHALL MATCH INTERIOR AND EXTERIOR WALL COLOR. COORDINATE WITH ENGINEER/OWNER PRIOR TO WORK.

PENETRATION THROUGH EXISTING CMU WALL
SCALE: N.T.S.

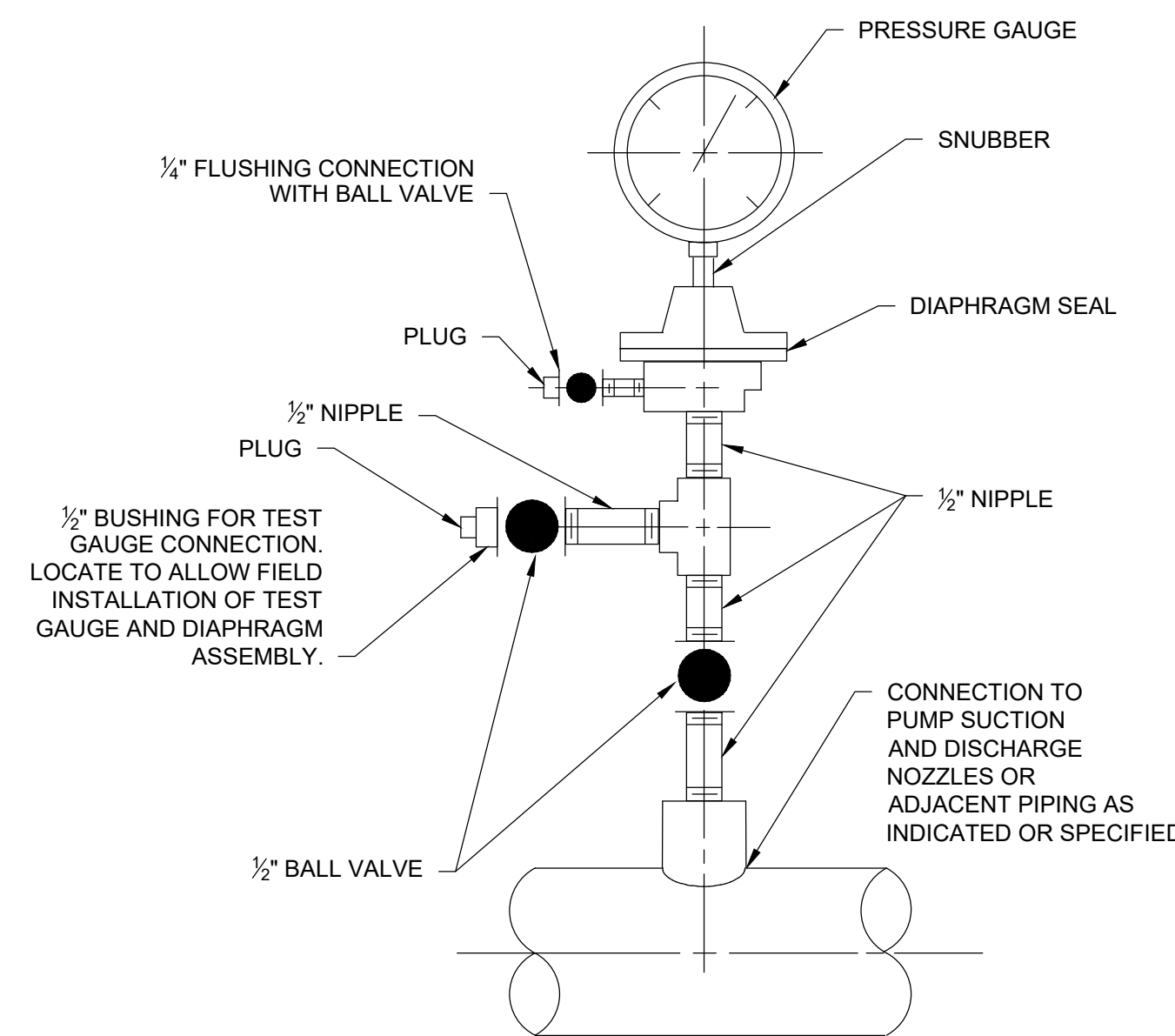


WELL SERVICE VALVE
SCALE: N.T.S.

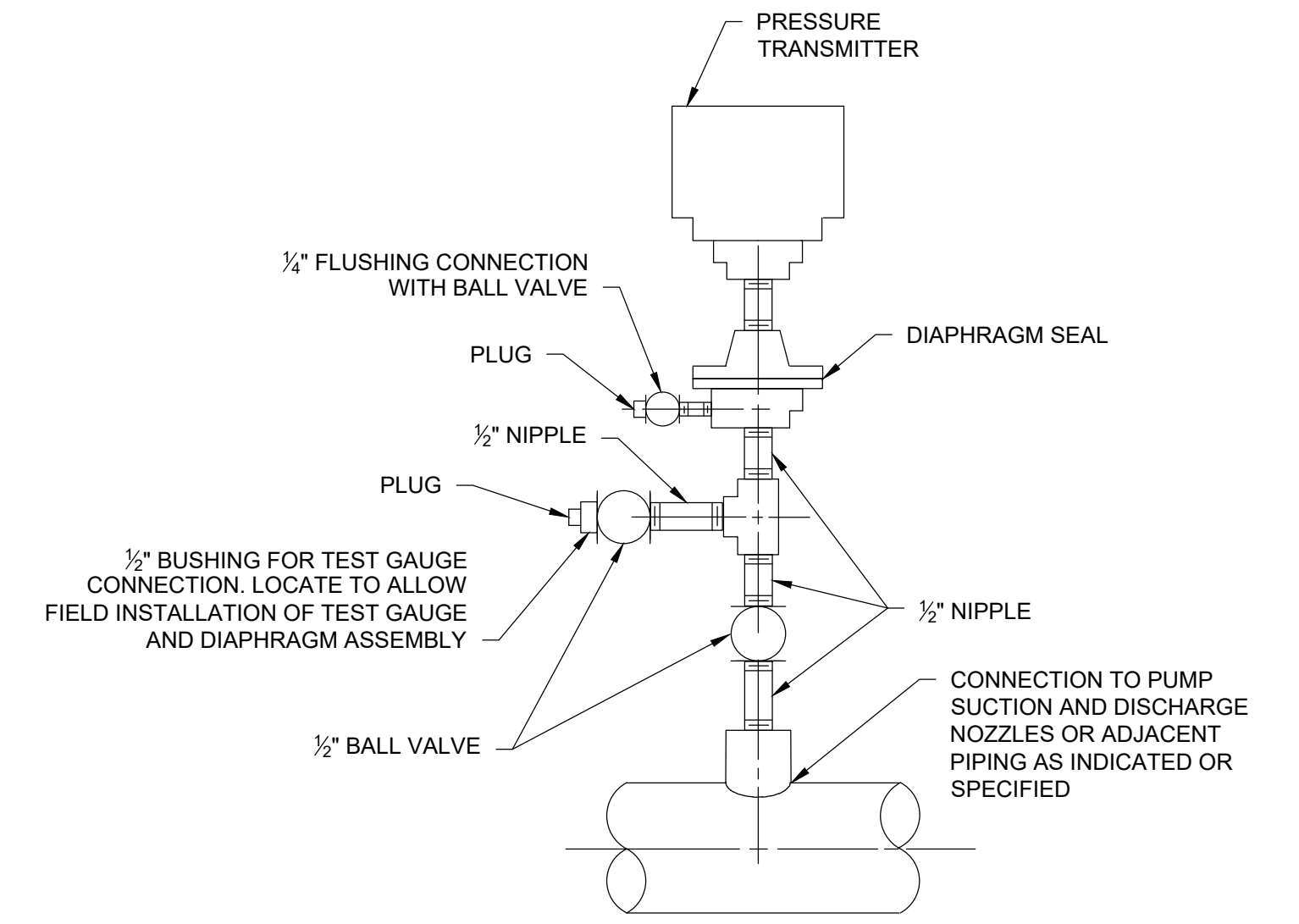


- NOTES:
1. FOR PIPE SIZES CONSULT MANUFACTURER'S SPECIFICATIONS. REFER TO SECTION 11200 FOR ADDITIONAL REQUIREMENTS.
 2. PIPE SUPPORT CALCULATIONS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 11200.
 3. ALL COMPONENTS OF PIPE SUPPORT SYSTEM (EXCEPT EXPANSION BOLTS) SHALL BE HOT-DIPPED GALVANIZED STEEL.

STANDARD PIPE SUPPORT
SCALE: N.T.S.

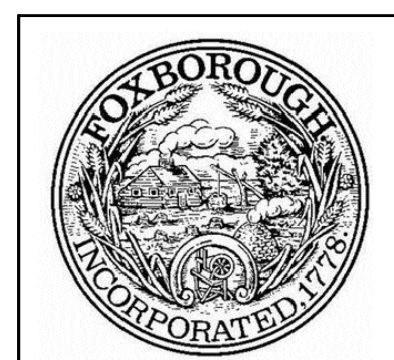


PRESSURE GAUGE MOUNTING DETAIL
SCALE: N.T.S.

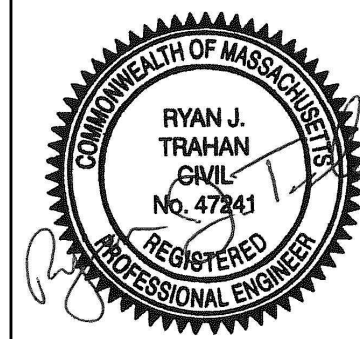


- NOTES:
1. THE MOUNTING DETAILS PROVIDED ARE GENERIC FOR PRESSURE MEASURING DEVICES OF VARIOUS MANUFACTURERS. THE INSTALLING CONTRACTOR MUST STRICTLY COMPLY WITH MANUFACTURER'S INSTRUCTION IN THE INSTALLATION OF THESE DEVICES. IF THERE ARE ANY ENGINEERING ISSUES THEY MUST BE REFERRED TO THE ENGINEER PRIOR TO INSTALLATION.

PRESSURE TRANSMITTER MOUNTING
SCALE: N.T.S.



ENVIRONMENTAL PARTNERS



MARK	DATE	DESCRIPTION

Scale	AS SHOWN
Date	JANUARY 2021
Job No.	325-1804
Designed by	AJL
Drawn by	AJL
Checked by	CPG
Approved by	RJT

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

WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS

PROCESS MECHANICAL DETAILS I

FOR PERMITTING
Sheet No.

M-4

Drawing file: I:\Foxborough\325\325-1804 Oak Street Replacement Wells\11 - Well 14R Implementation\Drawings\CAD\03 M-Sheets.dwg Plot Date: Jan 28, 2021 6:44pm

ISA INSTRUMENT IDENTIFICATION TABLE													
MEASURED OR INITIATING VARIABLE	FIRST LETTER MEAS. VARI.	SUCCEEDING LETTERS											
		SWITCH (HI, LO, OPEN, CLOSE)	PRIM. ELEM. (SENSOR)	INDICATOR	INDICATING CONTROLLER	CONTROL OR CONTR. (BLIND)	RECORDER	INTEGRATOR (TOTALIZER)	TRANSMITTER (INDUCTING)	TRANSMITTER	VALVE OR ACTUATOR	RELAY	SOURCE
ANALYSIS	A	ASL	AE	AI			AR		AIT	AT		AY	
BURNER, COMBUSTION	B		BE			BC						BY	
CONDUCTIVITY	C	CSH	CE	CI	CIC	CC	CR		CIT	CT		CY	
DENSITY	D	DSH	DE	DI	DIC	DC	DR		DIT	DT		DY	DX
VOLTAGE	E		EE	EI					EIT	ET		EY	
FLOW RATE	F	FSHL	FE	FI	FIC	FC	FR	FQ	FIT	FT	FV	FY	
USER'S CHOICE	G												
HAND	H	HS											
CURRENT (ELECTRICAL)	I	IS	IE	II	IIC	IC				IT		IY	
POWER	J	JSH	JE	JI	JIC	JC	JR	JQ				JY	
TIME, TIME SCHEDULE	K			KI	KIC	KC		KQ				KY	KS
LEVEL	L	LSH	LE	LI	LIC	LC	LR		LIT	LT	LV	LY	
HUMIDITY	M		ME	MI	MIC	MC	MR		MIT	MT		MY	
USER'S CHOICE	N												
USER'S CHOICE	O												
PRESSURE, VACUUM	P	PSH	PE	PI	PIC	PC	PR		PIT	PT	PV	PY	
QUANTITY	Q						QR						
RADIATION	R												
SPEED, FREQUENCY	S	SSL	SE	SI		SC			SIT	ST		SY	
TEMPERATURE	T	TSL	TE	TI	TIC	TC	TR		TIT	TT	TV	TY	
MULTIVARIABLE	U			UI			UR					UY	
MECHANICAL ANALYSIS	V												
WEIGHT, FORCE	W	WS	WE	WI	WIC		WR		WIT	WT			
VIBRATION	X		XE	XI								XY	
EVENT	Y	YS		YI			YR		YIT	YT		YY	
POSITION, DIMENSION	Z	ZSO	ZE	ZI			ZR		ZIT	ZT		ZY	

VALVES, COUPLING, & APPURTENANCES

	BURIED GATE VALVE		TEMPERATURE INDICATOR
	BALL VALVE		SAMPLE TAP
	BUTTERFLY VALVE		REDUCER/INCREASE
	BALL CHECK VALVE		FLEXIBLE HOSE
	SWING CHECK VALVE		FLOAT SWITCH
	SILENT CHECK VALVE		ULTRASONIC LEVEL SENSOR
	MAGNETIC FLOW METER		SUBMERSIBLE WELL PUMP
	COMBINATION AIR/VACUUM VALVE		
	PRESSURE GAUGE		
	PRESSURE INDICATING TRANSMITTER (LIQUID SERVICE)		

PIPING AND TUBING MATERIALS

CI	CAST IRON
CPVC	CHLORINATED POLYVINYL CHLORIDE PIPE
CS	CARBON STEEL
Cu	COPPER
DI	DUCTILE IRON
FRP	FIBERGLASS REINFORCED PLASTIC
GALV	GALVANIZED STEEL
HDPE	HIGH DENSITY POLYETHYLENE
HOSE	FLEXIBLE HOSE
PE	POLYETHYLENE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
SS	STAINLESS STEEL
STL	STEEL

LEGEND

	ROOM LINE
	CONTROL PANEL
	LOCATIONAL DIVIDE / BUILDING LINE
	FIELD/SIGNAL WIRING
	DATA / COMMUNICATION
	ELECTRICAL WIRING
	EXISTING
	FIELD MOUNTED INSTRUMENT TAG
	PANEL MOUNTED INSTRUMENT TAG (EQUIPMENT MANUFACTURERS PANEL)
	PANEL MOUNTED INSTRUMENT TAG (INSTRUMENTATION CONTRACTORS PANEL)
	SCADA SYSTEM SIGNAL TAG - A=ANALOG, D=DISCRETE I=INPUT, O=OUTPUT
	SCADA ALARM: L = LOW, H = HIGH NF = NO FLOW
	INTERLOCK
	HYDROPNEUMATIC ACTUATION
	PROCESS STREAM TO/FROM LOCATION REFER TO SHEET X

PROCESS AND INSTRUMENTATION

A/L/L	AUTO/LEAD/LAG	O/S/C	OPEN/STOP/CLOSE
DPIT	DIFFERENTIAL PRESSURE INDICATOR TRANSMITTER	O/S/C/A	OPEN/STOP/CLOSE/AUTOMATIC
EFF	EFFLUENT	PIC	PANEL INTERFACE CONNECTOR
F	FAULT	PLC	PROGRAMABLE LOGIC CONTROLER
FCP	FIELD CONTROL PANEL	POS	POSITION
FCV	FLOW CONTROL VALVE	RS	RUN STATUS
F/R	FORWARD/REVERSE	RSL	REMOTE/STOP/LOCAL
FS	FLOW SWITCH		SAMPLE PORT
H/A	HAND/AUTOMATIC	SA	SPEED ADJUST
H/O/A	HAND/OFF/AUTOMATIC	SP	SET POSITION
INF	INFLUENT	S/S	START/STOP
L/R	LOCAL/REMOTE	YL	EVENT ALARM LOW
L/R/O	LOCAL/REMOTE/OFF	YLL	EVENT ALARM LOW LOW
MCP	MAIN CONTROL PANEL	YH	EVENT ALARM HIGH
N/A	NORMAL/ALARM	YHH	EVENT ALARM HIGH HIGH
O/C	OPEN/CLOSE OR OPEN/CLOSED	YNF	EVENT NO FLOW
O/C/A	OPEN/CLOSE/AUTOMATIC	YM	EVENT IN MANUAL
O/O	ON/OFF	YS	EVENT STATUS
O/O/R	ON/OFF/RESET		

MAGNETIC FLOW METER SCHEDULE

P&ID TAG NUMBER	DESCRIPTION	LOCATION	TYPE	VOLTAGE			REMARKS
				VAC	Hz	pH	
MF-514	WELL NO. 14R MAGNETIC FLOW METER	WELL STATION NO. 14	FLOW INSTRUMENT	120	60	1	INSTRUMENT MOUNTED TRANSMITTER. FLOW RANGE SHALL BE 0-700 GPM

PRESSURE TRANSDUCER SCHEDULE

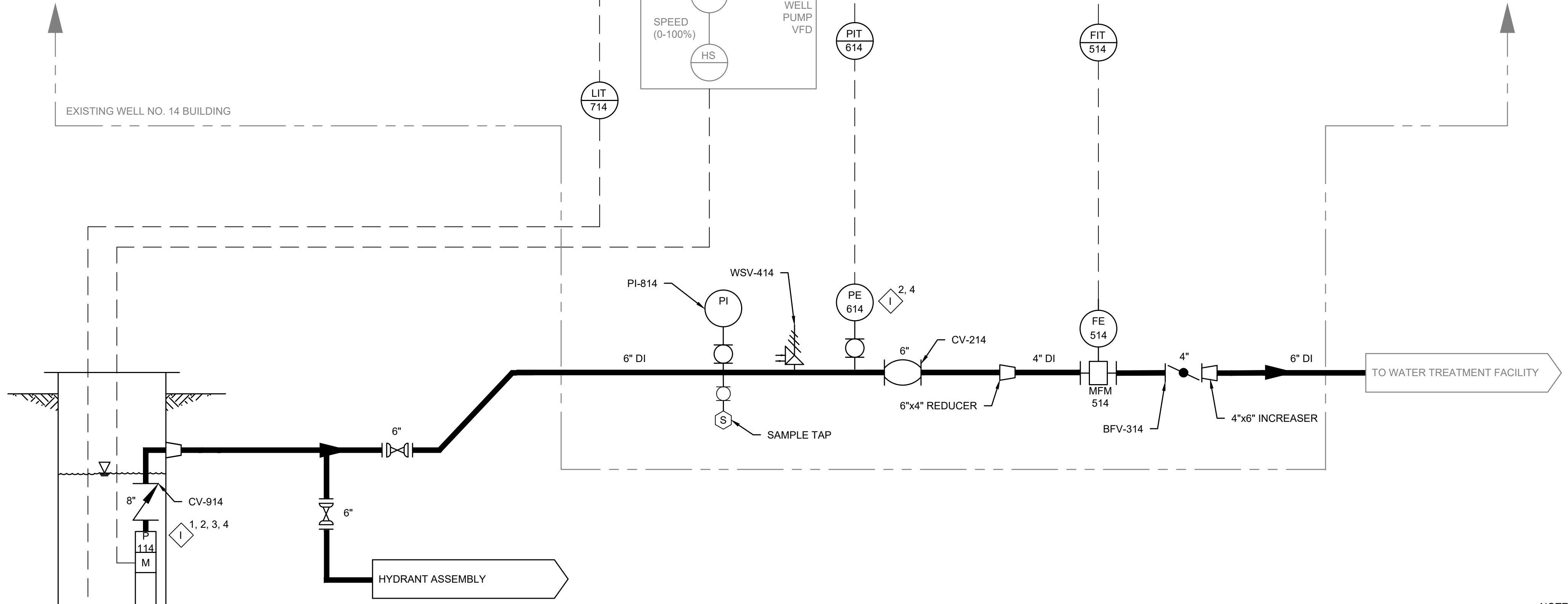
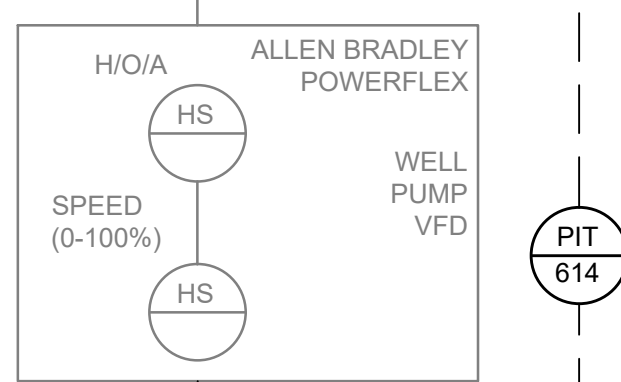
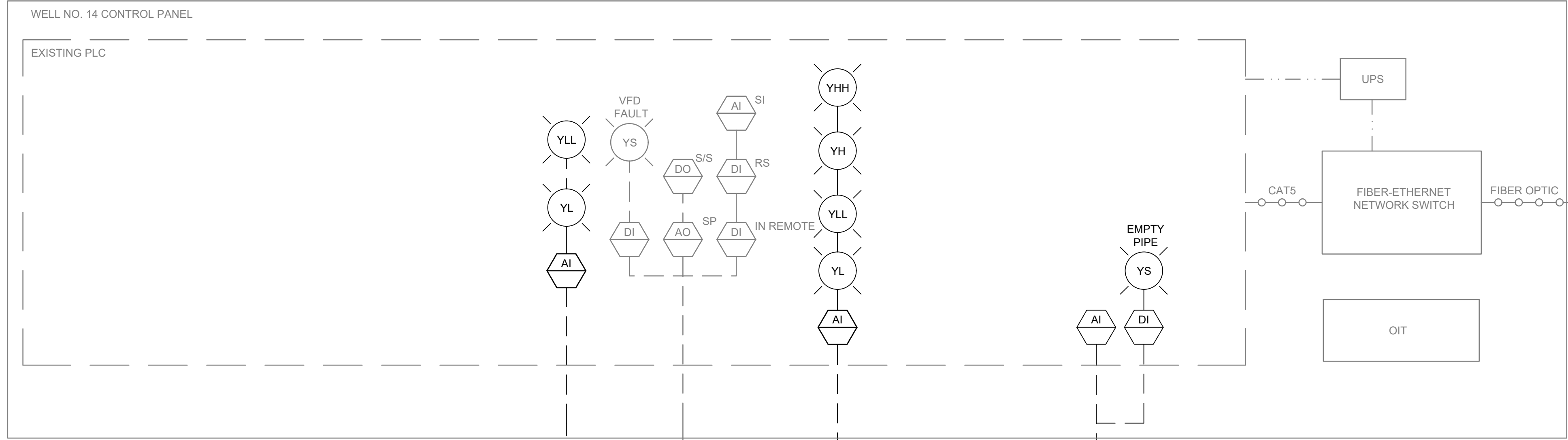
P&ID TAG NUMBER	DESCRIPTION	LOCATION	TYPE	VOLTAGE			REMARKS
				VAC	Hz	pH	
PIT-614	WELL NO. 14R PUMP PRESSURE INDICATING TRANSMITTER	WELL STATION NO. 14	PRESSURE INSTRUMENT	LOOP POWERED			WATERPROOF; INSTRUMENT MOUNTED TRANSMITTER

WELL LEVEL SCHEDULE

P&ID TAG NUMBER	DESCRIPTION	LOCATION	TYPE	VOLTAGE			REMARKS
				VAC	Hz	pH	
LE-714	WELL NO. 14R WELL LEVEL	REPLACEMENT WELL NO. 14R	LEVEL INSTRUMENT	LOOP POWERED			
LIT-714	WELL NO. 14R WELL LEVEL INDICATOR TRANSMITTER	WELL STATION NO. 14	INDICATOR/TRANSMITTER	120	60	1	PROVIDE IN NEMA 4X PANEL

			Scale	N.T.S.		WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION TOWN OF FOXBOROUGH, MASSACHUSETTS	FOR PERMITTING
			MARK	DATE			DESCRIPTION
							1-1
			Scale	N.T.S.		WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION TOWN OF FOXBOROUGH, MASSACHUSETTS	FOR PERMITTING
			Date	JANUARY 2021			Sheet No.
			Job No.	325-1804			1-1
			Designed by	AJL			
			Drawn by	AJL			
			Checked by	CPG			
			Approved by	RJT			

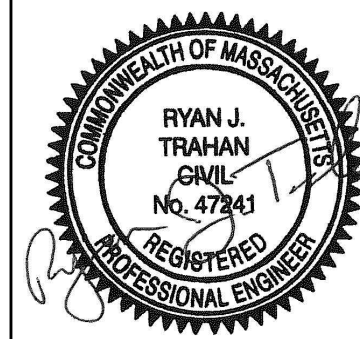
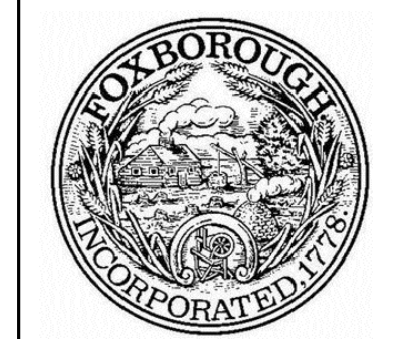
Drawing file: I:\Foxborough\325\325-1804 Oak Street Replacement Wells\11 - Well 14R Implementation\Drawings\CAD\05 - Sheets.dwg Plot Date: Jan 26, 2021 4:46pm



INTERLOCK SCHEDULE

#	DEVICE	INTERLOCK WITH
1	LO-LO WELL LEVEL (LE-714)	STOP WELL PUMP NO. 14R (P-114)
2	HI-HI PUMP DISCHARGE PRESSURE (PIT-614)	STOP WELL PUMP NO. 14R (P-114)
3	HI-HI CLEARWELL LEVEL (AT WTF)	STOP WELL PUMP NO. 14R (P-114)
4	LO-LO PUMP PRESSURE (PIT-614)	STOP WELL PUMP NO. 14R (P-114)

- NOTES:**
- PUMP OPERATION: PUMP SPEED SET POINT IS OPERATOR SELECTABLE FROM SCADA COMPUTERS (WTF & OFFICE BUILDING).
 - ALL CABLES, WIRES, AND ANCILLARY DEVICES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 - REFER TO M-2 FOR EXISTING CONTROL PANEL LOCATIONS.
 - PLC AND SCADA PROGRAMMING PROVIDED BY APPLICATION ENGINEER.
 - REFER TO M-SHEETS FOR ADDITIONAL INFORMATION.



MARK	DATE	DESCRIPTION

Scale	N.T.S.
Date	JANUARY 2021
Job No.	325-1804
Designed by	AJL
Drawn by	AJL
Checked by	CPG
Approved by	RJT

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

WITCH POND REPLACEMENT WELL NO. 14R IMPLEMENTATION
TOWN OF FOXBOROUGH, MASSACHUSETTS
WELL NO. 14R
PROCESS INSTRUMENTATION AND CONTROL PID

FOR PERMITTING
 Sheet No.
1-2

ATTACHMENT F

Wetland Delineation Report



January 6, 2021

ENVIRONMENTAL PARTNERS GROUP
1900 Crown Colony Drive, Suite 402
Quincy, Massachusetts 02169
Attention: Alysa Longo, Project Manager

RE: Wetland Delineation for Well #14 Improvement Project
Cedar Street, Foxboro, Massachusetts

Dear Alysa:

On December 5, 2020, at your request, I identified/delineated the 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 Foxboro Wetlands Protection By-law (By-law); in the vicinity of the above-referenced water supply well (Well #14 (Well)) located within the Witch Pond Water supply facility off Cedar Street in Foxboro. The purpose of the delineation was to identify the wetland resource areas within 100 feet (the jurisdictional 100-foot buffer zone) of the work to be conducted as part of the proposed Well #14 Improvement Project proposed by the Foxboro Department of Public Works (Project). The following provides a description of my findings.

One resource area; bordering vegetated wetland (BVW); as defined under Section 10.55 of the Regulations and under the By-law; was identified/delineated in the vicinity of the Well. The BVW; which was delineated in the field with pink flags labeled WFA- thru WFA-15 and WFB-1 thru WFB-12; is shown on the MassGis map as a wetland system associated with Witch Pond located on/off the site. The BVW, which surrounds the Well, is fairly well-defined by the slope and/or the presence of wetland, transitional and upland plant species such as: red maple (*Acer rubrum*), spruce (*Picea*, spp.), white oak (*Quercus alba*), white pine (*Pinus strobus*) and grey birch (*Betula populifolia*) in the overstory; highbush blueberry (*Vaccinium corymbosum*), winterberry (*Ilex verticillata*), huckleberry *Gaylussacia baccata*, sweet pepperbush (*Clethra alnifolia*), common buckthorn (*Rhamnus frangula*), arrow-wood (*Viburnum dentatum*), grape (*Vitis*, spp.), bittersweet (*Celastrus orbiculata*) and green brier (*Smilax glauca*) in the shrub/vine layer; and cinnamon fern (*Osmunda cinnamomea*), clubmoss (*Lycopodium*, spp.), sedges (*Carex*, spp.), hayscented fern (*Dennstaedtia punctilobula*), poison ivy (*Toxicodendron radicans*), dewberry (*Rubus hispida*), teaberry (*Gaultheria procumbens*) and sphagnum moss (*Sphagnum*, spp.) in the herbaceous layer. Other hydrological indicators; such as

standing water, buttressed roots and saturated/hydric soils; were also evident within the BVW (see attached sketch of the wetland flags). It is my understanding that the wetland flags identifying the delineated resource areas within the limits of the work proposed for the Project are to be surveyed and put onto a plan to be submitted with a Notice of Intent (NOI) detailing the proposed Project activities.

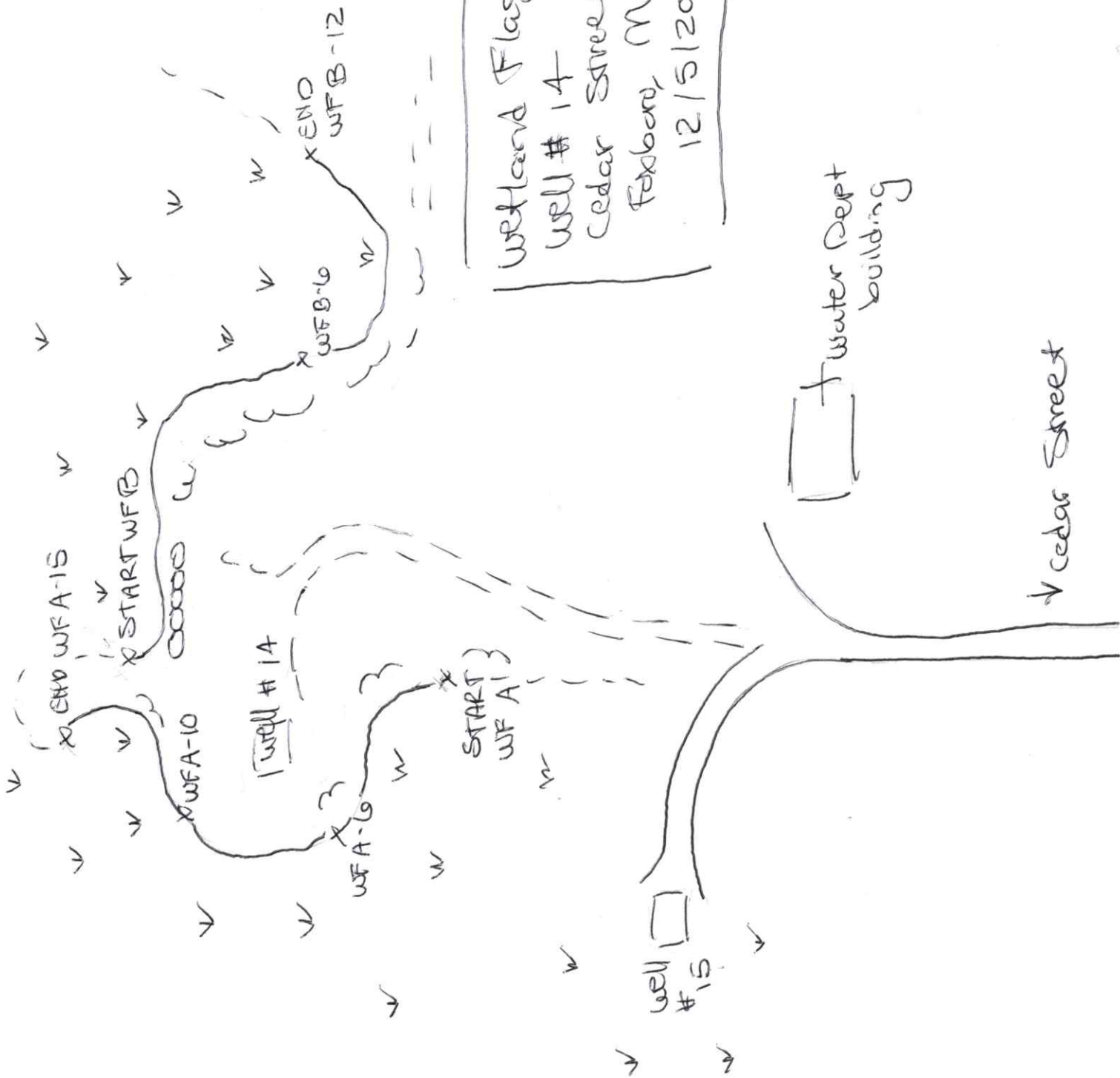
According to the most recent Massachusetts Natural Heritage Atlas (14th Edition) (NHESP) dated August 1, 2017, the proposed Project is not mapped within estimated and/or priority habitat for rare wildlife/species and there are no vernal pools in the vicinity of the Well. Witch Pond is; however; mapped as priority and estimated habitat.

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



Wetland Flags
 Well # 14
 Cedar Street
 Foxboro, MA
 12/5/2020

ATTACHMENT G

Affidavit of Service, Certified Abutters List, and Abutters Notification
Form

AFFIDAVIT OF SERVICE

I, Alysa Longo, PE, hereby certify under the pains and penalties of perjury that, on February 16, 2021, I gave Notification to Abutters in compliance with the second paragraph of the Massachusetts General Laws, Chapter 131, Section 40 and the DEP Guide to Abutter Notification in connection with the following matter:

A Notice of Intent application was filed under the Massachusetts Wetlands Protection Act and the Foxborough Wetlands Protection Bylaw, Chapter 267 (*formerly Article IX*) with the Foxborough Conservation Commission by the Town of Foxborough, Department of Public Works on February 15, 2021 for the project located at 80 Cedar Street, Foxborough, Massachusetts.

The form of notification and the list of abutters to whom it was given and their addresses are attached to this Affidavit of Service.

Alysa Longo
Signature

2/16/2021
Date

NOTIFICATION TO ABUTTERS

Under the Massachusetts Wetlands Protection Act & Chapter 267, Wetland Protection Code of Foxborough

*(This form must be completed and mailed, certified mail return receipt requested,
to all abutters within 100 feet of the proposed project's activity.)*

In accordance with the second paragraph of Massachusetts Wetlands Protection Act (G.L. Ch. 131, §40), and §10.05 of 310 CMR 10.00, and Chapter 267, the Wetland Protection Code of Foxborough (*formerly Article IX*) and regulations, you are hereby notified of a public hearing on the matter described below:

- A. The applicant has filed a Notice of Intent with the Foxborough Conservation Commission for proposed work within areas subject to protection under the Wetlands Protection Act and the Wetland Protection Code of Foxborough.
- B. The name of the applicant is Town of Foxborough, Department of Public Works
- C. The address of the land where the activity is proposed is 80 Cedar Street Foxborough.
- D. Copies of the Notice of Intent may be examined at the Conservation Commission's office, 40 South Street, Foxborough Town Hall, between 9 am and 4 pm, Monday through Thursday.
- E. Copies of the Notice of Intent may be obtained from either (*check one*) the applicant or the applicant's representative Environmental Partners by calling 617-657-0200 from 8:00 am – 5:00 pm on Monday through Friday.
- F. Information regarding the date, time and place of the public hearing may be obtained from either (*check one*) the applicant or the applicant's representative Environmental Partners by calling 617-657-0200 from 8:00 am – 5:00 pm on Monday through Friday.

Please Note: Notice of the public hearing, including date, time and place, will be published at least five business days in advance in The Foxboro Reporter and will be posted in the Town Hall and on the Town's website at least 48 hours in advance.

Conservation Commission meeting agendas may be viewed online at:
http://www.foxboroughma.gov/Pages/FoxboroughMA_ConsAgendas/

For additional information about this application or the Wetland Protection Code of Foxborough, please contact the Foxborough Conservation Commission at 508-543-1251 or visit: www.foxboroughma.gov/conservation

For more information about this application or the Wetlands Protection Act, please contact the Department of Environmental Protection (DEP) Southeast Regional Office (Lakeville) at 508-946-2836.

RECEIVED
BOARD OF ASSESSORS

DEC 15 2020



BOARD OF ASSESSORS TOWN OF FOXBOROUGH
TOWN OF FOXBOROUGH
40 SOUTH STREET
FOXBOROUGH MASSACHUSETTS 02035

(508) 543-1215

Fax: (508) 543-6278

CERTIFICATION OF ABUTTERS

PROPERTY OWNER: Town of Foxborough

MAILING ADDRESS: 70 Elm Street, Foxborough, MA 02035

PROPERTY LOCATION: 80 Cedar Street, Foxborough, MA

ASSESSORS MAP/PARCEL: Map 182 Parcel 29

APPLICANT: Christopher Gallagher, PE PHONE: 508-543-1228
(Department of Public Works)

AUTHORITY REQUESTING LIST: Town of Foxborough and Environmental Partners for Notice of Intent Application

DATE SUBMITTED: December 11, 2020

LIST REQUESTED: 500 FT DIRECT ABUTTER
300 FT ABUTTER TO ABUTTER
100 FT

I, Kevin J. [Signature] Assistant Assessor, acting as a custodian of assessment records, do hereby certify that the attached documents contain true and complete information from the most recent tax list of the Town of Foxborough, Massachusetts.

I further state that these documents include the names and addresses of

Direct Abutter Map 182 - Parcel 029

Date: 12/15/20

BOARD OF ASSESSORS
FOXBOROUGH MASSACHUSETTS

Massachusetts General Law c. 40A, s.11, "The assessors maintaining any applicable tax list shall certify to the permit granting authority or special permit granting authority the names and addresses of parties in interest and such certification shall be conclusive for all purposes."

The Assessors Office will complete the abutters list within 7-10 business days. There is a \$25.00 fee for an abutters list.

"The applicant is solely responsible for requesting the appropriate abutters list required by the applicable Mass General Law."

Fee Waived

Abutting Properties for
80 CEDAR STREET
FOXBOROUGH, MA
182/029
(100 feet)
12/15/2020

Location:
888/066
CEDAR STREET
Owner:
SUNRISE ACRES LLC
C/O CANNATA IRIS H
PO BOX 317
FOXBORO, MA 02035

Location:
182/025
9 WILKESON WAY
Owner:
SOUAIDEN GEORGE L &
BEVERLY A TE
9 WILKESON WAY
FOXBOROUGH, MA 02035-

Location:
179/015
1 WILKESON WAY
Owner:
STATHER JOHN N &
CONSTANCE A TE
1 WILKESON WAY
FOXBOROUGH, MA 02035-

Location:
182/024
11 WILKESON WAY
Owner:
WHALEN EDWARD F JR &
JOANNE M TE
11 WILKESON WAY
FOXBOROUGH, MA 02035

Location:
182/028
3 WILKESON WAY
Owner:
PESANELLO, LISA R & LEE M
GUSTAFSON TE
3 WILKESON WAY
FOXBOROUGH, MA 02035

Location:
182/023
13 WILKESON WAY
Owner:
FRIEDLANDER
TIMOTHY & PETER
13 WILKESON WAY
FOXBOROUGH, MA 02035-

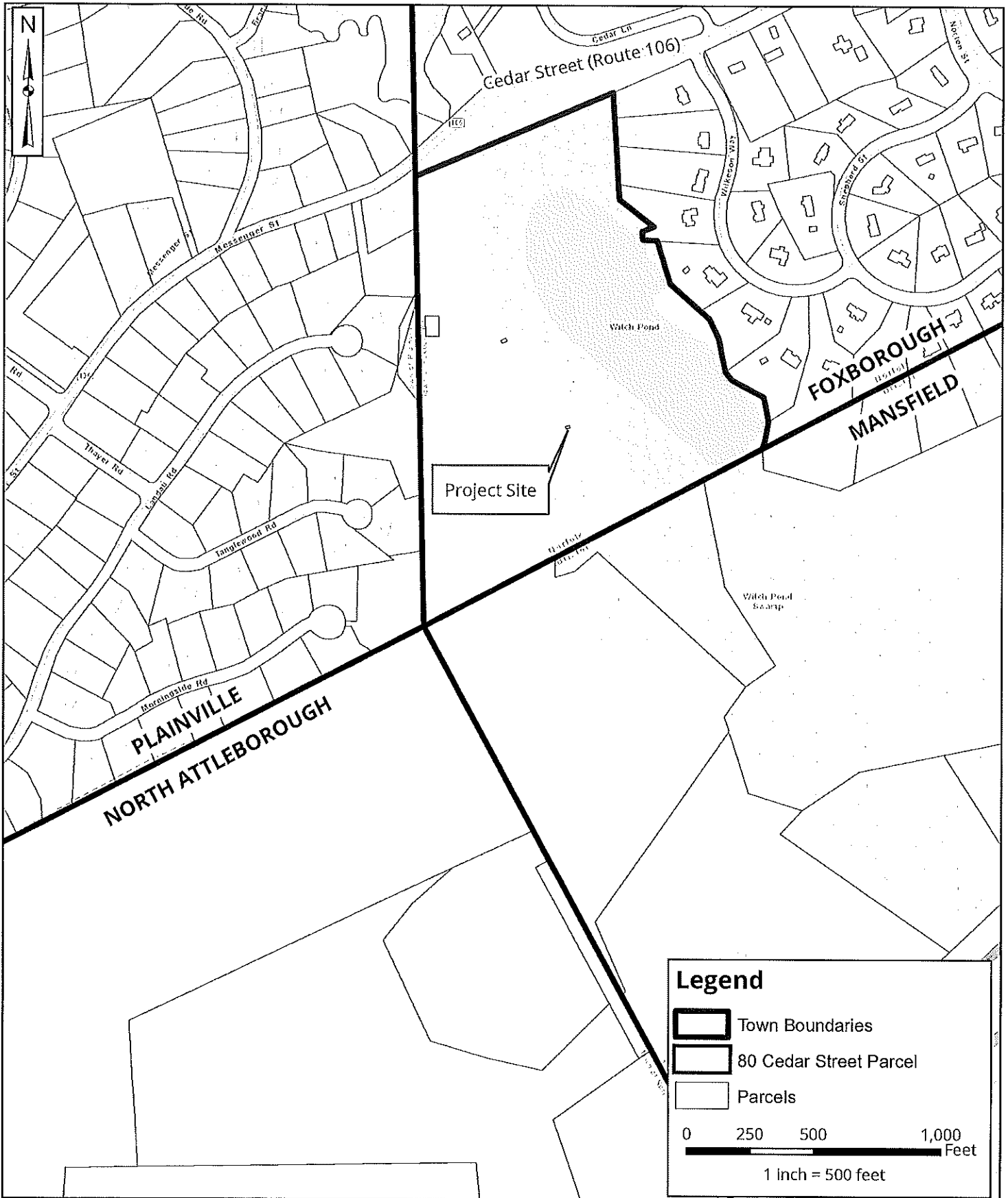
Location:
182/027
5 WILKESON WAY
Owner:
RUMSEY ROGER C &
CYNTHIA J TE
5 WILKESON WAY
FOXBOROUGH, MA 02035

Location:
182/022
15 WILKESON WAY
Owner:
DICE DAVID & PAULA J
BISHOP JT
15 WILKESON WAY
FOXBOROUGH, MA 02035

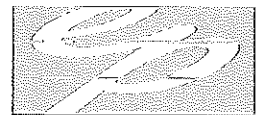
Location:
182/026
7 WILKESON WAY
Owner:
POLLART CHRISTOPHER
JON
JENNIFER MARGARET TE
7 WILKESON WAY
FOXBOROUGH, MA 02035-

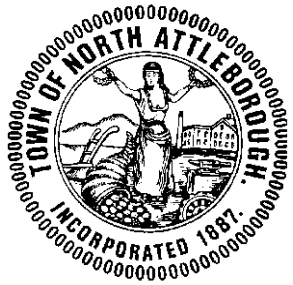
PLEASE NOTE:

MAP 888 PARCEL 066 IS
LOCATED IN OUR CAMA
SYSTEM BUT IS NOT
LOCATED ON OUR
ASSESSORS MAPS



Abutter's Request
80 Cedar Street, Foxborough, MA
Map 182, Parcel 29





**TOWN OF NORTH ATTLEBOROUGH
BOARD OF ASSESSORS**

43 South Washington Street
North Attleborough, Ma 02760
Phone: (508)-699-0117 Fax: (508)-643-3372

John V. Bellissimo, *Chairman*
Paul B. Pinonnault
Thomas E. Welch

Sheila Scaduto
Assistant Assessor, MAA, CRA

CERTIFIED ABUTTERS LIST

Date: 12/19/2020

Location: 80 CEDAR ST, FOXBORO

Map/Lot: 182/29/

Owner of Record (as of Jan. 1, 2020) TOWN OF FOXBORO WATER
DEPT.

Mailing Address: 80 CEDAR ST
FOXBORO, MA 2035

Board Prepared For: CONSERVATION

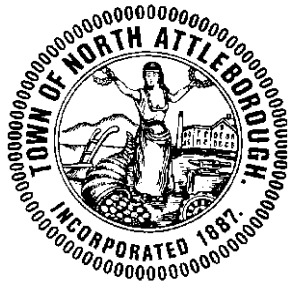
Applicant: TOWN OF
FOXBORO/ENVIROMENTAL

Phone: 617-657-0957

E-Mail: AJL@ENVPARTNERS.COM

In accordance with Section 11, Chapter 40A, as amended, we hereby certify that based on the records of this office and to the best of our knowledge and belief, the attached list are the names and addresses of the abutters to the above referenced property.

NORTH ATTLEBOROUGH BOARD OF ASSESSORS



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BOARD OF ASSESSORS**

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North Attleborough, Ma 02760
Phone: (508)-699-0117 Fax: (508)-643-3372

ABUTTERS LISTING
CONSERVATION
12/19/2020

SUBJECT PARCEL: 182/29/

SUBJECT LOCATION: 80 CEDAR ST, FOXBORO

TOWN OF FOXBORO WATER DEPT.
80 CEDAR ST
FOXBORO, MA 2035

Parcel(s)
37/63/

Owner & Mailing Address
INHABITANTS OF TOWN OF N ATTLEBORO
43 S WASHINGTON ST
N ATTLEBORO, MA 02760

Property Location
PLAIN ST

PLAINVILLE



M
A
N
S
F
I
E
L
D

TOWN OF FOXBORO WATER DEPT.
80 CEDAR ST
FOXBORO, MA 2035

INHABITANTS OF TOWN OF N ATTLEBORO
43 S WASHINGTON ST
N ATTLEBORO, MA 02760

TOWN OF FOXBORO WATER DEPT.
80 CEDAR ST
FOXBORO, MA 2035

INHABITANTS OF TOWN OF N ATTLEBORO
43 S WASHINGTON ST
N ATTLEBORO, MA 02760

**ABBUTTERS LISTING TOWN OF FOXBOROUGH WATER DEPT.
PLAINVILLE, MA**

Unit	Owner's Name	Co_Owner's Name	Address	City	ST Zip	Parcel Location
	BENNETT LINDA A & DOUGLAS F		12 TANGLEWOOD RD	PLAINVILLE	MA 02762	12 TANGLEWOOD RD
	SCULLY BRIAN J & LECLERC BARBARA J		13 TANGLEWOOD RD	PLAINVILLE	MA 02762	13 TANGLEWOOD RD
	PLAINVILLE TOWN OF		P O BOX 1717	PLAINVILLE	MA 02762	REAR LANDAU RD
	PLAINVILLE TOWN OF		P O BOX 1717	PLAINVILLE	MA 02762	MORNINGSIDE RD
	FOXBORO TOWN OF		40 SOUTH STREET	FOXBORO	MA 02035	REAR MESSENGER ST

WE HEREBY CERTIFY THAT THIS IS A
TRUE COPY OF THE ABUTTERS LIST FOR
ASSESSORS MAP Foxborough LOT Reg West
DATE 12.24.2020


PLAINVILLE BOARD OF ASSESSORS

ABUTTERS CERTIFICATION FORM

THIS FORM IS TO BE ATTACHED TO ANY APPLICATION FILED WITH THE TOWN OF MANSFIELD ZONING BOARD OF APPEALS (ZBA), CONSERVATION COMMISSION, BOARD OF HEALTH, PLANNING BOARD AND THE BOARD OF SELECTMEN.

THE ASSESSORS OFFICE MAY TAKE 10 DAYS TO REVIEW AND CERTIFY THIS APPLICATION FORM, SO PLEASE PLAN AHEAD.

THE MANSFIELD ZONING BOARD OF APPEALS REQUIRES 300 FEET.

THE MANSFIELD PLANNING BOARD REQUIRES 300 FEET.

THE MANSFIELD CONSERVATION COMMISSION REQUIRES 100 FEET.

THE MANSFIELD PLANNING BOARD REQUIRES 300 FEET.

PLEASE CHECK WITH ANY OTHER DEPARTMENT ON THE REQUIREMENTS FOR YOUR APPLICATION.

RECEIVED
BOARD OF ASSESSORS
2021 JAN 11 PM 1:31
MANSFIELD MASSACHUSETTS
[Signature]

NAME/ADDRESS/MAP & PARCEL NUMBER OF THE OWNER OF THE PROPERTY WHICH IS THE SUBJECT OF THE APPLICATION:

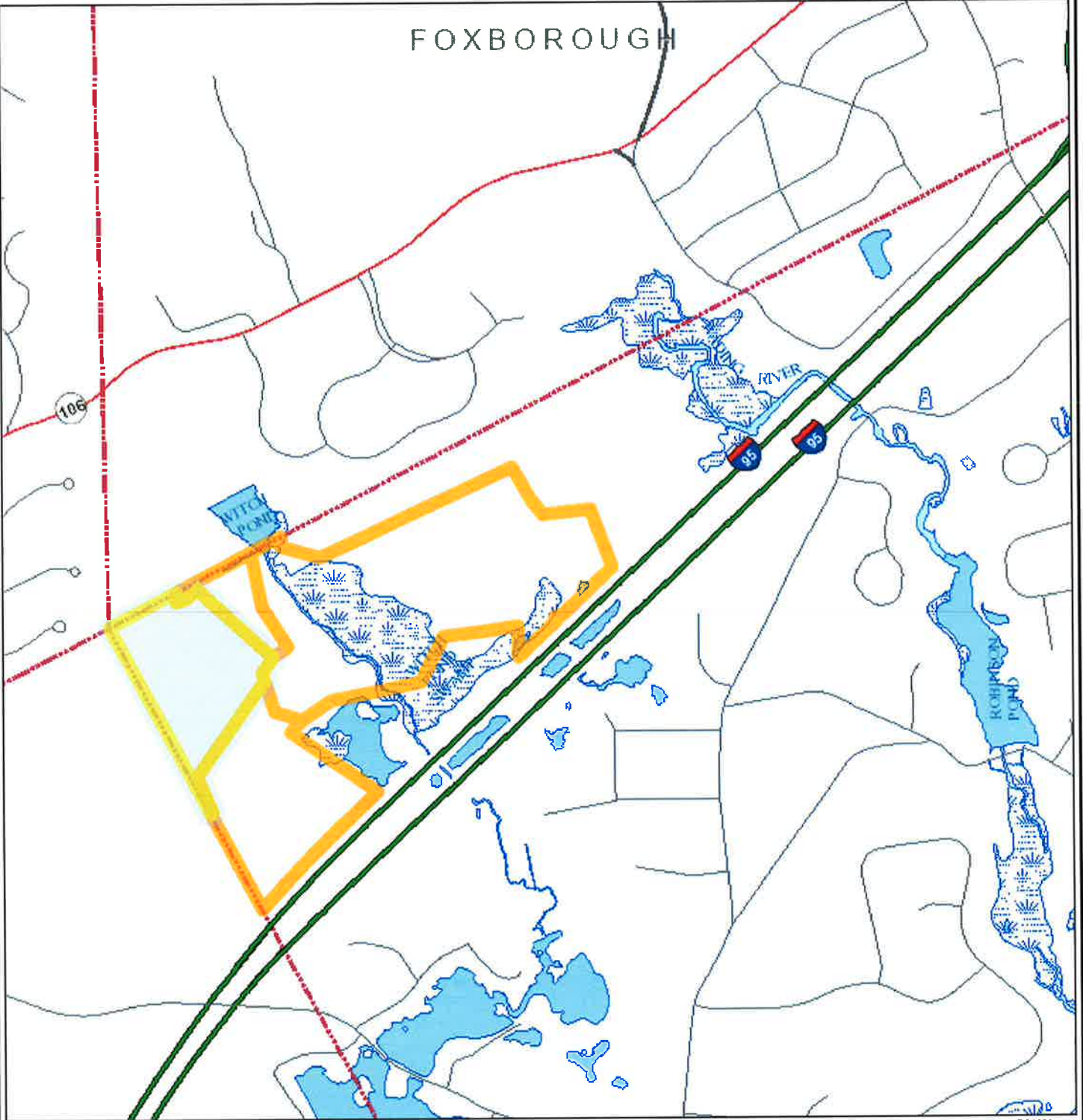
SUBJECT PROPERTY OWNER(S): Town of Foxborough
SUBJECT PROPERTY ADDRESS: 80 Cedar Street, Foxborough
SUBJECT PROPERTY MAP: 1, PARCEL(S) 41

NAME OF APPLICANT Alysa Longo PHONE NO. _____

REASON: Conservation

80 Cedar St Foxboro

FOXBOROUGH



Closest abutting property
 in Mansfield
 Map 1 Parcel 41
 100 feet - Conservation



1" = 1505 ft



Horizontal Datum: MA Stateplane Coordinate System, Spheroid GRS1980, Datum NAD83, Units Feet.

Planimetric and topographic basemap features compiled at 1"=40' and 1"=100' scale from April, 2001 Aerial Photography. Building and Roadway Pavement features updated from April, 2013 Aerial Photography.

Aerial Photography: April, 2018.

Parcels compiled through a "best-fit" methodology to match the basemap; revisions are ongoing.

The information depicted on this map is for planning purposes only. It may not be adequate for legal boundary definition, regulatory interpretation, or property conveyance purposes.

Data and information is provided by the GIS system, with the understanding that it is not guaranteed to be correct or complete. All data is subject to change and periodic updates. The Town of Mansfield makes no claims, representations or warranties, express or implied, concerning the validity, reliability or the accuracy of the GIS data and GIS data products furnished by the Town, specifically including the implied or expressed validity of any uses of such data.

80 Cedar St Forboro

Map-Lot	Owner	Co-Owner	Owner Address	Owner City	Property Location
1-163	TOWN OF MANSFIELD		6 PARK ROW	MANSFIELD, MA 02048	BROWN AVE REAR
1-26	TOWN OF MANSFIELD	WATER DEPT	(311 PLAIN ST NO ATTLE)	MANSFIELD, MA 02048	311 PLAIN ST
1-42	TOWN OF MANSFIELD		6 PARK ROW	MANSFIELD, MA 02048	SOUTH ST REAR
1-41	TOWN OF MANSFIELD		6 PARK ROW	MANSFIELD, MA 02048	SOUTH ST REAR

Closest abutting property
in Mansfield
Map 1, Parcel 41
100 feet - Conservation



ENVIRONMENTAL
 **PARTNERS**

1900 Crown Colony Drive, Suite 402
Quincy, MA 02169
P: 617.657.0200 F: 617.657.0201

envpartners.com