



**Notice of Intent
Application
For:**

**Upper Union Solar Project
0 Upper Union Street
Franklin, Massachusetts 02038**

Applicant:
VS Union Solar Smart, LLC
24941 Dana Point Harbor
Dana Point, CA 92629

Prepared by:
Atlantic Design Engineers, Inc.
P.O. Box 1051
Sandwich, Massachusetts 02563

July 6, 2023
Atlantic Project No. 3328.00



*Notice of Intent Application
Upper Union Street Solar Project
Franklin, MA 02038
July 6, 2023*

I. SITE DESCRIPTION

The proposed project locus is a ± 6.2 -acre lot addressed as 0 Upper Union Street in Franklin, Massachusetts ("Site"). The site off of Upper Union Street is currently vacant, mostly wooded with disturbed areas, paths and gravel roads in the vicinity of an existing New England Power easement. The areas in which the arrays are proposed are currently undeveloped, wooded, privately owned land which abuts woodlands to the north, residential properties to the south and east, and commercial/industrial properties to the west.

The site lies within the Industrial Zoning District and does not fall within any DEP mapped surface or groundwater protection areas, or Town designated Water Resource District. The site is not located within a FEMA Flood Zone or an Estimated Habitat of Rare Wildlife or Priority Habitat of Rare Species, as mapped by the Natural Heritage and Endangered Species Program (NHESP). The site is not located within any Area of Critical Environmental Concern (ACEC).

The property has two (2) wetland systems on the site, which are located along the eastern and western property lines of the site. The wetland resource areas on the site were delineated by Goddard Consulting, LLC in April of 2023, and subsequently surveyed by Atlantic Design Engineers, Inc.

The topography around the proposed development is undulating, with a slight slope rising in a north-northeasterly direction. Slopes throughout the northern portion of the property (proposed solar development area) are directed to the northeast.

II. PROPOSED DEVELOPMENT

The proposed ± 2.3 -acre solar development project is comprised of perimeter fencing, photovoltaic solar panels, racking systems, inverters, transformers with associated concrete pads, above and below ground utilities, stormwater facilities, and a gravel road to access to all electrical equipment pads. Presently the area selected for the ground-mounted solar array is vacant and primarily wooded.

Work proposed within the 100' buffer zone to the BVWs consists of $\pm 31,676$ SF of impacts to the 0-100' buffer zone. This includes approximately 308 SF of impacts to the 0-25' No Touch Buffer Zone, which will consist of minor grading and a small portion for the proposed 20' wide gravel access road.

In Atlantic's opinion, work within the 0-25' No Touch Buffer Zone is unavoidable due to the Fire Department's requirement of a 20' wide access road and the fact that the road is located between two on-site wetlands and there is only a $\pm 17'$ gap between the 0-25' buffer zones to each wetland. In addition, this area of the buffer zone is already partially cleared, being within the electric easement. Accordingly, the applicant will be requesting a Variance per Section 5 of the Town of Franklin Conservation Commission Regulations. Atlantic has provided the following alternative options for impacts to the 0-25' buffer:



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o *Alternative #1: No Action*

A “No Action” approach would result in no change to the existing site conditions. The solar arrays would not be installed, and the landowner would not provide clean, renewable energy to the local electric grid.

o *Alternative #2: Shorten the Access Road Width*

Atlantic could reduce the impacts to the 0-25’ buffer by reducing the proposed 20’ wide access road to a width of approximately 10’. Please note that reducing the access road width will result in increased difficulties for larger constraint vehicles and emergency response vehicles to reach the solar facility site and would not meet the Fire Department requirements.

In Atlantic’s opinion, the project as proposed provides the most viable option to provide clean renewable energy to the grid while still providing adequate access to the proposed project area in case of an emergency. In addition, Atlantic will be providing mitigation in the form of ±616 SF of buffer zone replication. Atlantic has provided a Buffer Zone Mitigation Plan completed by Goddard Consulting LLC as an attachment to this application.

Work within the 25-50’ buffer area is proposed to include minor grading, areas of gravel access road, an underground electric line, tree clearing, and chain-link fence.

Work within the 50-100’ buffer area is proposed to include minor grading, small portions of solar panels, a concrete equipment pad (20 x 32’), a stone infiltration trench (50 x 2 x 1’), chain-link fence, gravel access drive, minor grading, erosion control measures and several areas designed for stormwater management.

The site will be graded in such a way that stormwater runoff from the proposed development area will be directed to a series of stormwater Best Management Practices (BMPs), including swales and detention basins which will prevent direct discharge of untreated stormwater to the wetland’s areas on the Site. The proposed stormwater management system has also been designed to attenuate any increase in peak flows resulting from development of the Site.

Wildlife passage through the site and solar fields will be enhanced by providing a 6-inch gap at the bottom of the security fence surrounding the arrays. There are no Vernal Pools mapped by MassGIS on Site. Additionally, Atlantic has provided an Evaluation for Vernal Pool Characteristics completed by Goddard Consulting dated June 22, 2023.

A complete Stormwater Report documenting compliance with the DEP Stormwater Management Standards, as well as the Town of Franklin Stormwater Management Bylaw, has been provided along with appropriate design details on the Site Plans. Erosion control measures (sediment logs or approved equal) will be in place and maintained at the proposed limit of work throughout construction, until vegetation has stabilized, to protect the on-site BVW’s.



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ATTACHMENTS

1. Application Forms
 - WPA Form 3 – Notice of Intent
 - Notice of Intent Wetland Fee Transmittal Form
 - Town of Franklin Local Filing Fee Calculation Worksheet
 - Town of Franklin Resource Area Impact Summary Form
 - Copy of Checks
2. NOI Submittal Plan Set – *Under Separate Cover*
3. Wetland Border Report – Goddard Consulting dated April 21, 2023
4. Buffer Zone Mitigation Plan - Goddard Consulting dated June 22, 2023
5. Evaluation for Vernal Pool Characteristics – Goddard Consulting dated June 22, 2023
6. Stormwater Drainage Analysis - *Under Separate Cover*
7. Certified Abutters List & Notification to Abutters
8. Affidavit of Service & Property Access Signature Form
9. Miscellaneous Figures (Aerial Locus, USGS, FEMA & NHESP)

WPA FORM 3



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

Franklin

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):

0 Upper Union Street Franklin 02038
 a. Street Address b. City/Town c. Zip Code
42.0559 -71.3892
 d. Latitude e. Longitude
009
 f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

Colleen DeBenedetto
 a. First Name b. Last Name
VS Union Solar Smart, LLC
 c. Organization
24941 Dana Point Harbor
 d. Street Address
Dana Point CA 92629
 e. City/Town f. State g. Zip Code
(508) 463-5303 Colleen@valtaenergy.com
 h. Phone Number i. Fax Number j. Email Address

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

John C. Jr. Colella
 a. First Name b. Last Name
 c. Organization
PO Box 454
 d. Street Address
Franklin MA 02038
 e. City/Town f. State g. Zip Code
 h. Phone Number i. Fax Number jcbldrs@yahoo.com
 j. Email address

4. Representative (if any):

Richard Tabaczynski
 a. First Name b. Last Name
Atlantic Design Engineers, Inc.
 c. Company
PO Box 1051
 d. Street Address
Sandwich MA 02563
 e. City/Town f. State g. Zip Code
(508) 888-9282 rtaab@atlanticcompanies.com
 h. Phone Number i. Fax Number j. Email address

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

\$500.00 \$237.50 \$262.50
 a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

Proposed ground mounted solar array at 0 Upper Union Street, Franklin, MA. The project consists of a ±2.3-acre solar facility along with a gravel access road, security fencing, stormwater/erosion control measures, transformer, and electrical inverters on concrete pads and above/below ground electric connecting to the existing utility line at the entrance to the site on Upper Union Street.

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)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR 10.24(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

a. County

31678

c. Book

b. Certificate # (if registered land)

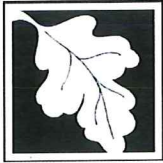
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d. Page Number

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.



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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.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	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
f. <input type="checkbox"/> 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. _____

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.



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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>Resource Area</u>	<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



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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

8/1/2021

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

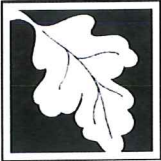
2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

- (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 <https://www.mass.gov/mas-endangered-species-act-mesa-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.



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

- (c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

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.

- c. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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

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.

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



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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.

Site Development Plans for Upper Union Street Solar Project, Franklin, MA

a. Plan Title

Atlantic Design Engineers, Inc.

Richard J. Tabaczynski, P.E.

b. Prepared By

c. Signed and Stamped by

6/19/2023

1"= 60', 1"=30'

d. Final Revision Date

e. Scale

Stormwater Drainage Analysis

6/19/2023

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:

9683301538

06/30/2023

2. Municipal Check Number

3. Check date

9683301540

06/30/2023

4. State Check Number

5. Check date

Rebecca

Griffin

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
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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.

1. Signature of Applicant <i>Albe DiBenedetto</i>	2. Date <i>6-20-23</i>
3. Signature of Property Owner (if different) <i>Michael [unclear]</i>	4. Date <i>6/15/23</i>
5. Signature of Representative (if any) <i>[unclear] Atlantic Design Engineers</i>	6. Date <i>6/20/23</i>

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.

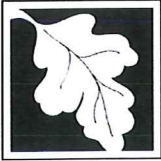
For MassDEP:

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:

0 Upper Union Street Franklin
 a. Street Address b. City/Town
 9683301538 237.50
 c. Check number d. Fee amount

2. Applicant Mailing Address:

Colleen DeBenedetto
 a. First Name b. Last Name
 VS Union Solar Smart, LLC
 c. Organization
 24941 Dana Point Harbor
 d. Mailing Address
 Dana Point CA 92629
 e. City/Town f. State g. Zip Code
 (508) 463-5303 colleen@valtaenergy.com
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

John C. Jr. Colella
 a. First Name b. Last Name
 c. Organization
 PO Box 454
 d. Mailing Address
 Franklin MA 02038
 e. City/Town f. State g. Zip Code
 h. Phone Number i. Fax Number j. Email Address
 jcbldrs@yahoo.com

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
2(d) Electrical Generating Facility	1	\$500.00	\$500.00
Step 5/Total Project Fee:			\$500.00

Step 6/Fee Payments:

Total Project Fee:	\$500.00
a. Total Fee from Step 5	\$237.50
State share of filing Fee:	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	\$262.50
	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.)

TOWN OF FRANKLIN APPLICATION FORMS

Town of Franklin Conservation Commission

APPLICATION PROCESS SIGNATURE FORM

There are three different applications that can be submitted to undertake work in a jurisdictional area: a Notice of Intent (NOI), a Request for Determination (RDA) and a Minor Buffer Zone Activity (MBZA). All three applications have different criteria for submission and approval and the NOI and RDA are governed by both the state law and the local bylaw. The MBZA is issued under the local bylaw only.

When a potential applicant requests advice from the Conservation Agent on which application to file, the opinion of the Agent is based on the information given by the potential applicant and any other information available to the Agent, e.g. the town's GIS system. The Agent has no legal right to go onto private property at any time until after an application is filed or permission of the property owner is given.

It is important that all applicants understand that after an application is filed, additional information may come to light e.g. via a field inspection or a review of the application, that may impact the scope of the submitted application and the approval process. **Therefore, it is the ultimate responsibility of the applicant to decide which application to file.**

In light of the above, please sign below indicating an understanding of this policy and submit it with the application.

John C. Kelly
Signature of Property Owner

6/15/23
Date

Town of Franklin Conservation Commission

RESOURCE AREA IMPACT SUMMARY FORM

**The Franklin Wetlands Protection Bylaw
Franklin Town Code Section 181**

Resource Area	Alteration Proposed	Mitigation Proposed
Bordering Vegetated Wetland (SF)		
Bank (LF)		
Land Under Water Bodies (SF)		
Isolated Wetland (SF)		
Vernal Pool (SF)		
Buffer Zone (SF)	0-25': 308 SF 25-50': 13,496 SF 50-100': 20,119 SF Total: 33,923 SF	±616 SF Buffer Zone Mitigation Area
Riverfront (SF)		
100-Year Floodplain (CF)		
(SF) = Square Feet (LF) = Linear Feet (CF) = Cubic Feet Flood Storage		

Town of Franklin Conservation Commission

LOCAL FILING FEE CALCULATION WORKSHEET

1. NOTICE OF INTENT (NOI)

1.1. New Individual Single Family Home (SFH) \$200.00 _____
This includes all projects associated with a SFH

1.2. Work Associated with Existing Residential Property \$50.00 _____
Above-ground pools, fences or other incidental projects
involving land disturbance that are not covered by the MBZA

1.3. Control of Nuisance Vegetation \$50.00 _____
This category shall not apply to any non-natural
deposition of material e.g. vegetative debris

1.4. Subdivisions

Base Fee \$600.00 _____
Infrastructure in Buffer Zone or Resource Area
Roads _____ linear feet x \$2.00 = _____
*Drainage Structures _____ X \$10.00 each = _____
Wetland Resource Area Disturbed _____ square feet x \$0.50 = _____

(If single family homes are proposed as part of a subdivision
application, for each house in jurisdiction, individual NOI fees will apply.)

1.5. Multifamily Dwellings, including Condominium Units:
_____ MFDU x \$100.00 _____

1.6. Commercial/Industrial

Base Fee \$600.00 \$600.00
Infrastructure in Buffer Zone or Resource Area

Roads	_ linear feet x \$2.00	=	_____
*Drainage Structures	_ X \$10.00 each	=	_____
Wetland Resource Area Disturbed	_____ square feet x \$0.50	=	_____
Buildings	_____ X \$125 each	=	_____
All Accessory Improvements	\$100.00	=	_____

2. **REQUEST FOR DETERMINATION (RDA)** \$100.00

3. **MINOR BUFFER ZONE ACTIVITY (MBZA)** \$50.00

4. **ABBREVIATED NOTICE OF RESOURCE AREA DETERMINATION (ANRAD)**

\$0.50/foot/resource area: = _____

5. **OTHER PERMITS/SERVICES**

Order of Conditions Extension	\$50.00	_____
Certificate of Compliance Request	\$50.00	_____
Certificate Re-Inspection	\$50.00	_____
Status Letter for Financial Institution	\$100.00	_____
Permit Amendment	\$100.00	_____

6. **FILING FEE CALCULATION**

Town Share of State Fees (See NOI Wetland Fee Transmittal Form)	\$ <u>262.50</u>
Local Filing Fee Calculated Above	\$ <u>600.00</u>
TOTAL Due Town of Franklin (Check No.1)	<u>\$ 862.50</u>

State Share of Filing Fee (See NOI Wetland Fee Transmittal Form)	
TOTAL Due DEP (Check No. 2)	\$ <u>237.50</u>

7. **ADVERTISING FEE (Check No. 3)** **TBD**

The fee will be the exact amount the newspaper charges for that specific advertisement. Once the advertisement is placed with the paper, by the Conservation Commission, the applicant will be notified of the cost and will be expected to submit a check for that exact amount, payable to the Town of Franklin, to the Conservation Department prior to the first hearing.

*Drainage structures: catch basins, manholes, leaching basins, gutter inlet or any other man-made structure (other than a pipe) for purposes of controlling drainage.

CASHIER'S CHECK

HOLD DOCUMENT AT ANGLE TO VIEW ARTIFICIAL WATERMARK ON BACK

HOLD DOCUMENT

ON BACK



Remitter: VALTA ENERGY LLC

Pay To The Order Of: TOWN OF FRANKLIN

Pay: EIGHT HUNDRED SIXTY TWO DOLLARS AND 50 CENTS

Date 06/30/2023

Void after 7 years

440

\$** 862.50 **

Drawer: JPMORGAN CHASE BANK, N.A.

Rebecca Griffin

Rebecca Griffin, Chief Administrative Officer
JPMorgan Chase Bank, N.A.
Columbus, OH

Do not write outside this box

Memo: -----
Note: For information only. Comment has no effect on bank's payment.



Security Features Details on Back

HOLD DOCUMENT AT ANGLE TO VIEW ARTIFICIAL WATERMARK ON BACK



Remitter: VALTA ENERGY LLC

CASHIER'S CHECK

HOLD DOCUMENT

ON BACK

440

Void after 7 years

06/30/2023

Date

Pay To The **COMMONWEALTH OF MASSACHUSETTS**
Order Of:

Pay: **TWO HUNDRED THIRTY SEVEN DOLLARS AND 50 CENTS**

\$** 237.50 **

Do not write outside this box

Memo: _____
Note: For information only. Comment has no effect on bank's payment.

Drawer: **JPMORGAN CHASE BANK, N.A.**

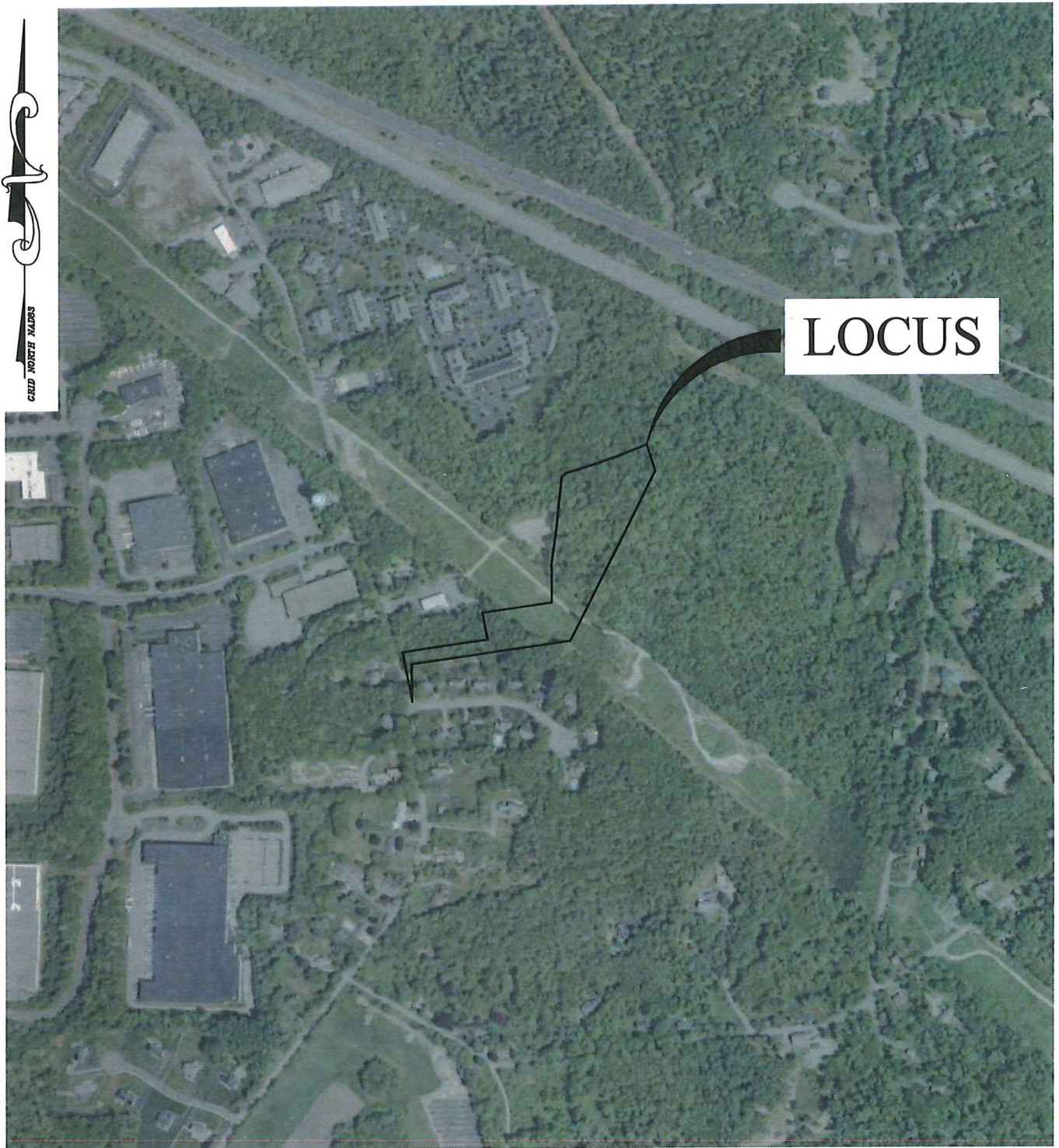
Rebecca Griffin

Rebecca Griffin, Chief Administrative Officer
JPMorgan Chase Bank, N.A.
Columbus, OH



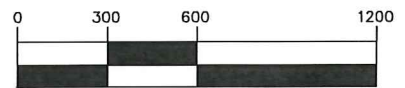
Security Features Details on Bank

MISCELLANEOUS FIGURES



LOCUS

SCALE 1" = 600'



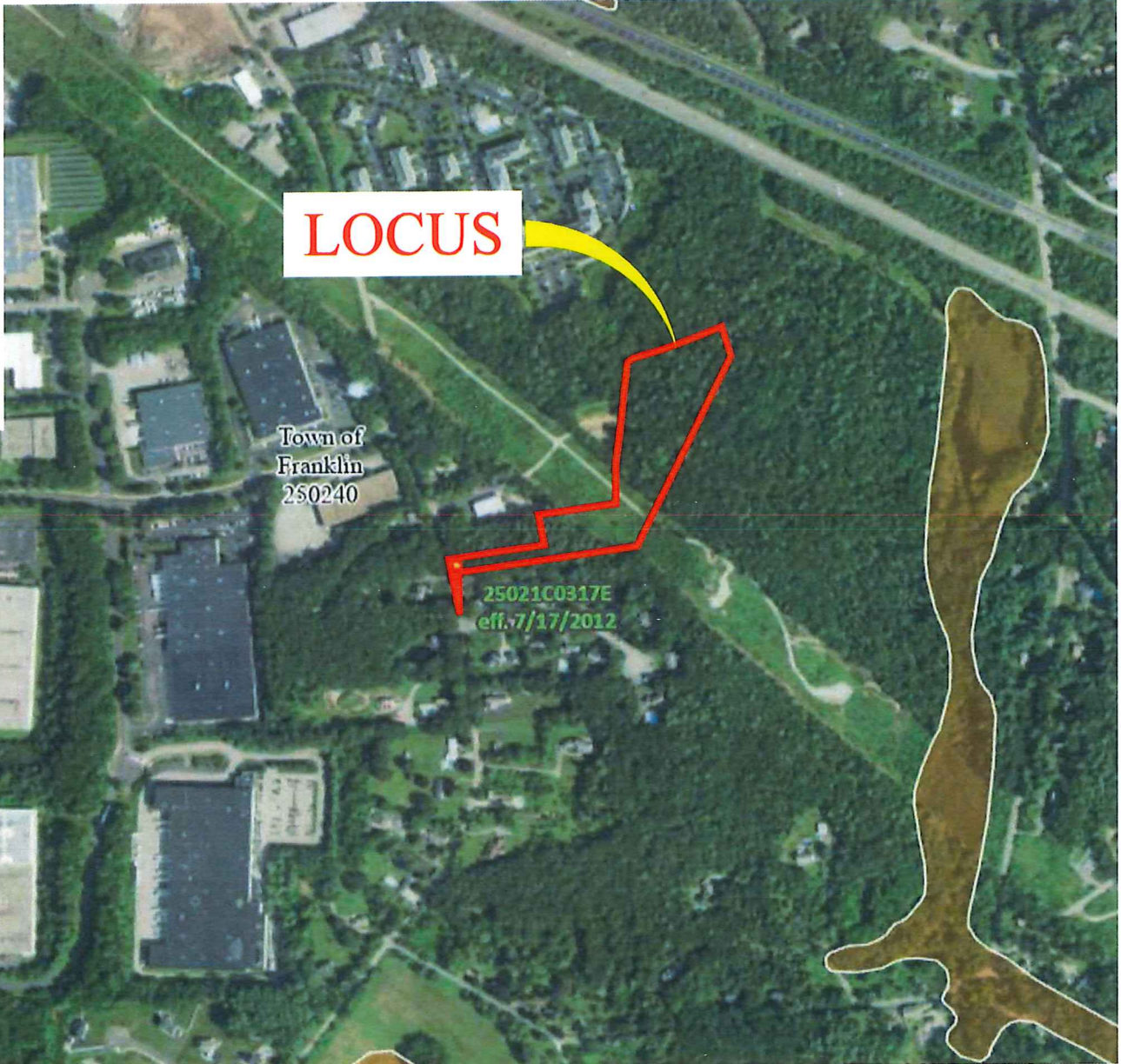
Atlantic® DESIGN ENGINEERS, INC
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282


FILE: 3328.00-FIGURES

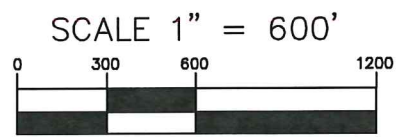
APPLICANT:
VS UNION SOLAR SMART, LLC
24941 DANA POINT HARBOR
DANA POINT, CA 92629

FIGURE - AERIAL LOCUS PLAN
FOR
UPPER UNION SOLAR PROJECT
FRANKLIN, MASSACHUSETTS
JUNE 14, 2023

Sheet	of
1	1
JOB NUMBER	
3328.00	



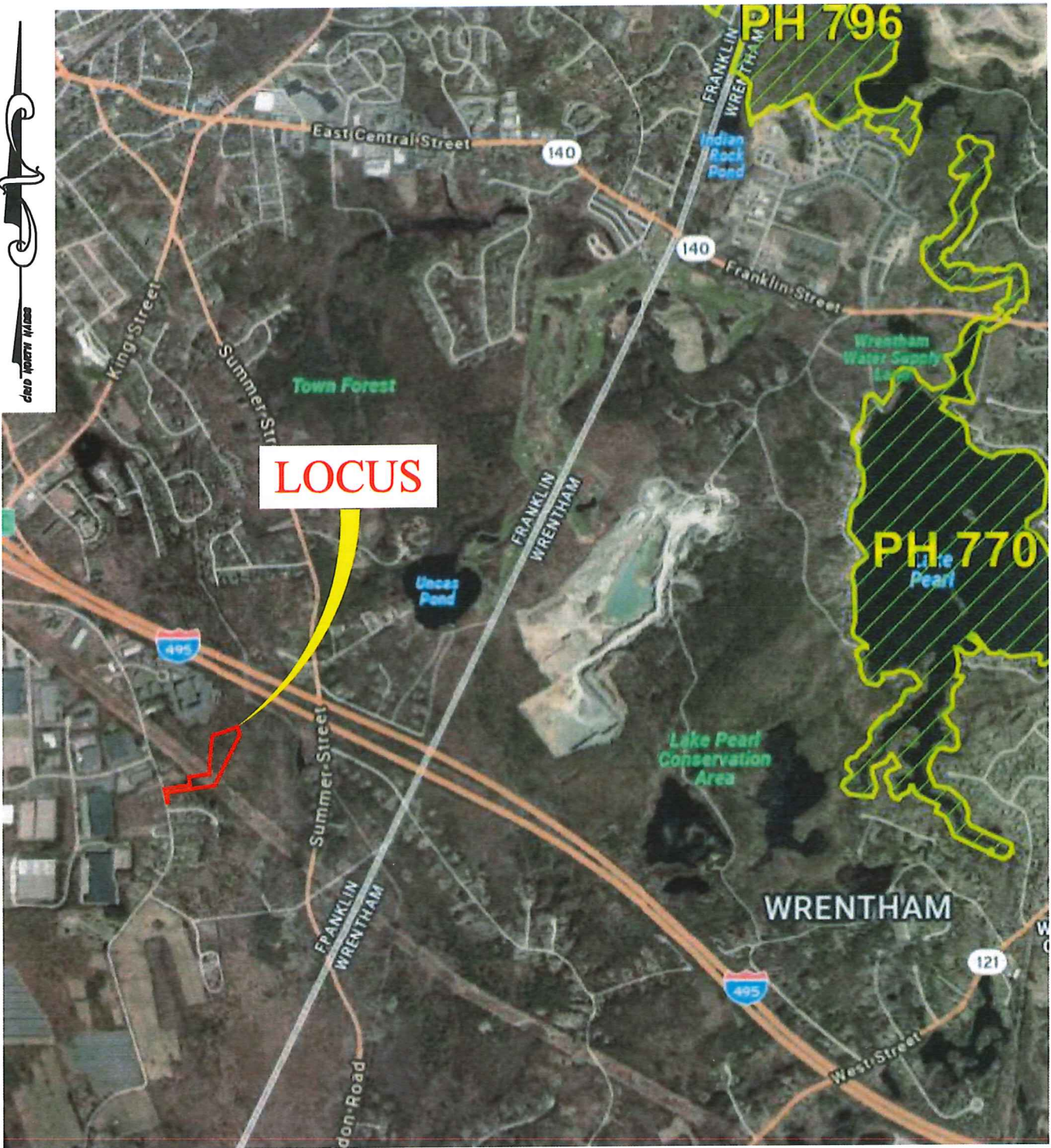
 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X



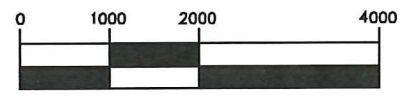
Atlantic® DESIGN ENGINEERS, INC
 P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

FILE: 3328.00-FIGURES

APPLICANT: VS UNION SOLAR SMART, LLC 24941 DANA POINT HARBOR DANA POINT, CA 92629	FIGURE - FEMA LOCUS PLAN FOR UPPER UNION SOLAR PROJECT FRANKLIN, MASSACHUSETTS JUNE 14, 2023	<table border="1"> <tr> <td>Sheet</td> <td>of</td> </tr> <tr> <td>1</td> <td>1</td> </tr> <tr> <td colspan="2">JOB NUMBER</td> </tr> <tr> <td colspan="2">3328.00</td> </tr> </table>	Sheet	of	1	1	JOB NUMBER		3328.00	
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JOB NUMBER										
3328.00										



SCALE 1" = 2000'



Atlantic® DESIGN ENGINEERS, INC
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

FILE: 3328.00-FIGURES

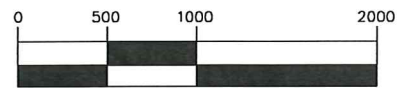
APPLICANT:
VS UNION SOLAR SMART, LLC
24941 DANA POINT HARBOR
DANA POINT, CA 92629

FIGURE - NHESP LOCUS PLAN
FOR
UPPER UNION SOLAR PROJECT
FRANKLIN, MASSACHUSETTS
JUNE 14, 2023

Sheet	of
1	1
JOB NUMBER	
3328.00	



SCALE 1" = 1000'



Atlantic® DESIGN ENGINEERS, INC
 P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

FILE: 3328.00-FIGURES

APPLICANT:
 VS UNION SOLAR SMART, LLC
 24941 DANA POINT HARBOR
 DANA POINT, CA 02629

FIGURE - USGS TOPO MAP
 FOR
 UPPER UNION SOLAR PROJECT
 FRANKLIN, MASSACHUSETTS
 JUNE 14, 2023

Sheet	of
1	1
JOB NUMBER	
3328.00	

WETLANDS REPORT

April 21, 2023

Richard J. Tabaczynski
Atlantic Design Engineers
39 Pleasant Street
Sagamore, MA 02561

Re: Wetland Border Report
1056 Upper Union Street, Franklin MA (Map 319, Parcel 009)

Wetland Border Report

SUMMARY OF FINDINGS

On April 17, 2023, wetland resources were delineated on land located on or near 1056 Upper Union Street, in Franklin MA (refer to enclosed locus maps). The wetland border was flagged using the criteria in the most recent edition of MA Wetland Protection Act (WPA) and Regulations 310 CMR 10.00 et al and the local wetland bylaw. Hydric soil indicators, vegetation changes, hydrological indicators, and topography were all considered for delineation purposes.

An extensive Bordering Vegetated Wetland (BVW) system was delineated in the field with wetland flag series GC A1-57. This BVW system spans much of the southeastern corner of the parcel, and has an associated intermittent stream located within its borders. One Isolated Vegetated Wetland was delineated in the parcel's center with wetland flag series GC B1-26. The isolated wetland system is located along low-lying topography adjacent to the existing power line road. A BVW Field Data Form was completed at flag GCA32. The uplands onsite are dominant in white pine, red oak, sugar maple, greenbrier and Canada mayflower. The site's wetlands are dominated by red maple, highbush blueberry, swamp azalea, buckthorn, cinnamon fern, skunk cabbage, and sensitive fern.

According to the MassGIS data layers for the Natural Heritage & Endangered Species Program (NHESP), this site is not located within Estimated and/or Priority Habitat of Rare Wildlife or an Area of Critical Environmental Concern (ACEC). The site is not located in a FEMA Flood Zone. The site is not located in an Outstanding Resource Waters Area (ORW). There are no mapped potential or certified vernal pools on site.

The Bordering Vegetated Wetlands onsite are resource areas protected by the Wetlands Protection Act and cast an associated 100-ft buffer zone. Franklin's Wetlands Bylaw sets forth additional definitions, regulations and performance standards to further protect wetland resource areas and their values. The bylaw defines a 25-Foot No Disturb Buffer Zone, as well as a 50-Foot No Build Buffer Zone. The Isolated Vegetated Wetland is jurisdictional under the town Bylaw and is also assigned the above referenced buffer zones.

Any work with within these resource areas including 100-foot buffer zones will require a Request for Determination (RDA) or Notice of Intent (NOI) to be filed with the Franklin Conservation Commission.

The titles of attached documents are as follows:

- Wetland Delineation Form
- Orthophoto of Locus Site, Goddard Consulting LLC, 4/6/2023
- Orthophoto of Locus Site with NRCS Soil Survey, Goddard Consulting LLC, 4/6/2023
- USGS of Locus Site, Goddard Consulting LLC, 4/6/2023
- Delineation Sketch, Goddard Consulting LLC, 4/6/2023

DESCRIPTION OF REGULATED INLAND RESOURCE AREA

The table below provides the flag numbers, flag type, and wetland types and locations for the resource areas delineated.

Resource Area	Regulatory Jurisdiction	Flag Numbers	Flag Type	Wetland Types and Locations
Bordering Vegetated Wetland (BVW), intermittent stream	100' buffer zone (WPA) 25' No-Disturb (Bylaw) 50' No Build (Bylaw)	GC A1-57	Blue ribbon	BVW system with internal intermittent stream in southeastern portion of parcel
Isolated Vegetated Wetland (IVW)	100' buffer zone (bylaw) 25' No-Disturb (Bylaw) 50' No Build (Bylaw)	GC B1-26	Blue ribbon	IVW in center of parcel adjacent to stone drive

SITE PHOTOS



Photo 1. View of BVW origin onsite, piped from residential properties



Photo 2. View of intermittent stream internal to BVW.



Photo 3. Wetland soil pulled downgradient of flag GC A32



Photo 4. View of typical upland area onsite.

Sincerely,
Goddard Consulting, LLC



Chris Frattaroli
Wetland Scientist

Andrew Thibault

Andrew Thibault, WPIT, WSA
Environmental Scientist

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: Atlantic Design Engineers Prepared by: Goddard Consulting LLC Project location: 1056 Upper Union St. Franklin MA DEP File #: _____

Check all that apply: Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only.
 Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
 Method other than dominance test used (attach additional information)

Section I. Vegetation		Observation Plot Number: <u>GC A32</u>	Transect Number: <u>Upgradient</u>	Date of Delineation: <u>17-Apr-23</u>	
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*
<u>Tree Layer</u>					
White pine	<i>Pinus strobus</i>	11%	25.3%	Yes	FACU
Red oak	<i>Quercus rubra</i>	21%	49.4%	Yes	FACU
Sugar maple	<i>Acer saccharum</i>	11%	25.3%	Yes	FACU
<u>Sapling Layer</u>					
White pine	<i>Pinus strobus</i>	21%	66.1%	Yes	FACU
Red oak	<i>Quercus rubra</i>	11%	33.9%	Yes	FACU
<u>Shrub Layer</u>					
White pine	<i>Pinus strobus</i>	11%	50.0%	Yes	FACU
Black cherry	<i>Prunus serotina</i>	11%	50.0%	Yes	FACU
<u>Climbing Woody Vine</u>					
Green brier	<i>Smitilax rotundifolia</i>	11%	100.0%	Yes	FAC*
<u>Ground Cover</u>					
Canada mayflower	<i>Maianthemum canadense</i>	11%	50.0%	Yes	FACU
Common dewberry	<i>Rubus flagellaris</i>	11%	50.0%	Yes	FACU

Remarks: * An asterisk after common plant name indicates stunted growth; ** indicates extremely stunted growth

Morphological Adaptations: 0 Description: _____
 * An asterisk after indicator status denotes wetlands plants: plants listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; or plants listed as FAC, FACW, or OBL.

Vegetation conclusion:

Number of dominant wetland indicator plants: 1 Number of dominant non-wetland indicator plants: 9
 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? no

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no

title/date: Soil Survey of Norfolk and Suffolk Counties - 1989

map number: MA616

soil type mapped: Charlton-Hollis Rock Outcrop Complex, Woodbridge FSL

hydric soil inclusions: Yes, Whitman, Ridgebury

Are field observations consistent with soil survey? yes no

Remarks:

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
A	0-7"	10YR2/1	Fine sandy loam
B	7-18"	10YR5/4	Fine sandy loam
C	18-24"	10YR6/4	Fine sandy loam

Remarks:

3. Other:

Conclusion: Is soil hydric? yes no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: _____
- Depth to free water in observation hole: _____
- Depth to soil saturation in observation hole: _____
- Water marks: _____
- Drift Lines: _____
- Sediment deposits: _____
- Drainage patterns in BVW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- Other: _____

Vegetation and Hydrology Conclusion for Upgradient of GC A32

	yes	no
Number of wetland indicator plants >= number of non-wetland plants		X
Wetland hydrology present: hydric soils present		X
other indicators of hydrology present		X
Sample location is in a BVW		X

Submit this form with the Request for Determination of Applicability or Notice of Intent

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Project location: 1056 Upper Union St, Franklin MA DEP File #: _____

Applicant: Atlantic Design Engineers Prepared by: Goddard Consulting LLC

Check all that apply: Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
 Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
 Method other than dominance test used (attach additional information)

Section I. Vegetation	Observation Plot Number: <u>GC A32</u>	Transsect Number: <u>Downgradient</u>	Date of Delineation: <u>17-Apr-23</u>	Dominant Plant (yes or no)	Wetland Indicator Category*
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance		
<u>Tree Layer</u> Red maple	<i>Acer rubrum</i>	11%	100.0%	Yes	FAC*
<u>Sapling Layer</u>					
<u>Shrub Layer</u> Multiflora rose Highbush blueberry Clammy azalea Glossy buckthorn	<i>Rosa multiflora</i> <i>Vaccinium corymbosum</i> <i>Rhododendron viscosum</i> <i>Frangula alnus</i>	11% 11% 11% 11%	25.0% 25.0% 25.0% 25.0%	Yes Yes Yes Yes	FACU FACW* FACW* FAC*
<u>Climbing Woody Vine</u> Frost grape Green brier	<i>Vitis vulpina</i> <i>Smilax rotundifolia</i>	11% 11%	50.0% 50.0%	Yes Yes	FAC* FAC*
<u>Ground Cover</u> Phragmites Cinnamon fern Skunk cabbage Sensitive fern Hartbequin blueflag	<i>Phragmites australis</i> <i>Osmundastrum cinnamomeum</i> <i>Symplocarpus foetidus</i> <i>Onoclea sensibilis</i> <i>Iris versicolor</i>	11% 11% 11% 11% 11%	20.0% 20.0% 20.0% 20.0% 20.0%	Yes Yes Yes Yes Yes	FACW* FACW* OBL* FACW* OBL*
Morphological Adaptations: <u>0</u> Remarks: * An asterisk after common plant name indicates stunted growth; ** indicates extremely stunted growth Description: _____ * An asterisk after indicator status denotes wetlands plants: plants listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; or plants listed as FAC, FACW, or OBL.					
Vegetation conclusion: Number of dominant wetland indicator plants: <u>11</u> Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? <u>yes</u> Number of dominant non-wetland indicator plants: <u>1</u>					

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? yes no

title/date: Soil Survey of Norfolk and Suffolk Counties - 1989

map number: MA616

soil type mapped: Charlton-Hollis Rock Outcrop Complex, Woodbridge FSL

hydric soil inclusions: Yes, Whitman, Ridgebury

Are field observations consistent with soil survey? yes no

Remarks:

2. Soil Description

Horizon	Depth (inches)	Matrix Color	Mottles Color or Texture
O	0-8"	10YR2/1	Muck
C	8-15"	10YR6/2	Fine sandy loam

Remarks:

Rock at 15" restricted further sampling

3. Other:

Conclusion: Is soil hydric? yes no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: ponded at surface
- Depth to free water in observation hole: _____
- Depth to soil saturation in observation hole: surface
- Water marks: _____
- Drift Lines: _____
- Sediment deposits: _____
- Drainage patterns in BVW: _____
- Oxidized rhizospheres: _____
- Water-stained leaves: _____
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- Other: _____

Vegetation and Hydrology Conclusion for Downgradient of GC A32

	<u>yes</u>	<u>no</u>
Number of wetland indicator plants >= number of non-wetland plants	X	
Wetland hydrology present: hydric soils present	X	
other indicators of hydrology present	X	
Sample location is in a BVW	X	

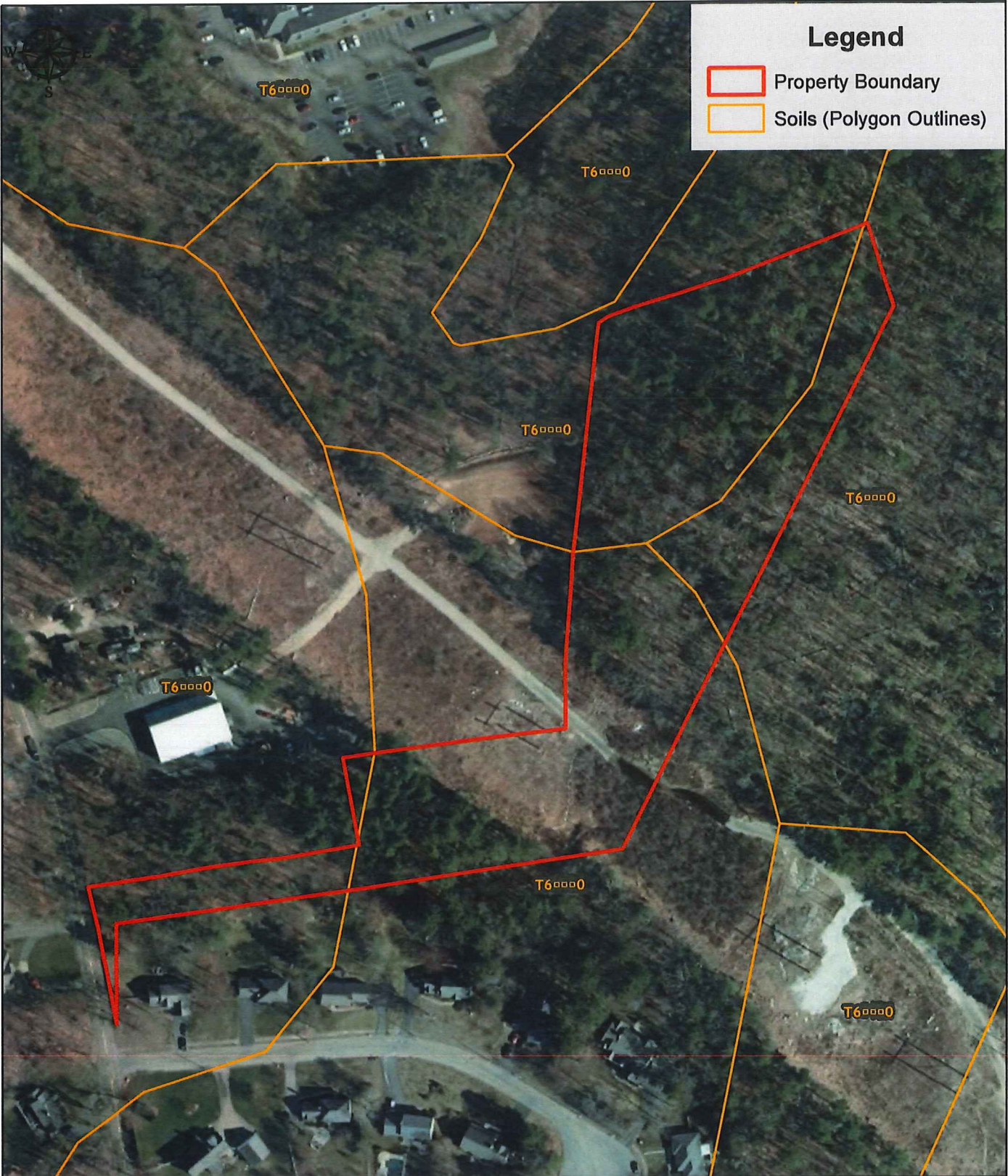
Submit this form with the Request for Determination of Applicability or Notice of Intent



Legend

Property Boundary

Date: 4/6/2023	GC Job Number: 101-83	Wetland Border Report Orthophoto View of Site		0 87.5 175 Feet
				1056 Upper Union Street Franklin, MA 02038




Legend

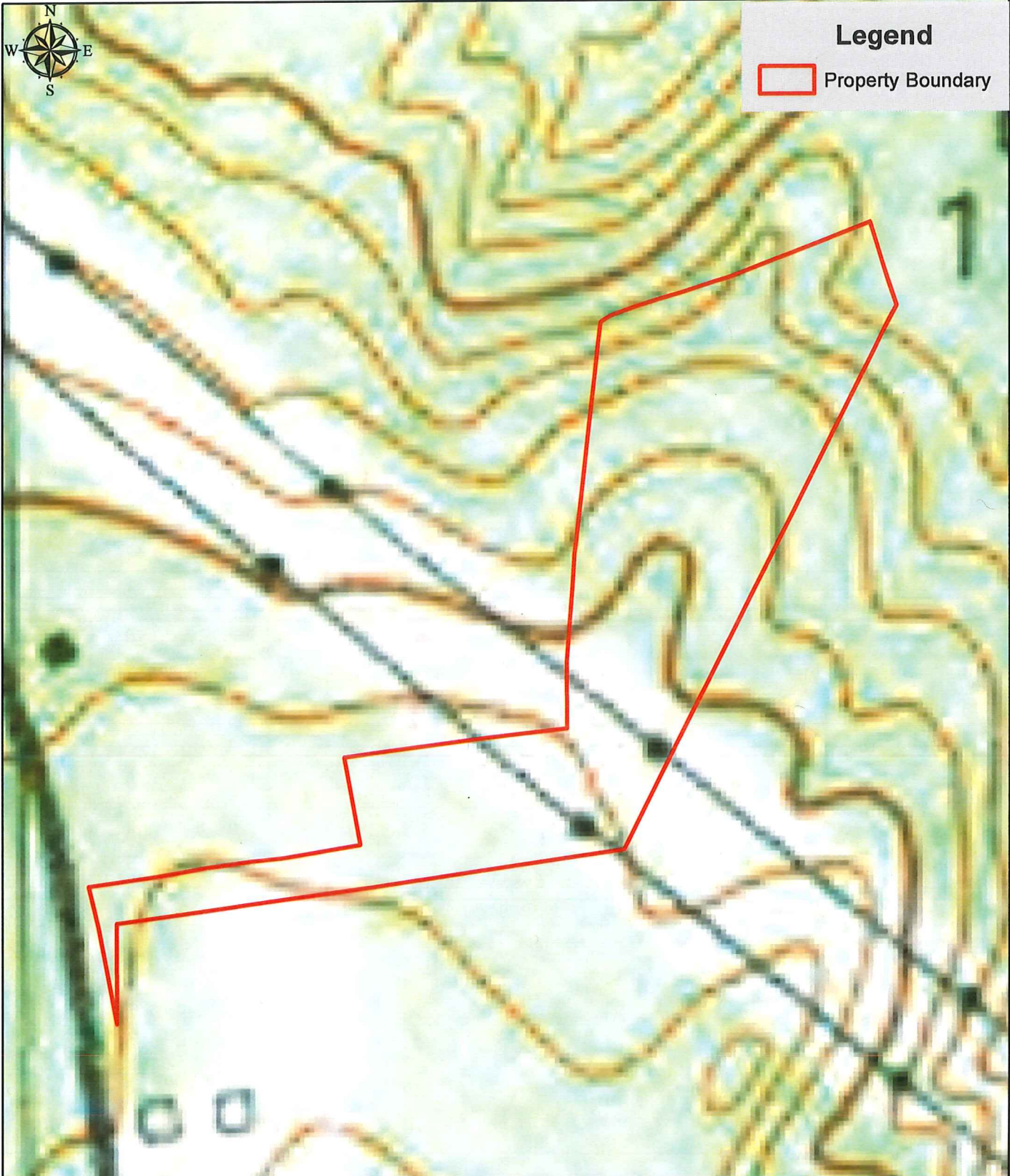
- Property Boundary
- Soils (Polygon Outlines)



Date: 4/6/2023	GC Job Number: 101-83	Wetland Border Report Orthophoto View of Site With NRCS Soil Survey	0 87.5 175 Feet
GODDARD CONSULTING Strategic Wetland Permitting LLC		1056 Upper Union Street Franklin, MA 02038	1 in = 175 ft
		Map: 319, Lot: 9	Figure 2



Legend


 Property Boundary

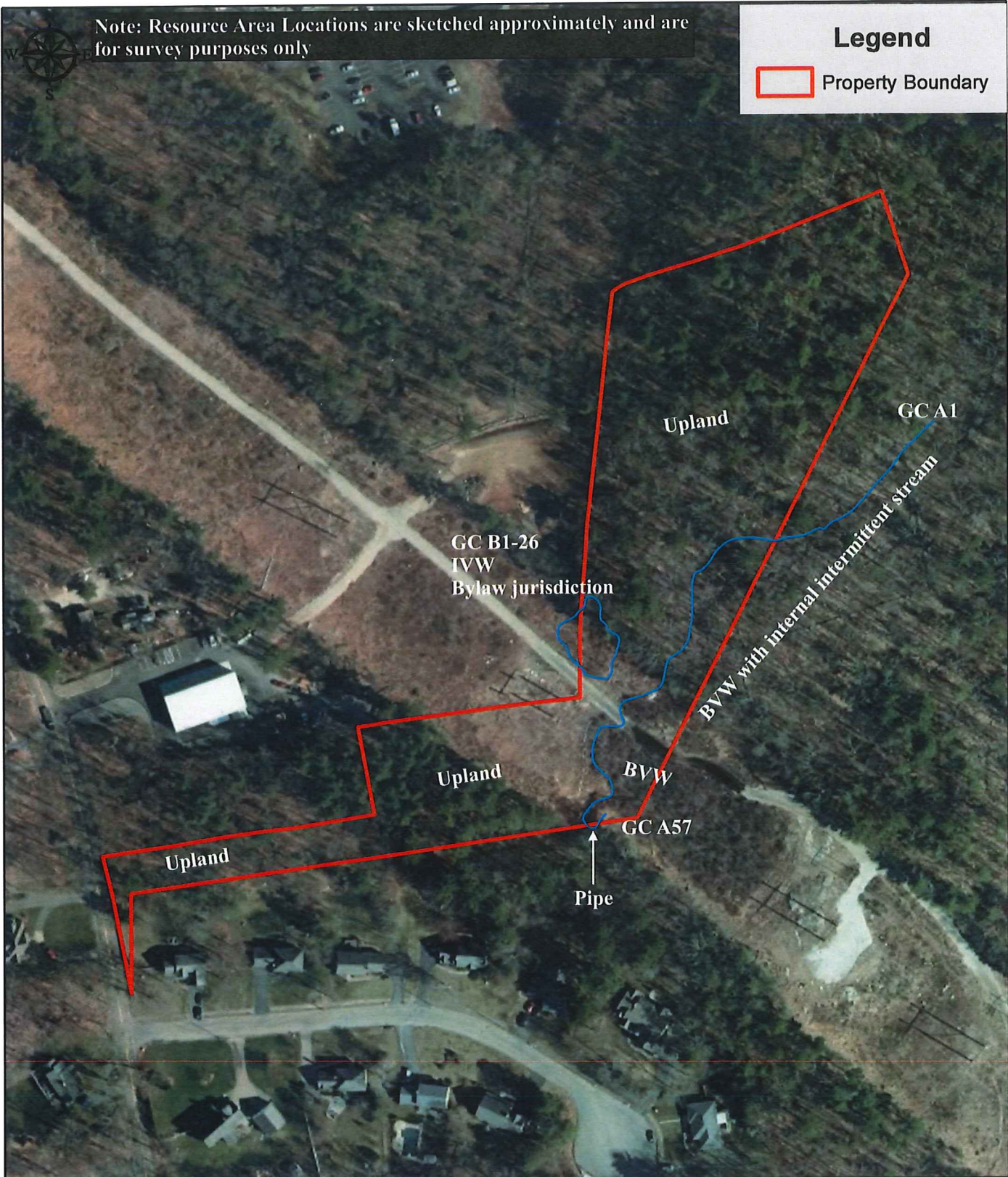


Date: 4/6/2023	GC Job Number: 101-83	Wetland Border Report USGS of Site		
			1 in = 175 ft	Figure 3
		1056 Upper Union Street Franklin, MA 02038	Map: 319, Lot: 9	

Note: Resource Area Locations are sketched approximately and are for survey purposes only

Legend

 Property Boundary



Date: 4/6/2023 GC Job Number: 101-83

**Wetland Border Report
Orthophoto View of Site**

0 87.5 175
Feet



1056 Upper Union Street
Franklin, MA 02038

1 in = 175 ft

Map: 319, Lot: 9

Figure 1

ABUTTERS LIST & NOTIFICATION



300 foot Abutters List Report

Franklin, MA
May 25, 2023

Subject Property:

Parcel Number: 319-009-000
CAMA Number: 319-009-000-000
Property Address: UPPER UNION ST

Mailing Address: COLELLA JOHN C SR COLELLA JOHN C
JR
P O BOX 454
FRANKLIN, MA 02038

Abutters:

Parcel Number: 318-033-000
CAMA Number: 318-033-000-000
Property Address: SUMMER ST

Mailing Address: FRANKLIN TOWN OF
355 EAST CENTRAL STREET
FRANKLIN, MA 02038

Parcel Number: 319-001-000
CAMA Number: 319-001-000-000
Property Address: 1 INDEPENDENCE WAY

Mailing Address: UDR UNION PLACE LLC
1475 SHEA CENTER DRIVE - SUITE 200
HIGHLANDS RANCH, CO 80129

Parcel Number: 319-004-000
CAMA Number: 319-004-000-000
Property Address: UPPER UNION ST

Mailing Address: NEW ENGLAND POWER CO PROPERTY
TAX DEPT
40 SYLVAN RD
WALTHAM, MA 02451-2286

Parcel Number: 319-005-000
CAMA Number: 319-005-000-000
Property Address: 860 UPPER UNION ST

Mailing Address: HENRY HAROLD T JR HENRY SHOUAA
860 UPPER UNION ST
FRANKLIN, MA 02038

Parcel Number: 319-006-000
CAMA Number: 319-006-000-000
Property Address: 864 UPPER UNION ST

Mailing Address: MBBT LLC
PO BOX 35
FRANKLIN, MA 02038

Parcel Number: 319-008-000
CAMA Number: 319-008-000-000
Property Address: UPPER UNION ST

Mailing Address: FORTE DARIEN
299 WASHINGTON ST APT1
CAMBRIDGE, MA 02139

Parcel Number: 319-010-000
CAMA Number: 319-010-000-000
Property Address: UPPER UNION ST

Mailing Address: PISANI ANTHONY J PISANI ANA I
867 UPPER UNION ST
FRANKLIN, MA 02038

Parcel Number: 319-011-000
CAMA Number: 319-011-000-000
Property Address: 863 UPPER UNION ST

Mailing Address: DONOVAN JOSEPH E WHEELER SARAH
863 UPPER UNION ST
FRANKLIN, MA 02038

Parcel Number: 319-012-000
CAMA Number: 319-012-000-000
Property Address: 145 CONSTITUTION BLVD

Mailing Address: TALON REALTY LLC
10 DISCOVERY WAY
FRANKLIN, MA 02038

Parcel Number: 330-001-000
CAMA Number: 330-001-000-000
Property Address: 2 RIBERO DR

Mailing Address: BATRA KAPIL BATRA SUMAN P
2 RIBERO DR
FRANKLIN, MA 02038



www.cai-tech.com

This information is believed to be correct but is subject to change and is not warranted.



300 foot Abutters List Report

Franklin, MA
May 25, 2023

Parcel Number: 330-002-000 CAMA Number: 330-002-000-000 Property Address: 6 RIBERO DR	Mailing Address: WONG MICHAEL WONG BONA D 6 RIBERO DR FRANKLIN, MA 02038
Parcel Number: 330-003-000 CAMA Number: 330-003-000-000 Property Address: 10 RIBERO DR	Mailing Address: DECECCO SCOTT THOMAS DECECCO PATRICIA DOUGHERTY 10 RIBERO DR FRANKLIN, MA 02038
Parcel Number: 330-004-000 CAMA Number: 330-004-000-000 Property Address: 14 RIBERO DR	Mailing Address: GIESE RICHARD B GIESE NANCY J 14 RIBERO DR FRANKLIN, MA 02038
Parcel Number: 330-005-000 CAMA Number: 330-005-000-000 Property Address: 11 RIBERO DR	Mailing Address: VALUTKEVICH STEPHEN J VALUTKEVICH ERIN 11 RIBERO DR FRANKLIN, MA 02038
Parcel Number: 330-006-000 CAMA Number: 330-006-000-000 Property Address: 7 RIBERO DR	Mailing Address: CATALDO MICHAEL P CATALDO AMY F 7 RIBERO DR FRANKLIN, MA 02038
Parcel Number: 330-007-000 CAMA Number: 330-007-000-000 Property Address: 1 RIBERO DR	Mailing Address: PETIT ARTHUR A PETIT CHRISTINE E 1 RIBERO DR FRANKLIN, MA 02038
Parcel Number: 330-008-000 CAMA Number: 330-008-000-000 Property Address: 874 UPPER UNION ST	Mailing Address: CARMIGNANI JEFFREY V 874 UPPER UNION ST FRANKLIN, MA 02038
Parcel Number: 330-022-000 CAMA Number: 330-022-000-000 Property Address: 873 UPPER UNION ST	Mailing Address: COLELLA JAMES M COLELLA CAROL 873 UPPER UNION ST FRANKLIN, MA 02038
Parcel Number: 330-025-000 CAMA Number: 330-025-000-000 Property Address: 871 UPPER UNION ST	Mailing Address: BYKOVA KSENIA MATVEEV VADIM 871 UPPER UNION ST FRANKLIN, MA 02038
Parcel Number: 330-026-000 CAMA Number: 330-026-000-000 Property Address: 867 UPPER UNION ST	Mailing Address: PISANI ANA I TR ANA I PISANI INVESTMENT TRUST 867 UPPER UNION ST FRANKLIN, MA 02038
Parcel Number: 331-029-000 CAMA Number: 331-029-000-000 Property Address: RIBERO DR	Mailing Address: J COLELLA & SON INC & JC BLDR PO BOX 454 FRANKLIN, MA 02038
Parcel Number: 331-030-000 CAMA Number: 331-030-000-000 Property Address: 18 RIBERO DR	Mailing Address: TAYLOR AMIE S & MICHAEL C TRS AMIE S TAYLOR REVO TR 18 RIBERO DR FRANKLIN, MA 02038



www.cai-tech.com

This information is believed to be correct but is subject to change and is not warranted.



300 foot Abutters List Report

Franklin, MA
May 25, 2023

Parcel Number: 331-031-000
CAMA Number: 331-031-000-000
Property Address: 22 RIBERO DR

Mailing Address: GEDMAN KRISTOPHER & JENNIFER TRS
GEDMAN LIVING TRUST
22 RIBERO DR
FRANKLIN, MA 02038

Parcel Number: 331-032-000
CAMA Number: 331-032-000-000
Property Address: 26 RIBERO DR

Mailing Address: COLVARIO RICHARD J COLVARIO
KATHRYN
26 RIBERO DR
FRANKLIN, MA 02038-3164

Parcel Number: 331-034-000
CAMA Number: 331-034-000-000
Property Address: UPPER UNION ST

Mailing Address: FRANKLIN TOWN OF
355 EAST CENTRAL STREET
FRANKLIN, MA 02038

Parcel Number: 331-035-000
CAMA Number: 331-035-000-000
Property Address: 15 RIBERO DR

Mailing Address: TRUENOW MATTHEW D TRUENOW ANN
MARIE
15 RIBERO DR
FRANKLIN, MA 02038



www.cai-tech.com

This information is believed to be correct but is subject to change and is not warranted.

5/25/2023

Page 3 of 3

Town of Franklin Conservation Commission

NOTIFICATION TO ABUTTERS

**Under the Massachusetts Wetlands Protection Act
And
The Franklin Wetlands Protection Bylaw**

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following proposed project:

Atlantic Design Engineers, Inc. has filed a Notice of Intent with the Franklin Conservation Commission for the Upper Union Street Solar Project on June 20, 2023, under the Wetlands Protection Act (M.G.L. c.131 §40).

Copies of the Notice of Intent may be examined during regular office hours at Atlantic Design Engineers, Inc., 39 Pleasant St., Sagamore, MA 02561 (8 a.m. - 5 p.m., Monday through Friday).

Copies may also be examined by contacting the Franklin Conservation Department located at 355 East Central Street, Franklin, MA, (508) 520-4929.

Notice of the public hearing including the date, time, and place will be published at least five (5) days in advance in the Milford Daily News.

Notice of the public hearing including the date, time, and place will be posted in the Franklin Town Hall at least forty eight (48) hours in advance of the public hearing.

The public hearing will be held on Thursday, July 27, 2023, at 7:00 pm at the Town Council Chambers, located on the Second Floor of the Municipal Building on 355 East Central Street. The meeting is also available via Zoom, and can be accessed through the Conservation Commission agenda for that night, which will be posted on the Town's website 48 hours prior to the meeting. Please call the Conservation Department at (508) 520-4929 if you have any questions.

You may also contact the Massachusetts Department of Environmental Protection, Central Regional Office, Worcester, MA at (508) 792-7650.

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 Adult Signature Restricted Delivery \$0.00

Postage \$0.63
 Total Postage \$4.78

331-035-000 06/27/2023
 TRUENOW MATTHEW D
 TRUENOW ANN MARIE
 15 RIBERO DR
 FRANKLIN, MA 02038

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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331-034-000 06/27/2023
 FRANKLIN TOWN OF
 355 EAST CENTRAL ST
 FRANKLIN, MA 02038

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Postage \$0.63
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331-032-000 06/27/2023
 COLVARIO RICHARD J
 COLVARIO KATHRYN
 26 RIBERO DR
 FRANKLIN, MA 02038-3164

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Postage \$0.63
 Total Postage \$4.78

331-031-000 06/27/2023
 GEDMAN KRISTOPHER &
 JENNIFER GEDMAN LIVING TR
 22 RIBERO DR
 FRANKLIN, MA 02038

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331-030-000 06/27/2023
 TAYLOR AMIE S & MICHAEL C
 AMIE S TAYLOR REVO TR
 18 RIBERO DR
 FRANKLIN, MA 02038

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 Adult Signature Restricted Delivery \$0.00

Postage \$0.63
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331-029-000 06/27/2023
 J COLELLA & SON INC &
 JC BLDR
 P.O. BOX 454
 FRANKLIN, MA 02038

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 Adult Signature Restricted Delivery \$0.00

Postage \$0.63
 Total Postage \$4.78

330-026-000 06/27/2023
 PISANI ANA I TR
 ANA I PISANI INVEST. TRUST
 867 UPPER UNION ST
 FRANKLIN, MA 02038

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 Total Postage \$4.78

330-025-000 06/27/2023
 BYKOVA KSENIA
 MATVEEV VADIM
 871 UPPER UNION ST
 FRANKLIN, MA 02038

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330-022-000 06/27/2023
 COLELLA JAMES M
 COLELLA CAROL
 873 UPPER UNION ST
 FRANKLIN, MA 02038

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 Adult Signature Restricted Delivery \$0.00

Postage \$0.63
 Total Postage \$4.78

330-008-000 06/27/2023
 CARMIGNANI JEFFREY V
 874 UPPER UNION ST
 FRANKLIN, MA 02038

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Postage \$0.63
 Total Postage \$4.78

330-007-000 06/27/2023
 PETIT ARTHUR A
 PETIT CHRISTINE E
 1 RIBERO DR
 FRANKLIN, MA 02038

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330-006-000 06/27/2023
 CATAEDO MICHAEL P
 CATALDO AMY F
 7 RIBERO DR
 FRANKLIN, MA 02038

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Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total P \$4.78

Sent To 330-005-000 06/27/2023

VALUTKEVICH STEPHEN J

Sent To VALUTKEVICH ERIN

Street 11 RIBERO DR

City, State FRANKLIN, MA 02038

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Sent To 330-004-000 06/27/2023

GIESE RICHARD B

Sent To GIESE NANCY J

Street 14 RIBERO DR

City, State FRANKLIN, MA 02038

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Sent To 330-003-000 06/27/2023

DECECCO SCOTT & THOMAS

Sent To PATRICIA DOUGHERTY

Street 10 RIBERO DR

City, State FRANKLIN, MA 02038

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Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total P \$4.78

Sent To 330-002-000 06/27/2023

WONG MICHAEL

Sent To WONG BONA D

Street 6 RIBERO DR

City, State FRANKLIN, MA 02038

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Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total Post \$4.78

Sent To 330-001-000 06/27/2023

BATRA KAPIL

Sent To BATRA SUMAN P

Street 2 RIBERO DR

City, State FRANKLIN, MA 02038

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Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total Post \$4.78

Sent To 319-012-000 06/27/2023

TABON REALTY LLC

Sent To 10 DISCOVERY WAY

Street FRANKLIN, MA 02038

City, State

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total \$4.78

Sent To 319-011-000 06/27/2023

DONOVAN JOSEPH E

Sent To WHEELER SARAH

Street 863 UPPER UNION ST

City, State FRANKLIN, MA 02038

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Franklin, MA 02038

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Extra Services & Fees (check box, add fee as appropriate)

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Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total \$4.78

Sent To 319-010-000 06/27/2023

PISANI ANTHONY J

Sent To PISANI ANA I

Street 867 UPPER UNION ST

City, State FRANKLIN, MA 02038

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Cambridge, MA 02139

OFFICIAL USE

Certified Mail Fee \$4.15 \$3.35 0563 49

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$0.00

Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total \$4.78

Sent To 319-008-000 06/27/2023

FORTE DARIEN

Sent To 299 WASHINGTON ST APT 1

Street CAMBRIDGE, MA 02139

City, State

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Franklin, MA 02038

OFFICIAL USE

Certified Mail Fee \$4.15 \$3.35 0563 49

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$0.00

Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total P \$4.78

Sent To 319-006-000 06/27/2023

MBBT LLC

Sent To P.O. BOX 35

Street FRANKLIN, MA 02038

City, State

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Certified Mail Fee \$4.15 \$3.35 0563 49

Extra Services & Fees (check box, add fee as appropriate)

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Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total P \$4.78

Sent To 319-005-000 06/27/2023

HENRY HAROLD T JR

Sent To HENRY SHOUA

Street 860 UPPER UNION ST

City, State FRANKLIN, MA 02038

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Waltham, MA 02454

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Extra Services & Fees (check box, add fee as appropriate)

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Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total P \$4.78

Sent To 319-004-000 06/27/2023

NEW ENGLAND POWER CO

Sent To PROPERTY TAX DEPT

Street 40 SYLVAN RD

City, State WALTHAM, MA 02451-2286

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 2290 0000 9434 9668

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Littleton, CO 80129

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Extra Services & Fees (check box, add fee as appropriate)	\$3.25	49
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
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City Highlands Rance, CO 80129

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FRANKLIN TOWN OF

City Franklin, MA 02038

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<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	

Postage \$0.63

Total \$8.17

Sent 06/27/2023

Street 319-009-000
COLELLA JOHN C SR

City Colella John C Jr
P.O. BOX 454
FRANKLIN, MA 02038

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

AFFIDAVIT OF SERVICE

&

PROPERTY ACCESS SIGNATURE FORM

Town of Franklin Conservation Commission

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

(To be submitted to the Massachusetts Department of Environmental Protection and the Franklin Conservation Commission when filing a Notice of Intent)

I, Richard Tabaczynski, PE hereby certify under the pains and penalties of perjury that on June 27, 2023, I gave Notification to Abutters in compliance with second paragraph of Massachusetts General Laws Chapter 131, Section 40 in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by VS Union Solar Smart, LLC with the Franklin Conservation Commission on June 27, 2023 for property located on 0 Upper Union Street (Map 319 Parcel 009), Franklin, MA.

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



Signature

7/6/2023

Date

Town of Franklin Conservation Commission

PROPERTY ACCESS SIGNATURE FORM

I hereby request that the Franklin Conservation Commission review this NOI/RDA/ANRAD application. I (we) grant authority to the Franklin Conservation Commission members and agents to go onto my (our) property solely for purposes directly related to the inspection and approval of this application and for follow-up compliance with the permit conditions.

John Curly
Signature of Property Owner

6/15/23
Date

BUFFER ZONE MITIGATION PLAN

&

VERNAL POOL EVALUATION



Buffer Zone Mitigation Plan
for
1056 Upper Union Street
Franklin MA, 02038
Map 319, Lot 9

ADDRESSED TO:

Franklin Conservation Commission
Franklin Municipal Building
355 E Central Street
Franklin, MA 02038

PREPARED FOR:

Atlantic Design Engineers, Inc.
39 Pleasant Street
Sagamore, MA 02561

PREPARED BY:

Goddard Consulting, LLC
291 Main Street, Suite 8
Northborough, MA 01532

June 27, 2023

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- A. Existing Conditions**
- B. Proposed Conditions**
- C. General Installation Procedure**
- D. Planting Plan**
- E. Conclusion**

A. EXISTING CONDITIONS:

The subject parcel is a primarily natural area located at 1056 Upper Union Street Franklin MA (Map 319, Lot 9). The lot comprises approximately 6.21 acres and consists of natural wooded area with a maintained power line easement running through its center. A bordering vegetated wetland (BVW) system with an internal intermittent stream is present in the southeastern corner of the parcel. There is also a locally jurisdictional isolated vegetated wetland (IVW) slightly to the northwest of the BVW system onsite.

B. PROPOSED CONDITIONS:

The proposed project consists of the installation of a solar farm in the northeastern portion of the parcel, and associated access road and utilities. The access road is proposed in the small gap between the BVW and IVW onsite and will impact approximately 308 square feet of the 25' No Disturb Zone associated with this BVW near the parcel's eastern boundary. As mitigation for this disturbance, 617 square feet of mitigation (2:1 ratio) is proposed within the 100-foot buffer zone to the BVW onsite. This mitigation area will be located in the area of a footpath that is devoid of vegetation. This area was selected because it is the only area within the buffer zone that is not already vegetated with native species. Plant quantities were determined based on MassDEP plant spacing guidelines.



Figure 1: View of footpath to be restored as mitigation.

C. GENERAL INSTALLATION PROCEDURES:

Supervision: All work within the mitigation area shall be supervised by a qualified wetland scientist with a minimum of five years' experience. Wetland scientist shall submit qualification for approval by the Conservation Commission prior to the commencement of work that requires supervision. The supervisor shall submit monitoring reports to the Conservation Commission as described below. Reports shall contain details of all work performed and photographs of completed conditions.

Timing: The installation of the plantings should be accomplished during the spring or fall growing seasons (between April 16 and May 31 or between September 16 and October 30).

Step 1: Identify Shrubs, Woody Debris, and Boulders to be re-used in Enhancement Area

The wetland scientist shall identify and flag any native wetland shrubs within the enhancement area that are to remain in place in the enhancement area. Trees that lie or stand along the edge of the enhancement area may be preserved at the discretion of the wetland scientist. Woody debris and boulders to be removed from the work area will be moved to the mitigation area to provide additional habitat features.

Step 2: Loaming and Planting

Loam will be spread over the enhancement area. Soils will be spread by hand raking only. Plantings will be installed according to the plan and immediately seeded with New England Wetland Plants Conservation Mix to stabilize the soils. Precise siting of plants may be determined by the wetland scientist in the field prior to installation. All plantings (reference the planting list from section C) shall be distributed randomly throughout the area; shrubs spaced at 8' on center. All plantings will be removed from burlap sacks, wire cages and plastic containers prior to planting. Each plant will have its roots loosened prior to planting to encourage root growth away from the planting bulb. Leaf litter shall be spread throughout area if available. Conservation seed mix shall be scattered evenly by hand throughout the enhancement area.

Step 3: Monitoring

a. **Seasonal monitoring reports** shall be prepared for the enhancement area by a qualified wetland scientist for a period of 2 additional years after installation or every year until a COC is issued by the Franklin Conservation Commission. This monitoring program will consist of early summer and early fall inspections and will include photographs and details about the vitality of the enhancement area. Monitoring reports shall be submitted to the Commission by November 15th of each year. Monitoring reports shall describe, using narratives, plans, and color photographs, the physical characteristics of the enhancement area with respect to stability, survival of vegetation and plant mortality, aerial extent and distribution, species diversity and vertical stratification (i.e. herb, shrub and tree layers).

b. **At least 75% of the surface area** of the enhancement area shall be re-established with indigenous plant species within two growing seasons. If the enhancement area does not meet the 75% re-vegetation requirement by the end of the second growing season after installation, the Applicant shall submit a remediation plan to the Commission for approval that will achieve enhancement goals, under the supervision of a Wetland Specialist. This plan must include an analysis of why the areas have not successfully re-vegetated and how the Applicant intends to resolve the problem.

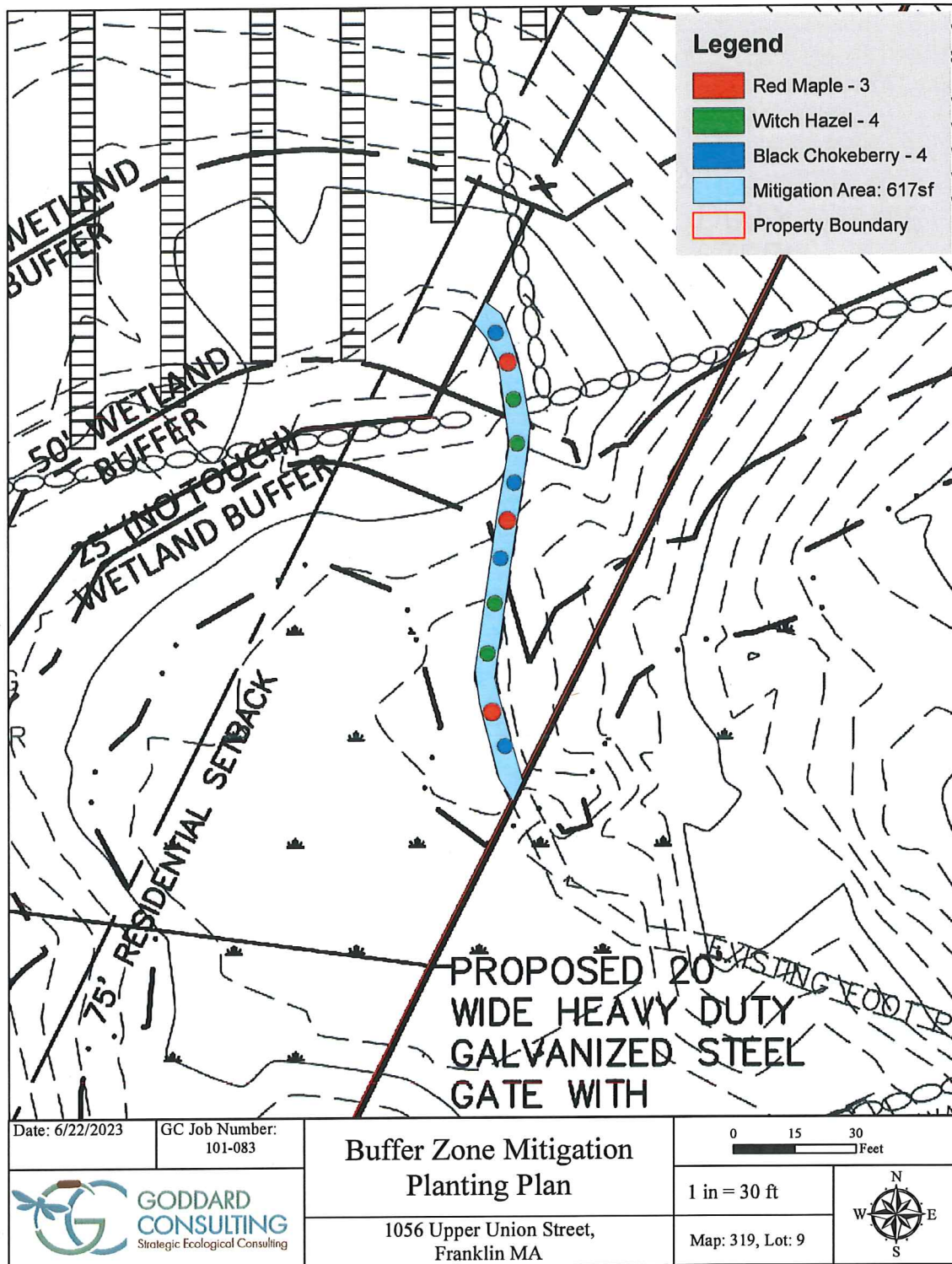


Figure 2: Site plan excerpt showing proposed planting plan overlay.

D. PLANTING LIST:

Proposed Plantings for Buffer Zone Mitigation Area (617 s.f.)

Common Name	Scientific Name	Indicator Status	Number	Size
Shrubs/Trees (n=11)*				
Red Maple	<i>Acer rubrum</i>	FAC	3	2-3'
Witch Hazel	<i>Hammamelis virginiana</i>	FACU	4	1-2 gal. pot
Black Chokeberry	<i>Aronia melanocarpa</i>	FAC	4	1-2 gal. pot
Seed Mix				
New England Wetland Plants Conservation/Wildlife Seed Mix or equivalent	Various	FACW, FAC, FACU, UPL	1	0.5 pounds

*Planting species and seed mixes may be substituted with Conservation Commission approval with similar native species with the same wetland indicator status if certain species are unavailable.

E. CONCLUSIONS

The proposed mitigation area will revegetate a currently unvegetated area twice the size of the proposed impacts to the 25' No Disturb Zone. The mitigation plantings will provide wildlife value in the form of added habitat as well as providing a food source. All local, state and federal statutory interests and performance standards have been protected and will be met by the project, as described above.

Sincerely,
Goddard Consulting, LLC



Chris Frattaroli
Wetland Scientist



June 22, 2023

Asa Smith
Atlantic Design Engineers, Inc.
39 Pleasant Street
Sagamore, MA 02561

Re: Results of Evaluation for Vernal Pool Characteristics
1056 Upper Union Street, Franklin MA (Map 319, Lot 9)

Dear Mr. Smith,

Goddard Consulting, LLC performed a site inspection on June 22, 2023, to inspect the isolated vegetated wetland (IVW) feature located at the undeveloped lot at 1056 Upper Union Street, Franklin MA. The IVW was initially flagged with wetland flags GCB1-26 by Goddard in April of 2023. According to MassGIS data layers, this IVW is not mapped as a potential vernal pool; however, the site was revisited as a precaution to determine if this IVW meets any criteria for vernal pool certification.

As visible in the photos attached to this letter, little to no standing water was observed at the time of this inspection. Protected obligate vernal pool species such as wood frogs and spotted salamanders require standing water to breed. No egg masses, tadpoles, or adult individuals were observed within the IVW. Some leaf staining was observed, which indicates that this feature may hold between 1-3" of water for part of the year; however, this minimal ponding is considered insufficient to support obligate vernal pool species. It is the opinion of Goddard Consulting that the Isolated Vegetated Wetland feature does not provide the necessary conditions for functionality as a vernal pool.

Please feel free to contact me if you have any questions.

Sincerely,
Goddard Consulting, LLC

Chris Frattaroli
Wetland Scientist

SITE PHOTOS

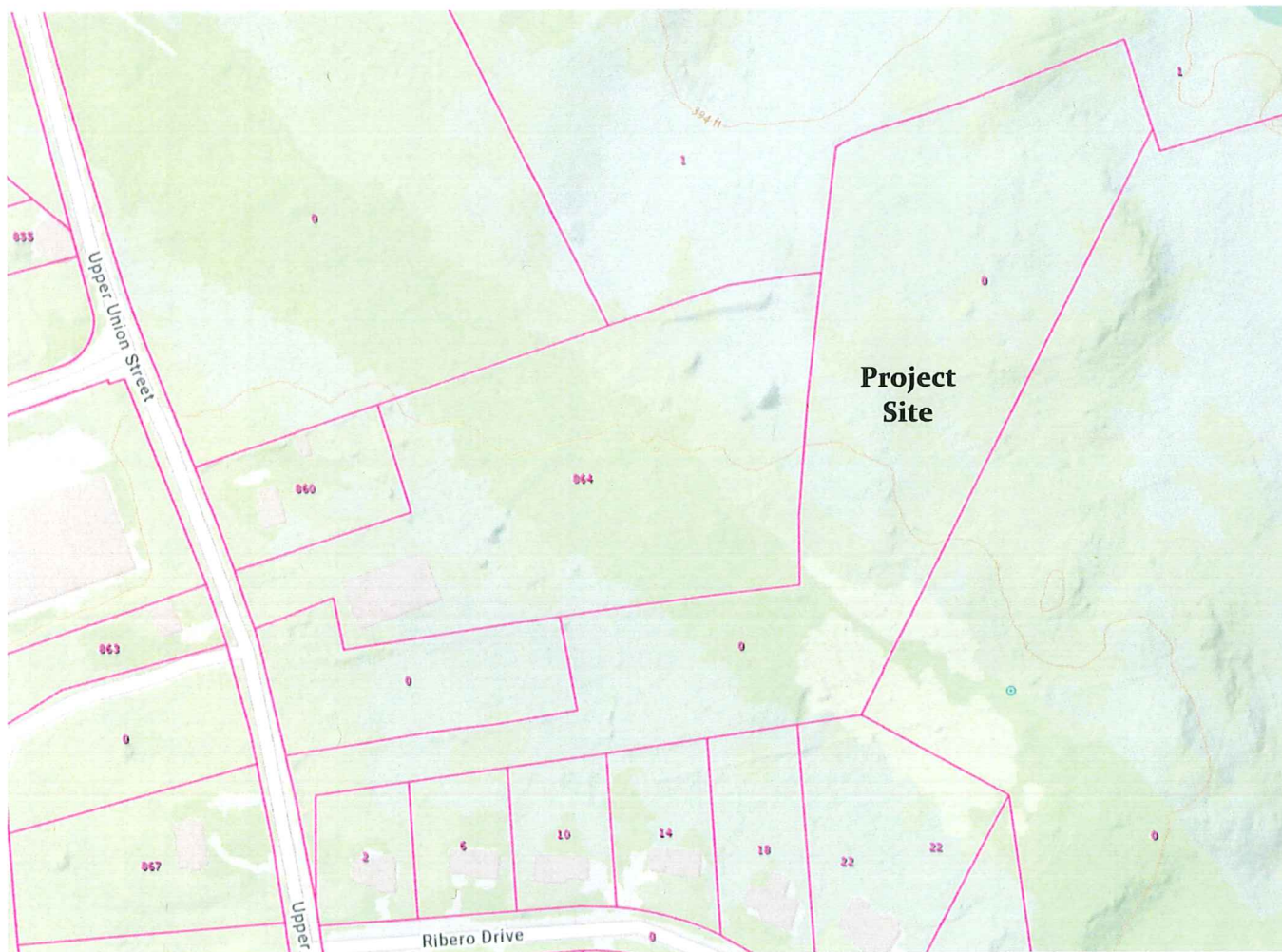


Photo 1. MassGIS data layers for certified vernal pools, potential vernal pools, Priority Habitat for Rare Species, and Estimated Habitat of Rare Wildlife (none mapped on site).



Photo 2. View of B-series IVW showing about 1" of surface water.



Photo 3. View of B-series IVW with no surface water.