

Wetland Border Report

Site Locus: 1393 Grafton Street/0 McAvey Way, Worcester MA

Prepared for: McAvey Realty LLC

Prepared by: Goddard Consulting LLC, 291 Main St, Suite 8, Northborough MA 01532

Date: 11/22/2023

INTRODUCTION

On November 21, 2023, wetland resources were delineated for McAvey Realty LLC on land located on or near 1393 Grafton Street and 0 McAvey Way, Worcester 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. Hydric soil indicators, vegetation changes, hydrological indicators, and topography were all considered for delineation purposes. At the time of writing, this site is currently under an enforcement order issued by the Worcester Conservation Commission (CC-EO-2023-003).

The titles of attached documents are as follows:

- DEP Bordering Vegetated Wetland Determination Form
- Orthophoto of Locus Site, Goddard Consulting LLC, 11/13/2023
- 2019 Orthophoto of Locus Site, Goddard Consulting LLC, 11/22/2023
- Orthophoto with NRCS Soil Survey, Goddard Consulting LLC, 11/13/2023
- Orthophoto with DEP Mapped Wetlands, Goddard Consulting LLC, 11/13/2023
- Orthophoto with NHESP Mapping, Goddard Consulting LLC, 11/13/2023
- USGS of Locus Site, Goddard Consulting LLC, 11/13/2023

SUMMARY OF FINDINGS

The boundary of the Bordering Vegetated Wetland (BVW) onsite was delineated with flag series GCA1-GCA14. The sampling point for the BVW determination took place near flag GCA7. Vegetation upgradient of the BVW consists of red oak, eastern cottonwood, shagbark hickory, common buckthorn, garlic mustard, wood aster, whorled yellow loosestrife and poison ivy. Vegetation downgradient of the BVW consists of eastern cottonwood, buttonbush, common buckthorn, silky dogwood and river grape.

Soils identified on the property include sandy loams. In the wetland soil sample, muck with matrix color 10YR2/1 was found from 0-3", and sandy loam (10YR4/1) was found from 3-12". In the upland soil sample, fine sandy loam (10YR2/2) was found from 0-3", and sandy loam (10YR4/4) was found from 3-12". A restrictive layer of rock was encountered at 12" in both sample locations. More detailed information about soils is included in the attached NRCS Soil Map and the DEP Bordering Vegetated Wetland Determination Forms.

According to the MassGIS data layers for the Natural Heritage & Endangered Species Program (NHESP), the locus 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 an Outstanding Resource Waters Area (ORW). The site does not fall within a jurisdictional FEMA Flood Zone. A potential vernal pool is mapped just offsite to the east.

The MA Wetlands Protection Act and the City of Worcester take jurisdiction over Bordering Vegetated Wetlands (BVW). The BVW onsite has a jurisdictional 100-foot Buffer Zone that casts onto the locus site. The City of Worcester also regulates a 15-foot "No Touch" Buffer Zone and a 30-foot "No Build" Buffer Zone.

Any work within these resource areas including the 100-foot Buffer Zones requires a Request for Determination (RDA) or Notice of Intent (NOI) to be filed with the Worcester Conservation Commission.

RECEIVED

By Mattie VandenBoom at 1:24 pm, Jul 23, 2024

DESCRIPTION OF REGULATED INLAND RESOURCE AREA

The table below provides the regulatory jurisdiction, flag numbers/colors, and wetland types and locations for the resource areas delineated.

Resource Area	Regulatory Jurisdiction	Flag Numbers and Color	Wetland Types and Locations
Bordering Vegetated Wetland (BVW)	BVW & 100-foot Buffer Zone	GCA1-GCA14 (Blue flags)	The boundary of BVW at the rear of the landscape yard on the locus site.

SUMMARY OF IMPACTS

Unpermitted work conducted in the 100-foot Buffer Zone (jurisdictional under the MA Wetlands Protection Act and the Worcester Wetlands Protection Ordinance) consists of excavation and removal of vegetation. The landscape yard currently in use at 0 McAvey Way has been created by clearing most of the site of vegetation and substantial grading. Grading activities appear to have consisted of almost entirely cut, which has resulted in the creation of a 3-6' berm at the rear of the landscape yard, between the cleared area and the wetland resource.

SITE PHOTOS



Photo 1. View of impacted buffer zone (facing southwest). Landscape yard visible at right, and wetland visible at left.



Photo 2. View of impacted buffer zone (facing northeast). Berm between landscape yard and wetland visible at center.



Photo 3. View of wetland edge.



Photo 4. Wetland soil pulled downgradient of flag GCA7.

Sincerely,
Goddard Consulting, LLC



Chris Frattaroli
Wetland Scientist

BORDERING VEGETATED WETLAND DETERMINATION FORM

Project/Site: 1393 Grafton St/0 McAvey Way City/Town: Worcester Sampling Date: 11/21/23
 Applicant/Owner: McAvey Realty, LLC Sampling Point or Zone: GCA7
 Investigator(s): Chris Frattaroli Latitude/Longitude: 42.23504854061336, -71.74616147957015
 Soil Map Unit Name: Udorthents smoothed, Freetown muck NWI or DEP Classification: Deep marsh

UPGRADIENT

Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks)
 Are Vegetation X , Soil , or Hydrology significantly disturbed? (If yes, explain in Remarks)
 Are Vegetation , Soil , or Hydrology naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc

Wetland vegetation criterion met?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X
Hydric Soils criterion met?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X			
Wetlands hydrology present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X			

Remarks, Photo Details, Flagging, etc.:

Partial clearing of upland areas, however most vegetation still identifiable

HYDROLOGY

Field Observations:			
Surface Water Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X	Depth (in)
Water Table Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X	Depth (in)
Saturation Present (including capillary fringe)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> X	Depth (in)

Wetland Hydrology Indicators		
Reliable Indicators of Wetlands Hydrology	Indicators that can be Reliable with Proper Interpretation	Indicators of the Influence of Water
<input type="checkbox"/> Water-stained leaves	<input type="checkbox"/> Hydrological records	<input type="checkbox"/> Direct observation of inundation
<input type="checkbox"/> Evidence of aquatic fauna	<input type="checkbox"/> Free water in a soil test hole	<input type="checkbox"/> Drainage patterns
<input type="checkbox"/> Iron deposits	<input type="checkbox"/> Saturated soil	<input type="checkbox"/> Drift lines
<input type="checkbox"/> Algal mats or crusts	<input type="checkbox"/> Water marks	<input type="checkbox"/> Scoured areas
<input type="checkbox"/> Oxidized rhizospheres/pore linings	<input type="checkbox"/> Moss trim lines	<input type="checkbox"/> Sediment deposits
<input type="checkbox"/> Thin muck surfaces	<input type="checkbox"/> Presence of reduced iron	<input type="checkbox"/> Surface soil cracks
<input type="checkbox"/> Plants with air-filled tissue (aerenchyma)	<input type="checkbox"/> Woody plants with adventitious roots	<input type="checkbox"/> Sparsely vegetated concave surface
<input type="checkbox"/> Plants with polymorphic leaves	<input type="checkbox"/> Trees with shallow root systems	<input type="checkbox"/> Microtopographic relief
<input type="checkbox"/> Plants with floating leaves	<input type="checkbox"/> Woody plants with enlarged lenticels	<input type="checkbox"/> Geographic position (depression, toe of slope, fringing lowland)
<input type="checkbox"/> Hydrogen sulfide odor		

Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

VEGETATION – Use both common and scientific names of plants.

Tree Stratum Plot size 30'

	Common Name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	% Dominant
1	Red Oak	Quercus rubra	FACU	38.0%	X		48.1%
2	Eastern Cottonwood	Populus deltoides	FAC	20.5%	X	X	25.9%
3	Shagbark Hickory	Carya ovata	FACU	20.5%	X		25.9%
4							
5							
6							
7							
8							
9							

79.0% =Total Cover

Shrub/Sapling Stratum Plot size 15'

	Common Name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	% Dominant
1	Common Buckthorn	Rhamnus cathartica	FAC	10.5%	X	X	100.0%
2							
3							
4							
5							
6							
7							
8							
9							

10.5% =Total Cover

Herb Stratum Plot size 5'

	Common Name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	% Dominant
1	Garlic-Mustard	Alliaria petiolata	FACU	20.5%	X		43.6%
2	White Wood Aster	Aster divaricatus	UPL	20.5%	X		43.6%
3	Whorled Yellow-Loosestrife	Lysimachia quadrifolia	FACU	3.0%			6.4%
4	Green brier	Smilax rotundifolia	FAC	3.0%		X	6.4%
5							
6							
7							
8							
9							
10							
11							
12							

47.0% =Total Cover

VEGETATION – continued.

Woody Vine Stratum Plot size 30'							
	Common Name	Scientific name	Indicator Status	Absolute % Cover	Dominant? (yes/no)	Wetland Indicator? (yes/no)	% Dominant
1	Eastern Poison Ivy	Toxicodendron radicans	FAC	20.5%	X	X	100.0%
2							
3							
4							
				20.5%	=Total Cover		

Rapid Test:	Do all dominant species have an indicator status of OBL or FACW?			Yes	No	X
Dominance Test:	Number of dominant species	Number of dominant species that are wetland indicator plants		Do wetland indicator plants make up ≥ 50% of dominant plant species?		
	7	3		Yes	No	X
Prevalence Index:		Total % Cover (all strata)	Multiply by:	Result		
	OBL species	0%	x1	=	0%	
	FACW species	0%	x2	=	0%	
	FAC species	55%	x3	=	164%	
	FACU species	82%	x4	=	328%	
	UPL species	21%	x5	=	103%	
	Column Totals (A)	157%		(B)	594%	
	Prevalence Index	B/A=	3.78	Is the Prevalence Index ≤ 3.0?		
				Yes	No	X
Wetland vegetation criterion met?	Yes	No	X			

Definitions of Vegetation Strata

- Tree Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height
- Shrub/Sapling Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall
- Herb All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall
- Woody vines All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.00%
6-15 %	10.50%
15-25 %	20.50%
26-50 %	38.00%
51-75 %	63.00%
76-95 %	85.50%
96-100 %	98.00%

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)							
Depth (inches)	Matrix		Redox Features			Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹		
0-3	10YR2/2	100				FSL	
3-12	10YR4/4	100				SL	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains ² Location: PL=Pore Lining, M=Matrix							
Hydric Soil Indicators (Check all that apply)				Indicators for Problematic Hydric Soils			
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)					
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)					
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Polyvalue Below Surface (S8)	<input type="checkbox"/> Dark Surface (S7)					
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Thin Dark Surface (S9)	<input type="checkbox"/> Polyvalue Below Surface (S8)					
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Thin Dark Surface (S9)					
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Iron-Manganese Masses (F12)					
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Mesic Spodic (A17)					
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Dark Surface (F7)	<input type="checkbox"/> Red Parent Material (F21)					
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Depleted Dark Surface (F8)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)					
<input type="checkbox"/> Dark Surface (S7)		<input type="checkbox"/> Other (Include Explanation in Remarks)					
Restrictive Layer (if observed)	Type: rock	Depth (inches):					12
Remarks							
Hydric Soils criterion met? Yes No X							

DOWNGRADIENT

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks)

Are Vegetation , Soil , or Hydrology significantly disturbed? (If yes, explain in Remarks)

Are Vegetation , Soil , or Hydrology naturally problematic? (If yes, explain in Remarks)

SUMMARY OF FINDINGS – Attach site map and photograph log showing sampling locations, transects, etc

Wetland vegetation criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soils criterion met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wetlands hydrology present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks, Photo Details, Flagging, etc.:					

HYDROLOGY

Field Observations:					
Surface Water Present?	Yes	<input checked="" type="checkbox"/>	No	Depth (in)	0
Water Table Present?	Yes	<input checked="" type="checkbox"/>	No	Depth (in)	6
Saturation Present (including capillary fringe)?	Yes	<input checked="" type="checkbox"/>	No	Depth (in)	0
Wetland Hydrology Indicators					
Reliable Indicators of Wetlands	Indicators that can be Reliable with		Indicators of the Influence of Water		
<input checked="" type="checkbox"/> Water-stained leaves	<input type="checkbox"/> Hydrological records		<input checked="" type="checkbox"/>	Direct observation of inundation	
<input type="checkbox"/> Evidence of aquatic fauna	<input checked="" type="checkbox"/> Free water in a soil test hole		<input type="checkbox"/>	Drainage patterns	
<input type="checkbox"/> Iron deposits	<input checked="" type="checkbox"/> Saturated soil		<input type="checkbox"/>	Drift lines	
<input type="checkbox"/> Algal mats or crusts	<input type="checkbox"/> Water marks		<input type="checkbox"/>	Scoured areas	
<input type="checkbox"/> Oxidized rhizospheres/pore linings	<input type="checkbox"/> Moss trim lines		<input type="checkbox"/>	Sediment deposits	
<input type="checkbox"/> Thin muck surfaces	<input type="checkbox"/> Presence of reduced iron		<input type="checkbox"/>	Surface soil cracks	
<input type="checkbox"/> Plants with air-filled tissue (aerenchyma)	<input type="checkbox"/> Woody plants with adventitious roots		<input checked="" type="checkbox"/>	Sparsely vegetated concave surface	
<input type="checkbox"/> Plants with polymorphic leaves	<input checked="" type="checkbox"/> Trees with shallow root systems		<input type="checkbox"/>	Microtopographic relief	
<input type="checkbox"/> Plants with floating leaves	<input type="checkbox"/> Woody plants with enlarged lenticels		<input checked="" type="checkbox"/>	Geographic position (depression, toe of slope, fringing lowland)	
<input type="checkbox"/> Hydrogen sulfide odor					
Remarks (describe recorded data from stream gauge, monitoring well, aerial photos, previous inspections, if available):					

This form is only for BVW delineations. Other wetland resource areas may be present and should be delineated according to the applicable regulatory provisions.

Sampling Point GCA7

VEGETATION – Use both common and scientific names of plants.

Tree Stratum Plot size 30'

	Common Name	Scientific name	Indicator	Absolute %	Dominant?	Wetland Indicator?	% Dominant
1	Eastern Cottonwood	Populus deltoides	FAC	20.5%	X	X	100.0%
2							
3							
4							
5							
6							
7							
8							
9							

20.5% =Total Cover

Shrub/Sapling Stratum Plot size 15'

	Common Name	Scientific name	Indicator	Absolute %	Dominant?	Wetland Indicator?	% Dominant
1	Buttonbush	Cephalanthus occidentalis	OBL	20.5%	X	X	39.8%
2	Common Buckthorn	Rhamnus cathartica	FAC	20.5%	X	X	39.8%
3	Silky Dogwood	Cornus amomum	FACW	10.5%	X	X	20.4%
4							
5							
6							
7							
8							
9							

51.5% =Total Cover

Herb Stratum Plot size 5'

	Common Name	Scientific name	Indicator	Absolute %	Dominant?	Wetland Indicator?	% Dominant
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

0.0% =Total Cover

VEGETATION – continued.

Woody Vine Stratum		Plot size <u>30'</u>					
	Common Name	Scientific name	Indicator	Absolute %	Dominant?	Wetland Indicator?	% Dominant
1	River Bank Grape	Vitis riparia	FACW	38.0%	X	X	100.0%
2							
3							
4							
				38.0%	=Total Cover		

Rapid Test:		Do all dominant species have an indicator status of OBL or FACW?		Yes	X	No	
Dominance Test:	Number of dominant species	Number of dominant species that are		Do wetland indicator plants make			
	5	5		Yes	X	No	
Prevalence Index:		Total % Cover	Multiply by:	Result			
	OBL species	21%	x1	=	21%		
	FACW species	49%	x2	=	97%		
	FAC species	41%	x3	=	123%		
	FACU species	0%	x4	=	0%		
	UPL species	0%	x5	=	0%		
Column Totals (A)		110%		(B)	241%		
Prevalence Index		B/A=	2.19	Is the Prevalence Index ≤ 3.0?			
				Yes	X	No	
Wetland vegetation criterion met?		Yes	X	No			

Definitions of Vegetation Strata


- Tree Woody plants 3 in. (7.62 cm) or more in diameter at breast height (DBH), regardless of height
- Shrub/Sapling Woody plants less than 3 in. (7.62 cm) DBH and greater than or equal to 3.3 ft. (1 m) tall
- Herb All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.3 ft. (1 m) tall
- Woody vines All woody vines greater than 3.3 ft. (1 m) in height

Cover Ranges	
Range	Midpoint
1-5 %	3.00%
6-15 %	10.50%
15-25 %	20.50%
26-50 %	38.00%
51-75 %	63.00%
76-95 %	85.50%
96-100 %	98.00%

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)							
Depth (inches)	Matrix		Redox Features			Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹		
0-3	10YR2/1	100				Muck	
3-12	10YR4/1	100				SL	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains ² Location: PL=Pore Lining, M=Matrix							
Hydric Soil Indicators (Check all that apply)				Indicators for Problematic Hydric Soils			
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)			<input type="checkbox"/> 2 cm Muck (A10)			
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)			<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)			
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Polyvalue Below Surface (S8)			<input type="checkbox"/> Dark Surface (S7)			
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Thin Dark Surface (S9)			<input type="checkbox"/> Polyvalue Below Surface (S8)			
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Mucky Mineral (F1)			<input type="checkbox"/> Thin Dark Surface (S9)			
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)			<input type="checkbox"/> Iron-Manganese Masses (F12)			
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Depleted Matrix (F3)			<input type="checkbox"/> Mesic Spodic (A17)			
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Dark Surface (F7)			<input type="checkbox"/> Red Parent Material (F21)			
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Depleted Dark Surface (F8)			<input type="checkbox"/> Very Shallow Dark Surface (TF12)			
<input type="checkbox"/> Dark Surface (S7)				<input type="checkbox"/> Other (Include Explanation in Remarks)			
Restrictive Layer (if observed)	Type:			Depth (inches):			
Remarks							
Hydric Soils criterion met? Yes X No							

Legend

-  0 McAvey Way Property Boundary
-  1381 Grafton Street Property Boundary



Date: 11/13/2023

GC Job Number:
348-042

Wetland Border Report Orthophoto of Locus Site

0 McAvey Way & 1393 Grafton Street
Worcester, MA

0 30 60
Feet

1 in = 60 ft

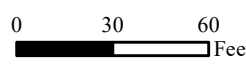

Parcel IDs:
41-028-00002
41-028-53-55



Legend

-  0 McAvey Way Property Boundary
-  1381 Grafton Street Property Boundary





Date: 11/22/2023	GC Job Number: 348-042	Wetland Border Report 2019 Orthophoto of Locus Site	
 GODDARD CONSULTING Strategic Ecological Consulting			






Legend

- 0 McAvey Way Property Boundary
- 1381 Grafton Street Property Boundary
- Soils (Polygon Outlines)

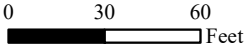



Date: 11/13/2023	GC Job Number: 348-042	Wetland Border Report Orthophoto with NRCS Soil Survey	0 30 60 Feet
 GODDARD CONSULTING Strategic Ecological Consulting		0 McAvey Way & 1393 Grafton Street Worcester, MA	1 in = 60 ft
		Parcel IDs: 41-028-00002 41-028-53-55	

Legend

-  0 McAvey Way Property Boundary
-  1381 Grafton Street Property Boundary
-  DEP Wetlands



Date: 11/13/2023	GC Job Number: 348-042	Wetland Border Report Orthophoto with DEP Mapped Wetlands		
 GODDARD CONSULTING Strategic Ecological Consulting				0 McAvey Way & 1393 Grafton Street Worcester, MA

Legend

- 0 McAvey Way Property Boundary
- 1381 Grafton Street Property Boundary
- NHESP Priority Habitats of Rare Species
- NHESP Estimated Habitats of Rare Wildlife
- * NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools

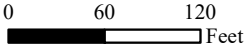



Date: 11/22/2023	GC Job Number: 348-042	Wetland Border Report Orthophoto with NHESP Mapping	<div style="display: flex; justify-content: space-between; align-items: center;"> 0 60 120 </div> <div style="text-align: center; margin-bottom: 5px;"> </div> <div style="text-align: center;">1 in = 120 ft</div>
GODDARD CONSULTING Strategic Ecological Consulting		0 McAvey Way & 1393 Grafton Street Worcester, MA	Parcel IDs: 41-028-00002 41-028-53-55

Legend

-  0 McAvey Way Property Boundary
-  1381 Grafton Street Property Boundary



Date: 11/13/2023	GC Job Number: 348-042	<h2>Wetland Border Report</h2> <h3>USGS of Locus Site</h3>	 1 in = 120 ft
			

**PLAN SHOWING EXISTING CONDITIONS
 PREPARED FOR
 MCAVEY REALTY LLC
 MCAVEY WAY
 WORCESTER, MASSACHUSETTS
 DECEMBER 20, 2024
 SCALE: 1 INCH = 50 FEET**

**JARVIS LAND SURVEY, INC
 29 GRAFTON CIRCLE
 SHREWSBURY, MA 01545
 TEL. (508) 842-8087
 FAX. (508) 842-0661
 KEVIN@JARVISLANDSURVEY.COM**

*** THE SURVEYOR RETAINS COPYRIGHT TO THE PLAN OF SURVEY, AND RE-USE OF THIS PLAN IS NOT ALLOWED WITHOUT PERMISSION FROM THE SURVEYOR.**

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE FINDINGS SUCH A REPORT MIGHT DISCLOSE.
2. **THIS PLAN HAS NOT BEEN PREPARED FOR RECORDING PURPOSES.**
3. THE LICENSED MATERIAL CONTAINS VALUABLE PROPRIETARY INFORMATION BELONGING EXCLUSIVELY TO JARVIS LAND SURVEY, INC. THE LICENSED MATERIAL AND THE INFORMATION CONTAINED THEREON ARE COPYRIGHTED INSTRUMENTS OF PROFESSIONAL SERVICES AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PROJECT OTHER THAN THAT FOR WHICH THEY WERE CREATED, WITHOUT THE EXPRESS WRITTEN CONSENT OF JARVIS LAND SURVEY, INC. **YOU AGREE NEVER TO REMOVE ANY NOTICES OF COPYRIGHT, NOR TO REPRODUCE OR MODIFY THE LICENSED MATERIAL.**

**ASSESSORS MAP 41
 BLOCK 28 LOT 2**

