GODDARD CONSULTING Strategic Wetland Permitting

October 25, 2022

D&L Design Group, Inc 115 Water Street Milford, MA 01757

Re: Wetland Border Report 153 Paxton Street, Leicester, MA

Dear D&L Design Group,

Introduction

In May of 2022 the wetland resources were delineated on land located on or near the above-listed site (refer to enclosed locus maps). The wetland border was flagged using the criteria in the most recent edition of the MA Wetland Protection Act (WPA) and Regulations 310 CMR 10.00 et al and the Town of Leicester Wetlands Protection Bylaw. Hydric soil indicators, vegetation changes, hydrological indicators, and topography were all considered for delineation purposes.

Two Bordering Vegetated Wetland systems and two Isolated Vegetated Wetlands were delineated in the field. Both Bordering Vegetated Wetland Systems capture the Bank of Sargent Pond as well as adjacent wetland areas spanning the southern portion of the property. The systems begin at the Northern portion of the property, where the natural path of water moves downgradient toward Sargent Pond. The Isolated Vegetated Wetlands are located in the Southern and Northwestern portions of the site. The chart found below in Section 2 provides a detailed breakdown of flag series and locations for the delineated wetland areas on site. These wetlands are dominant in Red Maple, Winterberry, American Beech, Cinnamon Fern, Sensitive Fern, Marsh Blue Violet, Poison Ivy, Christmas Fern, and Multiflora Rose. The adjacent uplands are dominant in Red Maple, Red Oak, American Beech, Witch Hazel, Oriental Bittersweet, Christmas Fern, Deer-Tongue Rosette Grass, and White Oak. The Bordering Vegetated Wetlands are protected under the MA Wetlands Protection Act and the local bylaw. The Town of Leicester takes jurisdiction over Isolated Vegetated Wetlands; therefore all wetland resource areas on-site are jurisdictional within the Town of Leicester.

According to the Mass GIS data layers for NHESP, this site is not located within Estimated and/or Priority Habitat of Rare Wildlife. The site is not located in an ACEC or an Outstanding Resource Water. There are no mapped potential or certified vernal pools on site. A small portion of the site along Sargent Pond is located within FEMA Flood Zone A: 1% Annual Chance of Flooding, No Base Flood Elevation (BFE). The titles of attached documents are as follows:

- DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form
- Orthophoto View of Site, Goddard Consulting, LLC, 05/04/2022
- Orthophoto View of Site with FEMA Flood Zone, Goddard Consulting, LLC, 05/04/2022
- USGS of Locus Site, Goddard Consulting, LLC, 05/04/2022

Section 1. Regulatory Framework, Implications, and Delineation Methodology

1.1 Wetlands Protection Act (WPA)

Inland resource areas were delineated in accordance with relevant federal, state, and local regulations. As stated in 310 CMR (2)(a), "Bordering Vegetated Wetlands are freshwater wetlands which border on creeks, rivers, streams, ponds and lakes. The types of freshwater wetlands are wet meadows, marshes, swamps and bogs. Bordering Vegetated Wetlands are areas where the soils are saturated and/or inundated such that they support a predominance of wetland indicator plants. The ground and surface water regime and the vegetation community which occur in each type of freshwater wetland are specified in M.G.L. c 131 sec. 40." The methodology used to delineate Bordering Vegetated Wetlands is detailed in: (1) the BVW Policy "BVW: Bordering Vegetated Wetlands Delineation Criteria and Methodology," issued March 1, 1995; and (2) "Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act: A Handbook," produced by the Massachusetts Department of Environmental Protection, dated March 1995.

1.2 Bylaw

Federal, state, and local authorities regulate wetland jurisdiction. The Town of Leicester Wetlands Protection Bylaw sets forth additional regulations claiming jurisdiction over both Bordering and Isolated Vegetated Wetlands. Additionally, The Town of Leicester regulates a 25-Foot No Disturb Zone in addition to the 100-Foot Buffer Zone from Wetland Resource Areas.

Chapter 14, Section II. Jurisdiction

"Except as permitted by the Conservation Commission no person shall commence to remove, fill, dredge, build upon, degrade, discharge into, or otherwise alter the following resource areas: any freshwater wetlands, marshes, wet meadows, bogs, swamps, vernal pools, springs, banks, reservoirs, lakes, ponds of any size, beaches, dunes, estuaries, and lands under water bodies; intermittent streams, brooks and creeks; lands adjoining these resource areas out to a distance of 100 feet, known as the buffer zone; perennial rivers, streams, brooks and creeks; lands adjoining these resource areas out to a distance of 200 feet, known as the riverfront area; lands subject to flooding or inundation by groundwater or surface water; and lands subject to flooding (collectively the "resource areas protected by this bylaw"). Said resource areas shall be protected whether or not they border surface waters."

Leicester Wetland Regulations, Section III. 25-Foot "No Disturb Zone"

"The minimum strip of continuous undisturbed vegetative cover for any and all resource areas (as defined in these regulations) is 25 feet from the outermost edge of the protected resource area in all directions. For example, a stream will have a minimum 50-foot corridor, plus the actual width of the stream based on the mean annual highwater mark. The 25-foot buffer is to be considered a "No Disturb Zone" and a "No Build Zone". The minimum distance for a new structure will be 25 feet from any resource area. For structures existing within the 25-foot buffer, which are not being removed but for which the footprint is changing, any increase in footprint must take place at the greatest feasible distance from the resource area."

Section 2. Description of Regulated Inland Resource Area

Bank	Bordering Vegetated Wetland
Land Under Water Bodies and Waterways	(BVW)
Riverfront Area	Land Subject to Flooding
🛛 Buffer Zone	☐ Isolated Vegetated Wetlands
Vernal Pool (Certified and/or	Estimated Habitats of Rare Wildlife
Potential)	Priority Habitats of Rare Species

The table below provides the Flag Numbers, Flag Type, and Wetland Types and Locations for the wetland resources delineated.

Riverfront	Buffer	Flag Numbers	Flag Type	Wetland Types
Area	Setback			and Locations
No	100-Foot	GC A1 – GC	[Blue Wetland	Bordering
	Buffer Zone	A189	Flags]	Vegetated Wetland
	25-Foot No			System beginning
	Disturb Zone			at the Northern tip
	(bylaw			of the site,
	jurisdiction)			travelling
				downgradient to
				Sargent Pond
No	100-Foot	GC B1 – GC	[Blue Wetland	Bordering
	Buffer Zone	B183	Flags]	Vegetated Wetland
	25-Foot No			System beginning
	Disturb Zone			at the Northern tip
	(bylaw			of the site,
	jurisdiction)			travelling
				downgradient to
				Sargent Pond

No	100-Foot Buffer Zone 25-Foot No Disturb Zone (bylaw jurisdiction)	GC C1 - GC C25	[Blue Wetland Flags]	Isolated Vegetated Wetland system located in the southern portion of the site upgradient of Sargent Pond
No	100-Foot Buffer Zone 25-Foot No Disturb Zone (bylaw jurisdiction)	GC D1 – GC D38	[Blue Wetland Flags]	Isolated Vegetated Wetland system located in the Northwestern portion of the site upgradient of Sargent Pond

2.1 Site Photos



Photo 1. Rocky Upland Hillside adjacent to BVW system



Photo 2. On-site BVW system with visible surface saturation



Photo 3. Black Histic Hydric Soil pull from BVW system



Photo 4. Upland soil matrix pulled from adjacent upland hillside

2.2 Vegetation

These wetlands are dominant in Red Maple (FAC), Winterberry (FACW), American Beech (FACU), Cinnamon Fern (FACW), Sensitive Fern (FACW), Marsh Blue Violet (OBL), Poison Ivy (FAC), Christmas Fern (FACU), and Multiflora Rose (FACU). The adjacent uplands are dominant in Red Maple (FAC), Red Oak (FACU), American Beech (FACU), Witch Hazel (FACU), Oriental Bittersweet (UPL), Christmas Fern (FACU), Deer-Tongue Rosette Grass (FACW), and White Oak (FACU).

2.3 Hydrology

The A-series and B-Series wetland systems begin at the Northern property boundary, where water is moved downgradient through the center of the site toward Sargent Pond. The C-Series isolated wetland is located at the southern portion of the site above Sargent Pond surrounded by upland forest. The D-series isolated wetland is located in the Northwest portion of the site above Sargent Pond and is additionally surrounded by upland forests. Within these wetland systems, evidence of surface water and soil saturation within the wetlands include: soil saturation at the surface, drainage patterns in BVW that indicate the presence of surface water, water-stained leaves, saturated soils, and black histic soils.

2.4 Soils

Consistent with the NRCS survey, soils identified on the property include primarily Paxton Fine Sandy Loam of varying slopes. The site is undeveloped but consists of a gravel access pull in with existing cart paths throughout the site. The site overall is extremely stony. Rocks line the surface throughout the site and ledge was reached around 14" down in both sampling plots. Upgradient of the wetland system, A and B layers indicative of an upland soil matrix were pulled in areas dominated by upland vegetation. The soil sample was observed to depths of only 14" where significant rock and gravel were reached. Downgradient of the wetland line, an organic top layer was found from 0-13 inches at soil horizon A (Black Histic Hydric Soil), which is indicative of saturated conditions. This denoted a significant change in hydrology between the upland and wetland sample plots. The presence of ledge likely prevents adequate drainage in depressional areas, leading to wetland hydrology that supports wetland vegetation and hydric soils.

2.5 Topography

Additional site information about elevation and changes in slope that inform delineation of BVW boundary points can be found in the attached topographic maps provided by the U.S. Geological Survey.

Section 3. Buffer Zone

Buffer Zone is defined in 310 CRM 10.04 as the "area of land extending 100 feet horizontally outward from the boundary of any area specified in 310 CMR 10.02(1)(a)." The Town of Leicester Wetlands Regulations set forth additional regulations alongside the Wetlands Protection Act. The Town of Leicester regulates a 25-foot No Disturb Zone from the edge of the Bordering Vegetated Wetland Systems and the Isolated Vegetated Wetland Systems on or adjacent to the site.

Section 4. Findings

Based on these hydric soil indicators, vegetation, hydrological indicators, and topography, BVW series GC A1- GC A189 and GC B1 – GC B183 were found to be the boundary of both BVW systems located on or adjacent to the associated site. GC C1 – GC C25 and GC D1 – GC D38 were found to be the boundary of both Isolated Wetlands delineated on-site.

To reiterate, this site is not located within Estimated and/or Priority Habitat of Rare Wildlife. The site is not located in an ACEC or an Outstanding Resource Water. There are no mapped potential or certified vernal pools on site. A small portion of the site along Sargent Pond is located within FEMA Flood Zone A: 1% Annual Chance of Flooding, No Base Flood Elevation (BFE).

Sincerely,

Goddard Consulting, LLC *Andrew Thibault* Andrew Thibault, WPIT, WSA *Environmental Scientist*

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form Applicant: D&L Design Group Prepared by: Goddard Consulting LLC Project location: 153 Paxton St upply: Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only Project location: 153 Paxton St v Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Section I only Method other than dominance test used (attach additional information)

DEP File #:

Check all that apply:

Section I. Vegetation	on I. Vegetation Observation Plot Number: GC A14 Transect Number: Upgradient		Date of Delineation: May of 2022		
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*
<u>Tree Laver</u> Sugar Maple	Acer saccharum	38%	55.1%	Yes	FACU
Red Maple	Acer rubrum	11%	15.2%	No	FAC*
Red Oak	Quercus rubra	21%	29.7%	Yes	FACU
<u>Sapling Layer</u>					
Sugar Maple	Acer saccharum	21%	66.1%	Yes	FACU
Eastern Hemlock	Tsuga canadensis	11%	33.9%	Yes	OBL*
Shrub Layer					
Witch Hazel	Hamamelis virginiana	21%	77.4%	Yes	FACU
Maple-Leaf Viburnum	Viburnum acerifolium	3%	11.3%	No	UPL
<u>Climbing Woody Vine</u>					
Ground Cover					
Christmas Fern	Polystichum acrostichoides	11%	30.9%	Yes	FACU
White Heath American-Aster	Symphyotrichum ericoides	3%	8.8%	No	FACU
Remarks: * An asterisk after	r common plant name indicates stunted growth; ** indicates extreme	ely stunted growth			
Morphological Adaptations: 0	Description:	plants in the genus Sphagerers	or plants listed on FAC FACW	or OBI	
Vegetation conclusion:	prants. prants listed in the wetlands Protection Act (MOL C.151, S.40);	prants in the genus sphaghum; (or praints insteu as FAC, FACW,	UI ODL.	
Number of dominant wetland indicator	plants: 1	Number of dom	inant non-wetland indi	cator plants: 6	
Is the number of dominant wetland plan	nts equal to or greater than the number of dominant a	non-wetland plants? no			

If vegetation alone is presumes 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	Other Indicators of Hydrology: (check all that apply and describe)
Hydric Soil Interpretation	Depth to free water in observation hole:
1. Soil Survey	Depth to soil saturation in observation hole:
Is there a published soil survey for this site? title/date: Soil Survey of Worcester County, Southern Part - 1998 man number: 307C	Water marks:
soil type mapped: <u>Paxton Fine Sandy Loam</u> hydric soil inclusions:	Drift Lines:
Are field observations consistent with soil survey?	Sediment deposits:
Kemarks:	Oxidized rhizoshperes:
	Water-stained leaves:
2. Soil Description Horizon Depth (inches) Matrix Color Mottles Color or Texture A 0-14" 10yr 3/2 FSL	Recorded data (stream, lake, or tidal gauge; aerial photo; other):
	Other:
	Vegetation and Hydrology Conclusion for Upgradient of GC A14
	Number of wetland indicator plants
Remarks: Rock at 14" Area is an extremely stony hill	>= number of non-wetland plants X
	Wetland hydrology present: hydric soils present X
3. Other:	other indicators of hydrology present X
	Sample location is in a BVW X
Conclusion: Is soil hydric?	Suoma was jorm wan me Request jor Determination of Applicability or Nouce of Intent

Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only Check all that apply: 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: GC A14 Transect Number: Downgradient Date of Delineation: May of 2022 **Dominant Plant** Wetland Indicator Sample Layer and Plant Species Scientific name % Cover % Dominance (ves or no) Category* Tree Layer Red Maple Acer rubrum 50.0% FAC* 11% Yes Red Oak 11% 50.0% Yes FACU Quercus rubra Sapling Layer Red Maple Acer rubrum 11% 100.0% Yes FAC* Shrub Layer Witch Hazel Hamamelis virginiana 11% 100.0% Yes FACU Climbing Woody Vine Ground Cover Cinnamon Fern Osmundastrum cinnamomeum 11% 33.9% Yes FACW* White Heath American-Aster Symphyotrichum ericoides 21% 66.1% 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: 3 Number of dominant non-wetland indicator plants: 3 Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes

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

Prepared by: Goddard Consulting LLC Applicant: D&L Design Group Project location: 153 Paxton St

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

DEP File #:

Section II. Indicators of Hydrology	Other Indicators of Hydrology: (check all that apply and describe)
Hydric Soil Interpretation	Depth to free water in observation hole:
1. Soil Survey	Depth to soil saturation in observation hole: Surface
Is there a published soil survey for this site? title/date: Soil Survey of Worcester County, Southern Part - 1998 207C	Water marks:
soil type mapped: Paxton Fine Sandy Loam hydric soil inclusions:	Drift Lines:
Are field observations consistent with soil survey?	Sediment deposits:
Remarks:	J Drainage patterns in BVW:
	Oxidized rhizoshperes:
2. Soil Description	Water-stained leaves:
Horizon Depth (inches) Matrix Color Mottles Color or Texture A 0-12" 10yr 2/1 Muck	Recorded data (stream, lake, or tidal gauge; aerial photo; other):
	Other:
	Vegetation and Hydrology Conclusion for Downgradient of GC A14
	vesnoNumber of wetland indicator plants
Remarks: Soil is saturated at surface Ledge at 12" causing poor drainage	>= number of non-wetland plants X
Soil meets criteria for Black Histic Hydric Soils	Wetland hydrology present: hydric soils present X
3. Other:	other indicators of hydrology present X
	Sample location is in a BVW X
Conclusion: Is soil hydric?	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 Applicant: D&L Design Group Prepared by: Goddard Consulting LLC Project location: 153 Paxton St upply: Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only Project location: 153 Paxton St v Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Section I only Method other than dominance test used (attach additional information)

DEP File #:

Check all that apply:

Section I. Vegetation	on I. Vegetation Observation Plot Number: GC B55 Transect Number: Upgradient		Date of Delineation: May of 2022		
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*
<u>Tree Laver</u>		210/	20.00/	X	FACIL
Red Oak	Quercus rubra	21%	39.8%	Yes	FACU FAC*
American Reach	Acer rubrum Fagus grandifolia	11% 21%	20.4%	Yes Vec	FAC* FACU
	Tugus grunuijonu	2170	57.670	105	TACO
Sapling Layer					
Red Oak	Quercus rubra	11%	25.3%	Yes	FACU
Red Maple	Acer rubrum	11%	25.3%	Yes	FAC*
American Beech	Fagus grandifolia	21%	49.4%	Yes	FACU
Shrub Layer					
Witch Hazel	Hamamelis virginiana	11%	38.9%	Yes	FACU
American Beech	Fagus grandifolia	11%	38.9%	Yes	FACU
White Pine	Pinus strobus	3%	11.1%	No	FACU
Japanese Barberry	Berberis thunbergii	3%	11.1%	No	FACU
<u>Climbing Woody Vine</u> Oriental Bittersweet	Celastrus orbiculatus	11%	100.0%	Yes	UPL
Ground Cover					
Northern White Oak	Quercus alba	3%	25.0%	Yes	FACU
Deer-Tongue Rosette Grass	Dichanthelium clandestinum	3%	25.0%	Yes	FACW*
Christmas Fern	Polystichum acrostichoides	3%	25.0%	Yes	FACU
Oriental Bittersweet	Celastrus orbiculatus	3%	25.0%	Yes	UPL
Kemarks: * An asterisk after comm	on plant name indicates stunted growth; ** indicates extreme Decemination:	ely stunted growth			
* 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: o	or plants listed as FAC FACW	or OBL	
Vegetation conclusion:		mine Benne Obinghum, C			
Number of dominant wetland indicator plant	s: 3	Number of domi	inant non-wetland indi	cator plants: 10	
Is the number of dominant wetland plants eq	ual to or greater than the number of dominant	non-wetland plants? no		-	

If vegetation alone is presumes 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	Other Indicators of Hydrology: (check all that apply and describe)	
Hydric Soil Interpretation	Depth to free water in observation hole:	_
1. Soil Survey	Depth to soil saturation in observation hole:	
Is there a published soil survey for this site? title/date: Soil Survey of Worcester County, Southern Part - 1998 map number: 307B	Water marks:	
soil type mapped: Paxton Fine Sandy Loam hydric soil inclusions:	Drift Lines:	
Are field observations consistent with soil survey? yes no Remarks:	Drainage patterns in BVW:	_
	Oxidized rhizoshperes:	_
2. Soil DescriptionHorizonDepth (inches)Matrix ColorMottles Color or TextureA0-4"10yr 2/2FSLB4-14"10yr 4/4FSL	 Water-stained leaves: Recorded data (stream, lake, or tidal gauge; aerial photo; other): Other: 	
	Vegetation and Hydrology Conclusion for Upgradient of GC B55	٦
Remarks: Rock at 14"	VesnoNumber of wetland indicator plants>= number of non-wetland plantsX	
Area is extremely stony	Wetland hydrology present: hydric soils present X	
3. Other:	other indicators of hydrology present X	
Conclusion: Is soil hydric? yes I ho	Sample location is in a BVWXSubmit 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 Applicant: D&L Design Group Prepared by: Goddard Consulting LLC Project location: 153 Paxton St pply: Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only Project location: 153 Paxton St v Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Section I only Method other than dominance test used (attach additional information)

DEP File #:

Check all that apply:

Section I. Vegetation	Observation Plot Number: GC B55	Transect Num	Transect Number: Downgradient		Date of Delineation: May of 2022	
Sample Layer and Plant Species	Scientific name	% Cover	% Dominance	Dominant Plant (yes or no)	Wetland Indicator Category*	
<u>Tree Layer</u>						
Red Maple	Acer rubrum	21%	50.0%	Yes	FAC*	
American Beech	Fagus grandifolia	21%	50.0%	Yes	FACU	
Sapling Laver						
Red Maple	Acer rubrum	21%	66.1%	Yes	FAC*	
American Beech	Fagus grandifolia	11%	33.9%	Yes	FACU	
Shrub Layer						
Winterberry	Ilex verticillata	21%	39.4%	Yes	FACW*	
Multiflora Rose	Rosa multiflora	11%	20.2%	Yes	FACU	
American Beech	Fagus grandifolia	11%	20.2%	Yes	FACU	
			20.278	100		
Climbing Woody Vine						
Eastern Poison Ivy	Toxicodendron radicans	3%	100.0%	Yes	FAC*	
<u>Ground Cover</u>						
Cinnamon Fern	Osmundastrum cinnamomeum	11%	20.0%	Yes	FACW*	
Eastern Poison Ivy	Toxicodendron radicans	11%	20.0%	Yes	FAC*	
Christmas Fern	Polystichum acrostichoides	11%	20.0%	Yes	FACU	
Sensitive Fern	Onoclea sensibilis	11%	20.0%	Yes	FACW*	
Marsh Blue violet	viola cucultata	11%	20.0%	Yes	OBL*	
Remarks: * An asterisk after	er common plant name indicates stunted growth; ** indicates extreme	ely 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; o	or plants listed as FAC, FACW,	or OBL.		
Vegetation conclusion:		.				
Number of dominant wetland indicator	plants: 9	Number of domi	inant non-wetland indi	cator plants: 5		
is the number of dominant wetland plan	nts equal to or greater than the number of dominant i	non-wetland plants? yes	S			

If vegetation alone is presumes 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	Other Indicators of Hydrology: (check all that apply and describe)
Hydric Soil Interpretation	Depth to free water in observation hole:
1. Soil Survey	Depth to soil saturation in observation hole: Surface
Is there a published soil survey for this site? title/date: Soil Survey of Worcester County, Southern Part - 1998 207B	Water marks:
soil type mapped: <u>Paxton Fine Sandy Loam</u> hydric soil inclusions:	Drift Lines:
Are field observations consistent with soil survey?	Sediment deposits:
Remarks:	J Drainage patterns in BVW:
	Oxidized rhizoshperes:
2. Soil Description	✓ Water-stained leaves:
HorizonDepth (inches)Matrix ColorMottles Color or TextureA0-13"10yr 2/1Muck	Recorded data (stream, lake, or tidal gauge; aerial photo; other):
	Other:
	Vegetation and Hydrology Conclusion for Downgradient of GC B55
	Number of wetland indicator plants
Remarks: Soil is saturated at surface Ledge at 13"	>= number of non-wetland plants X
Soil meets criteria for Black Histic Hydric Soils	Wetland hydrology present: hydric soils present X
3. Other:	other indicators of hydrology present X
Conclusion: Is soil hydric? yes no	Sample location is in a BVW X Submit this form with the Request for Determination of Applicability or Notice of Intent



Orthophoto View of Site

Paxton Street - Leicester, MA



GIS Data Source: "Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, MassIT"

GODDARD CONSULTING Strategic Wetland Permitting



Orthophoto View of Site with FEMA Flood Zone Paxton Street - Leicester, MA



GIS Data Source: "Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, MassIT"

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