Lot 4

LAND PLANNING, INC.

Civil Engineers • Land Surveyors • Environmental Consultants

November 29, 2021

Grafton Conservation Commission
Grafton Municipal Center
Grafton, MA 01519

Attention: Leah Cameron, Agent
Subject: Submission of revised field data sheets for lots 3 and 4, 179 and 183 Upton Street
Reference: Lee Robinson, Lots 3 and 4

Dear Leah:

Please find enclosed two copies of our revised field data sheets for Lee Robinson Lots 3 and 4. Please contact me if you have any questions or require any additional information.

Sincerely,
Land Planning Incorporated.

Norman G. Hill, P.E., P.L.S.

C.C. DEP Worcester

214 Worcester Street
North Grafton, MA 01536
Tel: 508-839-9526
Fax: 508-839-9528

167 Hartford Avenue
Bellingham, MA 02019
Tel: 508-966-4130
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1115 Main Street
Hanson, MA 02341
Tel: 781-294-4144
Fax: 781-293-4111

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

Applicant: Lee Robinson Prepared by: Norman Hill Project location: 183 Upton St Lot 4 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: WF-26 Transect Number: 26-Up Date of Delineation: 4-27

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Upper:				
Oak trees (Quercus)	50	60	yes	upland
Pine trees (Pinus Strobus)	50	40	No	upland
Lower:				
blueberry bushes (Vaccinium)	30	40	No	fac
pine saplings (Pinus Strobus)	50	50	yes	upland
mountain laurel (Kalma latifolia)	20	10	No	fac
Ground				
ferns (Trachiophyta)	20	10	No	fac
jewel weed (impatiens capensis)	10	10	No	fac
poison ivy (toxicodendron)	70	50	yes	upland

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: Number of dominant non-wetland indicator plants:

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes (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.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

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

title/date: 9-12-79

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey? (yes) no

Remarks: yes.

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-8	7.5YR 3/2	none
B	8-18	7.5YR 6/6	none

Remarks: upland

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

	yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☒
Wetland hydrology present:		
hydric soil present	☐	☒
other indicators of hydrology present	☐	☒
Sample location is in a BVW	☐	☒

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

Applicant: Lee Robinson Prepared by: Norman Hill Project location: 183 Upton St 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: WF-26 Transect Numbers: 26 wet Date of Delineation: 4.21

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Upper				
swamp maple (Acer Rubrum)	80	90	yes	wet
white pine (Pinus Strobus)	20	10	no	Facul Upland
Lower				
Sorus (Tracheophyta)	80	90	yes	wet
Skunk Cabbage (Symplocarpus foetidus)	20	10	no	wet

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 2 Number of dominant non-wetland indicator plants: 0

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? (yes) 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.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

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

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey? (yes) no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-8"	10YR 3/1	

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: 8"
- Depth to soil saturation in observation hole: 9"
- ☐ 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

	yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☒	☐
Wetland hydrology present:		
hydric soil present	☒	☐
other indicators of hydrology present	☐	☐
Sample location is in a BVW	☒	☐

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- ☐ Method other than dominance test used (attach additional information)

Section I. Vegetation

Observation Plot Number: WF-26 Transect Number: 26-Up Date of Delineation: 4-27

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Upper: Oak trees (Quercus)	50	60	yes	Upland
Pine trees (Pinus Strobus)	50	40	No	Upland
Lower:				
blueberry bushes (Vaccinium)	30	40	No	FAC
pine saplings (Pinus Strobus)	50	50	yes	Upland
mountain laurel (Kalma latifola)	20	10	No	FAC
Ground				
ferns (Tracheophyta)	20	10	No	FAC
jewel weed (impatiens capensis)	10	10	No	FAC
poison ivy (toxicodendron)	70	50	yes	Upland

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: Number of dominant non-wetland indicator plants:

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes (no)

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MA DEP; 3/95

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title/date: 9-12-79

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey? (yes) no

Remarks: yes.

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-8	7.5YR 3/2	none
B	8-18	7.5YR 6/6	none

Remarks: upland

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

	yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☒
Wetland hydrology present:		
hydric soil present	☐	☒
other indicators of hydrology present	☐	☒
Sample location is in a BVW	☐	☒

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A. Sample Layer and Plant Species (by common/scientific name)		B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Upper	swamp maple (Acer Rubrum)	80	90	yes	wet
	white pine (Pinus Strobus)	20	10	no	Facultative
Lower	ferns (Tracheophyta)	80	90	yes	wet
	skunk cabbage (Symplocarpus foetidus)	20	10	no	wet

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 2 Number of dominant non-wetland indicator plants: 0

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? yes no

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Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

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

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey? (yes) no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A	0-8"	10YR 3/1	

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: 9"
- Depth to soil saturation in observation hole: 9"
- ☐ 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

	yes	no
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☒	☐
Wetland hydrology present:		
hydric soil present	☒	☐
other indicators of hydrology present	☐	☐
Sample location is in a BVW	☒	☐

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