

Shoreland Permit Applicationfor a Shoreland Protection Permit under
Chapter 49A of Title 10, § 1441 *et seq.***For Shoreland Permitting Use Only**

Application Number: 243

VERMONT DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**WATERSHED
MANAGEMENT DIVISION**

LAKES & PONDS PROGRAM

Public Notice: At the same time this application is filed with Shoreland Permitting, a copy of this application must be provided to the municipal clerk for posting in the municipality in which the project is located.Submission of this application constitutes notice that the person in Section A intends to create impervious surface and/or cleared area within the Protected Shoreland Area, and certifies that the project will comply with Chapter 49A of Title 10, § 1441 *et seq.* All information required on this form must be provided, and the requisite fees (Section G) must be submitted made payable to the State of Vermont, to be deemed complete. Refer to *The Vermont Shoreland Protection Act - A Handbook for Shoreland Development* and related instructions for guidance in completing this application.**A. Parcel Information**1. Landowner's Name: **Town of Fairfield**

2a. Physical Address (911 Address):

2b. Municipality: Fairfield

2c. Zip: 05455

3. SPAN*: N/A

4. Phone: 802-827-3261

5. Email: amanda@fairfieldvermont.us

6. Name of lake/pond: Fairfield Pond

7. Total shore frontage: 566.00 (feet)

8. Was the parcel of land created before July 1, 2014? Yes No9. Are there wetlands associated with this parcel? Yes NoContact the Wetlands Program: (802) 828-1535 or www.anr.state.vt.us/dec/waterq/wetlands.htm.10. Is there a lake encroachment permit associated with this parcel? Yes No Permit #: _____Contact Lake Encroachment Permitting: www.anr.state.vt.us/dec/waterq/permits/html/pm_encroachment.htm

11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 108,900 (square feet)

See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix C, Determining Lakeside Zone & PSA

12. What is the surface area of existing impervious surface on your parcel within the PSA: 28,050 (square feet)

See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface

13. What is the surface area of existing cleared area on your parcel within the PSA: 4,800 (square feet)

See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing

B. Applicant Contact Information

1. Name: Amanda Forbes, Town Clerk

2a. Mailing Address: PO Box 5

2b. Municipality: Fairfield

2c. State: VT

2d. Zip: 05455

3. Phone: 802-827-3261

4. Email: amanda@fairfieldvermont.us

C. Application Preparer Information (If the individual preparing the application is not the landowner.)

1. Name: Same as above

2a. Mailing Address:

2b. Municipality:

2c. State:

2d. Zip:

3. Phone:

4. Email:

*SPAN: The "School Parcel Account Number" is required for your application to be deemed complete. It can be obtained from your property tax bill. If you cannot locate your property tax bill, please obtain this information from your Town Clerk. SPAN is a unique identification number for each parcel of property in the State of Vermont consisting of eleven digits. The first three digits identify the town; the next three digits identify the school district; and the last five digits represent the unique parcel or property.

D. Project Description

1. Describe the proposed project. For this application to be considered administratively complete you must attach site plans that denote existing and proposed cleared areas and impervious surface and their distances from mean water level, no fewer than three photos of the project area, and dimensions and associated surface areas of cleared areas and impervious surfaces. *We are proposing to move the existing road over and to extend parking on the western end of the beach to eliminate parking directly on beach.*
2. For developed parcels, how far is the existing habitable structure from Mean Water Level _____ (feet), and how far will new cleared area or impervious surface be from MWL _____ (feet)?
OR
For undeveloped parcels, how far will new cleared area or impervious surface be from MWL _____ (feet)?
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix A – Estimating Mean Water Level
3. Can all new cleared area or impervious surface be set back at least 100 feet from MWL? Yes No
If no, explain why below (attach support information as needed): *The road is currently within 100 ft - we are moving it back farther from water but still within 100 ft. The west end of the parking lot is along the water line - extended from the beach and will allow additional parking. This will create more free up more recreational space on the beach.*
- 4a. What is the slope of the project site area: 2 %
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix B, Determining Slope
- 4b. Is the slope of the project area less than 20%?
 Yes No If yes, skip 4c.
- 4c. If no above (4b), describe the measures taken to ensure the slope is stable, resulting in minimal erosion and impacts to water quality (attach support information as needed):
- 5a. What is the surface area of new impervious surface associated with this project: 5,409 (square feet)
See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F Calculating Percent Impervious Surface
- 5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices: 33,469 (square feet) and is that 20% or less of the parcel area within the PSA? Yes No
If yes, skip 5c.
- 5c. If no above (5b), describe the best management practices used to manage, treat and control erosion from stormwater from the portion of impervious that exceeds 20% (attach support information as needed).
Leave vegetation along western end shoreline - Retaining wall and gravel build up for parking. The portion of road to be moved will be paved with gravel shoulder - ditching for proper drainage. Stonelined - seeded.

<p>6a. What is the surface area of new cleared area associated with this project: <u>5409</u> (square feet) <small>See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing</small></p>	<p>6b. What is the total resulting cleared area* after completion of the project and prior to implementation of best management practices: <u>33159</u>(square feet) and is that 40% or less of the parcel area within the PSA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, skip 6c. *Total cleared area includes impervious surface area.</p>
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6c. If no above (6b), describe the best management practices used to provide erosion control, bank stability, and wildlife habitat functionally equivalent to clearing less than 40% (attach support information as needed).

E. Landowner Certification
 As APPLICANT, I hereby certify that the statements presented on this application are true and accurate and recognize that by signing this application, I agree to complete all aspects of the project as authorized. I understand that failure to comply with the foregoing may result in violation of the Shoreland Protection Act, 10 V.S.A. Chapter 49A, and the Vermont Agency of Natural Resources may bring an enforcement action for violations of the Act pursuant to 10 V.S.A. chapter 201.

Applicant/Landowner Signature: Amanda Hobes (Town Clerk/Treasurer) ^{Town of Fairfield} Date: 9/23/15

F. Application Preparer Certification (if applicable)
 As APPLICATION PREPARER, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Application Preparer Signature: _____ Date: _____

G. Permit Application Fees

Administrative Fee: \$125.00		125.00
Impervious Area Fee: \$0.50 per square foot	New impervious area (5a.) <u>5409</u> x 0.5	\$ Exempt
Total:		\$ Exempt

Submit this form and application fee, payable to:

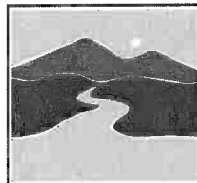
**State of Vermont
 Vermont Department of Environmental Conservation
 Watershed Management Division
 Shoreland Permitting
 1 National Life Drive, Main 2
 Montpelier, VT 05620-3522**

Direct all correspondence or questions to Shoreland Permitting at:
 ANR.WSMDSshoreland@state.vt.us

For additional information visit: www.watershedmanagement.vt.gov

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**Shoreland Permit
Application Addendum**
for a **Shoreland Protection Permit** under
Chapter 49A of Title 10, § 1443(g)
Public Recreation Areas



VERMONT DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
**WATERSHED
MANAGEMENT DIVISION**
LAKES & PONDS PROGRAM

This Public Recreation Areas Addendum is intended to accompany a completed *Shoreland Permit Application* in instances of proposed impervious surface and cleared area that serves the general public and promotes a public trust use and otherwise would not meet the Shoreland Protection Act standards.

Submission of this Public Recreation Areas Addendum constitutes notice that the person in Section A of the attached *Shoreland Permit Application* intends to create impervious surface and/or cleared area within the Protected Shoreland Area, and certifies that the project will comply with Chapter 49A of Title 10, § 1443(g). All information required on this form must be provided to be deemed complete.

D. Project Description

1. Describe the proposed project and how it provides access to the water for the general public and promotes public trust uses of the water. On separate pages attach site plans, photos, calculations of impervious surface and cleared area, and any other relevant supporting documents: *Currently our beach area is also used as a parking lot and boat launching area. So at any given time trucks are backing up between people to launch boats. Given this dangerous situation a Beach Committee was formed and with the support of the Selectmen made a plan to move the road slightly to the North and extend parking to the west to block off the beach from traffic and parking.*
2. Describe why the new impervious surface and/or cleared area within the Protected Shoreland Area are necessary to achieve the recreational purpose and function of the project: *The Town's property is limited, much of it having been declared wetlands. We have to use what we have and in order to have a safe recreational space for people to enjoy this beautiful resource we have to create parking in areas not currently used. This entails the western end of 1,323 square feet and the northern area of the roadway consisting of approximately 4,000 sq. ft.*

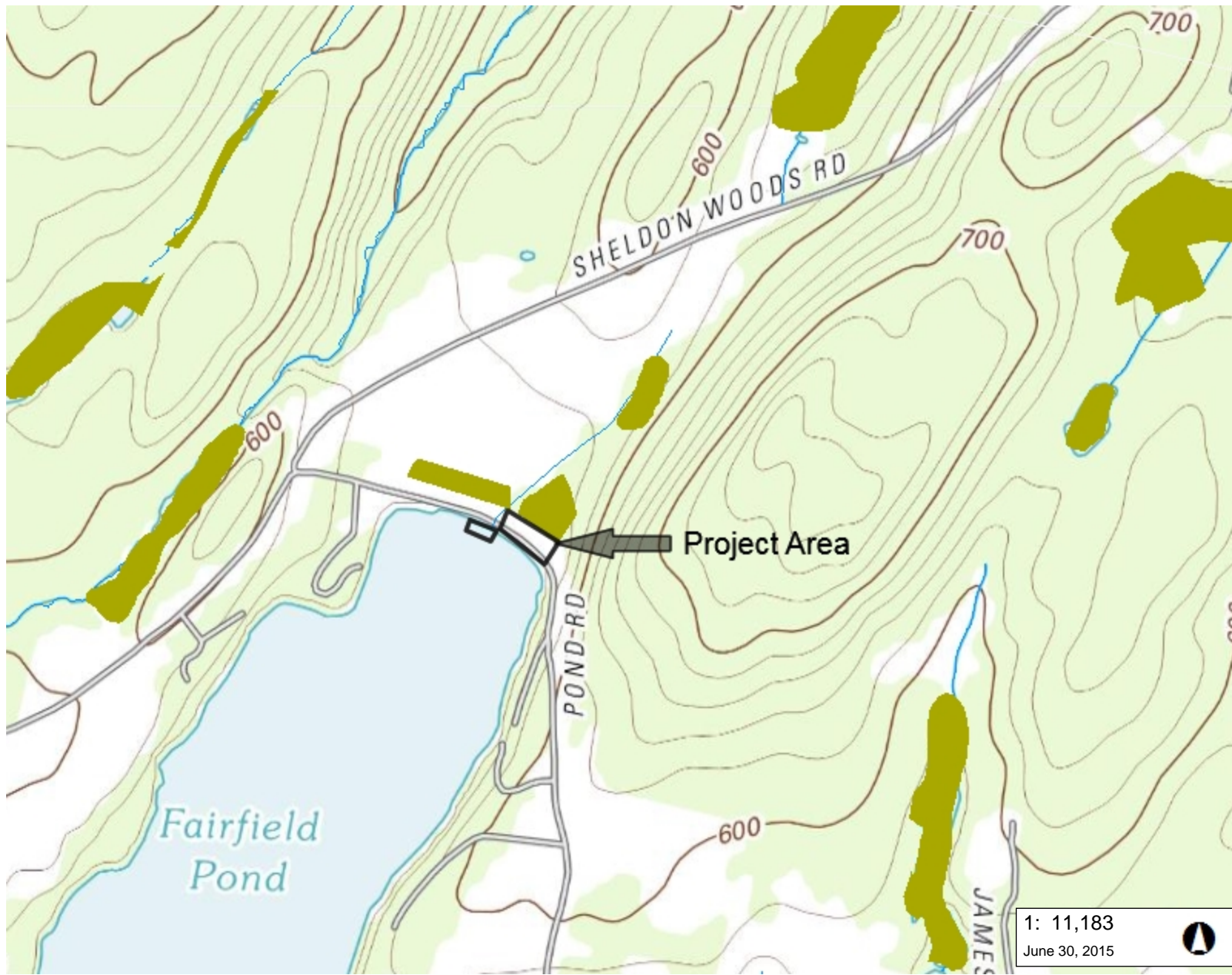
3. Describe the best management practices used to protect habitat and water quality of the lake while achieving the public recreational purpose. On separate pages attach site plans, photos, and any other relevant supporting documents: *please see attached plans and photos.*

Submit this form as an addendum to a complete Shoreland Permit Application to:

**Vermont Department of Environmental Conservation
Watershed Management Division
Shoreland Permitting
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Direct all correspondence or questions to Shoreland Permitting at:
ANR.WSMDSshoreland@state.vt.us


For additional information visit: www.watershedmanagement.vt.gov



LEGEND

- Wetlands - VSWI
 - Class 1 Wetland (Orange square)
 - Class 2 Wetland (Yellow square)
- Stream (Blue line)
- Town Boundary (White outline)

1: 11,183
June 30, 2015



NOTES

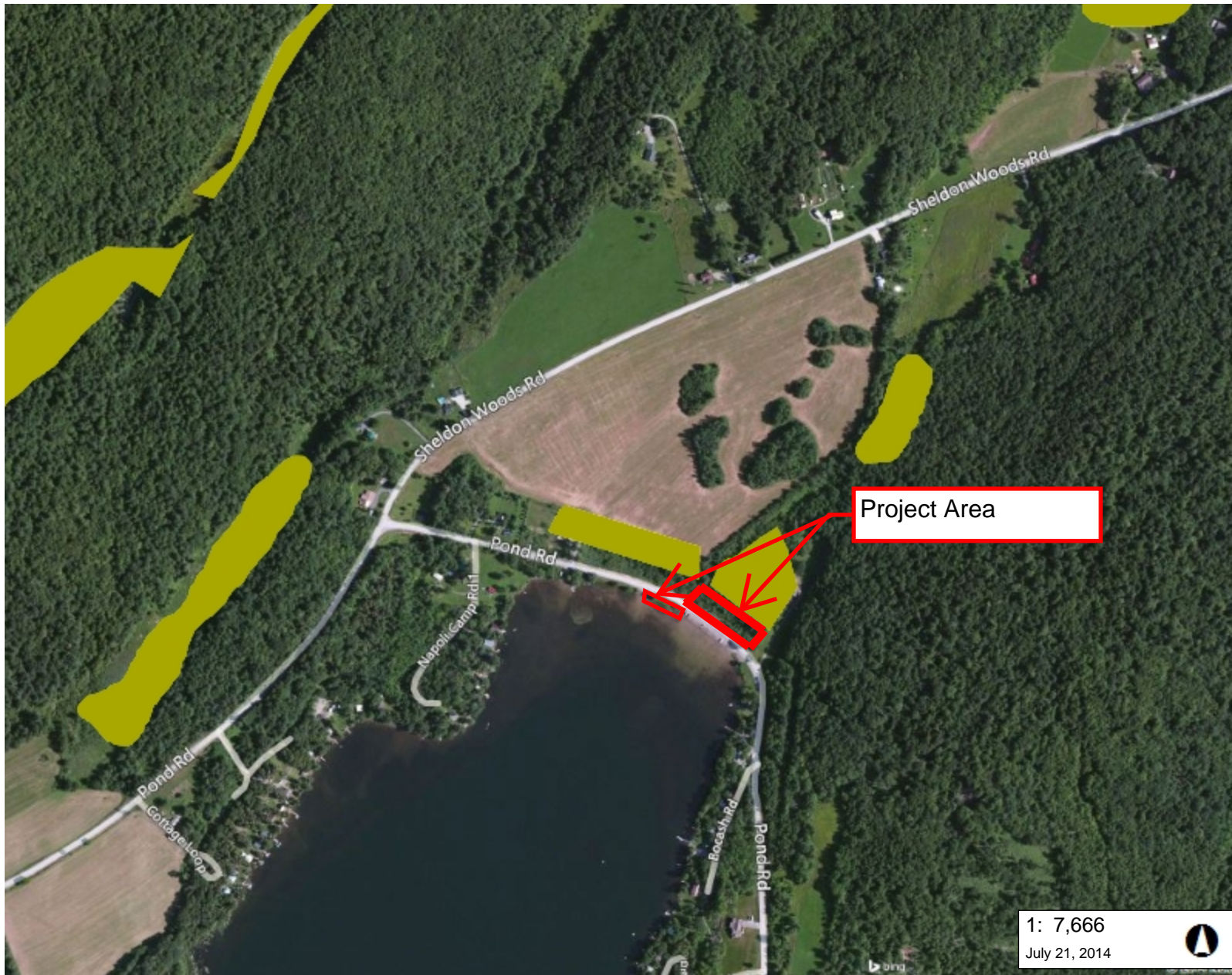
Map created using ANR's Natural Resources Atlas; Location Map

568.0 0 284.00 568.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 932 Ft. 1cm = 112 Meters

© Vermont Agency of Natural Resources THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.



1: 7,666
July 21, 2014



LEGEND

- Rare Threatened Endangered
 - Threatened or Endangered
 - Rare
- Significant Natural Community
- Uncommon Species and Other
 - Animal
 - Plant
 - Natural Community
- Deer Wintering Areas
- Natural Communities
 - Acidic Riverside Outcrop
 - Alder Swamp
 - Alluvial Shrub Swamp
 - Alpine Meadow
 - Alpine Peatland
 - Beaver Wetland (Non-NC)
 - Black Spruce Swamp
 - Black Spruce Woodland Bog
 - Boreal Acidic Cliff
 - Boreal Calcareous Cliff
 - Boreal Outcrop
 - Boreal Talus Woodland
 - Buttonbush Swamp
 - Calcareous Red Maple-Tamarack S
 - Calcareous Riverside Outcrop
 - Calcareous Riverside Seep
 - Cattail Marsh
 - Cold Air Take Woodland

NOTES

Map created using ANR's Natural Resources Atlas

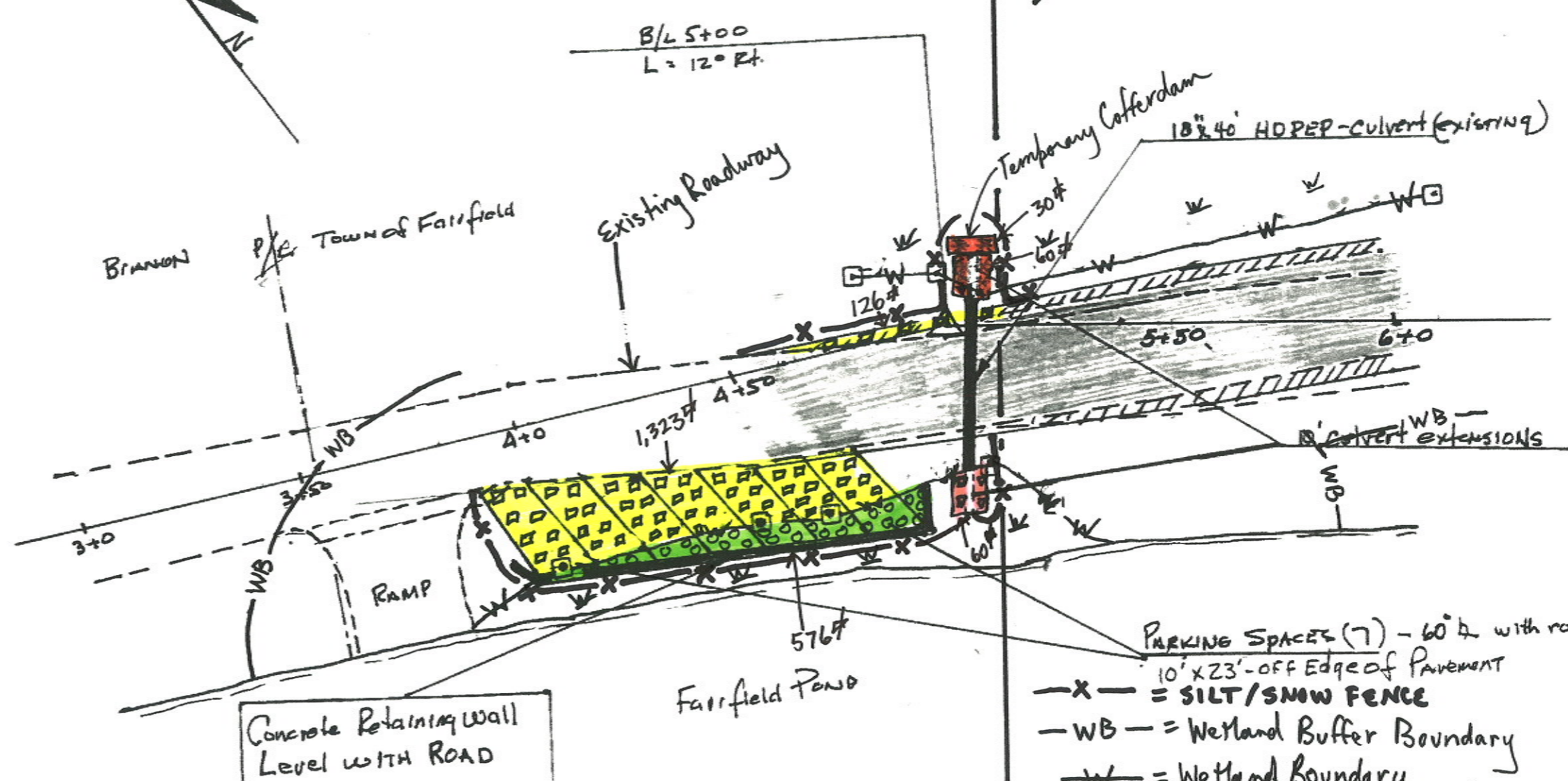


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→ MATCH TO SHEET 2



LEGEND

- = Edge of Paved Road (Existing)
 - ⊠ = Wetland Delineation Stake
 - ⊙ = Property Line Marker
 - = Brush Line
 - ⊕ = Utility Pole
 - ==== = Edge of Water - 11-20-2013
 - ∨ = Wetland Boundary
- Scale = 1" = 30'

- ▬ = Relocated Road Paved Surface
 - ▨ = 3' Gravel Shoulder Lt. - Paved Shoulder Rt.
- (Adduct - 6-2-2015)

- X- = SILT/SNOW FENCE
 - WB- = Wetland Buffer Boundary
 - W- = Wetland Boundary
 - *** = Wetland Impact (Temporary)
 - ooo = Wetland Impact (Permanent)
 - = Buffer Impact (Permanent)
 - ▽▽▽ = Buffer Impact (Temporary)
- Parking Spaces (7) - 60ft with road
10' x 23' - off Edge of Pavement

Page 1

TOWN OF FAIRFIELD		SHEET 1	
Pond Rd. Fairfield Pond Proposed Parking Area			
Plan View			
Preliminary	X		
Final			
Surveyed	11/20/2013	Relocation of Ramp	Revisions: 6/30/15
Plotted	11/21/2013	Parking S. Side of Rd.	6/2/2015
Checked	11/21/2013	Culvert Extensions	6/16/2015
		ADDED PG 1	6/24/2015
Scale = 1" = 30'		JS - Smith Technical Services	

← MATCH TO SHEET 1

GPS N 44°-52'-04"
W 72°-58'-45"

18'x40' HDPEP CULVERT (EXISTING)

Proposed 22' wide Paved Roadway

3' Gravel shoulder

WETLANDS

4,086#

IRON PIN

B/L 540

Pole # 51651

+50

6+0

+50

7+0

150

8+0

+50

BEACH

1,251#

+20

+/-

EXISTING ROADWAY

Additional Pavement Required

3' Paved shoulder

10' culvert extension
(Revision - 6/16/2015)

LEGEND

FAIRFIELD POND

- W- = Wetland Boundary
- WB- = Buffer Boundary
- ▣ = Buffer Impact (permanent)
- X- = SILT/SNOW FENCE

TYP.
PARKING SPACE 10'x20'
w/ Precast concrete Bumper

- - - = Edge of Paved Road (Existing)
 - ⊗ = Wetland Delineation STAKE
 - ⊙ = Property Line MARKER
 - ~ ~ ~ = BRUSH LINE
 - ⊕ = Utility Pole
 - — — = Edge of WATER - 11-20-2013
 - ∨ = WETLAND BOUNDARY
- Scale = 1" = 30'

- ▭ = Relocated Road Paved Surface
 - ▨ = 3' Gravel shoulder Lt. - Paved shoulder Rt.
- (Adduct - 6-2-2015)

TOWN OF FAIRFIELD		SHEET 2	
Pond Rd.			
Fairfield Pond Proposed Parking Area			
Plan View			
Preliminary	X		
Final			
			6/30/15
		Relocation of Road	Revisions 6/2/2015
Surveyed	11/20/2013	Parking S. Side of Rd.	6/15/2015
Plotted	11/21/2013	Culvert extension	6/16/2015
Checked	11/21/2013		
Scale = 1" = 30'		JS - Smith Technical Services	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Fairfield Pond Road at Town Beach City/County: Fairfield Sampling Date: 06.19.15
 Applicant/Owner: Town of Fairfield State: VT Sampling Point: B1
 Investigator(s): Charlotte Brodie Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None
 Slope (%): 2 Lat: 44 52' 4" Long: 72 58' 47" Datum: _____
 Soil Map Unit Name: _____ NWI classification: PEM

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? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ If yes, optional Wetland Site ID: <u>Wetland Area B</u>
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> ___ Surface Water (A1) ___ Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) ___ Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) ___ Marl Deposits (B15) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks) ___ Sparsely Vegetated Concave Surface (B8)	<p><u>Secondary Indicators (minimum of two required)</u></p> ___ Surface Soil Cracks (B6) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) ___ FAC-Neutral Test (D5)
<p>Field Observations:</p> Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>8"</u> Saturation Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>surface</u> (includes capillary fringe)	<p>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____</p>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: B1

<u>Tree Stratum</u> (Plot size: <u>30' r</u>)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	
1. <u>None</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
				_____ = Total Cover
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15' r</u>)				
1. <u>None</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
				_____ = Total Cover
<u>Herb Stratum</u> (Plot size: <u>5' r</u>)				
1. <u>Carex cf crinita</u>	<u>38</u>		<u>OBL</u>	
2. <u>Carex cf gynandra</u>	<u>38</u>		<u>OBL</u>	
3. <u>Solidago canadensis</u>	<u>20</u>		<u>FACU</u>	
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
				<u>96</u> = Total Cover
<u>Woody Vine Stratum</u> (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
				_____ = Total Cover

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

<u>Total % Cover of:</u>	<u>Multiply by:</u>
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)
Prevalence Index = B/A = _____	

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Vegetation

Dominance Test is >50%

Prevalence Index is ≤3.0¹

Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No _____

Remarks: (Include photo numbers here or on a separate sheet.)

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Fairfield Pond Road at Town Beach City/County: Fairfield Sampling Date: 06.19.15
 Applicant/Owner: Town of Fairfield State: VT Sampling Point: B2
 Investigator(s): Charlotte Brodie Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None
 Slope (%): 2 Lat: 44 52' 4" Long: 72 58' 47" Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

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? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/> Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/> If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) 	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: 	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: B2

<u>Tree Stratum</u> (Plot size: <u>30' r</u>)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	
1. <u>None</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
				_____ = Total Cover
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15' r</u>)				
1. <u>None</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
				_____ = Total Cover
<u>Herb Stratum</u> (Plot size: <u>5' r</u>)				
1. <u>Poa compressa</u>	<u>83</u>	<u>x</u>	<u>FACU</u>	
2. <u>Asclepias syriaca</u>	<u>10</u>		<u>UPL</u>	
3. <u>Taraxacum officinale</u>	<u>10</u>		<u>FACU</u>	
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
				<u>103</u> = Total Cover
<u>Woody Vine Stratum</u> (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
				_____ = Total Cover
Remarks: (Include photo numbers here or on a separate sheet.)				

Dominance Test worksheet:	
Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A)
Total Number of Dominant Species Across All Strata:	<u>1</u> (B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A/B)
Prevalence Index worksheet:	
Total % Cover of:	Multiply by:
OBL species _____ x 1 = _____	
FACW species _____ x 2 = _____	
FAC species _____ x 3 = _____	
FACU species _____ x 4 = _____	
UPL species _____ x 5 = _____	
Column Totals: _____ (A)	_____ (B)
Prevalence Index = B/A = _____	
Hydrophytic Vegetation Indicators:	
<input type="checkbox"/> Rapid Test for Hydrophytic Vegetation	
<input type="checkbox"/> Dominance Test is >50%	
<input type="checkbox"/> Prevalence Index is ≤3.0 ¹	
<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Definitions of Vegetation Strata:	
Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.	
Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
Woody vines – All woody vines greater than 3.28 ft in height.	
Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	



Wetland and Buffer, South Side



Culvert Outlet, South Side



Culvert Inlet and Wetland, North Side