



Littleton Conservation Commission

P.O. Box 1305

37 Shattuck Street

Littleton, MA 01460

Phone: 978 540-2428

FAX: 978 952 2321

E-Mail: agreen@littletonma.org

July 13, 2016

Emmanuel Owusu

RE: ENV 17 DCS 01

Executive Office of Energy and Environmental Affairs

100 Cambridge Street – Suite 900

Boston, MA 02114

Re: Application for Local Acquisitions for Natural Diversity (LAND) Grant – FY 2017
Joyce Williams Property /Boxborough Road, Littleton, MA

Dear Mr. Owusu:

The Town of Littleton, in conjunction with the Littleton Conservation Trust, is pleased to submit this application for a LAND Grant to help fund the purchase of approximately 32 acres in Littleton. This mostly wooded parcel includes wetlands, open water, old farmland, BioMap2 Core Habitat and Critical Natural Landscape. It is currently in Chapter 61B and is used for horseback trailriding, and the owner would like to see the land permanently protected. The property will also significantly supplement the existing Newtown Hill Conservation Area and will help provide important future linkages to other parcels of open space as well as the Littleton train station. Obtaining this parcel, and others in the vicinity, is a high priority for the Town and has been identified as of statewide importance in the 495/MetroWest Development Compact Plan, with portions identified as being in the top 10% of Land of High Conservation Value.

Thank you for your consideration of this application. The appraised value is \$1,170,000. With the Littleton re-imbursement rate of 52 percent and the maximum grant of \$400,000, we are respectfully requesting a \$400,000 LAND Grant.

One original and one copy, as well as one electronic copy is provided of:

Application Form	
Attachment 1	Municipal CEO's Authorization of Project Manager & Chief Executive Officer's Authorization to Execute Contracts
Attachment 2	Project Narrative
Attachment 3	Figures
Attachment 4	NHESP Review
Attachment 5	MHC Review
Attachment 6	Appraisal Report
Attachment 7	Land Stewardship Documentation
Attachment 8	Town meeting vote
Attachment 9	OSRP Relevant Pages

Sincerely,



Amy Green
Conservation Coordinator
Littleton Conservation Commission

Access:

Does property have frontage on a street? Yes No

If yes, list street(s):

Boxborough Road

If *no*, describe how the public can access the property through adjacent landholdings. Grant funds are used to purchase land for conservation and public passive recreational use. Properties that do not have suitable public access will not be funded.

Current total property has frontage; proposed land to be purchased will have frontage through easement to Boxborough Road. Property can also be accessed through existing trails from Newtown Hill Conservation Land.

Zoning:

Residence (District R)

Past use(s):

The front portion of the property has been in agricultural use, primarily equestrian, for decades. The remainder has remained as forested, with trails for that period. The 1950s USGS map shows the front of the parcel as orchard.

Present use(s):

Present uses continue as forested area with trails, which are primarily used by horses.

Proposed use(s):

Proposed uses would consist of open space/conservation land with walking and riding trails that would connect with the Newtown Hill Conservation Lands. Potential bike trail corridor.

Are there buildings or structures on the property? Yes No

If yes, list each and indicate current and planned use. The LAND Program is intended to preserve undeveloped land, not to purchase buildings. Buildings are ineligible for funding. Any buildings proposed to be kept must serve a legitimate conservation, outdoor education, or public passive recreational use.

Will this project involve the removal of structures? Yes No

Will this project involve the remediation of a developed site or brownfield?

Yes No

If a brownfield, attach a copy of the most recent site assessment, either MCP Phase I or II, or ASTM Phase I or II, indicating the nature of the contamination and the remediation required for proposed use. If no site assessment is available, contact DCS. Include in the Project Description a discussion of the importance of remediating the site, the plan for remediation, clear identification of disbursement of liability (e.g., will the town take it or will it reside with the current owner?), and any specific stewardship that will be undertaken to ensure that the site does not in the future pose undue risk to the public due to currently existing contamination. Also provide a remediation timeline that includes funding sources. Reminder: site remediation must be completed before reimbursement.

3. ACQUISITION AND FUNDING DETAILS

Appraisal Report #1

Valuation: \$ 1,170,000.00
Appraiser: Ellen Anderson
Valuation Date: 7/8/16

Appraisal Report #2 (if needed)

Valuation: \$
Appraiser:
Valuation Date:

Acquisition details:

Negotiated Sale: Yes No

Do you have a Purchase & Sales Agreement or Agreed Price? Yes No
If yes, amount: \$ _____

Is Clear Title available?* Yes No
If no, is an eminent domain taking anticipated? Yes No
If yes, proposed pro tanto award amount: \$ _____

*If clear title is not available, the applicant may decide to acquire the property by a friendly taking (eminent domain) process to clear the title. It is best to know if there is a potential title problem as soon as possible since this can complicate the acquisition process. Land lacking clear title will not be reimbursed.

Can this project be completed next Fiscal Year, FY 2018? (July 1, 2017 – June 30, 2018)
 Yes, if necessary Yes, FY 18 Preferred No

Funding request:

Recipients of LAND grant funding are reimbursed *after* they have expended the total project cost and submitted proof of payment. Only costs incurred during a grant recipient’s contract period will be reimbursed. The reimbursement rate is 52-70%, based upon a municipality’s Equalized Valuation Per Capita. See the DCS website for a list of rates. See section 2E in BID for eligible expenditures.

List your anticipated expenditures and requested grant amount below.

Reimbursement rate: 56

Item	Amount	Grant request amount
Property acquisition*	\$ 1,170,000.00	\$ 400,000.00
Recording fees	\$	\$
Title certification	\$	\$
Survey	\$	\$
Total	\$	\$

*Grant award amount is based upon the appraised value or agreed upon purchase price, whichever is less.

Will funds from the Community Preservation Act (CPA) be used? Yes No

Will funds from the Cape Cod Land Bank be used? Yes No

Use of CPA or Land Bank funds require the conveyance of a permanent Conservation Restriction (CR), within the meaning of Ch. 184, to an eligible non-profit organization.

Have you identified an organization willing to hold the CR? Yes No

Name of organization: Littleton Conservation Trust

Are you using or seeking funds from other sources or partners? Please list:

4. PROJECT DESCRIPTION

Describe in attachment, not to exceed two pages, the following:

- Description of the property, including natural resource, recreation, historical, educational, or agricultural values.
- Purpose of acquisition and proposed uses.
- Consistency with Statewide Comprehensive Outdoor Recreation Plan (SCORP) and community Open Space & Recreation Plan (OSRP).
- Project schedule.
- Consistency with any nearby State Priority Development or Preservation Areas as shown on the South Coast Rail Corridor Plan or the 495/MetroWest Development Compact Plan, or other regional plan.
- Description of land stewardship project on past DCS grant or a municipal conservation land. Attached documentation of such project to the application.
- Plans for use of local wood in signage, footbridges, etc.

5. PROJECT QUALITY

Landscape preservation:

How much protected conservation land does this project abut? 98.00 acres

How much of the adjacent land can this project potentially serve as catalyst for future conservation efforts? 200.00 acres

How significantly will the subject parcel's resource value be impacted by its development?

- High impact Medium impact Low impact

Recreational opportunities:

Municipal Open Space and Recreation Plan (OSRP):

To apply for this grant you must have a current, approved OSRP, or have submitted a draft OSRP by the grant application deadline. To be eligible to apply with only a draft, a municipality must have completed the public participation process.

List the goals, objectives, or action plan items in your current or draft OSRP this project meets. Attach to your application copies of the relevant pages (not the whole plan).

	Goal, objective, or action plan item from current OSRP	Page no.
1	Goal 1 (Action Plan 1.1 and 1.6)	2 of 12
2	Goal 2 (Action Plan 2.1, 2.2, 2.4, 2.6 and 2.8)	2-3 of 12
3	Goal 3 (Action Plan 3.12)	5 of 12
4	Goal 4 (Action Plan 4.1 and 4.7)	5-6 of 12
5	Goal 5 (Action Plan 5.2)	7 of 12
6	Goal 6 (Action Plan 6.1, 6.2, 6.3 and 6.4)	8-9 of 12
7	Goal 7 (Action Plan 7.2 and 7.4) / Goal 8 (Action Plan 8.1)	9-10 of 12

What public recreational opportunities will the project provide?

Check the box that best describes your project. Clarify in the space below if necessary.

Recreational opportunities will be verified by DCS during the site visit. Please note that preference will be given to projects that permit hunting.

- Hunting activities
 Trail-based activities (e.g. hiking, Nordic skiing, biking, horseback riding)
 Water-based activities (e.g. canoeing, swimming, fishing, skating)
 Historic, cultural, or environmental education
 Community gardening or other community agriculture

Additional description: Secondary water-based activities include wildlife viewing of Doleful Pond

Biodiversity and resource protection:

Percentage of the project that lies within or abuts MA Natural Heritage and Endangered Species Program (MNHESP) BioMap2 Core Habitat and Critical Natural Landscape designated areas:

19 %

Percentage of the project located in an area identified as of importance for climate change adaptation, in terms of landscape complexity and permeability/connectivity or implementation of resiliency best practices. Provide the source of any third party map or data used in this calculation.

35 %

Information Source: SVT; measured as slightly above average for resilience

Working lands:

Will active forest management or agriculture continue or begin *after* the acquisition?

Note: agriculture and forestry activities must be compatible with conservation and public use of the property.

Yes No

If yes, describe forestry or farming planned:

Current passive use of the horse trails will continue to support the adjacent agricultural/horse farm areas.

Water resources:

Portion of the property that is 0-300 ft from ocean, lake, pond, river, stream, wetland, OR within an existing public drinking water supply area (Zone I/II or A/B), OR over a medium- or high-yield aquifer:

None 1-24% 25-50% >51%

6. MUNICIPAL AUTHORIZATION:

Attach a certified copy of the Town Meeting or City Council vote, or draft language. Vote must conform to sample vote language criteria, available as Attachment D to this application.

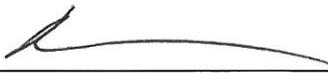
Does this project have town meeting/city council approval? Yes No

If not, what is the scheduled date for the vote? 11/16/2016

7. ATTACH CERTIFICATION OF:

The **Chief Executive Officer's legal authorization to execute contracts**. This is a resolution, motion, or similar action that has been duly adopted or passed as an official act of the community's governing body that authorizes the filing of the applications, including all understandings and assurances contained therein by the signatory, usually a page from the town/city charter will satisfy this requirement (this is not a DCS form to be completed).

7/11/16
Date



Signature of Chief Municipal Officer

Melisa Hebert, Chair, Board of Selectmen

Name and Title (Typed)

2017

Duration of Term

8. OTHER IMPORTANT DOCUMENTATION:

- a. **USGS topographic map** with an outline of the project boundary. Include the location, acreage, ownership and use of other public or quasi-public open space abutting, or close to, the project on the topographic map. Show current use of adjacent private lands. If applicable, show proximity to Priority Development and Preservation Areas as shown on the South Coast Rail Corridor Plan, 495/MetroWest Development Compact Plan, Central Massachusetts Land Use Priority Plan, Merrimack Valley Regional Plan, Metro North Land Use Priority Plan, or other regional plan. This map will be used by DCS staff to perform a site inspection.
- b. **Plot plan or survey map** showing the project boundary. The project area must be shown in enough detail to be legally sufficient to identify the lands to be protected. A registered survey plan with deed references or assessor's map with block and lot number are acceptable.
- c. **Documentation of Good Land Stewardship** – Applicants are required to submit documentations of good land stewardship of past DCS grants or a municipal conservation land. The proof of good stewardship on one parcel could be range of submittals including stewardship plans, photos of stewardship activities like invasives removal, trail building, educational kiosks, etc.
- d. **Draft Conservation Restriction (CR)** – If your project involves the purchase or conveyance of a CR, please complete a separate CR application and submit a draft restriction along with this application. The CR application is available under “Publications” at the DCS website at www.mass.gov/eea/dcs. To obtain a copy of the Conservation Restriction Handbook, visit the DCS website, or contact Emmanuel Owusu. Submit the draft CR to:

The CR Reviewer
Executive Office of Energy and Environmental Affairs
100 Cambridge St., Suite 900
Boston, MA 02114

- e. **Other state agency review** – If it is not possible to include responses in the application package to DCS, attach a copy of your cover letter requesting their input.
 - *Massachusetts Natural Heritage and Endangered Species Program*
(<http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/publications-forms/publications/>).
 - *Massachusetts Historical Commission*
Send the MHC a PNF (<http://www.sec.state.ma.us/mhc/mhcpdf/pnf.pdf>) with a photocopy of the USGS locus map with the property boundaries clearly indicated, smaller-scale property maps if available, and a cover letter to include information about any known historic or archaeological sites. Send this certified mail, return receipt requested, so that you know when it was received. MHC will review and comment to DCS (and copy the applicant) within 30 days of receipt. If a Conservation Restriction is part of your project, you must notify and submit it to MHC for review. See these websites for any questions: <http://www.sec.state.ma.us/mhc/mhcpdf/pnfguide.pdf> and <http://www.sec.state.ma.us/mhc/mhcrevcom/revcomidx.htm>.
- f. **Brownfields:** If the property to be acquired is a brownfield site, the applicant should submit documentation of the nature of contamination, the type of remediation required, and an estimate of the cost and time required for remediation. This should include a map of contaminant locations. See the BID for more information on requirements for brownfield projects.

ATTACHMENT 1

Municipal CEO's Authorization of Project Manager
Chief Executive Officer's Legal Authorization to Execute Contracts



OFFICE OF THE
BOARD OF SELECTMEN

37 SHATTUCK STREET, P.O. BOX 1305
LITTLETON, MASSACHUSETTS 01460
(978) 540-2460

July 11, 2016

Mr. Emmanuel Owusu
Executive Office of Energy and Environmental Affairs
100 Cambridge Street – Suite 900
Boston, MA 02114

RE: ENV 17 DCS 01

To Whom It May Concern:

Amy Green Conservation Coordinator, is authorized as the municipal project manager for the Williams property LAND Grant application.

Sincerely,

Melissa Hebert, Chair
BOARD OF SELECTMEN



TOWN OF LITTLETON
Town Clerk
PO Box 1305
Littleton, MA 01460

July 11, 2016

Based on the Policies of the Board of Selectmen the authority to sign contracts is as follows:

“Execution of Contracts

1. All contracts of \$5,000 or more shall be in writing, and shall be executed by the Chief Procurement Officer.
2. The Board of Selectmen or other authorized awarding authority approved by the Town meeting shall enter into:
 - (a) all grant agreements of any amount, and
 - (b) all contracts for procurements of more than \$25,000.
3. The Town Administrator is hereby authorized, pursuant to MGL C.41, §23 to enter into contracts for procurements of \$25,000 or less.
4. Unless authorized by a majority vote by Town Meeting, the Town may not solicit or award a contract for a term greater than five years, including renewals, extensions or options.
5. The Town Accountant shall be provided with and shall maintain a copy of every contract executed by the Board of Selectmen, Town Administrator or authorized awarding authority.”

For the purposes of said grant application the Board of Selectmen are the signing authority.

Respectfully yours,

Diane Crory
Town Clerk

ATTACHMENT 2

Project Narrative

Attachment 2 - Project Narrative

The Williams property is a total of 47.11 acres, with 32.25 acres being considered for purchase in fee by the Town. The land under consideration slopes down from the Newtown Hill Conservation Land (NHCL) to Doleful Pond, and trail linkages are already established. The proposed purchase includes a trail easement from Boxborough Road which would provide additional public access into NHCL and other areas, as described below. Figures 1 and 2 show the general location and site conditions. A plot plan is provided as Figure 3. Figure 4 shows representative photos of the property. Figure 5 shows the site relative to Open Space parcels.

PROPERTY DESCRIPTION. The property is largely Prime Forestland (Figure 6), and consists of mixed hardwoods and softwoods with a diverse understory. The acquisition area also includes the southern portion of Doleful Pond, extending the protection of this waterbody, as well as associated wetlands and an intermittent stream corridor. These wetlands are very diverse, and Doleful Pond in particular includes aquatic bed and scrub-shrub wetlands, with forested wetlands present around the perimeter of the pond and along the intermittent stream corridor. Doleful Pond is mapped as BioMap2 Core Habitat and Critical Natural landscape (Figure 7). An intermittent stream corridor runs across the northern portion of the property adding additional habitat diversity. Recreationally, the area is Section 61B lands and the multiple horse trails are used by the horses stabled at the owner's barns and by neighboring horse owners. Horse trails are of high value to Littleton, which has over 20 stables, five of which are in the immediate vicinity of the acquisition area. With the adjacent NHCL, there is over a mile of established trails. There are no structures on the property to be acquired. The adjacent NHCL includes woods, fields and a community garden.

PURPOSE. The purpose of the proposed acquisition is to provide protection of the land in perpetuity, to expand the NHCL, and to meet Open Space and Recreation Plan (OSRP) goals. The property will provide public recreation opportunities along the existing trails that tie into the NHCL trail system, and will continue the agriculture use of the trails for horseback riding. The potential for establishing a bike trail link to the train station is also part of long range planning. The land owner has expressed compelling need for the town to act due to her advanced age. Her four children have expressed that they do not see themselves residing on the property. If the owner were to pass away, the estate would need to be liquidated for probate, and most likely would be developed in an extensive subdivision (see Appraiser's Report).

CONSISTENCY. The Littleton OSRP has recently been updated and the draft plan is on file with EOEEA. The proposed acquisition is an area that has long been considered for preservation and which would advance many of the OSRP goals and action plans. Section 5 of the Application Form and Attachment 9 provide additional detail.

On a more regional basis, the proposed acquisition conforms to the Massachusetts Stateside Comprehensive Outdoor Recreation Plan ("SCORP"; 2012). As indicated in the OSRP, "In many ways Littleton's recreation needs as determined by the community closely relate to those identified in the SCORP". Of particular note, Goal 1 of SCORP is to increase availability of all types of trails. This project would specifically increase public horse and pedestrian trails in the area and would provide corridors to wildlife as well as easier access for wildlife viewing; Goal 3 (invest in recreation and conservation areas that are close to home) would also be met by tying southeastern Littleton to larger existing Open Space. The 495/MetroWest Development Compact Plan (2012)

defines Littleton as a “developing suburb”, and the subject property (Area 158-17) is shown as a Locally-Identified Priority Preservation Area (PPA), Regionally Significant PPA and State Designated PPA. The Doleful Pond portion of Area 158-17 is shown as in the top 10% of Land of High Conservation Value. Figure 8 provides a copy of the State Designated PPA and Figure 9 shows the top 10% mapping.

PROJECT SCHEDULE. The proposed acquisition will move ahead as soon as funding is confirmed. Town Meeting vote (see language in Attachment 8) is scheduled for November 2016. Application for Community Preservation Act funding will be submitted for Spring Town Meeting.

STEWARDSHIP. The Town of Littleton Conservation Commission (LCC), Littleton Conservation Trust (LCT), and Littleton Clean Lakes Committee have provided excellent land stewardship for Town owned conservation lands. The cover sheet for the most recent Annual Land Steward Reports and Summary (February 2016) is attached (Attachment 7), along with an example of the survey for NHCL. Among other stewardship initiatives advanced by LCC and LCT are: **Newtown Hill** - community garden, agricultural use (hay), guided walks, invasive species control, pond observation deck, new and trail maps updated. At Doleful Pond, herbicide applications to control water chestnut have occurred for over ten years, with the most recent application on July 9, 2016 (see Attachment 7). **Yapp and Cobb** – 4th grade field trip, community garden, stonewall survey, invasive species control, hay. **Oak Hill** – Hidden Treasures (see Attachment 7) historic, cultural and environmental educational programs, vista clearing, geologic descriptions, wildlife monitoring. **Cloverdale** – most recent large scale meadow restoration project using CPA funds (see Attachment 7), coordination with adjacent Montessori school for outdoor education.

LINKAGES. The property is in a prime location to provide linkages to other open space parcels as well as the train station. It would provide a link to a 5 acres parcel just south of Boxborough Road being considered for purchase from MassDOT as well as conceived trail parallel to Route 2 towards the west and the train station and open space at the Durkee Farm Development. This would also tie into the Kaye Parcel and Town Forest, providing a potential large loop back. These linkages include consideration of a commuter bike trail. The parcel is immediately adjacent to, and has existing connection trails with, the Newtown Hill Conservation Land. This in turn is adjacent to close to 300 acres of land including Long Lake Park and Littleton Conservation Trust lands. The Town Forest (80 acres) is in close proximity, and one of the Town goals is to link the Town Forest to other conservation parcels. Over 200 acres of privately held land have also been identified as high priority lands to obtain in this area. An additional 90 acres in the area (known as the Durkee and Kaye parcels) are slated for development, but discussions with the owners regarding Town goals has led to commitments for connecting trails easements through these two properties. Obtaining the proposed Williams piece would clearly serve as a catalyst for future conservation efforts.

ADDITIONAL COST CONSIDERATIONS. In addition to land purchase, the overall project would include costs for recording fees and title certification. Survey has already been completed to verify property size and configuration. A second appraisal proposal has been accepted from The Foster Company, but has not proceeded due to scheduling issues with the grant application deadline. This does mean, however, that money is set aside for a second appraisal if, at the very least, enough time passes that a review update is required. It should also be noted that the local Parlee Lumber yard is a source of locally harvested lumber.

ATTACHMENT 3

Figures



Figure 1. USGS Locus

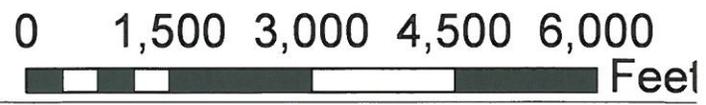
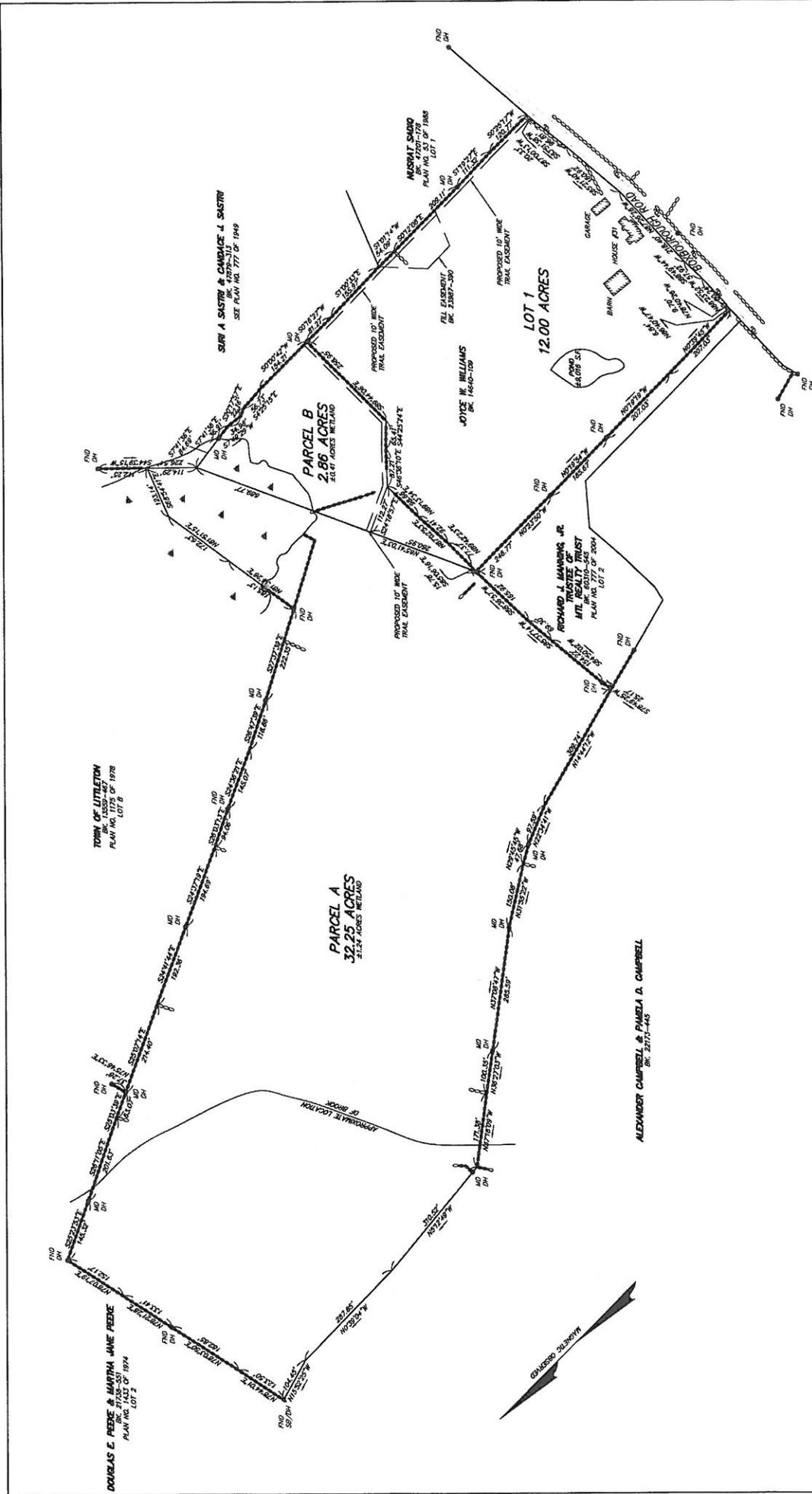




Figure 2. Aerial Photograph

0 375 750 1,125 1,500 Feet



PLAN OF LAND IN
Littleton, Mass.
 OWNED BY
Joyce W. Williams
 SCALE: 1"=100'
 JULY, 2018

David E. Ross Associates, Inc.
 CIVIL ENGINEERS - LAND SURVEYORS
 ENVIRONMENTAL CONSULTANTS
 PO BOX 306711 FLORENCE, MA 01432
 (TEL. NO. 978-772-6327)

JOB NO. 31455 SHEET 1 OF 1 PLAN NO. L-13007

1. CERTIFY THAT THIS PLAN
 CONFORMS WITH THE RULES
 AND REGULATIONS OF THE
 REGISTERS OF DEEDS.

DATE _____ SURVEYOR _____

SURV. JPG	CALC. D.E.	DRAFTED: D.E.	CYD: MON	NO. 789-13	DEED: BK. 14640-109	REF: 31455(01)DM
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Littleton Planning Board

APPROVAL UNDER SUBDIVISION CONTROL LAW NOT REQUIRED

OK. 41, S. 81--P.

DATE: _____

FIGURE 3

FIGURE 4. JOYCE WILLIAMS PROPERTY PHOTOS



Photo 1. Southern end of Doleful Pond (May 27, 2016)



Photo 2. Wetland near Doleful Pond (July 1, 2016)

FIGURE 4. PHOTOS continued



Photo 3. Clearing with ant hills (July 1, 2016)

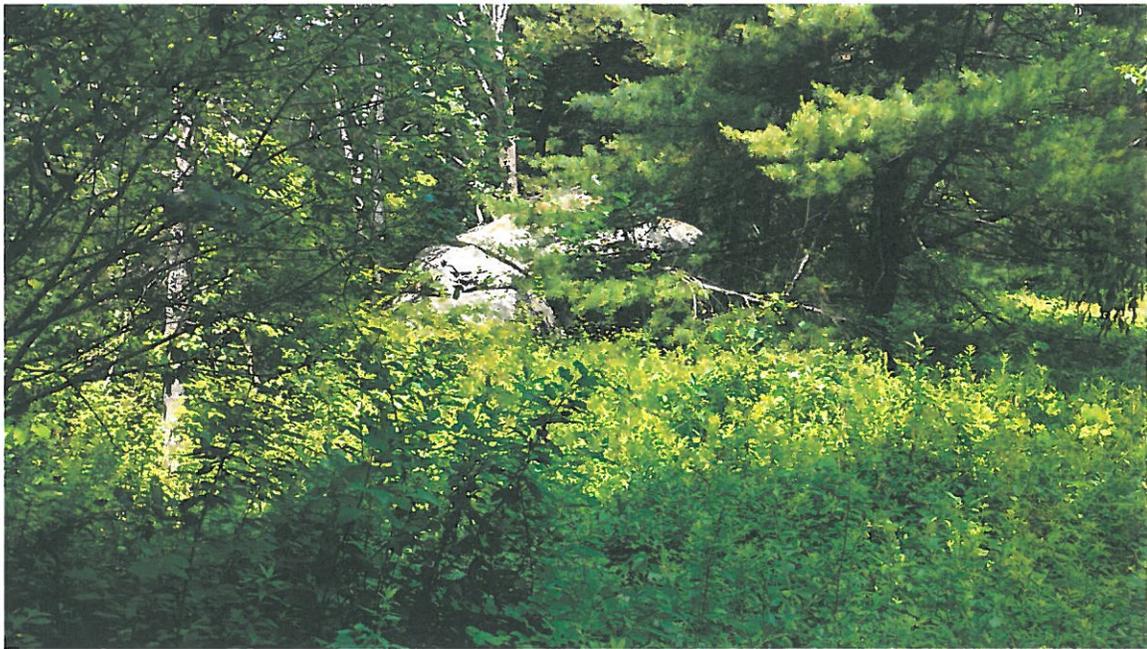


Photo 4. Large glacial erratic (July 1, 2016)

FIGURE 4. PHOTOS continued



Photo 5. Trail easement area from Boxborough Road (July 1, 2016)



Photo 6. Typical bridle path (July 1, 2016)

FIGURE 4. PHOTOS continued



Photo 7. Typical bridle path and rock walls (July 1, 2016)



Photo 8. Haying on Newtown Hill Conservation Land (July 6, 2016)

FIGURE 4. PHOTOS continued



Photo 9. Community garden at Newtown Hill Conservation Land (July 6, 2016)



Photo 10. Observation platform overlooking Doleful Pond (July 7, 2016)

FIGURE 4. PHOTOS continued



Photo 11. Water chestnut control operation (July 7, 2016)

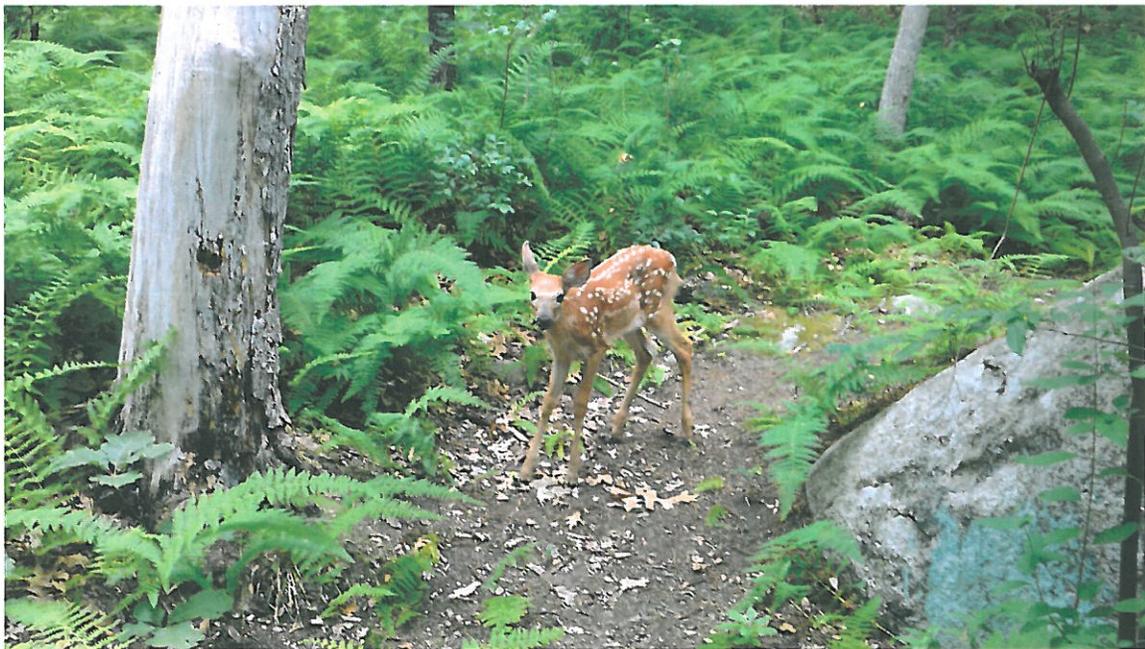
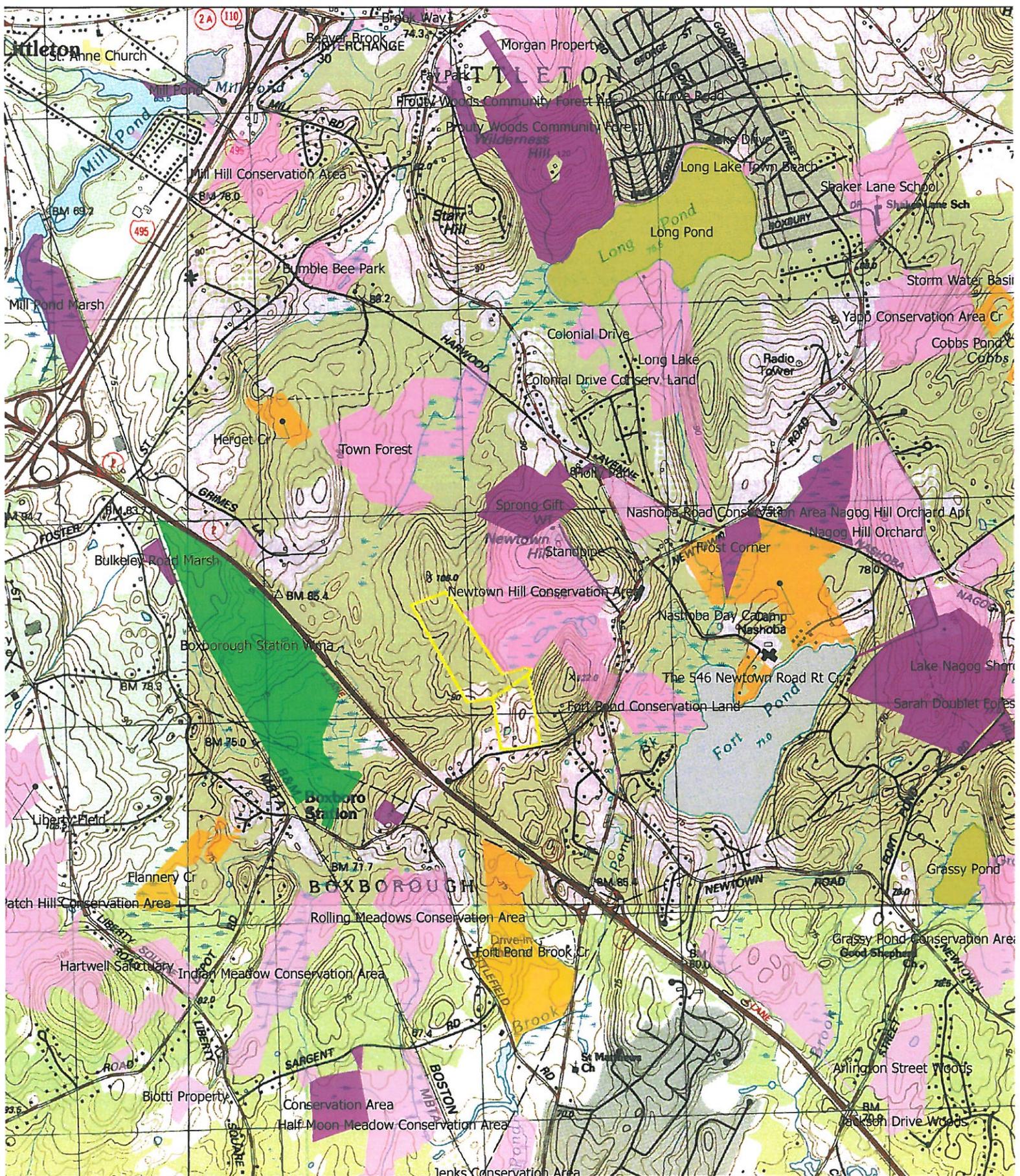


Photo 12. Wildlife! (July 7, 2016)



- | | | | |
|---|---|---|--|
| Department of Fish & Game | Commonwealth of Massachusetts | Municipal | Non-Profit |
| Land Trust | Private | | |

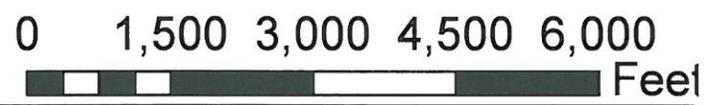


Figure 5. Open Space Parcels

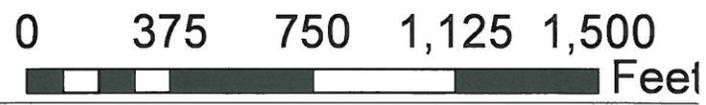
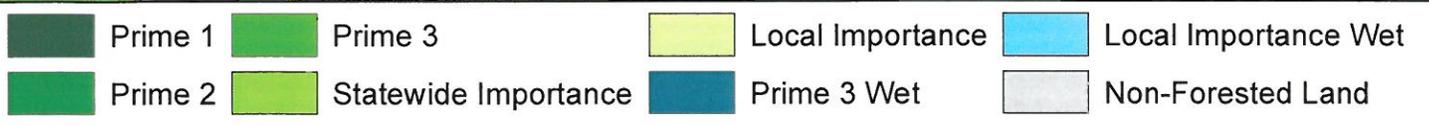
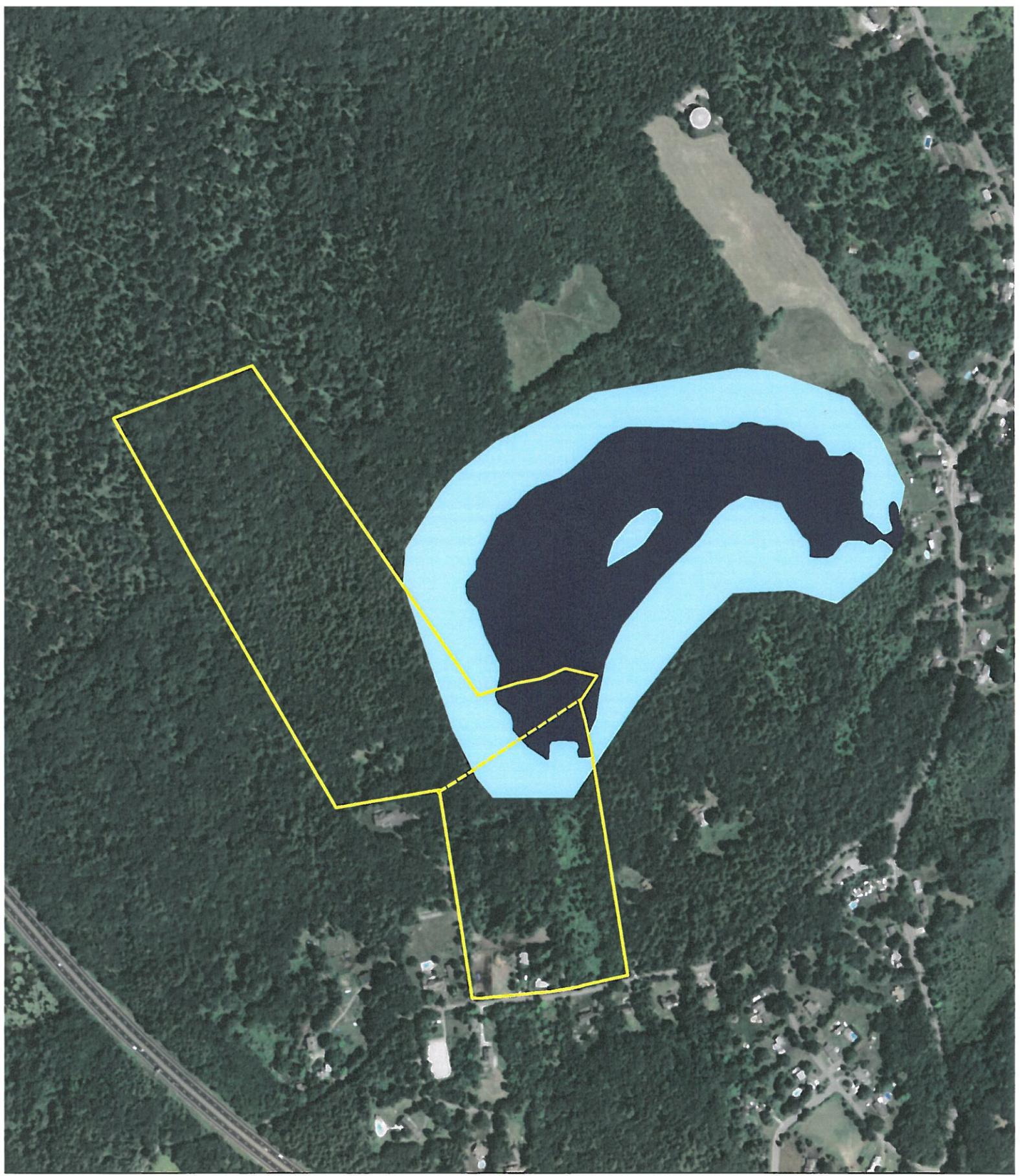


Figure 6. Prime Forest



■ Wetland Core - least disturbed wetlands within undeveloped landscapes
■ Upland buffer

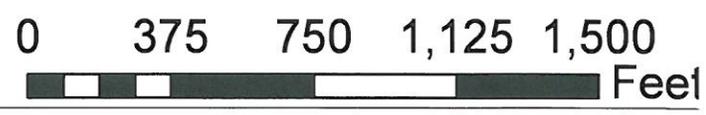


Figure 7. BioMap2

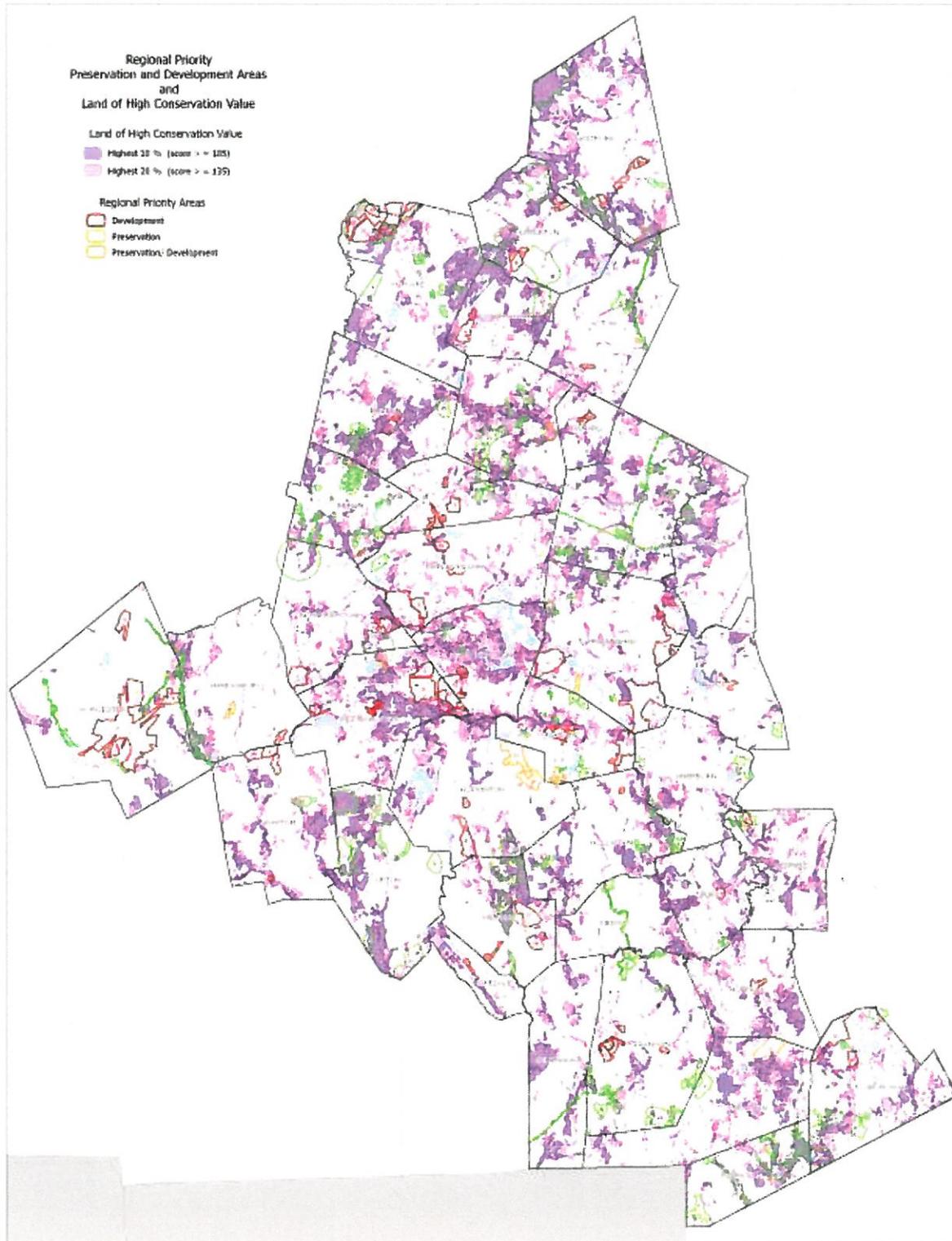


Figure 38. Map of EOEEA GIS Analysis

FIGURE 9



ATTACHMENT 4

Natural Heritage and Endangered Species Review



Division of Fisheries & Wildlife

Jack Buckley, *Director*

May 19, 2016

Amy Green
Conservation Coordinator
Littleton Conservation Commission
37 Shattuck Street
PO Box 1305
Littleton, MA 01460

RE: Town of Littleton LAND proposal
Williams project – rare species information

Dear Ms. Green:

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) supports the efforts of the Town of Littleton to protect the Joyce Williams property adjacent to the Town's Newtown Hill Conservation Area. Currently, the NHESP has no documented habitat of species listed under the Massachusetts Endangered Species Act (MESA) on or near the subject property.

While protection of the subject parcel may not benefit rare species, it will undoubtedly benefit some of the more common flora and fauna in this area. Habitat fragmentation is a major threat to many wildlife, bird, and plant species and the protection of contiguous, undisturbed tracts of habitat is vital to ensuring their long-term viability.

Please do not hesitate to call me at 508-389-6351 if you have any further questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Lynn C. Harper".

Lynn C. Harper
Habitat Protection Specialist
Massachusetts Natural Heritage & Endangered Species Program

www.mass.gov/nhesp



Natural Heritage & Endangered Species Program

1 Rabbit Hill Road, Westborough, MA 01581 Tel: (508) 389-6360 Fax: (508) 389-7890

Help Save Endangered Wildlife!

Contribute to the Natural Heritage & Endangered Species Fund.

ATTACHMENT 5

Massachusetts Historical Commission Review

MAY 20 2016 JP

MASS. HIST. COMM

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

RC60306

APPENDIX A
MASSACHUSETTS HISTORICAL COMMISSION
220 MORRISSEY BOULEVARD
BOSTON, MASS. 02125
617-727-8470, FAX: 617-727-5128

PROJECT NOTIFICATION FORM

Project Name: JOYCE WILLIAMS PROPERTY ACQUISITION

Location / Address: 31 BOXBOROUGH ROAD

City / Town: LITTLETON

Project Proponent

Name: AMY GREEN & LITTLETON CONSERVATION COMMISSION

Address: 37 SHATTUCK ROAD, PO BOX 1305, LITTLETON MA 01460

City/Town/Zip/Telephone: _____

Agency license or funding for the project (list all licenses, permits, approvals, grants or other entitlements being sought from state and federal agencies).

Agency Name

EOEFA

Type of License or funding (specify)

LAND Grant FY 2017

Project Description (narrative): Town is applying for LAND grant to assist with purchase of property for conservation. Parcel would be near +/- 40 acres of the existing +/- 60

Does the project include demolition? If so, specify nature of demolition and describe the building(s) which are proposed for demolition. see bt

NO

Does the project include rehabilitation of any existing buildings? If so, specify nature of rehabilitation and describe the building(s) which are proposed for rehabilitation.

NO

Does the project include new construction? If so, describe (attach plans and elevations if necessary).

NO

After review of MHC files and the materials you submitted, it has been determined that this project is unlikely to affect significant historic or archaeological resources.

5/31/96 (Effective 7/1/93) - corrected

950 CMR - 275

[Signature]
Jonathan K. Patton
Archaeologist / Preservation Planner
Massachusetts Historical Commission

8/3/16
Date

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A (continued)

To the best of your knowledge, are any historic or archaeological properties known to exist within the project's area of potential impact? If so, specify.

no (existing house is outside area being considered for purchase)

What is the total acreage of the project area?

Woodland	<u>38</u>	acres	Productive Resources:	
Wetland	<u>2</u>	acres	Agriculture	<u>0</u> acres
Floodplain	<u>0</u>	acres	Forestry	<u>0</u> acres
Open space	<u>0</u>	acres	Mining/Extraction	<u>0</u> acres
Developed	<u>0</u>	acres	Total Project Acreage	<u>40</u> acres

What is the acreage of the proposed new construction? 0 acres

What is the present land use of the project area? wooded area

Please attach a copy of the section of the USGS quadrangle map which clearly marks the project location.

This Project Notification Form has been submitted to the MHC in compliance with 950 CMR 71.00.

Signature of Person submitting this form: Amy G Date: 5-18-2016
Name: AMY GREEN / LITTLETON CONSERVATION COMMISSION
Address: 37 SHATTUCK ROAD, PO BOX 1305, LITTLETON MA 01460
City/Town/Zip: _____
Telephone: 978-540-2428

REGULATORY AUTHORITY

950 CMR 71.00: M.G.L. c. 9, §§ 26-27C as amended by St. 1988, c. 254.

ATTACHMENT 6

Appraisal Report

Provided Under Separate Cover

ATTACHMENT 7

Land Stewardship Documentation

ANNUAL LAND STEWARD REPORTS AND SUMMARY FOR 2015

Littleton Conservation Commission (LCC) and Littleton Conservation Trust (LCT)

Prepared by Art Lazarus, Director of Land Stewardship for LCT

Date: Feb.15, 2016

Art Lazarus
2/18/16

Contents: 1. Summary 2. Land Steward List 3.LCC Properties 4. LCT Properties 5.Report NEFF Property

1. Summary

Eighteen Land Stewards are associated with the LCT and performing tasks in both LCC and LCT properties. Completed Annual Land Management Reports were submitted by 95% of the Stewards.

Approximately 720 monitoring and work events were performed within 16 properties.

Jim O'Neil leads a special; Project Team to perform tasks that needed more than one person could handle. Projects involve invasives removal, deadfall removal, trail clearing, and foot bridge repair. Andrew Sammarco leads a Senior Tax Work-off team trail clearing and invasive removal at two LCC properties.

For the most part, all trails, parking areas, and signs are in excellent to good condition. There are occasional problems with illegal dumping, graffiti, trash and dog feces.

LCC properties maintained include Bumblebee Park, Oak Hill, Hartwell Preserve, Yapp Conservation land, Long Lake Park, Newtown Hill, Mill Hill, Cloverdale, and Mary Shepherd conservation land.

LCT properties maintained include Sarah Doublet Forest, Holly Park, Conant park, White Tail woods, cob preserve, and Nashoba wetlands.

NEFF property is Prouty Community forest, maintained by two LCT stewards who are also NEFF Forest Stewards. NEFF Interns also do forest projects. The LCC holds the CR for Prouty woods.

It has been noticed by Stewards that conservation land use is increasing, especially at Prouty woods, Long lake Park, and Oak Hill.

Some highlights of specific areas are as follows:

Oak Hill stewards led by Bill Brown, did excellent work maintain the network of trails, including removal of 26 deadfalls, updating the trail map, leading tours, aiding the Eagle scout project at Tophet Chasm, closing unauthorized bike trail, and dealing with uncontrolled dogs.

Long lake Park is gaining popularity. The park was used for K-9 search and rescue exercise. One public tour was done. Dustin Neild, a birder and LCT Trustee, made and installed nine bluebird

boxers and one kestrel box. Two wood duck boxes were installed at Long Lake shore. Most of the boxes had successful hatching.

The Bumblebee Park was updated with the extended Peter Tierney Trail. Extensive amounts of invasives were removed.

Mill Hill trails were extensively cleared by the senior tax work-off group and a new loop trail was completed.

Cloverdale clearing is still awaiting Bay State Foresters (contractor) to begin the mechanical clearing project, previously approved.

At Hartwell, an old ski trail was restored to supplement the existing loop trail.

The Newtown Hill map was updated and a new trail from Tahattawan Road to the water tower was completed.

Sarah Doublet Forest was the site for the well attended Hidden Treasure Program sponsored by the LCT and the Littleton Historical Society.

2. LAND STEWARD LIST

Andrew Sammarco, Richard Buckles, Bill Brown, John Zimmer, Rick Findlay, Jim O'Neil, Karen O'Neil, Carl Rive burg, Dick Andersen, Ray O'Neil, Andrea Curran, Scott Newbold, Art Lazarus, Andrew Halloran, Russ Mullen, Juliana Miller, Calvin Yapp, Kevin Spur.

Littleton Conservation Land Stewardship Program

Annual Land Management Report

Year: 2015

Report #: Newtown Hill

Property Name	
Steward(s)	RICHARD BUCKLES
Date of this Report	1-14-16
Report prepared by	R. B.

Site Condition Notes:

	Good	Fair	Poor	Not Applicable
Signs/Gates	✓			
Entrance		✓ (No sign)		
Parking	✓			
Trails	✓			
Boundary Markers (stone walls, pipes, etc.)	✓			
Waterways	✓			
Roads	✓			
Littering/Vandalism	✓			
Other:				

Public Tours?	MAY 30: LEAD BY SCOTTEVVIS. • APPROXIMATELY 15 ATTENDED
Land Usage?	CONTINUED MODERATE VOLUME: MULTIPLE USE • COMMUNITY GARDEN • WALKING TRAILS • WILDLIFE VIEWING - POND OBSERVATION • AGRICULTURAL: HAY FIELDS • TOWN WATER SUPPLY TOWER • COMMUNICATIONS EQUIPMENT TOWER
Brochures/Maps?	- MAP IS CURRENT AS OF 5/15 AVAILABLE ON-LINE & AT PARKING AREA KIOSK • REVISIONS FOR NEW TRAILS UNDERWAY
Approximate Number of Times Site Visited/Checked By Steward(s)	RICHARD BUCKLES 20 AILEEN 3

29

Projects/Maintenance Completed (attach sheets if necessary)

- REPAIRED & REPAINTED WOOD SIGN AT PARKING AREA.
- BLAZED ALL TRAILS WITH NEW MARKERS: YELLOW FOR MAIN, BLUE FOR LOOPS.
- CLEARED AT SET RIGHT-OF-WAY FROM NEWTOWN HILL PROPERTY LINE THRU SPRONG LAND TO TAHATTAWAN ROAD, MAKING A NEW TRAIL.
- REMOVED A TRUCKLOAD OF TRASH FROM FARMER'S DUMP.
- PERFORMED NECESSARY TRAIL CLEANING.

Projects/Maintenance in Progress

- INTEGRATION OF NEW "SPRONG" TRAIL INTO NEWTOWN HILL TRAIL SYSTEM:
 - DEVELOPMENT OF PARKING PLAN
 - INSTALLATION OF NEW SIGNS.
 - UPDATING OF MAPS & PUBLICATION OF CHANGES.

Projects/Maintenance to Be Done

- INSTALLATION OF A SIGN IDENTIFYING THE PROPERTY ON NEWTOWN ROAD.

Additional Remarks

- THE YEAR WAS ALMOST COMPLETELY FREE OF CAMP FIRES, CAMPING, & ATV TRAFFIC.
- KEEPING A WALKING PATH THROUGH THE BILL MEADOW FROM THE PARKING AREA TO THE TRAIL OPENING REMAINS A PROBLEM: JIM O'NEILL MADE A COUPLE OF PASSES, OTHERWISE SUMMER ALLEYS WOULD HAVE BEEN EVEN WORSE.

Oak Hill's Tophet Chasm - Littleton's Grand Natural Wonder

Saturday, May 14th, 10 am - 3 pm

Field parking off Sanderson Road. Footpath access to Oak Hill's Welcome Area Entrance (follow signs)



Oak Hill and Tophet Chasm - A Most Unusual Place

Oak Hill Conservation Area and Tophet Chasm have stunning features formed by the last glacier; a network of forested hiking trails; stagecoach routes traced by grooves worn in rocks by wheels of their heavy carriages; vestiges of Cold War Era Air Force Electronics Lab and radio signal towers; and views of surrounding communities and roads below, and the Boston skyline twenty-five miles to the southeast. Features will be explained by informative signs and pictures.

Glacial Features

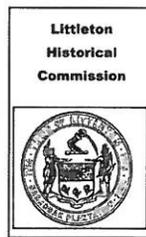
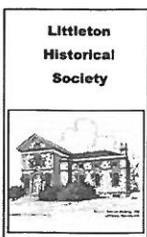
Tophet Chasm is a natural geologic wonder, the only one of its kind in the state, created during the Ice Age around 25,000 years ago when a waterfall almost as high as Niagara Falls cascaded down from the massive glacial Lake Nashua wearing away bedrock to a depth of over 100 feet to create a deep chasm. Walk trails along the rim to look down into the chasm. In addition, explore the sinuous Sanderson Esker created when sand and gravel transported by the glacier were deposited from a rushing glacial melt water stream tunneling beneath the melting glacier ice. Examine glacial erratics, large boulders carried by the glacier and then deposited randomly as the glacier melted away.

Evolving Land Use

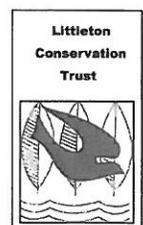
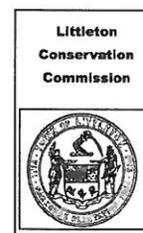
The land where we live has been home to many communities, not just of people, but also of plants and animals. **Meet at the Welcome Area at 1 pm to watch the Live Native New England Animals Presentation.**

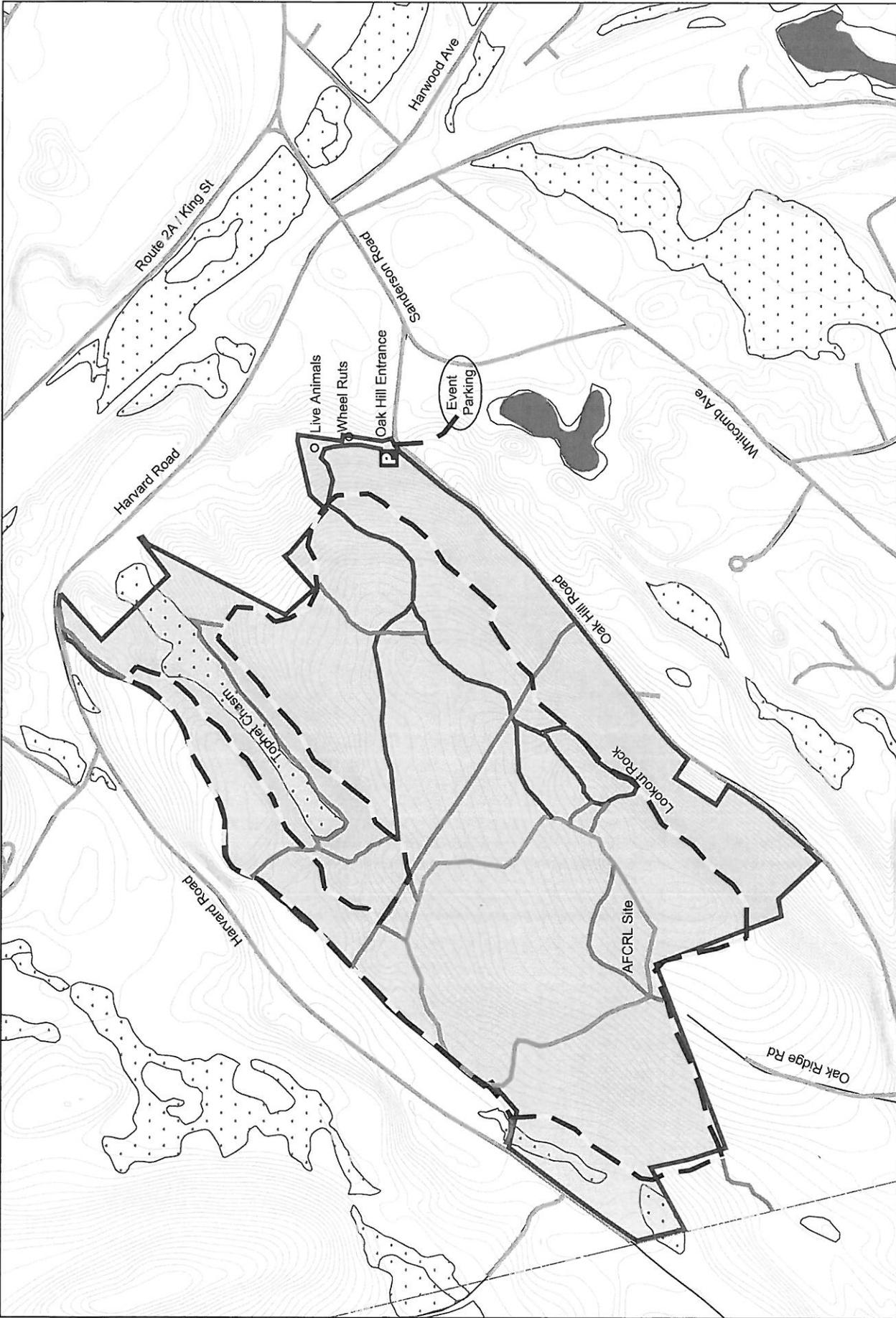
At one time, this was the home of Native Americans whose culture was passed down for generations. English Puritans brought their own customs and beliefs. Their disparate beliefs created conflicts between the two cultures. Listen to a Native American story about Gluscabi and the Game Animals. **Meet at the Welcome Area at 11 am or 2 pm for a walk to Tophet Chasm where the story will be told.** Learn why this geologic wonder was named "Tophet Chasm".

Littleton's Tophet Chasm event is part of the Freedom's Way National Heritage Area's 2016 Hidden Treasures program - with over 60 partners hosting over 100 FREE events from Saturday May 14 through Sunday May 22. Freedom's Way works in partnership with the National Park Service. Learn more at www.DiscoverHiddenTreasures.org Tophet Chasm and Oak Hill Conservation Land is under the control and management of the Littleton Conservation Commission and stewarded with the assistance of the non-profit Littleton Conservation Trust. For details and updates please see www.LittletonConservationTrust.org



Freedom's Way National Heritage Association





LEGEND

- TOPOGRAPHIC CONTOUR (5 FEET)
- SURFACE WATER
- PARK BOUNDARY
- PROPERTY BOUNDARY
- RED TRAIL
- YELLOW TRAIL
- BLUE TRAIL
- GREEN TRAIL
- CONNECTOR TRAIL

SOURCES OF DATA:
 TRAILS: U.S. BUREAU OF LAND MANAGEMENT
 TOPOGRAPHY: MASS GIS
 OTHER FEATURES: MASS GIS

1 INCH = 800 FEET

OAK HILL

LITTLETON HIDDEN TREASURES

Tophet Chasm: Littleton's Grand Natural Wonder
 May 14, 2016 10:00 AM - 3:00 PM

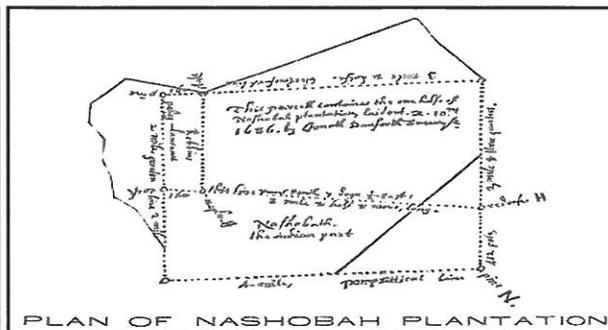
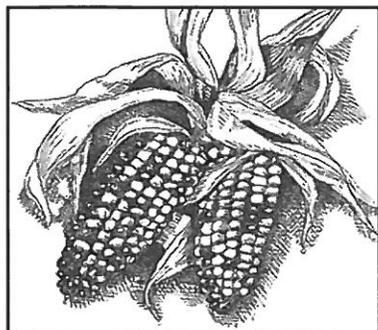
Sarah Doublet's Nashoba Village

Littleton's Hidden Treasure Open House

Saturday May 16th, 10am-4pm

Free and open to all

On Charter Way, off Nashoba Road, Littleton, Massachusetts
(located between Camp Nashoba and Nagog Hill Orchards)



Learn about Sarah Doublet and Nashoba Village

- ~ Hear the story of Sarah Doublet (Wunnuhew), her Praying Village, and how the land use changed over time following her departure
- ~ Walk land chosen by Sarah's Nipmuc Tribe
- ~ Learn why Nashoba Village is a special place

Experience Algonquin –Nipmuc Activities

- ~ Plant Three Sisters corn mounds (corn, pole beans, and squash) and see former corn mounds
- ~ Examine native foods
- ~ Identify native food sources
- ~ Play and watch games of skill and chance
- ~ Learn how to weave baskets
- ~ Stone mill Indian corn into cornmeal
- ~ Hand press apple cider

Explore the Nature Reserve

- ~ Search for natural and cultural features (children's scavenger hunt and activities passport)
- ~ Hike with guided interpretive walk
- ~ Explore on own with a map
- ~ Observe native wildlife
- ~ View scenic landscapes and special sites

Hidden Treasures Weekend on May 16 and 17, 2015, will feature dozens of free, fun, and creative activities for intergenerational audiences that explore the history, culture, and nature of the 45 communities in the Freedom's Way National Heritage Area, home to over 750,000 people. Freedom's Way's sponsorship of Hidden Treasures Weekend connects the people, places, and communities of the Heritage Area in order to protect and promote our shared resources and to encourage residents and visitors to explore our landscape, history, and culture. To learn more, visit: <http://www.freedomsway.org/>. Sarah Doublet's Nashoba Village event is part of the Hidden Treasure's Weekend regional program and will be conducted for one day, Saturday, May 16th. Financial support for Sarah Doublet's Nashoba Village event has been received from the Henry Vincent Couper Charitable Foundation, the Freedom's Way National Heritage Association, the Littleton Historical Society, and the Littleton Conservation Trust.

Littleton
Historical
Society



Littleton
Historical
Commission



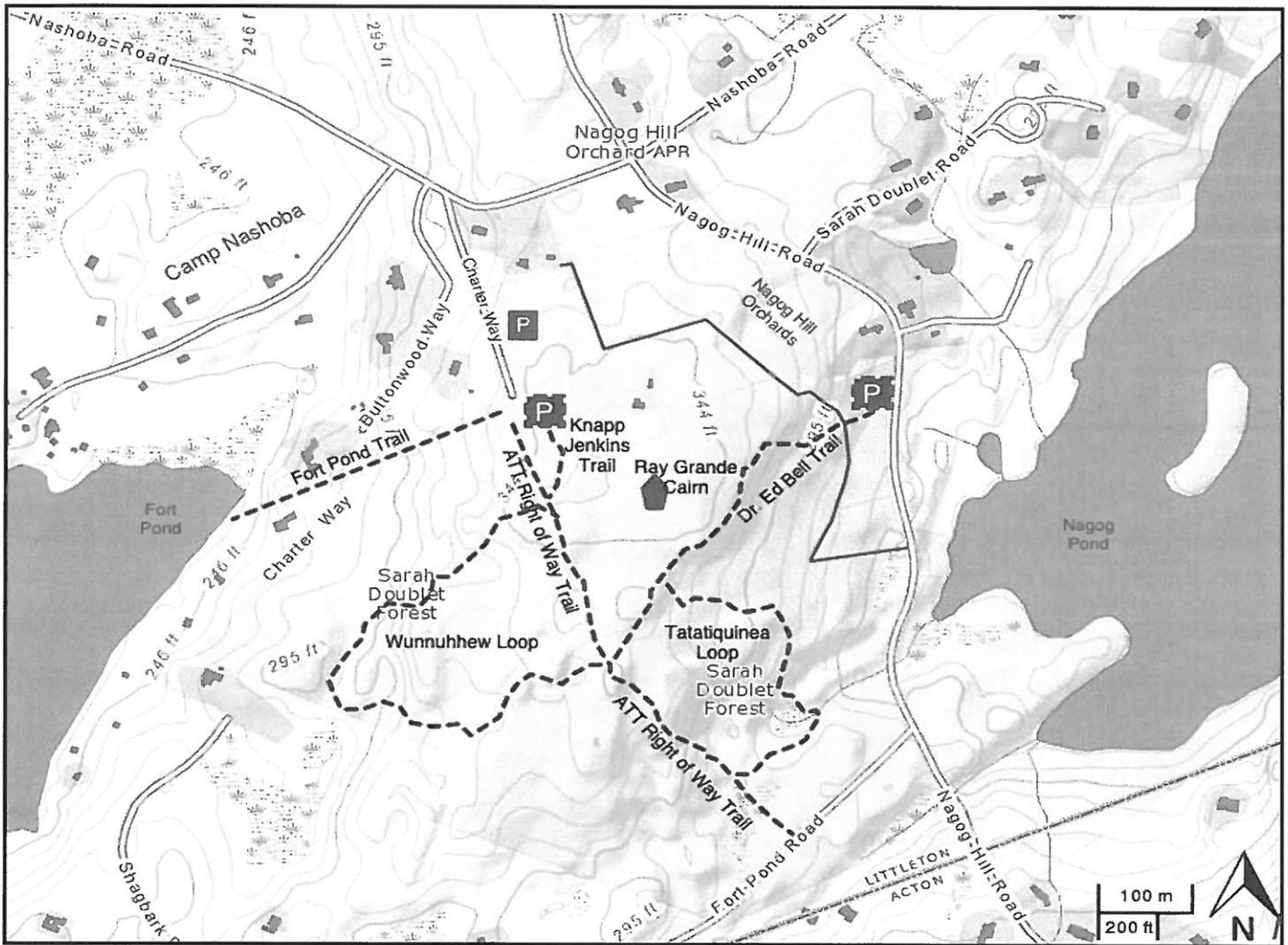
Littleton
Conservation
Trust



Freedom's Way National
Heritage Association



Sarah Doublet Forest and Nature Reserve Map (main access from Charter Way off Nashoba Road)



Sarah Doublet (Wunnuhew) was the last native Nipmuc resident living at the Nashoba Praying Indian Village/ Newtown Village. When she aged, becoming nearly blind and infirm, she relinquished her deed to this property and relocated with care giving relatives at the Jones Tavern and general store in present day South Acton.

The Sarah Doublet Forest and Nature Reserve as part of the Newtown Village and Nashoba Praying Indian Village is strategically located between Nagog and Fort Ponds and close by the “roaring hill”. These properties were selected by the Nipmuc Tribe for the land’s special qualities. Nashoba in Algonquin language translates as “between the waters”.

The publicly accessible 96 acre Sarah Doublet Forest and Nature Reserve, named in Sarah Doublet’s honor, is now owned and stewarded by the all-volunteer Littleton Conservation Trust. A network of trails showcases the scenic beauty of this parcel. A complete guide to all of Littleton’s conservation lands is available in hard-copy at the Reuben Hoar Library or online at LittletonConservationTrust.org

Updated information on the Sarah Doublet’s Nashoba Village event can be found on these websites:

LittletonHistoricalSociety.org

LittletonConservationTrust.org



Proposal

Cloverdale Farmland Restoration
Great Road, Littleton, Massachusetts
2 September, 2015

This proposal is a response to the Cloverdale Farmland Restoration Project, dated July 30, 2015. The methodology proposed is described in this proposal, and total costs are identified for completing Area 1, Area 2, and Areas 1 and 2 combined. Due to our approach for completing this project, the costs for both Areas 1 and 2 will be favorable compared to completing only Area 1 or Area 2.

Area 1

1. Remove all pine and hardwood except for selected specimen trees and fruit trees.
This will be completed by a mechanized chipping/landclearing operation. Chips will be removed from the site as a part of this phase of the project. It is expected that most of area 1 can be cleared this way, but there may be a strip along the wetland edge that cannot be accessed by this machinery. In this case, the trees adjacent to the wetland area will be cut by hand.
2. Remove or grind all stumps 12" below finish grade
This will be completed with a combination of stump grinders which will grind stumps below the grade of the ground, and an excavator that will pull stumps and bury them or put them on trucks for removal. Stumps that are on hills that will be smoothed out will be removed by the excavator. Small stumps in other areas may be removed by the excavator. Larger stumps in areas that are flat will be ground in place. If stumps are to be removed, the site where they will be disposed of will be provided to the Town of Littleton upon request.
3. Level small mounds of earth.
Upon completion of tree removal and stumping, an excavator and/or bulldozer and/or tractor with a front loader (and or all of this machinery necessary will be used) will be on site to complete the smoothing out of the mounds, repositioning/burial of stones, and final grading of the site.
4. Remove invasive shrubbery, primarily glossy buckthorn.
A mower mounted on a skid-steer will be utilized to cut/mulch any material that is not removed by the whole-tree chipping operation described in item 1. It is expected that this may only be necessary along the edge of Area 1 along the wetland edge and along the side of the road.

5. Reposition and/or bury large loose stones
See item 3 for the methodology for this item.
6. Rough grade in preparation for seeding
See item 3 for the methodology for this item.
7. Install Straw Waddle along the wetland edge
An ATV will be utilized to transport waddles to the vicinity where they will be installed.
Waddles will be installed by hand and staked in place with wooden grade stakes. Waddles will be installed along the flag line established by the Town of Littleton.

Area 2

Two options are possible for conducting the work in this area. If the ground conditions are favorable, this area may be included in the whole-tree chipping operation. In this case, temporary crossings of the stream channels will be installed, including steel pipe to allow for water flow, and poles/corduroy to fill the channel and protect the stream banks. Alternatively, a temporary bridge bay be utilized. Wooden mats (skidder bridges) will be used to cross areas of soft ground to prevent rutting and soil erosion. If the ground conditions will not support the larger machinery, trees in this area will be bucked to lengths that can be transported by skid-steers with grapples, so that the larger material can be chipped in stand 1, or piled for firewood to be distributed by the Conservation Commission. Tops of trees will be transported to area 1 to be chipped and removed, or will be chipped/ground within stand 2. If the tops are chipped in stand 2, the chips will be placed in defined locations or scattered within the area, in a manner acceptable to the Conservation Commission.

Skid-steer mowers will be utilized to clear all vegetation that is not marked for retention within the defined treatment area. Native vegetation such as winterberry and huckleberry will be protected wherever possible. Access to this site may be from temporary bridges across the stream crossings, or by removal of a section of guide rail along Route 119. A tractor with a york rake will be utilized to complete rough grading in areas necessary to prepare for seeding.

A straw waddle will be installed along the wetland edge as flagged by the Conservation Commission. Prior to installation, cutting of vegetation where the waddle will be installed will be completed where necessary.

If roadside trees cannot be safely removed with the whole tree chipping operation, these trees will be removed from a bucket truck operating from Great Road. This will require a road detail, to be coordinated by Bay State Forestry Service.

Schedule

Upon award of this contract, Bay State Forestry Service will begin to coordinate subcontractors and internal staff and equipment to get this project completed. It is anticipated that work will begin in November of 2015. Depending on subcontractor availability and weather conditions, the project may not be completed prior to winter weather conditions. If wet conditions or deep snow cover occur, the project may be put on hold until favorable weather conditions return. This could be in late spring or summer of 2016. Since this site is wet and prone to erosion problems, this approach will allow for achievement of the best results. It is expected that if weather conditions warrant suspension of the project, that this will not initiate penalties for non-completion.

**Cloverdale Farmland Restoration
Great Road, Littleton, Massachusetts**

Costs

Areas 1 and 2

Completion of all work items in both areas 1 and 2:
\$37,985.00

If the above price cannot be paid for the entire project, the following prices are proposed to complete the work in each area independently:

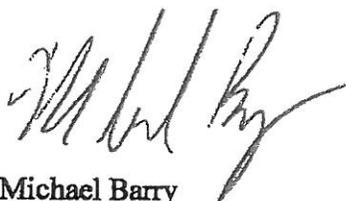
Area 1

Completion of all items described in Area 1 in the proposal:
\$23,650.00

Area 2

Completion of all items described in Area 2 in the proposal:
\$21,545.00

Proposal submitted by:



Michael Barry
Mass. Licensed Forester
468 South Mountain Road
Northfield, MA 01360
(774) 364-4192

ATTACHMENT 8

Town Meeting Vote

ARTICLE X
Board of Selectmen
Acquisition of Land at 31 Boxborough Road

To see if the Town will vote (i) to authorize the Board of Selectmen to acquire by purchase, gift or eminent domain for passive outdoor recreation and conservation purposes the fee interest in a certain parcel of land at 31 Boxborough Road, containing 32.25 acres, more or less, shown as Parcel A, along with an associated access easement and parking area, all as shown on a map entitled "Plan of Land in Littleton, Mass. owned by Joyce W. Williams," prepared by David E. Ross Associates, Inc. and dated July, 2016, which map is on file in the Office of the Town Clerk, and being a portion of the property described in a deed recorded in the Middlesex South Registry of Deeds in Book 14640, Page 109, together with and subject to all rights, restrictions and easements of record, on such terms and conditions as the Selectmen may determine; provided that said land is to be conveyed to the Town of Littleton under the provisions of Chapter 40, Section 8C of the General Laws, as it may be hereafter amended, and other Massachusetts statutes relating to conservation and passive recreation, to be managed and controlled by the Littleton Conservation Commission; (ii) to appropriate \$_____ or some other amount to pay costs of purchasing the property described herein, including the payment of all costs incidental and related thereto, and to determine whether this amount should be raised by borrowing, transfer from available funds, taxation or otherwise; provided that such appropriation shall be contingent upon the award of a grant under the Commonwealth's Local Acquisitions for Natural Diversity (LAND) Program; and provided further that that to the extent any federal, state or other funds are or become available for the purposes outlined in this Article, the Board of Selectmen and any other applicable boards or commissions of the Town are authorized to apply for and accept such funds and that the amount authorized to be borrowed for this purpose shall be reduced to the extent of any grants or gifts received by the Town on account of this project; (iii) to authorize the Board of Selectmen and the Conservation Commission to enter into all agreements and execute any and all instruments as may be necessary on behalf of the Town of Littleton to effect said acquisition or purchase or grants; or (iii) to take any other action in relation thereto.

ATTACHMENT 9

Open Space and Recreation Plan Relevant Pages

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
Goal #1: Protect and enhance the quality of Littleton's surface and groundwater as a source of drinking water and for recreational use.					
1.1 Protect all surface and sub-surface waters	Conservation Commission, Littleton Conservation Trust, Water Dept., Clean Lakes Committee	Town-regulatory changes/grants	Top	Priority	For this Goal
1.2 Educate residents on the importance of water quality (e.g. negative impacts of excessive lawn fertilizers and pesticides)	Littleton Water Department and the Clean Lakes Committee		X	X	X
1.3 Identify and acquire potential new well sites	Littleton Water Department		X	X	X
1.4 Identify and pursue grant funding options for lake restoration	Clean Lakes Committee		X	X	X
1.5 Establish volunteer "stream team" for monitoring water quality in Beaver Brook	Conservation Commission and Littleton Cons. Trust		X	X	X
1.6 Establish programs to eradicate invasive aquatic plant species without the use of harmful chemicals	Conservation Commission, Littleton Cons. Trust, Water Dept., Clean Lakes Committee		X	X	X
Goal # 2: Preserve Littleton's important land resources through land acquisition, conservation restrictions, agricultural preservation restrictions, improved management, and education.					
2.1 Purchase open space of interest and farmland as it comes available, and stay aware of upcoming opportunities	Conservation Commission, Littleton Conservation Trust, Littleton Selectmen, Agricultural Commission		Top	Priority	For this Goal

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
2.2 Work with interested and willing landowners to put land under conservation restriction or agricultural restriction	Littleton Conservation Trust, Conservation Commission, Agricultural Commission		X	X	X
2.3 Permanently protect town owned land not currently protected under Article 97	Littleton Selectmen, Conservation Commission		X	X	X
2.4 Work with the Agricultural Committee to ensure the long-term viability of existing farm operations	Littleton Selectmen, Conservation Commission, Littleton Conservation. Trust		X	X	X
2.5 Improve maintenance to existing open space properties	Littleton Conservation Trust, Conservation Commission, Littleton Highway Department, OSRPIC, Volunteers, Agricultural Commission		X	X	X
2.6 Inventory, monitor and develop management plan for land-based and aquatic invasive species control or eradication	Littleton Conservation Trust, Conservation Commission, Littleton Highway Department, OSRPIC		X	X	X
2.7 Provide environmental education to residents through newspaper articles, walks, school programs and outreach events	Littleton Conservation Trust, Conservation Commission, OSRPIC		X	X	X
2.8 Continue and expand Land Stewardship Program	Littleton Conservation Trust, Conservation Commission, OSRPIC		X	X	X
2.9 Acquire in fee or by voluntary easement, sites of cultural and/or historical significance.	Conservation Commission, Historical Commission, Board of Selectmen, Agricultural Commission		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
Goal #3: Provide improved recreational opportunities and greater access to recreational facilities for Littleton residents of all ages and abilities.					
3.1 Create and implement a comprehensive plan for maintenance, repair, and acquisition and/or construction of adequate playing field capacity for the town.	Town of Littleton, Parks and Recreation Commission, Community Preservation Committee, Agricultural Commission		Top	Priority	For this Goal
3.2 Rebuild or renovate the bathhouse at Long Lake	PMBC, Planning Board, Parks and Recreation Commission	CPC, Grants, and donations	X	X	X
3.3 Completion of the additional phases at 300 King. This includes installation of a fit course that would add active recreation for the elderly and individuals with disabilities, extension of the walking path, landscaping, and bathroom access.	PMBC, Planning Board, Parks and Recreation Commission		X	X	X
3.4 Explore opportunities for a community center	Parks and Recreation, Council on Aging, Veteran's Affairs	CPC, Grants, and donations, Town funds	X	X	X
3.5 Make recreational facilities wheelchair-accessible and ADA compliant	Town of Littleton, Parks and Recreation Commission		X	X	X
3.6 Develop/support more programs for youth/teens	Parks and Recreation Commission		X	X	X
3.7 Develop/support more programs for seniors	Parks and Recreation Commission		X	X	X
3.8 Enlist community's aid in maintenance of facilities where applicable	Parks and Recreation Commission		X	X	X
3.9 Build more sidewalks for better access to facilities	Littleton Highway Department		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
3.10 Provide benches and picnic tables at more locations	Town of Littleton		X	X	X
3.11 Provide for ADA compliance at conservation	Littleton Conservation Commission		X	X	X
3.12 Find logical routes for bike paths bikeways, walkways and work to develop them	Planning Board, Bicycle and Pedestrian Advisory Committee		X	X	X
3.13 Study feasibility of constructing facilities that can be utilized for youth and senior citizens	PMBC, Planning Board, and Council on Aging		X	X	X
3.14 Implement bicycle lanes into existing and future town roadways in compliance with the town's Complete Streets Policy			X	X	X
Goal #4: Find funding resources outside of taxes for protecting open space or building recreation facilities.					
4.1 Work with Finance Committee to locate available funding sources	Finance Committee, Conservation Commission, Board of Selectmen		Top	Priority	For This Goal
4.2 Increase funds to CPA account	Town of Littleton, Community Preservation Committee		X	X	X
4.3 Increase funds to cell tower accounts and continue the use of said funds for conservation purposes and acquiring conservation land	Town of Littleton		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
4.4 Consider other sources of community income which might be dedicated to preservation of open space or building new recreation facilities	Littleton community		X	X	X
4.5 Work with Agricultural Property Working Group to establish appropriate lease fee rates for town owned agricultural properties	Conservation Commission, Board of Selectmen, Agricultural Commission, Agricultural Property Working Group		X	X	X
4.6 Partner with qualified conservation land trust organizations to protect land of mutual interest and work to keep land that is in active agricultural use in said use.	Town of Littleton		X	X	X
4.7 Apply for L.A.N.D. grants as parcels of land become available	Town of Littleton		X	X	X
4.8 Apply for Recreational Trails grants	Town of Littleton		X	X	X
4.9 Apply for P.A.R.C. grants for active recreational needs	Town of Littleton		X	X	X
4.10 Develop a funding source for active recreation and facility maintenance	Park and Recreation Department		X	X	X
4.11 Establish partnerships with Businesses and Corporations in Town to carry out projects that will improve "quality of life" in Littleton and help attract clients and personnel	Town of Littleton		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
4.12 Apply for Farm Viability Program funds through Massachusetts Department of Agricultural Resources	Town of Littleton, Agricultural Commission, Conservation Commission		X	X	X
4.13 Advocate having Littleton included in the federal forest legacy program, as well as other state and federal funding programs	Con Com, State, Board of Selectmen, Littleton Cons. Trust, Agricultural Commission		X	X	X
Goal #5: Balance development with the preservation of open space to help retain Littleton's rural character.					
5.1 Establish partnerships with land owners and developers to preserve valuable portions of land in exchange for expanded development opportunities	Planning Board, Conservation Commission, Littleton Conservation Trust, Agricultural Commission		Top	Priority	For This Goal
5.2 Work with landowners who are interested in voluntary CRs and APRs	Conservation Commission, Agricultural Commission, Littleton Conservation Trust, NEFF, Agricultural Commission		X	X	X
5.3 Educate the public and encourage the acceptance and use of transfer of development rights among willing land owners	Planning Board, Agricultural Commission, Conservation Commission		X	X	X
5.4 Develop an Agricultural Incentive District to preserve prime and other agriculturally significant properties.	Planning Board, Department, Conservation Commission		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
5.5 Educate citizens about and promote the use of voluntary conservation and agricultural restrictions and easements	Conservation Commission, Agricultural Commission, Littleton Conservation Trust, NEFF, Agricultural Commission, and other qualified land conservation organizations		X	X	X
5.6 Certify additional vernal pools on public land	Conservation Commission and volunteers		X	X	X
5.7 Continue preservation of open space and agricultural lands through the use of the Planning Board's open space cluster bylaw	Planning Board, Agricultural Commission		X	X	X
5.8 Build more sidewalks for better access to facilities	Littleton Highway Department		X	X	X
5.9 Study feasibility of constructing facilities that can be utilized for youth and senior citizens	PMBC, Planning Board, and Council on Aging		X	X	X
Goal #6: Link Littleton's open spaces and trails both throughout the Town and on a regional level, particularly near shared natural resources.					
6.1 Work with local conservation commissions and land trusts from contiguous towns to identify parcels of open space which might be connected across town borders	Conservation Commission, Littleton Conservation Trust, Board of Selectmen		Top	Priority	For This Goal

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
6.2 Acquire parcels of land in fee or by department/agency transfer in Littleton which are adjacent to existing open space in order to create a broader protected area	Littleton Conservation Trust, Conservation Commission, Town Land Sale Committee, SVT, land protection organizations		X	X	X
6.3 Map potential trail corridors and “greenways” on public land for pedestrian traffic and bike ways	OS&RPIC, Littleton Conservation Trust, Parks and Recreation Commission, NEFF		X	X	X
6.4 Expand trail system to connected multiple open space and recreational areas across town via public/land trust-held land	Conservation Commission, Littleton Conservation Trust, SVT		X	X	X
Goal #7: Promote the use of Littleton’s open space by residents, through developing better access to publicly accessible protected properties and encouraging community participation in open space maintenance.					
7.1 Improve/expand parking areas near open space properties, including Handicapped Parking (HP) as applicable	Conservation Commission, Littleton Highway Department		Top	Priority	For This Goal
7.2 Develop “Community Work Days” for maintenance of open space	Littleton Conservation Trust, Conservation Commission, OSRPIC		X	X	X
7.3 Work with students to fulfill their community service requirements through maintenance of open space	Littleton Highway Department, Conservation Commission		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
7.4 Continue to recruit volunteer land stewards, and expand current volunteer public open space maintenance programs.	Littleton Conservation Commission, OSRPIC		X	X	X
7.5 Continue to utilize senior citizen tax-work-off volunteers for invasive plant control, as well as maintenance, on town properties	Town of Littleton		X	X	X
7.6 Develop and implement policies regarding dog conduct and control on open space properties to ensure public safety	Littleton Conservation Commission, Board of Selectmen, Animal Control; LCT		X	X	X
7.7 Add signage at town open space properties to promote a “carry in, carry out” policy regarding litter	Littleton Conservation Trust, Highway Dept.		X	X	X
7.8 Continue to work with aspiring Eagle Scouts by sponsoring projects to better existing and future town open space properties	Conservation Commission and LCT		X	X	X
Goal #8: Enhance bicycle and pedestrian access and safety throughout town					
8.1 Establish more bicycle and pedestrian routes on new and existing town, and state owned land and Littleton Conservation Trust land	Conservation Commission, Littleton Conservation Trust, Bicycle/ Pedestrian Advisory Committee, Highway Dept, Planning Board, Board of Selectmen, State		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016- 2018	2019- 2021	2022- 2023
8.2 Add more signage and marked lanes to bicycle and pedestrian routes as needed and applicable	Conservation Commission, Littleton Conservation Trust, Bicycle/ Pedestrian Advisory Committee, Highway Dept, Planning Board, Board of Selectmen, State		X	X	X
8.3 Establish more bicycle lanes and sidewalks on new and existing roads	Bicycle and Pedestrian Advisory Committee, Highway Dept, Planning Board, Board of Selectmen, State		X	X	X
8.4 Incorporate sidewalks and bicycle routes into development planning via the Town's "Complete Streets" policy	Bicycle and Pedestrian Advisory Committee, Board of Selectmen, Planning Board		X	X	X
8.5 Build more sidewalks for better access to facilities and commercial sites	Littleton Highway Department, State		X	X	X
8.6 Educate the public about bicycle and pedestrian safety, and encourage the use of bicycles and walking as forms of transportation	Police Dept., Bicycle and Pedestrian Advisory Committee		X	X	X
Goal # 9: Identify and preserve significant Native American, historical and culturally significant sites.					
9.1 Create a Town historic or neighborhood conservation district	Historical Commission, Board of Selectmen		Top	Priority	For This Goal
9.2 Preserve lands with known/documented historical value	Historical Commission, Board of Selectmen, Con Com, Littleton Cons. Trust, Community Preservation Committee, Agricultural Commission		X	X	X

Table 9-1 Seven-Year Action Plan					
Action	Who	Funding AS available/TBD	2016-2018	2019-2021	2022-2023
9.3 Obtain and/or review local and state resources on the historical significance of land in town	Historical Commission, Board of Selectmen, Con Com, Littleton Cons. Trust, Community Preservation Committee, State		X	X	X
9.4 Perform archaeological assessments and field reviews of town, state, and other publicly accessible land that may be of historical significance	Historical Commission, Board of Selectmen, Con Com, Littleton Cons. Trust, Community Preservation Committee, State		X	X	X

Action Plan Showing Top Priorities for Each Goal

