



JOSEPH A. CURTATONE  
MAYOR



**CITY OF SOMERVILLE, MASSACHUSETTS  
COMMUNITY PRESERVATION COMMITTEE  
FY17 FUNDING CYCLE  
APPLICATION COVER PAGE**

**1. PROJECT INFORMATION**

PROJECT NAME: Butterfly Garden Pocket Park  
PROJECT LOCATION: Mohse - Kelley  
LEGAL PROPERTY OWNER OF RECORD: City of Somerville  
ONE SENTENCE DESCRIPTION OF PROJECT: Creation of a garden and passive space with Native plantings, benches and a trail

Please indicate (X) all categories that apply to this project (minimum of one) in the chart.

	Open Space	Recreational Land	Historic Resources	Community Housing (blended projects only)
Acquisition				
Creation			<input checked="" type="checkbox"/>	
Preservation				
Support	<input checked="" type="checkbox"/>			
Rehabilitation/Restoration				

ESTIMATED START DATE: Spring 2017  
ESTIMATED COMPLETION DATE: Fall 2017  
CPA FUNDING REQUEST: \$13,000.00  
TOTAL BUDGET FOR PROJECT: \$13,000.00

**2. APPLICANT INFORMATION**

APPLICATION NAME / ORGANIZATION: Victoria 'Tori' Antonino / Green + Open Somerville  
CO-APPLICATION NAME / ORGANIZATION: Arn Franzen / Parks and Open Space  
CONTACT PERSON: Tori Antonino  
MAILING ADDRESS: 65 Boston St Apt 2  
PHONE: (781) 964-6873 EMAIL: \_\_\_\_\_

**3. SIGNATURES**

I (we) certify that all information provided in this entire submission is true and correct to the best of my (our) knowledge and that no information which might reasonably affect funding has been excluded. I (we) authorize the Community Preservation Committee and/or the City of Somerville to obtain verification from any source provided.

Name (printed) Victoria Antonino Signature [Signature] Date 12/5/16  
Name (printed) ARN FRANZEN Signature [Signature] Date 12/5/16



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# CITY OF SOMERVILLE, MASSACHUSETTS COMMUNITY PRESERVATION COMMITTEE FY17 FUNDING CYCLE

## SUBMISSION REQUIREMENTS CHECKLIST

Please check (✓) each item included in your submission, which should include the applicable items in the order listed below.

### GENERAL:

- Application Cover Page (form provided)
- Submission Requirements Checklist (this form)
- Narratives (prompts provided)
- Project timeline: a project schedule showing all major milestones (i.e., study, design, environmental permitting, construction, etc.), including receipt of other funding sources
- Grant and Trust Funds Disclosure Form (form provided)

### FINANCIAL:

- Budget Summary (form provided)
- Itemized budget of all project costs, including the proposed source for each cost
- At least two written quotes for project costs. If quotes cannot be secured, detailed cost estimates may be used if a thorough explanation of the estimates is included.
- Proof of secured funding (e.g., commitment letters or bank statements), if applicable

### VISUAL:

- Map of the property location showing all features pertinent to the project, including current or future rapid transit stations
- Photos of the project site (not more than 4 views per site); include digital copies

### OWNERSHIP/OPERATION (NON-CITY):

- Documentation of site control or written consent of the property owner to undertake the project, if the owner is not the applicant
- If the City has signed on as a co-applicant for community projects proposed on City land.
- Certificates of Good Standing from the City and the State, if applicable
- 501(c)(3) certification, if operating as a non-profit
- Purchase and sale agreement or copy of current recorded deed, if applicable

### COMMUNITY SUPPORT (RECOMMENDED):

- Letters of support from residents, community groups, other City boards, commissions, or departments, or from City, state, or federal officials

### HISTORIC RESOURCES PROJECTS:

- Documentation that the project is listed on the State Register of Historic Places or a written determination from the Somerville Historic Preservation Commission that the resource is significant in the history, archeology, architecture, or culture of Somerville.
- Photos documenting the condition of the property
- Report or condition assessment by a qualified professional describing the current condition of the property, if available.

### PLANS AND REPORTS (IF AVAILABLE; SUBMIT DIGITAL COPIES ONLY)

*Handwritten note:* enable cut water Hookup path

## Project Description

1) Describe the project, including the project location and the property involved.

The project is a pollinator garden pocket park on the Summer Street side of Morse-Kelley Playground. The City of Somerville owns this property.

2) Why is this project needed? How does it preserve and enhance the character of Somerville? What populations will it serve?

Our native pollinator populations are in decline because of pesticide use in agribusiness, cell towers, light pollution and the way we landscape. It is estimated that 90% non-native plant species are used in our gardens and public parks. Landscaping this way means we have taken away the habitat, food source, and areas of reproduction of pollinators. If pollinators cannot eat and reproduce they die. If we give them back their homes by planting species indigenous to the area (pre 1492), then they will live.

All plants produce toxins when they are attacked (eaten).. Throughout the course of evolution pollinators become immune to the toxins of a specific plant. In order for their larvae to survive, pollinators will need to lay their eggs on the plants whose toxins they are immune to.

An example of this is the Monarch butterfly. Monarchs can only survive on plants in the milkweed family. Monarch butterflies must lay their eggs on these plants that their larvae will feed on in order to pupate. Simply put: No milkweed, no Monarchs.

When we plant non native plants our native pollinator species cannot survive because they cannot procreate. If our native pollinators die out, all the birds and animals that depend on them for food and pollination of food die as well.

We need this project and more like it to address the current pollinator decline crisis.

We also need this project to address the crisis of the human disconnect to nature. Natural surroundings is needed for our mind and body health. Natural spaces clean the air, relieve our stress and make us happy. The wonder and beauty that nature provides

is essential to who we are. We do better when we share our spaces with the rest of the creatures.

Somerville's character is evolving into one of sustainability, environmental awareness and creating community. Creating sustainable green spaces that we can build together and share with each other guides us in that direction...

The project provides sanctuary from the hubbub of city life. It is a passive space for people to sit, contemplate and enjoy the surroundings. It provides an educational opportunity to learn about pollinators to plant relationships, sustainable landscaping and the importance of ecosystems.

This project serves all the residents of Somerville who want to come by and enjoy the space.

3)How does the project meet the general and category-specific priorities outlined in the Community Preservation Plan, including how the project incorporates sustainable building practices and design?

This project supports Somervision's goals of becoming sustainable, adding more green space, forwarding us on our goal to carbon neutrality, creating community projects that strengthen our bonds and brings us together, making gathering spaces that serve everyone.

Sustainability:

We are planting a drought tolerant garden with native flowers,shrubs and trees.

We are creating an ecosystem not just putting plants in. Ecosystems become self sustaining and foster wildlife and biodiversity of species.

We are planting with succession in mind. Anticipating how this project will evolve over the course of 5 years enable us to choose the correct trees and plants for the changing environment. For example if we are planting a perennial near a sapling, we must consider the perennial shade tolerance in the coming years. Or if we want to keep certain areas sunny we may choose to install a small tree or large shrub instead of a larger tree that would block more light.

We are requesting funds to consult with a design firm specializing in green infrastructure and Low Impact Design (stormwater capture) to see what else we can do to keep to have it be even more sustainable.

In redesigning this space atop Morse Kelley Playground, we are creating an accessible and useable space for passive recreation, as well as turning this open space into a nature preserve. Currently it is a drought area for native flora and fauna. We also wish to include the Artisan's Asylum in designing signage (or helping us make signage) for identification and informative purposes. This will be a space of beauty and wonder.

## Measuring Success

The goals of this project is to:

Transform underused city space into a native plantings place where pollinators can live, eat and reproduce.

Create a passive recreational area where residents can be reconnect with nature and receive the benefits nature gives.

With signage and classes, create a space of learning about ecosystems and the importance and pride of being a land steward.

We will be measuring success, by coordinating and providing a list of volunteers who will help on this project, updating you regularly and sending pictures on the project status, and inviting you to see and participate in construction.

## Financial

This project is to be created by the community. We have a basic design, but will ask the community to share ideas and help construct it.

Tori Antonino and David Falk (ecological landscpae contractors in Somerville) worked on determined cost of materials, and consultants. Arn Franzen's help was indeliable.

The project will not require funding over multiple years.

If the project will not receive the full amount we still are going to move forward with the project. We will work within a given budget and seek outside sources if necessary.

### Project Management:

Green and Open Somerville is a community group dedicated to creating and preserving open space. We were formed 2 years ago and are working with the aldermen, developers, and the city to keep and add as much green space possible in the redevelopment process and in the new zoning.

The space to the left of the steps at City Hall was created by Green and OPen Somerville. This is of course at the end of the season. It is a successive garden and will continue to grow.





The role of the project manager will be to acquire materials, organize the volunteers, stay connected with the city, and help construct the park.

The feasibility of the project is 100%

No known barriers.

Ongoing maintenance will be a combination of the Somerville's Land Stewards and the DPW.

Accessibility:

We will provide space for those with mobility issues. We will make our path accessible from the sidewalk, wide enough with ADA approved materials for traveling on the path.



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**CITY OF SOMERVILLE, MASSACHUSETTS  
COMMUNITY PRESERVATION COMMITTEE  
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BUDGET SUMMARY**

PROJECT NAME: Morse Kelley Playground Butterfly Garden

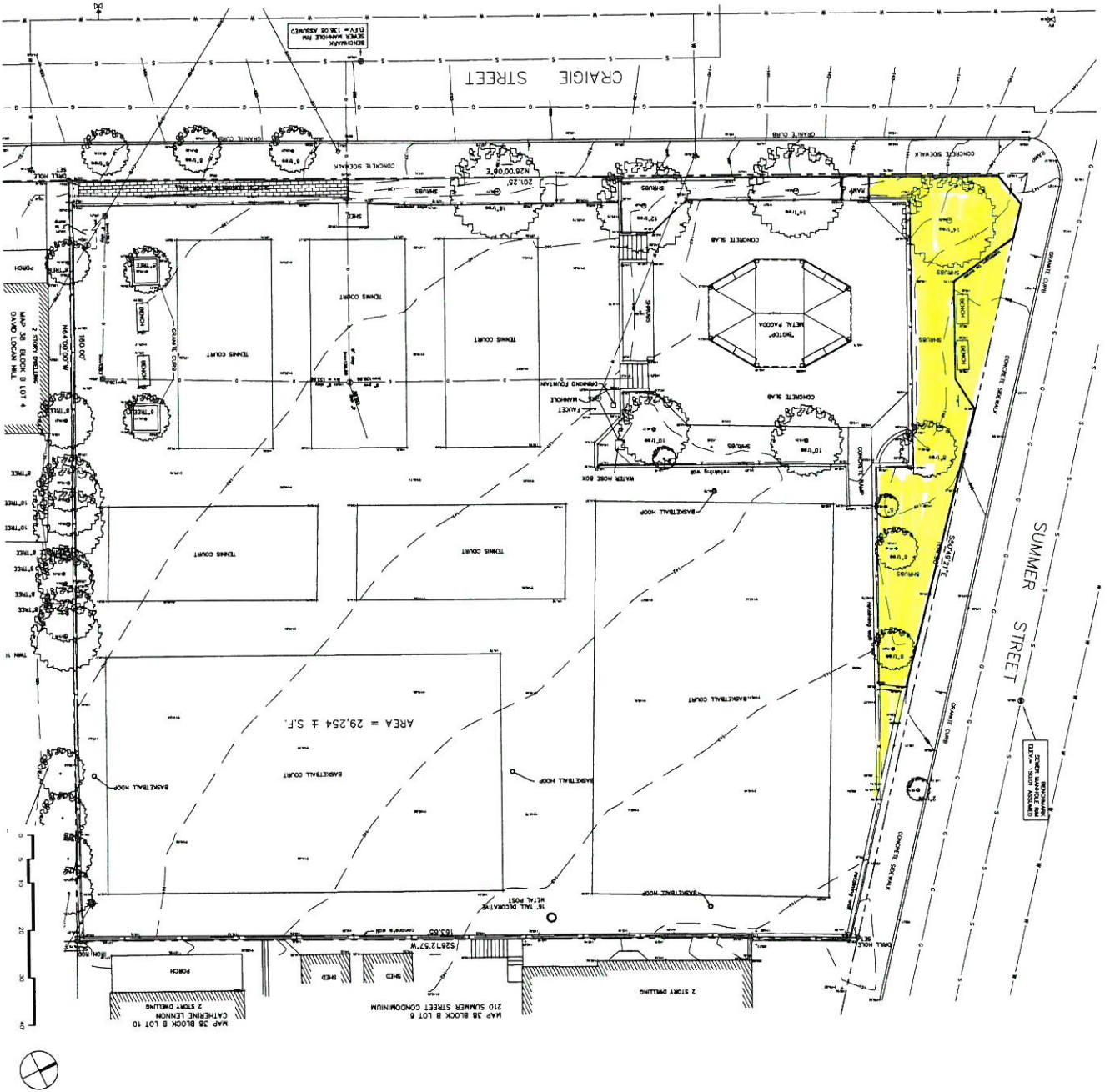
APPLICANT: Green and Open Somerville / City of Somerville Department of Parks and Open Space

<b>SUMMARY OF PROJECT COSTS</b>						
<i>Please include a complete itemized budget of all project expenses, including the proposed funding source for each expense, in your submission.</i>						
	PROPOSED SOURCE	EXPENSES				TOTAL
		STUDY	SOFT COSTS*	ACQUISITION	CONSTRUCTION**	
1	Somerville CPA	\$	\$ 3,000.00	\$	\$ 10,000.00	\$ 13,000.00
2						\$ 0.00
3						\$ 0.00
4						\$ 0.00
5						\$ 0.00
6						\$ 0.00
<b>TOTAL PROJECT COSTS</b>		<b>\$ 0.00</b>	<b>\$ 3,000.00</b>	<b>\$ 0.00</b>	<b>\$ 10,000.00</b>	<b>\$ 13,000.00</b>

\*Soft costs include design, professional services, permitting fees, closing costs, legal, etc.  
\*\* Construction includes new construction, preservation, rehabilitation, restoration work, and/or accessibility related expenses

<b>EXPLANATION OF FUNDING SOURCES</b>			
<i>Please explain the status of each funding source (i.e., submitting application on X date, applied on X date, received award notification on X date, funds on hand, etc.). For sources where funding has been awarded or funds are on hand, please include documentation from the funding source (e.g., commitment letter, bank statement) in application packet</i>			
	SOURCE	SECURED? (YES/NO)	STATUS OF FUNDING SOURCE
1	CPA	TBD	TBD
2			
3			
4			
5			





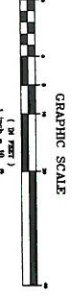
**LEGEND**

- Existing Light Pole
- Existing Sewer Manhole
- Existing Water Gate
- Existing Hydrant
- Existing Catch Basin
- Existing Iron Rail Fence
- Existing Water Line
- Existing Chain Link Fence
- Existing Sewer Pipe
- Existing Underground Electric
- Existing Overhead Wire
- Spot Street Elevation
- Utility Pole
- Decision Tree
- Sign

**NOTES**

1) ELEVATIONS SHOWN ARE ON AN ASSUMED DATUM AS SHOWN ON PLAN OF MORGAN PARK BY V. MICHAEL WINKHAM ASSOCIATES, DATED 9/29/1990 ON FILE AT SOMERVILLE PLANNING & DEVELOPMENT.

UNDERGROUND UTILITIES ARE SHOWN BASED ON FIELD CONDITIONS OF SURVEYORS. THE UTILITIES AS SHOWN ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE LOCATIONS. SURVEYORS ARE NOT RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION OR EXCAVATION.

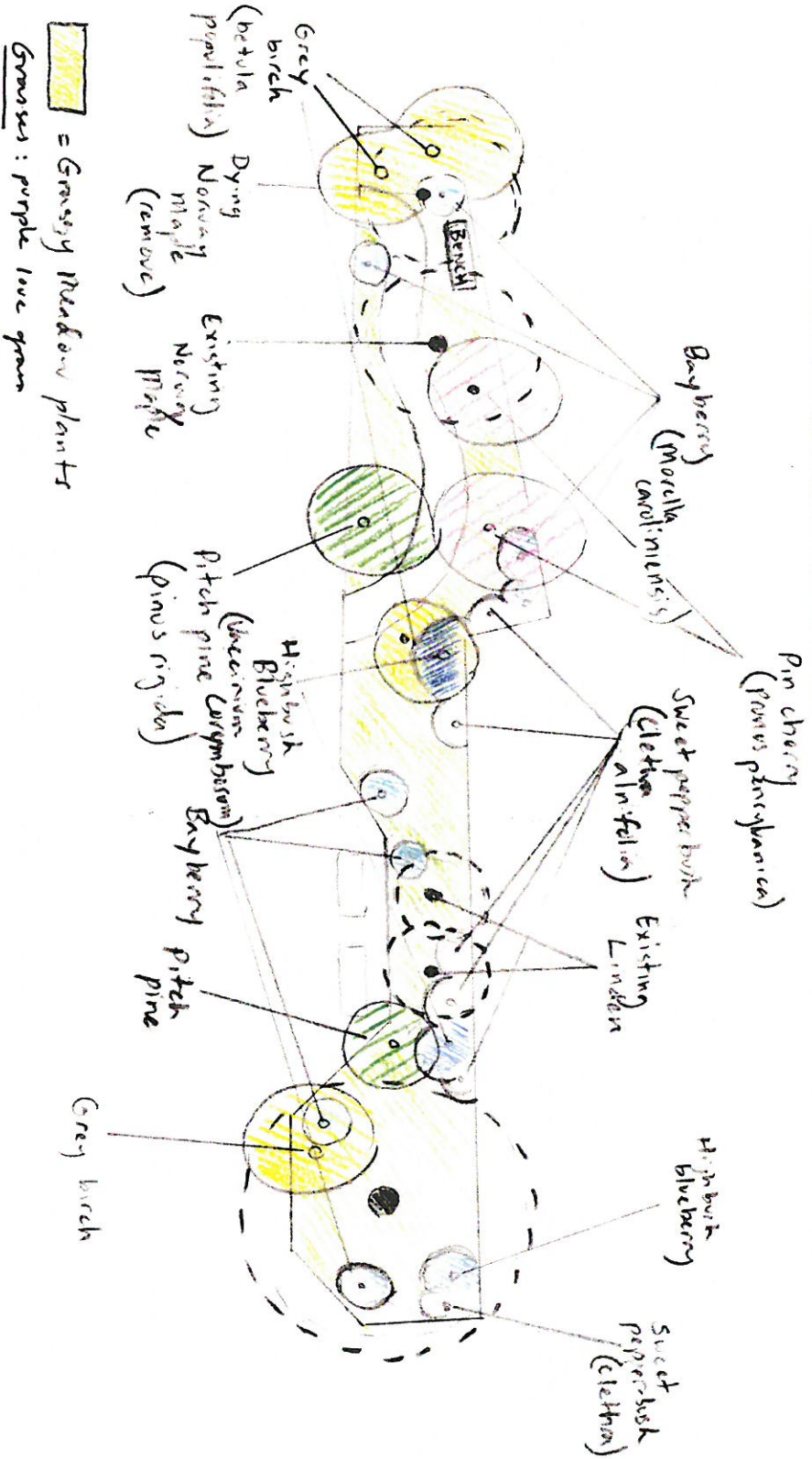


**SITE PLAN OF LAND**  
 PROPERTY OF  
**CITY OF SOMERVILLE**  
**MORSE / KELLY PLAYGROUND**  
**MORSE & CRAIGIE STREETS**  
 SCALE: 1" = 10'  
 DATE: OCTOBER 21, 2009  
 NORTH SHORE SURVEY CORPORATION  
 14 BROWN STREET - SALEM, MA  
 (978) 744-4800  
 PROJ. #: 600912

**L-0**

**MORSE - KELLY PLAYGROUND**  
 Somerville, Massachusetts  
**SITE SURVEY**

# Castal New England Open Wooded Meadow



## Plant List

Grasses: Purple love grass *Eragrostis spectabilis*  
Little blue stem *Schizachyrium scoparium*  
Pennsylvania sedge *Carex pennsylvanica*

Wild flowers: *Asclepias tuberosa* butterfly milkweed  
*Asclepias verticillata* whorled milkweed  
*Agastache scrophulariifolia* giant-hyssop  
*Baptisia tinctoria* yellow wild indigo  
*Aquilegia canadensis* red columbine  
*Liatris novae-angliae* northern blazing-star  
*Lupinus perennis* sundial lupine  
*Penstemon hirsutus* northeastern beardtongue  
*Monarda fistulosa* wild bergamot  
*Monarda punctata* spotted bee-balm  
*Scrophularia marilandica* eastern figwort  
*Solidago bicolor* silver goldenrod  
*Solidago puberula* downy goldenrod  
*Symphotrichum cordifolia* heart-leaved aster  
*Symphotrichum laeve* smooth blue aster

## Shrubs

*Clethra alnifolia* Sweet pepper-bush  
*Monella carolinensis* Bayberry  
*Vaccinium corymbosum* Highbush blueberry  
*Vaccinium angustifolium* Lowbush blueberry

Trees (planted as seedlings, \$5 each, 10 yrs til they are big)

*Betula populifolia* grey birch  
*Prunus pennsylvanica* Pin cherry  
(could also be *Amelanchier canadensis* Juneberry)  
*Pinus rigida* pitch pine

**CPA Application - Morse Kelley – Butterfly Garden**

**Existing Conditions**



## CPA Application – Morse Kelley Playground Pollinator/Butterfly Garden

Photos of the City Hall Pollinator Garden – A Success Story, and an example of possible plantings for the Morse Kelley Pollinator Garden.



Thank you for your consideration,

Tori Antonino  
David Falk  
Renee Scott  
City of Somerville