

**SPRINGFIELD COMMUNITY PRESERVATION
FULL APPLICATION COVER SHEET**

I. PROJECT INFORMATION

CPA program area - check all that apply:

community housing historic preservation open space recreation

Project/Program Title: **Carp Pond Study**

Brief Project/Program Summary:

The Department of Parks and Recreation and the Hungry Hill Civic Association plan to study Carp Pond as part of a larger restoration project of the Van Horn Park Reservoir. The study will assess loss of depth in the open water resource, which has in resulted in degradation of the pond and reduction in its recreational use within Van Horn Park.

estimated start date: Spring 2021

estimated completion date: Fall 2022

II. APPLICANT INFORMATION

Type of Applicant - check one:

City of Springfield Non-Profit Organization For-Profit Business Individual

Name of Organization: The department of Parks Buildings and Recreation Management

Name of Contact Person: Patrick Sullivan

Mailing Address: 200 Trafton Rd.

Mailing City/State/Zip: Springfield, MA 01108

Phone: (413)787-7770

Fax: (413)787-6439

Email: Psullivan@springfieldcityhall.com

Website: Springfieldcityhall.com

III. BUDGET SUMMARY

Estimated Project Budget: \$112,000

CPA Funding Request: \$112,000

Will you be seeking multi-year funding Yes No

CPA Request as Percentage of Total Project/Program Budget: 100%

List Other Secured Funding Sources:

List Other Prospective Funding Sources:

Applicant Signature: _____

Patrick Sullivan

Date Submitted: _____

4/1/21

I. GENERAL INFORMATION – CARP POND STUDY

Community Preservation Funds are available in four categories. There are some questions that are only relevant to certain categories. Please only answer the questions in this section that relate to the category(s) that are being applied for.

- A. All Categories that involve property (land and/or buildings)
 - 1. Provide the parcel ID number(s) for property included in the project
 - a. Parcel Id: 006450200
 - 2. Does the applicant own the property?
 - a. Yes. Van Horn Park is owned by the City of Springfield and maintained by the Department of Parks, Buildings & Recreation Management (DPBRM) as open space.
 - 3. If the applicant does not own the property, attach a purchase & sale agreement to purchase the property.
 - a. Not applicable.
- B. Community Housing Questions – Not applicable to this project.
- C. Historic Preservation Questions – Not applicable to this project.
- D. Open Space & Recreation Questions
 - 1. Is this project in a wetland or does it abut a wetland?
 - a. Carp Pond is a wetland.
 - 2. If so, has the Conservation Commission been informed?
 - a. Yes, the Conservation Commission is aware of, and in support of, this application to improve Van Horn Park. Please see the attached letters of support from the Commission.
 - 3. If the project is on municipal park or conservation land, attached a letter of support from the Park Commission or Conservation Commission.
 - a. The Department of Parks, Buildings & Recreation Management, is the main applicant for this project and is in full support of the project. Please see attached letter from the Board of Park Commissioners.

II. NARRATIVE

The narrative is an opportunity to explain the proposal to the CPC and how the proposal achieves one or more of the CPA criteria. In a separate document, answer the following questions. Keep responses in the same order they are presented here and include the headings for each section.

A. Project Summary

Introduce the project with a summary which notes the CPA category, goals, project scope, and budget. (200 words or less)

The DPBRM is submitting this application for CPA funds to help with improvements to Upper Van Horn Reservoir and the Carp Pond. The proposed Project is for preliminary design and permitting for the Carp Pond Restoration Project at Van Horn Park. Carp Pond is a small pond located immediately upstream of Upper Van Horn Reservoir within Van Horn Park, a large dedicated open space resource within the City of Springfield. Carp Pond has been adversely impacted by sedimentation associated with its urbanized contributing watershed. This sedimentation has resulted in loss of depth in the open water resource, which has in turn resulted in degradation of the pond and reduction in its recreational use within the larger Van Horn Park.

This Project is being proposed to restore habitat and recreational uses of Carp Pond, such as fishing, by removal of accumulated sediments within the pond and to establish a kayak launch for the adjacent Upper Van Horn Reservoir to improve water access for recreational non-motorized boating for residents and visitors. Detailed

scope elements are included in Question #4. The anticipated budget is \$112,000

B. Proposal Description

1. Describe the proposal and how it will benefit Springfield. (200 words or less)

This Project is the next phase of a large restoration effort within Van Horn Park. The City has driven forward improvements to Van Horn Park, including rehabilitation of Lower Van Horn Reservoir Dam and a Phase II study to review conditions/propose improvements for Upper Van Horn Reservoir Dam. This Project will restore open water habitat to a key recreational and aesthetic feature, allowing for increased usership for fishing and other activities, as well as introduction of a new safe access for kayaking in the Upper Reservoir. Van Horn Park is a major recreational resource in the City, free and open to all residents and the project will allow for improved conditions and amenities.

By conducting a bathymetric survey of Carp Pond and Upper Van Horn Reservoir to estimate current and original pond depths and the patterns/quantities of sediments within both resources. This information will be used to design a proposed dredging program for Carp Pond and to determine whether dredging is needed for Upper Van Horn Reservoir. Large-scale dredging of Upper Van Horn Reservoir is not proposed as part of this work; however, dredging of certain areas to support a kayak launch may be proposed as part of this Project.

2. Identify what CPA criteria this proposal achieves and how they are accomplished.

The Van Horn Carp Pond addresses the preservation, rehabilitation and restoration of recreation land as outlined in the Springfield Community Preservation Plan. The improvements aim to protect the neighborhood and to restore the parks open space and recreational resources to their full potential.

This Project is consistent with the priorities identified in the Community Preservation Plan. The renovation of amenities at Van Horn Reservoir addresses the following plan criteria: to preserve and enhance the essential character of Springfield, to protect open space and recreational resources that may otherwise deteriorate, to demonstrate a practical and feasible project that can be implemented within its proposed budget and schedule, and to utilize Springfield based resources. The project has received endorsements from municipal boards and departments. Additional community support has been sought at the neighborhood level and the project is enthusiastically supported by the Hungry Hill Neighborhood Council.

3. Describe the need that this proposal will address.

Since Carp Pond is upstream of Upper Van Horn Reservoir, incoming sediment is deposited in the pond, prior to it reaching Upper Van Horn Reservoir. Restoring depth to Carp Pond will also restore its sediment capture function within the watershed and support future efforts at improvements within the Upper Van Horn Reservoir. It will also allow for Carp Pond to be used again for fishing and other passive recreation. This Project will evaluate the ponds degradation to gain insight on how to improve conditions related to stormwater discharges and will include repairing eroded areas, an updated topographic survey of Carp Pond of surrounding shorelines and area of Upper Van Horn Pond to propose

for a kayak launch and fishing.

4. What is the expected outcome of this proposal?

The project will include the following elements:

- Conducting a bathymetric survey of Carp Pond and the downgradient Upper Van Horn Reservoir to estimate current and original pond depths and to estimate the patterns and quantities of accumulated sediments within both resources.
- Updated topographic survey of Carp Pond and surrounding shorelines and area of Upper Van Horn Pond proposed for kayak launch.
- Development of a sediment sampling program for approval by MassDEP 401 Program and subsequent sediment sampling for sediments within Carp Pond and potentially Upper Van Horn Reservoir.
- Wetland delineation and Wildlife Habitat Evaluation of Carp Pond and portions of Upper Van Horn Reservoir.
- Preliminary permitting level design of improvements, which will include dredging of Carp Pond to remove accumulated sediments, potential shoreline improvements for fishing, and establishment of a kayak launch location along Upper Van Horn Reservoir.
- Preparation of permit applications, which would be anticipated to include:
 - o Massachusetts Environmental Policy Act (MEPA) Environmental Notification Form (ENF);
 - o Notice of Intent under the Wetlands Protection Act filing with the Springfield Conservation Commission.
 - o Section 401 Water Quality Certification (MassDEP);
 - o Section 404 Authorization (US Army Corps of Engineers); and
 - o Project Notification Form (Massachusetts Historical Commission).

C. Feasibility & Sustainability

1. What other funding sources have been secured or are being pursued?
 - a. At this time, no additional funding other than this CPA grant request are anticipated.
2. Once the proposal is complete how will it be sustained/maintained?
 - a. Van Horn Carp Pond will continue to be maintained by the DPBRM, under the direction of Board of Park Commissioners.
3. Is there an operating pro forma for when the proposal is complete and what is the basis?
 - a. No, there is no operating pro forma for this project.

D. Applicant Experience

1. What similar projects/programs has the applicant successfully completed?

The Department of Parks, Buildings & Recreation Management will coordinate and oversee all aspects of the Van Horn Carp Pond Study. The DPBRM has a long history of successfully completing park improvements and renovation projects. The DPBRM plans to work with its on-call design firms to procure necessary engineering plans and materials to successfully complete the improvements to Van Horn Reservoir. This project would complete the necessary work to return this park to its full potential.

2. Describe the professional experience of the applicant/project team.

All projects of the DPBRM are overseen by its Executive Director, Patrick Sullivan, who has over 30 years of experience in park renovations and improvements. The department will work with its on-call design firm to complete the necessary construction and landscaping plans for Carp Pond renovations. In the past five years, the DPBRM has completed twenty similar projects, resulting in approximately \$10,000,000 in park improvements. The department has been successful success in receiving up to 80% in grant funding on these projects.

III. TIMELINE

The timeline should identify the estimated start date and estimated completion date along with the completion of phases or important milestones of the project/program. Please provide the timeline in a list format.

Preliminary Project Schedule:

- Grant Award Notification / 0 Months
- Procurement of Engineering Consultant / 2 months
- Design Development / 6 months
- Project Permitting / 9 Months
- Construction Document Preparation / 2 months

TOTAL: 19 Months

IV. BUDGET - Please see Attachment #1 – Proposed Project Budget

1. Bathymetric Survey - \$8,000
2. Topographic Survey - \$10,000
3. Sediment Sampling Program - \$8,000
4. Wetland Delineation and Wildlife Habitat Assessment - \$6,000
5. Preliminary Design and Permit Level Plans - \$30,000
6. Permitting \$50,000

Total \$112,000

V. ATTACHMENTS

For all proposals

- A. Commitment letters for revenue sources identified in the budget
 - a. -----
- B. Letters of Support
 - a. Board of Park Commissioners

For projects that involve property (land/buildings)

- C. Letters of Support from Neighborhood Council/Association where project is located

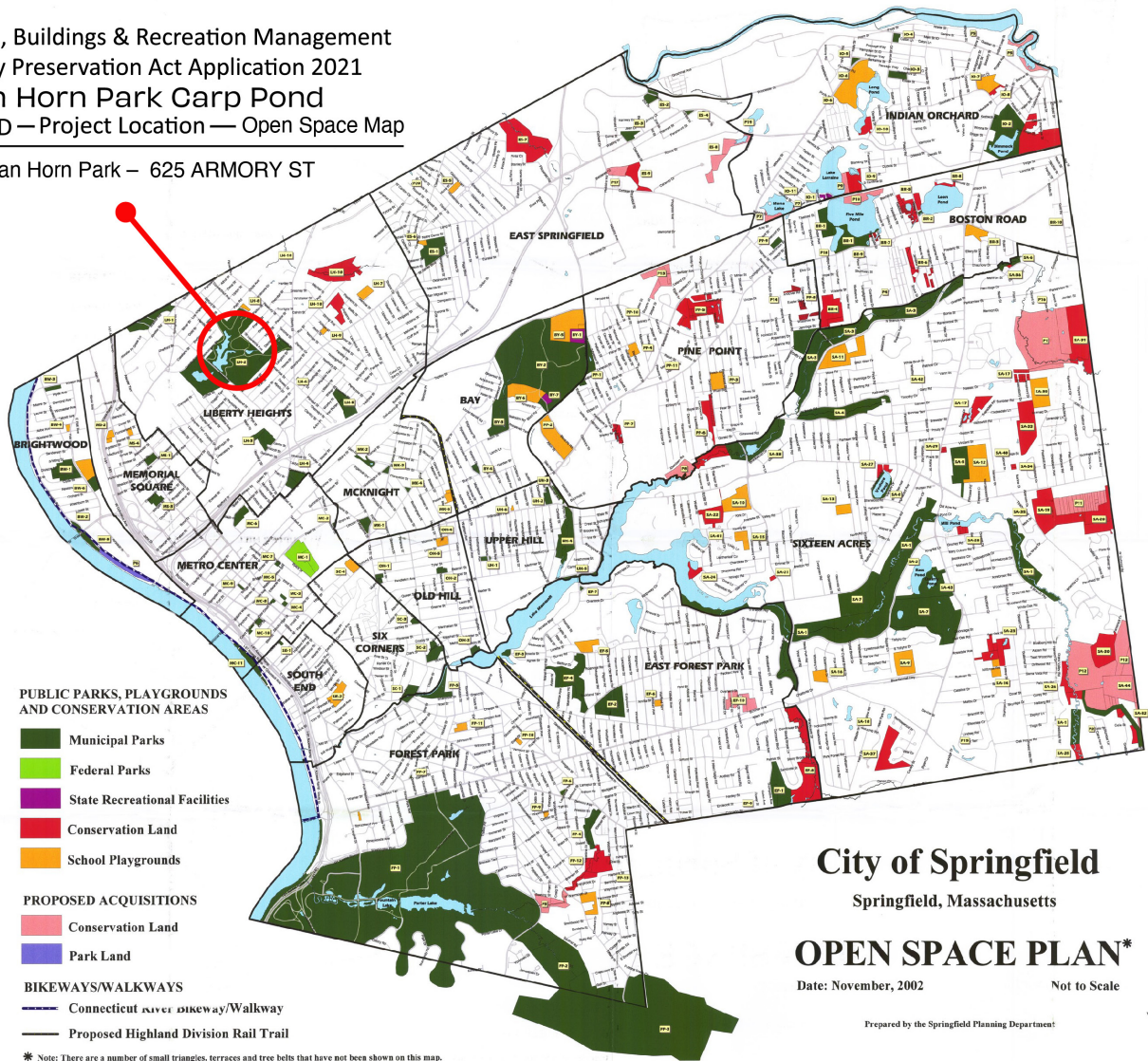
- a. Please see the attached letter from Hungry Hill Neighborhood council. As always, the DPBRM will work with the neighborhood council as the project moves forward with renovations.
- D. Maps
 - 1. Project location on citywide map
 - a. Van Horn Property Card from Springfield GIS
 - 2. Plot map (from City GIS) with the project parcel outlined and showing all abutting property parcels and the closest major intersection with streets labeled
 - a. S GIS Aerial Map
- E. Architectural/Engineer Plans/Elevations/Site Plans
 - b. A preliminary Locus Map has been developed by GZA and is attached. Should this project move forward with funding, the plan will be updated to reflect current cost estimating and project scope.
- F. Photographs
 - a. Site Photos
- G. Operating Pro Forma (for project after it is complete)
 - a. Van Horn will be maintained and operated by the City of Springfield under the direction of the Department of Parks, Buildings and Recreation Management.
- H. Proof of ownership/control of property such as deed(s), executed purchase & sale agreement, option, lease agreement, etc.
 - a. Van Horn Deed



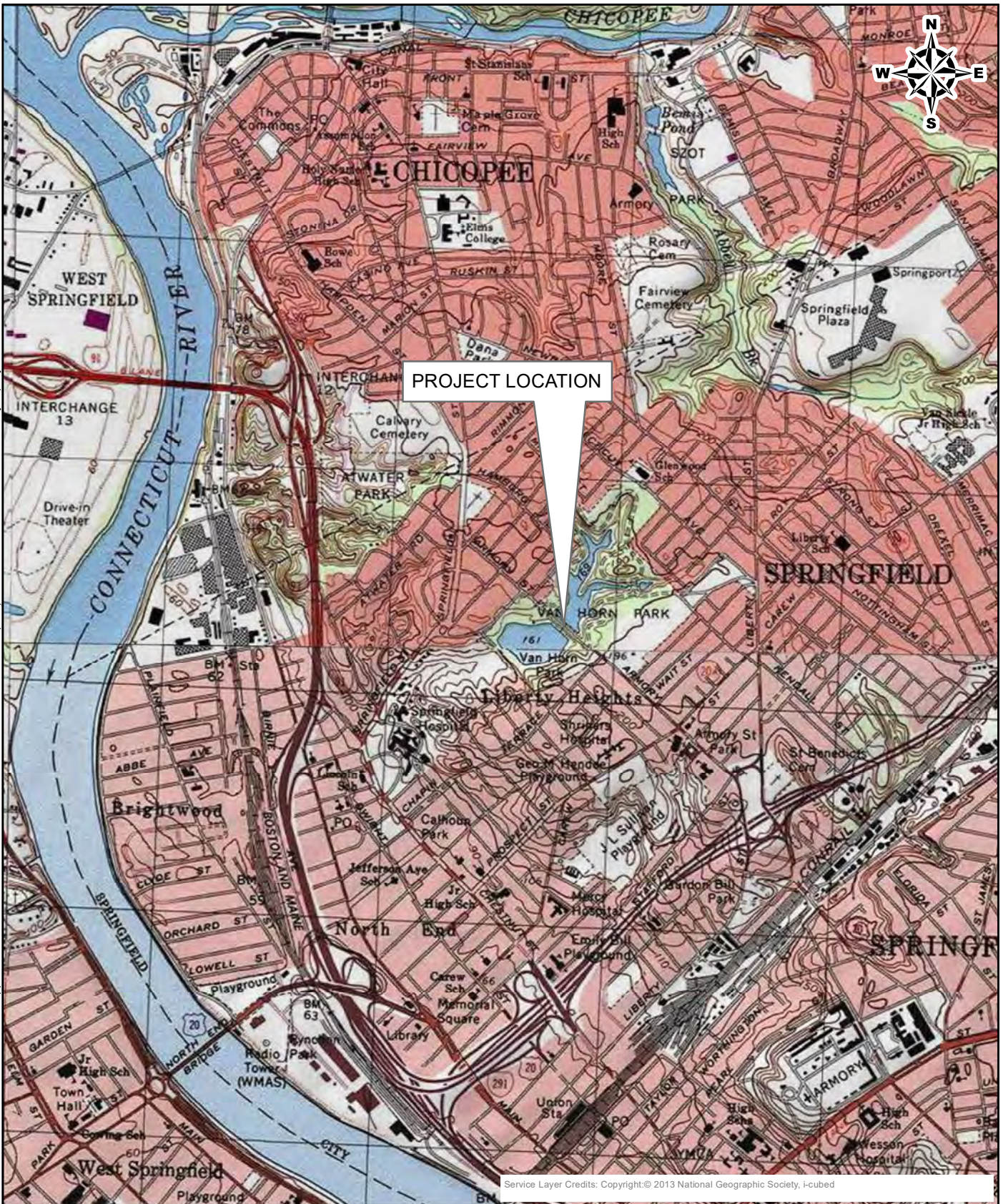


Dept. of Parks, Buildings & Recreation Management
 Community Preservation Act Application 2021
 Van Horn Park Carp Pond
 Attachment D – Project Location — Open Space Map

Van Horn Park – 625 ARMORY ST

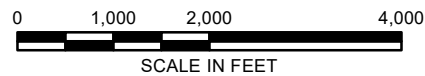


* Note: There are a number of small triangles, terraces and tree belts that have not been shown on this map.



Service Layer Credits: Copyright © 2013 National Geographic Society, i-cubed

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**PHASE II INVESTIGATION
UPPER VAN HORN RESERVOIR DAM
ARMORY STREET, SPRINGFIELD, MASSACHUSETTS**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
CITY OF SPRINGFIELD - DPBRM
200 TRAFTON ROAD,
SPRINGFIELD, MA 01108

LOCUS MAP

PROJ MGR:	JRB	REVIEWED BY:	TEJ	CHECKED BY:	SLL
DESIGNED BY:	JRC	DRAWN BY:	JRC	SCALE:	1 in = 2,000 ft
DATE:	June 2020	PROJECT NO.:	15.0166621.22	REVISION NO.:	

FIG	1	10
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City of Springfield
Parks, Buildings, and Recreation Management

March 22, 2021

Community Preservation Committee
36 Court Street
Springfield, MA 01103

Dear Committee Members,

The Board of Park Commissioners convened a meeting on March 18, 2021 to hear requests from citizens and community organizations relating to Community Preservation Act grant applications.

The Springfield Park Commission enthusiastically supports the Hungry Hill Civic Association's recreation and open space application to conduct a feasibility study for improvements to the Van Horn Carp Pond.

The Park Commission feels this project is aligned not only with Park Department priorities and needs for enhanced recreational offerings city-wide, but with the Community Preservation Act priority of improving access to Springfield's water bodies for water-based recreation and enjoyment.

We are available to answer any questions and look forward to working with the Community Preservation Committee and the Hungry Hill Civic Association to implement this project.

Sincerely,

Milagros Rodriguez (kmc)

Milagros Terry Rodríguez,
Board of Park Commissioners, Chairwoman

cc: Patrick Sullivan, Executive Director DPBRM
Michael Fenton, HHCA
Cathy Mossi, HHCA

**HUNGRY HILL NEIGHBORHOOD COUNCIL
P. O. BOX 352
SPRINGFIELD, MA 01101**

March 29, 2021

Patrick J. Sullivan, Executive Director
Department of Parks, Buildings and Recreation Management
200 Trafton Road
Springfield, MA 01108

Dear Director Sullivan:

It is our pleasure to provide this letter of support for your Community Preservation Act application for a feasibility study for the Van Horn Park Carp Pond improvements for enhanced recreation and open space.

As the neighborhood council that represents Van Horn Park, we appreciate your efforts to improve the Carp Pond site for use to the residents of the neighborhood and the city. We would be happy to see this pond and surrounding shore areas be returned to its original splendor for recreational use.

The recent renovation of the Upper Van Horn Dam will only add to the revitalization of the pond, but will also increase the opportunity for water-based recreation at Van Horn Park.

We look forward to the improvements and are pleased to support this initiative.

Sincerely,



Catherine Mossi
President

cc.: Michael Fenton, City Councilor

PK 137 144

1118

4

X Know all Men by these Presents, That

Daniel Washburn of Springfield in the County of Hampden
County Commonwealth of Massachusetts Do hereby
in consideration of Three hundred and no more Dollars
paid by Charles Stearns of the same Springfield County and
County Commonwealth of Massachusetts
do hereby acknowledge, do hereby give, grant, sell, and convey
the receipt whereof
unto the said Charles Stearns his Heirs and Assigns.

a part of a certain tract of land situate in Springfield aforesaid which Peter
Washburn & Miss Chapman purchased of one of the heirs of Sarah Chapman deceased
and lying at a place called and brook that part of said tract which I herin
comely commences at the Northwesterly corner of Miss Chapman's land and
runs from thence North about 45° West by land of Daniel Washburn in part and part
by an old ditch by my own land twenty two rods to a stake thence South 87° West
in a line of stakes by my own land seventy three rods eleven links two sticks
thence South 34 1/2° East by my own land seventy rods and twenty three links
to land of Miss Chapman aforesaid thence Southwesterly by land of said Chapman
seventy six rods nine links to the first mentioned corner containing more and
less fourthly area

To have and to hold the afore-granted premises to the said Charles Stearns

his Heirs and Assigns; to his heirs use and behoof for ever.
And I do for my self my Heirs, Executors and Administrators, covenant
with the said Stearns

lawfully seized in fee of the afore-granted Premises; that they are free of all incumbrances;

That I have good right to sell and convey the same to the said Stearns

and that I will warrant and defend the same Premises to the said Charles Stearns
his Heirs and Assigns for ever, against the lawful claims and
demands of all persons.

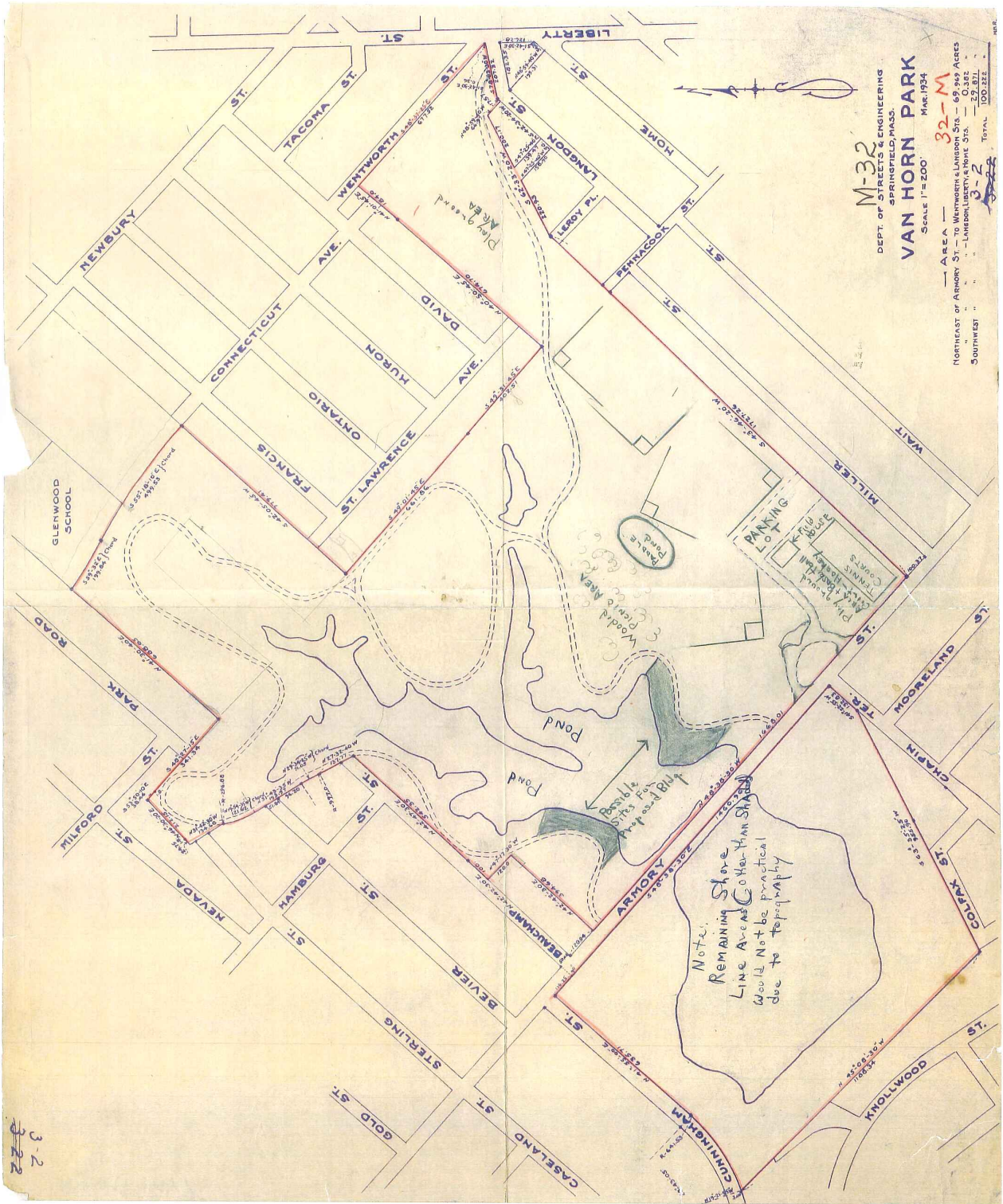
In witness whereof I the said Daniel Washburn and Miss Chapman wife
of said Daniel for the above consideration have by releasing all right of dower or
thirds in the premises above described to the said Charles Stearns
have hereunto set our hand and seal this fifth day of
June in the year of our Lord one thousand eight hundred and forty seven

Signed, sealed, and Delivered in presence of
Orange Chapman
Melius J. J. Jr.
George Washburn

Richard Washburn & Seal
Miss Chapman & Seal

Hampden Co June 7th 1847. Then the within named Daniel Washburn
acknowledged the within instrument to be his free act and deed
Before me Orange Chapman Justice of the Peace.

Rec^d June 7. 1847 & Reg^d from the original
By William Rice Reg^r



M-32
 DEPT. OF STREETS & ENGINEERING
 SPRINGFIELD, MASS.
VAN HORN PARK
 SCALE 1" = 200'
 MAR. 1934

AREA	32.1	M
Northeast of Arnoy St. to Wentworth & Liberty Sts.	69.84	Acres
Liberty & Home Sts.	0.382	"
Liberty & Home Sts.	27.871	"
3-2	3-2	Total
	100,000	sq. ft.

Note:
 Remaining Shove
 Line Areas (Other than Shaded)
 Would Not be practical
 due to topography

3-2
~~3-22~~