

## INVITATION FOR BID

The Northampton Office of Planning and Sustainability invites sealed bids for Historic Cast Iron Fountain Restoration. The contract estimate is \$60,000. Bid documents are available M-F, 9-4 at

Northampton Office of Planning and Sustainability  
210 Main Street, Second Floor  
City Hall  
Northampton MA 01060  
[slavalley@northamptonma.gov](mailto:slavalley@northamptonma.gov)

And online at <http://northamptonma.gov/949/Historic-Resources> until the bid deadline, January 6, 2017, at 12:00 PM. The City reserves the right to reject any or all bids.

### INSTRUCTIONS FOR BIDDERS

1. Use the attached bid form. Send your bid to:

Sarah LaValley  
Northampton Office of Planning and Sustainability  
210 Main Street, Second Floor  
City Hall  
Northampton MA 01060

in a sealed envelope marked **“Fountain Restoration Bid”**.

2. The Office of Planning and Sustainability will award the contract within five business days.
3. Please refer to the bid specifications for minimum criteria for bidders.

**BID FORM  
FOR**

**Historic Cast Iron Fountain Restoration**

For completion of fountain restoration per the attached specifications, the amount of  
\$ \_\_\_\_\_ is bid.

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

Date \_\_\_\_\_

\_\_\_\_\_  
Name of Bidder

By \_\_\_\_\_  
Name of Person Signing

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
City and State

CITY OF NORTHAMPTON  
MASSACHUSETTS

CONTRACT  
FOR  
**Historic Cast Iron Fountain Restoration**

THIS AGREEMENT, executed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ by and between **(type in Vendor name and address, remember to check Northampton vendors for overdue taxes)** hereinafter called "Vendor" and the City of Northampton, a municipal corporation in the County of Hampshire, Commonwealth of Massachusetts, party of the second part hereinafter called "Owner".

WITNESSETH, that for the consideration hereinafter mentioned, the Owner and the Vendor shall agree to the terms and conditions contained in this contract, enumerated as follows: The Owner-Vendor Agreement, Bidding Documents, Contract Forms, Specifications contained in **Specifications for Historic Cast Iron Fountain Restoration at the Northampton State Hospital Memorial Park**, and all addenda issued prior to and all Modifications issued after execution of the Contract.

THE OWNER shall pay the Vendor for the performance of this contract in the sum of **(type in the dollar amount)** dollars in accordance with the terms of this contract.

This contract shall not be altered in any particular without the consent of all parties to this contract. All alterations to this contract must be in writing and authorized as such by the Mayor and a Majority vote of the Board, Agency, or Committee signing this contract.

The Vendor shall not delegate, assign or transfer any of its duties delineated in the scope of services without prior written consent from the CITY.

In the event the Vendor is a corporation a certificate that the person executing this contract is duly authorized to sign, must accompany this contract.

Notwithstanding anything in the Contract documents to the contrary, any and all payments which the City is required to make under this Contract shall be subject to appropriation or other availability of funds as certified by the City Auditor. Obligations for payments beyond the current fiscal year are subject to appropriation and this Contract shall be canceled in the event of non-appropriation.

Final payment on this contract shall release and discharge the Owner from any and all claims against the Owner on account of any work performed hereunder, or any alteration hereto.

The Vendor shall indemnify and hold harmless, the CITY and all of its officers, agents, and employees against all suits, claims or liabilities of every nature, arising out of, or in consequence of, the acts or omissions of the Vendor, its employees, agents, or sub-contractors in connection with their rendering of services or goods under this AGREEMENT and will, at the Vendor's own cost and expense, defend any and all such suits and actions

By signing this contract the Vendor agrees to subject any dispute to mediation, at the option of the City, prior to filing suit in any forum.

This contract shall be deemed to be a Massachusetts contract and its interpretation and construction shall be governed by the laws of Massachusetts and the Charter and Ordinances of the Owner.

The provisions of this contract are severable. If any provision of this contract shall be held unconstitutional by any court of competent jurisdiction, the decision of such court shall not affect any other provisions of this contract.

The City of Northampton is not bound by this contract until approved by the Mayor of Northampton.

Pursuant to M.G.L. Chapter 62C, Section 49A, I certify under the penalties of perjury that I have, to my best knowledge and belief, complied with the law of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support. I further authorize the City of Northampton to deduct from the amounts due under this contract, any overdue taxes, real or personal, or any other fees due to the City of Northampton from the vendor which become due and payable by the vendor or its officers, directors or agents during the term of this contract or until the final amounts due under this contract are paid in full.

Check one: The vendor does  not  have a Northampton office.

**IN WITNESS WHEREOF the Owner caused these presents to be signed in quadruplicate and approved by David J. Narkiewicz its Mayor and the said Vendor has caused these presents to be signed in quadruplicate and its official seal to be hereto affixed by its officer or agent thereunto duly authorized (by the attached corporate resolution). This instrument shall take effect as a sealed instrument.**

Vendor: \_\_\_\_\_  
Vendor  
\_\_\_\_\_  
Authorized Signatory it's  
\_\_\_\_\_  
Title Date

**Certificate by Corporation to Sign Contract**

At a duly authorized meeting of the Board of Directors of the \_\_\_\_\_  
(Name of Corporation)  
held on \_\_\_\_\_  
(Date)

At which all the Directors were present or waived notice, it was voted that, the Authorized Signatory of this company, be and he hereby is authorized to execute contracts and bonds in the name and behalf of said company, and affix its Corporate Seal thereto, and such execution of any contract or obligation in this company's name on its behalf by such officer under seal of the company, shall be valid and binding upon this company,

A TRUE COPY,

ATTEST: \_\_\_\_\_  
(Clerk)

Place of Business \_\_\_\_\_  
\_\_\_\_\_

Date of this Contract \_\_\_\_\_

**CITY OF NORTHAMPTON:**

BY: Northampton Office of Planning and Sustainability

\_\_\_\_\_ Date \_\_\_\_\_  
Wayne Feiden, FAICP

\_\_\_\_\_ Date \_\_\_\_\_  
Chief Proc. Officer, approved as to form and c. 30B compliance

\_\_\_\_\_ Date \_\_\_\_\_  
City Auditor, approved as to appropriation.

\_\_\_\_\_ Date \_\_\_\_\_  
Mayor David J. Narkiewicz

City of Northampton, Massachusetts

**BID RECORD**

Subject of Procurement \_\_\_\_\_

Department \_\_\_\_\_

Informal Quotes (under \$25,000) \_\_\_\_\_

Formal Bid \_\_\_ If yes, date advertisement appeared in the newspaper and any required state publication \_\_\_\_\_

Date of Bid Opening and Time \_\_\_\_\_

Recorded By \_\_\_\_\_

Bidder Name	Bidder Address	Bid Price	Comments
1.			
2.			
3.			
4.			
5.			

This list is a complete and accurate record of the bids or quotes received for the named supply or service.  
Signed under penalties of perjury. (Sign if purchase is over \$24,999.)

\_\_\_\_\_  
Procurement Officer

\_\_\_\_\_  
Witness

## BID SPECIFICATIONS:

### HISTORIC CAST IRON FOUNTAIN RESTORATION AT THE NORTHAMPTON STATE HOSPITAL MEMORIAL PARK

#### 1. GENERAL PROJECT INFORMATION

The City of Northampton requests proposals from qualified firms for the purpose of awarding a contract to perform restoration services on the historic cast iron fountain and granite basin, once located on the grounds of the former Northampton State Hospital. The fountain is believed to have been designed by Andrew Handyside and was installed at the hospital in 1876.<sup>1</sup> The granite for the fountain basin was sourced at Fitzwilliam, New Hampshire. The fountain was dismantled in the 1990s and its remaining components placed in storage at the Northampton Department of Public Works, but the granite basin remains in its original location. Once restored, the fountain will serve as a centerpiece for a new, 1/4-acre park, built to commemorate the former hospital, patients and staff.

#### 2. OVERVIEW OF THE SCOPE OF SERVICES REQUIRED

The fountain was a 13-' high, four-tiered structure, containing a hexagonal base, pedestaled large lower basin, pedestal-ed smaller upper basin, and top finial in the form of putti, all set within a 16' diameter granite basin. Remaining components include the granite basin (in situ); fountain base and one base ornament (lion's head); lower large basin and frond-wrapped pedestal. Installation of mechanical systems (water, electricity, pump) will be included in the construction of the park landscape, to be undertaken through a separate contract. Permit-level construction drawings for the park, "**Northampton State Hospital Memorial Park Improvements Project,**" are appended to this RFP, for reference.

Work to restore the fountain will be divided between a base bid and one alternative bid, as follows:

**Base Bid.** The Conservator/Metal Fabricator will restore and re-install the remaining fountain components, including:

- a. Removal and restoration of all existing fountain components from storage at the Northampton Department of Public Works;
- b. Recasting and re-installing missing ornaments of the existing fountain components, including lions' heads and post fronds, with new cast pieces, using existing pieces as molds;
- c. Preparing fountain for re-setting on original granite base

**Alternate Bid #1.** The Conservator/Metal Fabricator will replace any missing fountain pieces with newly cast pieces, and return the fountain to operable condition, including:

- a. Designing the missing "upper" components of the fountain, using historic photographs and "RESTORATION OF MEMORIAL PARK FOUNTAIN" (drawing) prepared by Robinson Iron January 20, 2015, as guides.
- b. Casting and finishing new components.
- c. Assembling the newly cast components.
- d. Preparing fountain for resetting on original granite base following park construction

**Note:** The City of Northampton has requested that the contractor make every attempt to retain as much of the existing fountain fabric as possible. Cast iron components shall be replaced only when the extent of deterioration is severe, and when replacement is absolutely necessary to insure the long-term structural integrity of the fountain. In cases where replacement is required, the Conservator/Metal Fabricator shall retain the original castings and deliver them to the City of Northampton.

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<sup>1</sup> Two identical fountains are known to exist (located in England and Argentina).

### 3. TECHNICAL SPECIFICATIONS

#### 3.1 Project Requirements

- 3.1.1 All work and materials shall be in full accordance with the latest rules, regulations, and safety orders of federal, state, county, municipality, and utility laws, rules and regulations. Nothing in these specifications shall be construed to permit work not conforming to the above.
- 3.1.2 When the specifications call for material or construction of better quality or large size than is required by the above mentioned codes and standards, then the provisions of the specifications shall take precedence over the requirements of said codes and standards. If there is any direct conflict between the above-referenced codes and standards and specifications, the codes and standards shall govern. The Conservator/Metal Fabricator shall furnish, without extra charge, any additional material and labor when required to comply with these codes and standards, even though the work is not mentioned in the specifications.
- 3.1.3 Prior to bidding, the Conservator/Metal Fabricator is encourage to examine the site and existing fountain components to ensure his/her knowledge of conditions and requirements affecting the work. No claim for extra compensation or extension of time will be allowed for Conservator/Metal Fabricator's failure to comply with this requirement nor will any condition at the site, whether or not in agreement with conditions shown or called for on the Bid and Contract Documents, be allowed as a basis for such claims, except as otherwise specifically provided for. **Arrangements to view the existing components should be made through:**

Sarah LaValley  
Office of Planning and Sustainability  
City of Northampton  
210 Main Street, Second Floor  
Northampton, MA 01060  
413-587-1263  
[slavalley@northamptonma.gov](mailto:slavalley@northamptonma.gov)

- 3.1.4 If during the demolition, excavation, disposal, or other work, articles of unusual value, or of historical or archaeological significance are encountered, the ownership of such articles is retained by the Owner's representative, and information regarding their discovery shall be immediately furnished to the Owner's representative. If the nature of the article is such that the work cannot proceed without danger of damaging same, work in that area shall be immediately discontinued until the Owner's representative has decided the proper procedure to be followed. Any time lost thereby shall be a condition for which the time of the Contract may be extended. All costs incurred after discovery in the salvaging of such articles shall be borne by the Owner.
- 3.1.5 Until written acceptance of the physical work by the Owner's representative, the Conservator/Metal Fabricator shall assume full charge thereof and he/she shall take every necessary precaution against damage to the work by action of the elements, or from any cause whatever, whether arising from the execution of the Conservator/Metal Fabricator or not.
- 3.1.6 The Conservator/Metal Fabricator shall bear all losses resulting to him/her on account of vandalism.
- 3.1.7 The Conservator/Metal Fabricator shall rebuild, repair, restore and make good all damages to any portion of the work occasioned by any of the above causes before the completion and written acceptance of the physical work, and shall bear the expense thereof.
- 3.1.8 Should the Conservator/Metal Fabricator fail to take prompt action whenever conditions make it necessary, the Owner shall make emergency repairs or cause the same to be made, with the stipulation that the costs for such repairs shall be charged against the Conservator/Metal Fabricator and deducted from monies due to him/her.
- 3.1.9 In case of suspension of work from any cause whatever, the Conservator/Metal Fabricator shall be responsible for the project and shall take such precautions as may be necessary to prevent damage to the project, provide for normal drainage and shall erect any necessary temporary structures, signs, or other facilities at his/her expense.

- 3.1.10 No work shall be performed during unfavorable weather conditions.
- 3.1.11 Damage to existing work, if caused by Conservator/Metal Fabricator's operations under this Contract, shall be repaired at Conservator/Metal Fabricator's expense.
- 3.1.12 Conservator/Metal Fabricator shall properly dispose of all materials off-site in a manner consistent with all local, state and federal codes, regulations and policies.
- 3.1.13 Metal surfaces, hardware, equipment, and similar items shall be cleaned free of all foreign matter and, if necessary, shall be lightly scrubbed at specific stains with clean water, mild soap, and soft rags, thoroughly rinsed and wiped with clean soft white rags. Abrasive cleaners shall not be used.

### 3.2 Site Preparation

- 3.2.1 Furnish all labor, materials, and equipment to properly complete work shown or specified and as needed to properly complete the work described herein
- 3.2.2 Wherever possible, check conditions at the site before commencing work. Review conservation/treatment procedures and sequence with Owner's Representative to insure proper coordination with other work to be performed in the vicinity of the park (including landscape maintenance). Provide dust and noise control.
- 3.2.3 Remove the fountain material completely and legally remove from site, using removal methods within limitations of governing regulations. Refer to 3.3, Metal Fabrications, for specific information about fountain components.

### 3.3 Metal Fabrications

#### 3.3.1 Scope of Work

- a. Provide all labor, materials, equipment and accessories necessary to remove, repair, refinish and re-install historic cast iron fountain at the Northampton State Hospital Memorials, located at Olander Drive, Northampton. Included in the project are restoration of existing components, and fabrication of new components.
- b. The work of this section is general described as follows:
  - i. Assessing and photo-documenting the fountain's existing conditions
  - ii. Removing existing cast iron fountain from the Northampton DPW.
  - iii. Creating patterns for missing cast iron components.
  - iv. Casting new cast iron components.
  - v. Repairing existing cast iron, including removing existing paint and rust, and cleaning all surfaces.
  - vi. Priming and painting new and repaired cast iron.
  - vii. Providing a mechanical system to operate the fountain.
  - viii. Preparing all components for later installation

#### 3.3.2 Quality Assurance

- a. Technical background for this work shall be in accordance with the following:
  - i. A.S.T.M. – Association for Standard Testing Materials.
    - a. ASTM A 143 – Safeguarding Against Embrittlement.
    - b. ASTM A 384 – Safeguarding Against Warpage.
  - ii. A.W.S. – American Welding Society.
  - iii. N.A.C.E. – National Association of Corrosion Engineers.
  - iv. N.A.A.M.M. – National Association of Architectural Metal Manufacturers.
  - v. S.S.P.C. – The Society for Protective Coatings (Steel Structures Painting Council).
- b. Qualifications

- i. Fabricator: Must have a minimum of ten years of experience restoring and repairing cast iron with projects similar to those indicated for this project. The Conservator/Metal Fabricator must demonstrate a record of successful in-service performance, as well as sufficient production capacity to produce required units. The Conservator/Metal Fabricator must have proven experience working within historic landscape settings.
  - ii. Patternmaker: Must have a minimum of ten years of experience replicating cast iron components with projects similar to those indicated for this project, and must demonstrate a record of successful in-service performance, as well as sufficient production capacity to produce required units.
  - iii. Welder: Must have satisfactorily passed AWS qualification tests for welding processes involved – AWS D1.1, “Structural Welding Code—Steel” -- and, if pertinent, have undergone re-certification.
  - iv. Painter/Painting Facility: Must have a minimum of ten years of experience with projects similar to those indicated for this Project in the facility where the work is to be done. In addition, the painter/painting facility must fulfill the following requirements:
    - a. Must have an ongoing Quality Control/Quality Assurance program acceptable to the Owner/Owner’s Representative which has been in effect for a minimum of ten years and shall provide the Owner/Owner’s Representative with process and final inspection documentation.
    - b. Must monitor its in-process paint application with a wet film gage and must record the measurements. Dry film thickness measurement shall be by Tooke Gage and Magnetic Coating Thickness gage.
    - c. Must have a dedicated, on-premise painting and curing facility for the exclusive use of painting fabricated steel. Said facility shall utilize the following:
      - 1. A recording hygrometer to measure air temperature and humidity.
      - 2. A spray booth conforming OSHA regulations with filtered exhaust.
      - 3. A convection hot air curing system with solvent vapor removal ability.
      - 4. The curing booth shall be heated using an indirect thermostat controlled gas fired forced hot air blower. The booth shall be protected with a sprinkler system complying with NFPA 15. The air in the curing booth shall be continuously monitored by a lower explosive limit (LEL) monitoring device connected to the ventilation system. The booth shall be capable of reaching 150 degrees F with a sustained capability of 100 degrees F.
    - e. Must have an ongoing touch-up and repair program which has been in effect for a minimum of ten (10) years.
  - v. Installer: Must be the same firm as the fabricator.
  - vi. The Owner/Owner’s Representative has the right to inspect and approve or reject the fabricator, welder, painter/painting facility, and/or installer.
- c. Compliance
- i. All materials and applications must comply with federal, state and local environmental laws and requirements.

### 3.3.3 Submittals

- a. No work shall commence until shop drawings have been submitted in accordance with these specifications. Shop drawings shall indicate all materials, type, layout, sizes, and methods of attachment and relation to other work. Shop drawings shall be submitted for the following:
  - i. Existing fountain conditions assessment.

- ii. Fabrication of missing components.
  - iii. Mechanical system(s) required to operate the fountain (*alternative #1 only*)
- b. Material and/or product data shall be submitted for the following:
- i. One (1) sample of each casting
  - ii. Painting Data: two (2) 3 inch by 6 inch samples of factory-applied color proposed for use for approval prior to painting.
  - iii. One touch up repair kit.
- c. Qualification Data: submit qualification data for the following:
- i. Patternmaker
  - ii. Painter/Painting Facility.

#### 3.3.4 Project Conditions

- a. Field Measurements: Coordinate construction to ensure that actual dimensions correspond to established dimensions.
- b. Tolerances: Re-install fencing and gates to within ½” of original gate height and ½” of original gate post positions.

#### 3.3.5 Coordination

- a. Pre-Construction Conference for Metal Fabrications: Conservator/Metal Fabricator shall schedule a meeting to be attended by the Conservator/Metal Fabricator, Owner/Owner’s Representative, and fabricator. Agenda shall include the following: Project schedule, scope of metal fabrications, finish of surfaces, application of coatings, submittals, color matching, and approvals.
- b. Coordination Between Fabricator and Painter: Prior to fabrication, direct fabricator to submit approved shop drawings to the painter for all fabrications. Direct painter to review fabricator’s shop drawings for suitability of materials for painting and coordinate any required modifications to fabrications required to be done by the fabricator.

#### 3.3.6 Warranty

- a. The Conservator/Metal Fabricator shall warranty the painted finish for a period of five years from the date of completion.

#### 3.3.7 Patterns

- a. use only high-quality hardwoods or modern plastics that will not crack after many years of re-use. Note that patterns may be re-used over many years.
- b. Store patterns in a crate used solely for this Project and submit them to the City of Northampton, once castings are completed.
- c. Keep records of tests used for each pour of iron.

#### 3.3.8 Ductile Iron & Castings

- a. Use only high-quality foundry sands with a grain fineness of type, grade and class required.
- b. Perform routine sieve analyses and green sand tests on all foundry sands to assure consistent quality.
- c. Provide ductile iron in form indicated to comply with ASTM A 536 and suitable for metal coatings complying with the following requirements:

- i. Carbon: below 0.25 percent
- ii. Silicon: below 0.24 percent
- iii. Phosphorous: below 0.05 percent
- iv. Manganese: below 1.35 percent

Notify painter of iron does not comply with these requirements to determine suitability for processing.

- d. Perform routine analyses on all pig iron and steel scrap to assure consistent quality.

### 3.3.9 Painting

- a. Surface: Finished surface shall match the texture(s) of existing fences.
- b. Prime Coat: Provide one coat of the following zinc-rich epoxy primer or equivalent, 3.0-5.0 mils dry film thickness minimum, or approved equal:

*Zinc Clad III HS*

manufactured by:  
The Sherwin-Williams Company  
101 Prospect Avenue, N. W.  
Cleveland, OH 44115

- c. Intermediate Coat: Provide one coat of the following polyamide epoxy primer intermediate coat or equivalent, 5.0 to 10.0 mils dry film thickness minimum or approved equal:

*Macropoxy 646*

manufactured by:  
The Sherwin-Williams Company  
101 Prospect Avenue, N. W.  
Cleveland, OH 44115

- d. Topcoat: Provide one coat acrylic polyurethane or equivalent, 3.0 to 6.0 mils dry film thickness minimum over primed iron in the painting facility. Color to be matte black. Utilize the following product, or approved equal:

*Acrolon 218 HS*

manufactured by:

The Sherwin-Williams Company  
101 Prospect Avenue, N. W.  
Cleveland, OH 44115

- e. Touch-Up Paint: Provide organic repair paint complying with requirements of ASTM A 780.

### 3.3.10 Anchorage

- a. Provide Type 304 stainless steel bolts, nuts and rods. Select fasteners for type, grade, and class required.

### 3.3.11 Anchorage Adhesive

- a. All connections for gate anchorages shall be made by grouting anchors with Portland-based hydraulic cement.

### 3.3.12 Removal of Fountain Components

- a. Adhere to the United States Secretary of the Interior's **Standards for the Treatment of Cultural Landscapes** and **Preservation Brief 27, Maintenance and Repair of Architectural Cast Iron**

in determining (1) material to be restored, and (2) material to be reconstructed. **Utilize as much of the original fountain material as possible.** Review with and obtain approval from the Owner, all pieces to be removed and replaced, before proceeding with fabrication. All un-used pieces must be returned to the City of Northampton.

- b. Carefully remove the fountain components from storage at the Northampton DPW. Any cutting required for the removal shall be repaired by the Conservator/Metal Fabricator.
- c. Handle and transport the components using a safe and secure method. All damage to the components as a result of handling and transport will be the responsibility of the Conservator/Metal Fabricator.

#### 3.3.13 Castings (*alternate #1 only*)

- a. Provide castings that are sound and free of warp or defects which impair strength and appearance. Match the surface texture(s) of existing fence components.
- b. Lay out and pre-assemble all components to make sure that alignment and fit are proper.

#### 3.3.14 Fountain Component Repair

- a. Removal of Paint: Sandblast existing painted surfaces using an iron slag or sand aggregate. Pressure should not exceed 200 psi.
- b. Removal of Rust: Perform acid pickling with dilute phosphoric or sulfuric acid, ammonium citrate, oxalic acid, or a hydrochloric acid-based product. Neutralize the iron pH level 7 after cleaning.
- c. Shop Assembly: Pre-assemble fountain in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark using for re-assembly and coordinated installation. Attach cast iron ornaments with stainless steel set screws after painting and finishing of components. Welding of ornaments to components will not be accepted.
- d. Straighten fountain components: Maximum deviation from straight shall be one-eighth inch in 4 feet.
- e. Shear and punch metals cleanly and accurately. Remove burrs.
- f. Welds: Make all welds continuous, to comply with the following:
  - i. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base materials.
  - ii. Obtain fusion without undercut or overlap.
  - iii. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour or welded surface matches that of adjacent surface.

#### 3.3.15 Painting

- a. Apply primer over steel within 12 hours after preparation in painter's facility in accordance with specified requirements and recommendations of the painter.
- b. Apply primer in a suitably designed spray booth capable of controlling environmental conditions.
- c. The primer and topcoat shall be applied under the following conditions:

- i. Minimum air temperature shall be 50 degrees F. Surface temperature of iron shall be 60-95 degrees F and, in any event be 5 degrees higher than the dew point. Humidity shall be 80% maximum.
  - ii. Surface of iron shall be dry and free from dust, dirt, oil, grease or other contaminants. Coating and cure facility shall be maintained free of airborne dust and dirt until coatings are completely cured.
  - iii. The primer shall be applied by way of airless spray over a consistent surface profile, 1.5 mil minimum. The profile shall be measured and permanently recorded with Text-Text tape.
  - iv. The use of iron or steel shot and sand and aluminum oxide grit as a blast medium, and power wire brushes are not permitted.
- d. The paint shall be fully cured prior to re-installation of the gates.

#### 3.3.16 Preparation for Re-Installation

- a. Comply with fabricator's and painter's requirements for installation of materials and fabrications, including use of nylon slings or padded cables for handling factory-primed or factory-finished materials.
- b. Prepare fountain for later Installation the restored fountain to its original setting within the granite basin. The fountain must be fully operable once installation is complete (*alternate #1 only*)
- c. Provide for anchorage of type indicated. Fabricate anchoring devices to secure metal gate rigidly in place.
- d. Leave anchorage joint exposed; wipe off surplus anchoring material; and leave 1/8 inch buildup, sloped away from post.
- e. Allow for thermal movement resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening up of joints, overstressing of component, failure of connections and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
  - i. Temperature Change (Range): 120 deg. F ambient; 180 deg. F. materials surface.

#### 3.3.17 Touch-Up and Repair

- a. Touch-Up and Repair: For damaged and field-welded metal coated surfaces, clean welds, bolted connections and abraded areas. At factory-primed or factory-finished surfaces, touch-up finish in conformance with manufacturer's recommendations. Provide touch-up such that repair is not visible from a distance of 6 feet

## 4.0 PROPOSAL SUBMISSION REQUIREMENTS

Bids are to be delivered to:

Sarah LaValley  
Office of Planning and Sustainability  
City of Northampton  
210 Main Street  
Northampton, MA 01060  
413-587-1263  
[slavalley@northamptonma.gov](mailto:slavalley@northamptonma.gov)

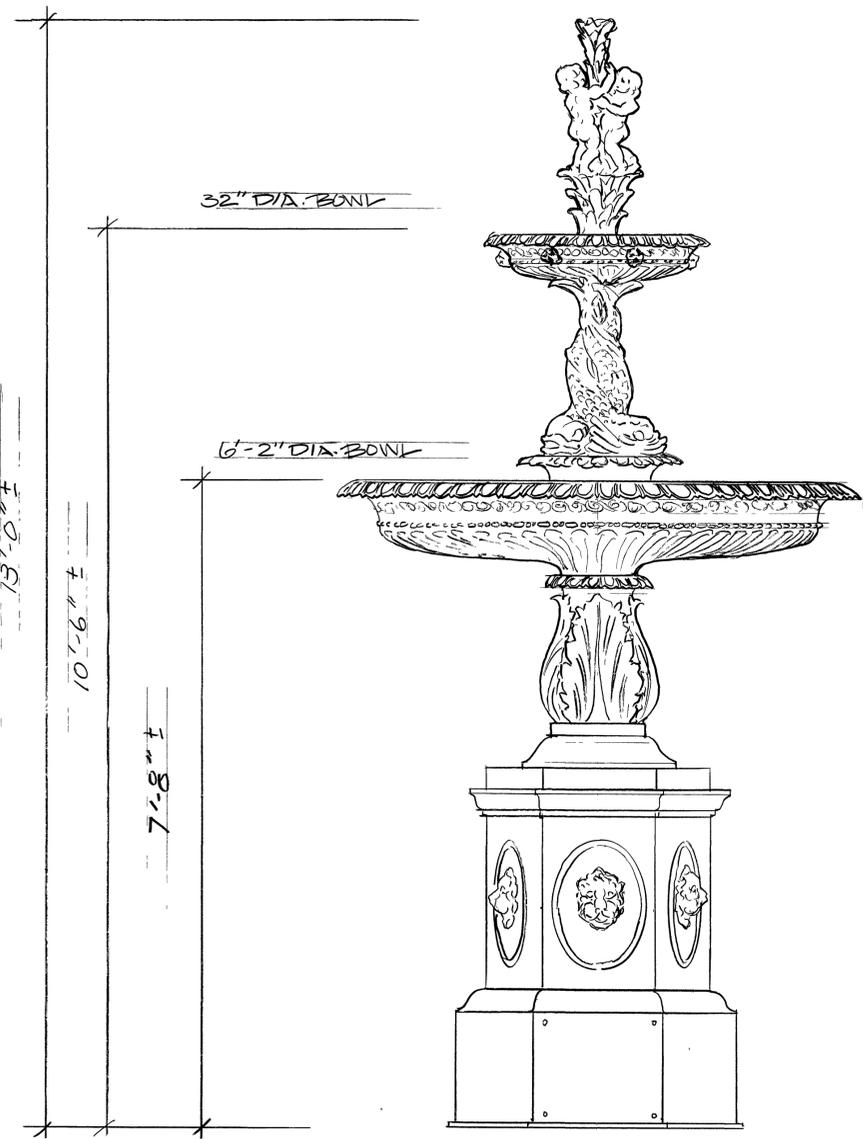
**by 12:00 PM on January 6, 2017**

**Attachments:**

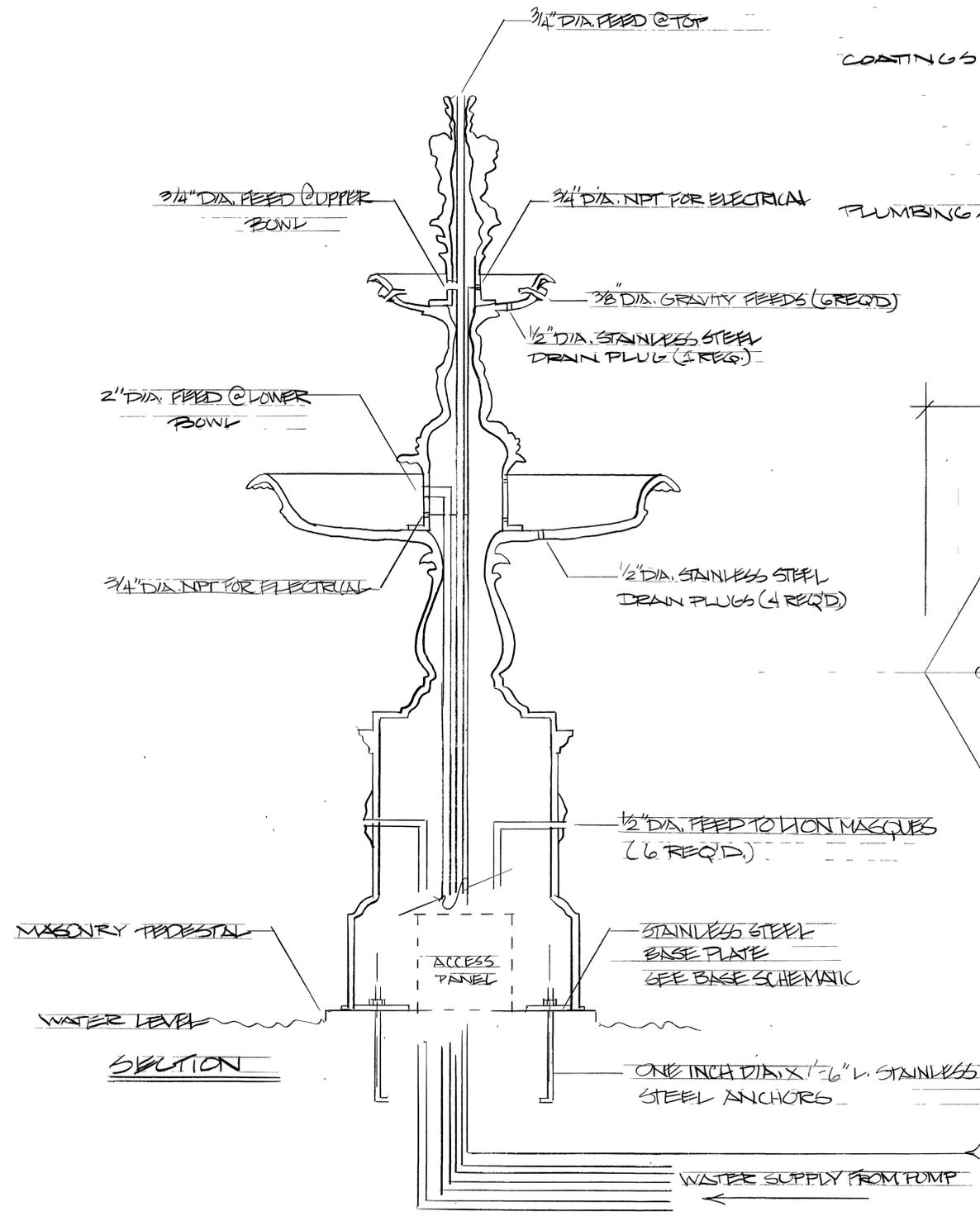
RESTORATION OF MEMORIAL PARK FOUNTAIN" (drawing) prepared by Robinson Iron

Photographs of Fountain and Components

Memorial Park Permit Drawings, prepared by Martha Lyon



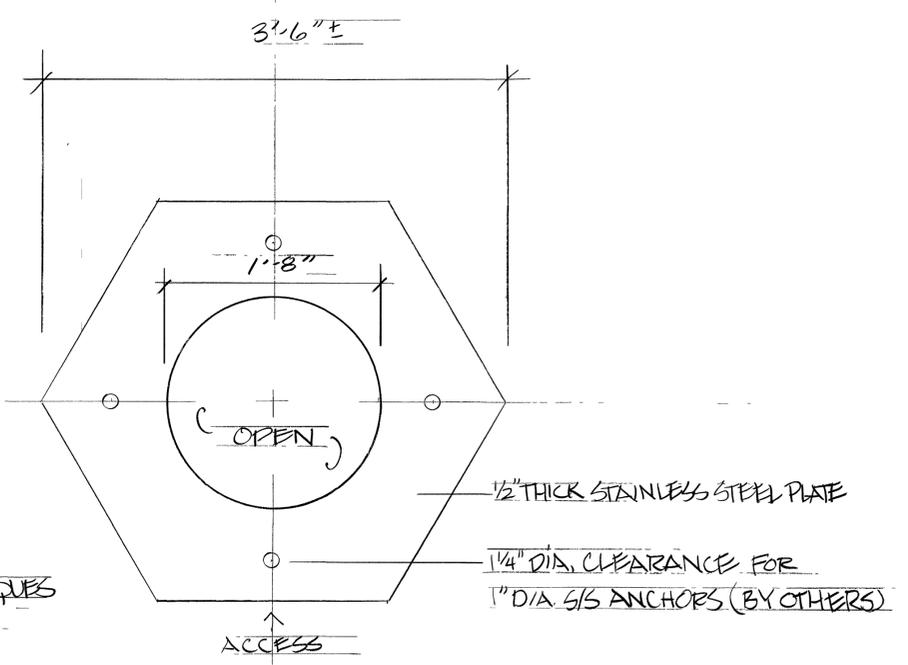
ELEVATION



SECTION

SPECIFICATIONS

- MATERIAL - ASTM A48 CLASS 30 SAND CAST GREY IRON
- FLUES IN SAND CAST ALUMINUM
- ALLOY 319
- COATINGS - SHERWIN WILLIAMS
  - COROTHANE 1 GALVAPACT ZINC PRIMER
  - MACROPOXY 646 FAST CURE EPOXY PRIMER
  - HI-SOLIDS POLYURETHANE FINISH
- COLOR TO BE DETERMINED
- PLUMBING/ELECTRICAL BY OTHERS



BASE SCHEMATIC NTS

NOTE: BASE TEMPLATE TO BE PROVIDED FOR SETTING ANCHORS

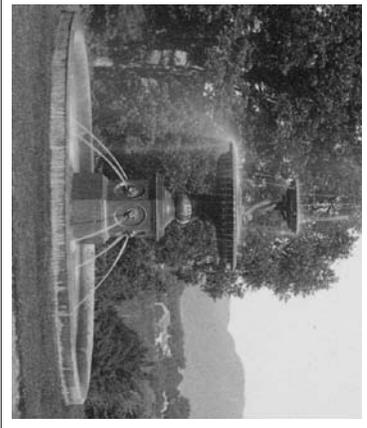












Permit Drawings  
NOT FOR CONSTRUCTION

CITY OF NORTHAMPTON  
Northampton State Hospital  
Memorial Park  
Park Improvements Project

Olander Drive  
Northampton, Massachusetts

PROJECT SPONSOR:  
Northampton State Hospital Memorialization Committee

PROJECT LANDSCAPE ARCHITECT:  
MARTHA LYON  
Landscape Architecture, LLC

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e: mlyl@marthalyon.com  
www.marthalyon.com



March 20, 2015

List of Drawings

SHEET TITLE	SHEET #
Cover Page	-
Existing Conditions Plan	L-1
Site Preparation & Demolition Plan	L-2
Layout & Materials Plan	L-3
Grading Plan	L-4
Planting Plan	L-5
Details	L-6

Project Location

