REQUEST FOR PROPOSAL

SPECIFICATIONS

AND

CONTRACT AGREEMENT

FOR

FY20-500-54

Pine Grove Cemetery
Columbarium Project

CITY OF MANCHESTER
DEPARTMENT OF PUBLIC WORKS
HILLSBOROUGH COUNTY

2020
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CITY OF MANCHESTER
New Hampshire

REQUEST FOR PROPOSAL
SPECIFICATIONS
and
CONTRACT AGREEMENT

for

PINE GROVE CEMETERY COLUMBARIUM PROJECT

FY20-500-54

Prepared by
CITY OF MANCHESTER, NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS
HILLSBOROUGH COUNTY
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INVITATION FOR PROPOSALS

Sealed proposals will be received at the office of the Department of Public Works of the City of Manchester, New Hampshire before or at 2:00 P.M., prevailing time on the 11th day of August, 2020 for the following described services:

**Pine Grove Cemetery**
**Columbarium Project**
**FY20-500-54**

This contract consists of the construction of concrete patios and foundations for installation of columbariums at Pine Grove Cemetery, with work including but not limited to:

- Excavating and backfilling;
- Constructing concrete foundations;
- Constructing concrete patios and asphalt sidewalks;
- Purchasing prefabricated columbariums;
- Providing an irrigation plan and installing irrigation; and
- Landscaping.

Certified Check/Bid Bond $5,000

Plans and specifications may be seen at the office of the Department of Public Works at 475 Valley Street, Manchester, NH 03103.

Specifications and proposal forms may be obtained on the City’s website at www.manchesternh.gov, or may be obtained at the Office of the Department of Public Works for One Hundred ($100.00) dollars cash or check, non-reimbursable. The check shall be made payable to: “City of Manchester, N.H.” A $25.00 non-refundable mailing fee will be charged for plans mailed to any contractor. Checks should be mailed to Department of Public Works, 475 Valley Street, Manchester, N.H. 03103.

There will be a voluntary Site viewing for prospective bidders held at 2:00 P.M., prevailing time on July 28, 2020. Questions asked during the viewing will be conveyed and answered in writing in an Addendum to be issued no later than five (5) business days before the scheduled bid opening.

Proposals must be completed in both words and numerals on regular proposal forms, which shall be submitted in a sealed envelope marked: “Pine Grove Cemetery Columbarium Project,” addressed and delivered to the Department of Public Works not
later than the date and time mentioned above, at which time they will be publicly opened and read aloud.

Proposals must be accompanied by a Certified Check or Bid Bond in the amount listed above, payable to: “City of Manchester, N.H.,” as security for the execution of the contract.

A Performance and Payment Bond each in the amount of 100 percent of the contract price will be required of the successful bidder.

The City of Manchester is an equal opportunity/affirmative action agency. All qualified bidders will receive consideration without regard to race, color, religion, creed, age, sex, or national origin. The City hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age, or disability in consideration for an award.

The right is reserved to waive any informalities or reject any or all proposals and to accept the bid that is deemed most favorable to the interest of the City of Manchester.

Questions regarding this Invitation to Bid should be directed to Ms. KC Moran, at (603) 624-6444 or kmoran@manchesternh.gov.
INSTRUCTIONS TO BIDDERS

1. Bids will be received by the City of Manchester, New Hampshire at the place and until the time specified in the Invitation to Bid and then publicly read aloud for the information of bidders and others properly interested who may be present either in person or by representative. **NO PROPOSALS WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED.**

2. The following meanings are attached to the defined works when used in this document:
   
a. The word "**City**" means City of Manchester, New Hampshire.
   b. The word "**Bidder**" means the person, firm, or corporation submitting a proposal on these specifications or any part thereof.
   c. The word "**Contractor**" means the person, firm, or corporation with whom the Contract is being made by carrying out the provisions of this Sealed Bid Invitation and the Contract.
   d. The words "**firm price**" shall mean a guarantee against price increase during the life of the Contract.

3. Strict compliance with the requirements of the Invitation to Proposal, terms and conditions, and the instructions printed is necessary. All blank spaces must be filled in. Signatures of the responsible owner/representative of the firm must be in ink. No reproductions/duplications/copies will be accepted.

4. Each proposal must give the full business address of Bidder and be signed by him with his usual signature. Proposals by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and title of the person signing. Proposals by corporations must be signed with the legal name of the corporation, followed by the state of incorporation and by the signature and title of president, secretary, or other person authorized to bind it in the matter. The name of each person signing shall also be typed or printed below the signature. A bid by a person who affixes to his signature the word "president", "secretary", "agent", or other title without disclosing his principal may be held to be the bid of the individual signing. When requested by the City, satisfactory evidence of the authority of the officer signing on behalf of the corporation shall be furnished. All Bids must be signed by an authorized, responsible officer or employee having the capacity to enter into contracts.
5. Proposals must be securely sealed in a suitable envelope, (facsimile or electronic submissions will not be accepted) addressed and marked on the outside as follows:

   Pine Grove Cemetery  
   Columbarium Project  
   FY20-500-54

6. Bidders’ names and address must appear on the upper left hand corner of the sealed envelope.

7. The entire solicitation document is to be returned when submitting a Proposal, unless otherwise directed by the solicitation document. Failure to return all pages may result in a determination that the submittal is non-responsive.

   PLEASE NOTE: THE CITY OF MANCHESTER IS NOT RESPONSIBLE FOR PROPOSALS NOT PROPERLY MARKED.

8. It will be the responsibility of the Bidder to see that their bid is received by the Department of Public Works as specified.

9. Each Proposal is received with the understanding that the acceptance in writing by the City of the Bidder to furnish any or all of the services described therein or as otherwise negotiated shall constitute a contract between the Bidder and the City.

10. A contract agreement that is customarily employed by the City will be used and will incorporate the original solicitation with all terms, condition and specifications of the sealed Proposal. A copy of the contract agreement is attached hereto.

11. Proposals may be withdrawn upon written or electronic request received from Bidders prior to the time affixed for opening. Negligence on the part of the Bidder in preparing the bid confers no right for the withdrawal of the Proposal after it has been opened.

12. The solicitation document maintained by the Department of Public Works, in the bid file folder, shall be considered the official copy. In the case of any inconsistency between Proposal documents submitted to the City, but not clearly listed on the exception page of the document or as an exception by the Bidder, the language of the official copy shall prevail. Furthermore, any exception or changes to the specifications made by the Bidder may be cause to disqualify your Proposal.

13. Award will be made in the best interest of the City taking into consideration factors set forth in the City of Manchester Procurement Code. Upon making an award, or giving notice of intent to award, the City will place appropriate notice on the Purchasing Website: www.manchesternh.gov/bids.
14. No oral interpretations will be made to any Bidder as to the meaning of the specifications or terms and conditions of this sealed Proposal. Every request for such interpretation or request for a change in the specifications or terms and conditions shall be made in writing, addressed and forwarded to:

Mr. Chris Sullivan  
Email: csullivan@manchesternh.gov  
Subject: Pine Grove Cemetery Columbarium Project

All questions must be received no later than **2:00 pm, July 31, 2020**. Any questions received after that time will not be answered. Every interpretation made to a Bidder will be in the form of an addendum to the Sealed Proposal Invitation which, if issued, will then be posted on the website: www.manchesternh.gov/bids as an addendum no later than five (5) business days from when Bids are due. All such addenda shall become part of the complete Sealed Proposal Invitation. It is the Bidder’s responsibility to check the website prior to the submittal deadline to ensure that the Bidder has a complete, up-to-date Proposal package.

15. Proposals that are incomplete, not properly endorsed or signed, or otherwise contrary to these instructions may be rejected as informal by the City. The Proposal must be filled out completely and accurately.

16. Any changes and/or corrections shall be marked in red and initialed by the person making such corrections. Signatures of the responsible owner of the firm must be in ink.

17. Unless otherwise negotiated, no additional charges shall be passed to the City, including any applicable taxes, delivery or surcharges.

18. As the City is exempt from the payment of federal excise taxes, all prices quoted herein are not to include these taxes.

19. The services on which Proposals are submitted must be of such character, quality and/or performance equivalence that it will serve as that specified. In submitted Proposals on services other than as specified, Bidder shall furnish complete data and identification with respect to the alternate services they propose to furnish.

20. Consideration will be given to Proposals submitted on alternate services to the extent that such action is deemed to serve the best interests of the City. The Bidder must furnish any information (specifications or test results) which will help in determining whether an item is equal or superior to our bid standards. If the Bidder does not indicate that the services he proposes to furnish is other than specified, it will be construed to mean that the Bidder will furnish the exact services described.
21. Should the Contractor fail to meet the deadline set forth in specifications the City reserves the right to procure services from other sources and hold Contractor liable for any excess costs.

22. The apparent silence of these specifications and any supplemental specifications as to any detail or the omission from the specifications of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and correct type, size and design are to be used. All interpretations of these specifications shall be made on the basis of this statement.

23. The Bidder certifies that no official or employee of the City or State of New Hampshire has a pecuniary interest in the bid or in the Contract that the Bidder offers to execute or in the expected profits to arise there from, and that this bid is made in good faith without fraud or collusion or connection with any other person submitting a bid.

24. The City reserves the right to waive any informality in any Proposal, to reject any and all Proposals wholly or in part, and to make awards in a manner deemed in the best interest of the City.

25. Bid security, in the form of a bid bond, deposit of cash, or certified check, bank cashier’s or bank official’s check drawn on a solvent bank, payable to the “City of Manchester” in the required amount (see specifications) must accompany each Proposal as a guarantee that if the Proposal is accepted a contract will be entered into. Such deposits of all Bidders will be held by the City until all Proposals submitted shall have been canvassed and the Proposals have either been rejected in whole or in part or the award of the contract has been made. The bid deposit of the successful Bidder will be held until a contract is duly executed. Bid deposits will be returned to unsuccessful bidders within two (2) weeks after execution of the contract. If the successful Bidder to whom a contract shall have been awarded refuses to execute the Contract and to furnish the insurance certificate and performance and/or payment bonds herein described within the ten (10) business days after award of the Contract, the amount of the bid deposit shall be forfeited to and retained by the City as liquidated damages for such neglect or refusal.

26. The successful Bidder will be required to furnish a bond or certified check on a solvent bank payable to the: “City of Manchester” in the required amount (see specifications) as a guarantee of the faithful performance thereof. The Bonding Company shall be authorized to conduct business in the State of New Hampshire by the State of New Hampshire’s Insurance Commissioner.

27. The successful Bidder will be required to furnish a payment bond or a certified check on a solvent bank payable to the “City of Manchester” in the required amount (see specification) as security for the payment of all labor performed or furnished, and for all materials used in the fulfillment of said contract. The bonding company shall be authorized to conduct business in the State of New Hampshire by the State of New Hampshire.
28. The Bidder, if awarded an order or contract, agrees to defend, indemnify, and hold harmless the City from all damages to life and property arising out of the performance of this Contract due to the Bidder's negligence, that of his employees, subcontractors, etc., or due to the negligence of the City, its employees, representatives, agents, etc.

29. The City of Manchester may withhold acceptance of or reject any merchandise, material or product which is found, upon examination, not to meet the specification requirements. When rejected, it shall be removed by the Contractor within ten (10) days after notification of rejection.

30. A contract shall not be assignable by the Contractor in whole or in part without the written consent of the Public Works Director or designee.

31. The Revised Statutes Annotated of the State of New Hampshire, the Charter of the City, and all City Ordinances insofar as they apply to the laws of competitive Bids, contracts and purchases are made a part hereto.

32. All deliveries of commodities hereunder shall comply in every respect with all applicable laws of the Federal Government and/or the State of New Hampshire.

33. The Bidder to whom a contract is awarded guarantees to the City that all warranties of merchantability and fitness for a particular purpose as provided for in New Hampshire 382A-2-314 and 2-314 shall remain in force and will not be disclaimed.

34. Payment Terms:
   
   a. The successful bidder shall keep accurate, document records of time, material and transportation allocable to the Contract. Related records will be available for audit purposes during normal business hours, as often as deemed necessary.
   
   b. Requests shall be on forms approved by the Department.
   
   c. Requests for payment must be submitted to:

   **Ms. KC Moran**  
   **Department of Public Works**  
   **475 Valley Street**  
   **Manchester, NH 03103**  
   **Email: kmoran@manchesternh.gov**

35. The Public Works Director may terminate the contract for breach by the Contractor of any of the provisions of the contract by giving the Contractor ten (10) days’ notice by registered mail.
36. The City may terminate the Contract at any time by giving written notice to Contractor of such termination and specify the effective date thereof, at least ten (10) days before the effective date of such termination.

FAILURE TO COMPLY WITH THESE REQUIREMENTS COULD RESULT IN THE CANCELLATION OF AN ORDER OR CONTRACT
STANDARD SPECIFICATIONS
FOR ROAD, DRAIN & SEWER CONSTRUCTION

These specifications are intended to relay to developers, contractors and other builders and trades, information concerning the Department of Highways' requirements relative to all construction under its jurisdiction in the City of Manchester, NH.

To facilitate this end, the Standard Specifications have been divided into three parts as follows:

PART I -- PUBLIC IMPROVEMENTS

Part I of the Standard Specifications outlines the Department's requirements concerning public improvements included in site development and subdivision projects. These requirements shall also apply to off-site improvements conducted within streets, rights-of-way, easements or other public lands belonging to the City of Manchester, New Hampshire.

All work relative to the above shall be conducted according to Section V of this part and the Technical Specifications as outlined in Part III.

PART II -- CONTRACT GENERAL PROVISIONS

Part II of the Standard Specifications outlines the Department's contractual requirements concerning work for road, drain and sewer projects along with other related work. These requirements shall apply to all such work contracted by the City of Manchester, Department of Highways and shall be considered a part of all proposals.

PART III -- TECHNICAL SPECIFICATIONS

Part III of the Standard Specifications outlines the Department's detailed requirements concerning the control of material, rules of construction and basis of payment. Supplemental Specifications not yet considered standard and Special Provisions for explaining items of work unique to a specific project, will be included in the proposal forms prepared by the Department.

The sections included in this part along with any Supplemental Specifications and Special Provisions, shall be considered a part of all proposals.

Copy of the current edition of the Standard Specifications may be found at the following location:

http://www.manchesternh.gov/Departments/Public-Works
BID SECURITY

The undersigned agrees to comply with the requirements as to the conditions of employment, wage rates and hours of labor set forth in the, "Contract Agreement". The undersigned hereby agrees to complete all the work shown or specified under this contract and as shown on the contract drawings within 12 months and he further agrees that the OWNER may retain from the moneys that are or which may become due an amount of two hundred dollars ($200.00) plus engineering charges for each and every calendar day (Sunday and holidays excluded) of time consumed in completing the work beyond the time conditions stipulated above or any extension of time that is duly authorized and such amount so to be retained, is hereby agreed to be liquidated damages accruing to the OWNER incident to such delay.

The undersigned agrees that if he is selected as CONTRACTOR, he will within ten (10) days, (Saturdays, Sundays and legal holidays excluded) after presentation thereof by the "Awarding Authority", execute a contract in the form attached hereto and furnish a Performance Bond and also a labor and materials or Payment Bond, each of a surety company registered and licensed to do business in the State of New Hampshire and satisfactory to the OWNER and each in the sum of at least one hundred percent (100%) of the contract price, the premiums for which are to be paid by the CONTRACTOR and are included in the bid price.

The undersigned understands that the OWNER reserves the right to reject any and all bids and to waive any informality in the bidding.

_________________________________
Contractor's Signature

_________________________________
Title

_________________________________
Date
Certificate of Acknowledgment of Contractor, if a Corporation

State of ________________
    ss:
County ________________

On this _____ day of ___________, 2020

before me personally came ___________________

to me known, who being duly sworn did say as follows:

that he resides at: ____________________________

and is the ________________

of __________________________

the corporation described herein and which executed the foregoing instrument; that he
knows the corporate seal of said corporation; the seal affixed to the foregoing instrument
is such corporate seal and it was so affixed by order of the Board of Directors of said
corporation and by the like order, he signed thereto his name and official designation.

________________________________
    Notary Public (seal)

My commission expires: ____________________________
The City of Manchester acting through its Department of Public Works hereinafter called the "Awarding Authority," requests bids for the furnishing of all labor, equipment and materials required for the construction of the “Pine Grove Cemetery Columbarium Project” in accordance with the plans and specifications prepared by the City of Manchester Department of Public Works.

The Bidder declares that the attached Proposal therein referred to has been carefully examined and is understood. It is proposed and agreed, if the bid is accepted, to Contract with the Owner to the required work in the manner set forth.

The undersigned as Bidder declares that the only person or parties interested in this proposal as principals are those named herein; that this Proposal is made without collusion with any other firm, that the undersigned has carefully examined the location of the proposed work, the proposed form of contract and the plans and specifications therein referred to, and the undersigned proposes and agrees if this Proposal is accepted, he will contract with the "Awarding Authority" to provide all the necessary labor, machinery, tools, apparatus and other means of construction to do all the work and furnish all the materials specified in the contract in the manner and time therein described and according to the requirements of the Engineer therein set forth and the undersigned will take full payment therefore, the following unit and total prices:

Total price of this Proposal (for comparison of bids) based on the estimated quantities is:

**Base Bid**

<table>
<thead>
<tr>
<th>Total Price In Words</th>
<th>$</th>
<th>Total Price In Figures</th>
</tr>
</thead>
</table>

**Add Alternate A**

<table>
<thead>
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<th>Total Price In Words</th>
<th>$</th>
<th>Total Price In Figures</th>
</tr>
</thead>
</table>
Add Alternate B

_________________________________     $_________________________
     Total Price In Words               Total Price In Figures

CONTRACTOR: _________________________

BY: _________________________

TITLE: _________________________

PHONE NUMBER: _____________________

It is agreed that the total BASE BID price presented above is to be used for the comparison of bids to determine the apparent low bidder.

Addendums received _______________________________

PROPOSAL

The undersigned agrees that this Bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

This Proposal includes Addenda No.:____________________________

______________________________
Contractor (Bidder) (seal)

By: _______________________________
   (Signature and Title)

Address: _______________________________


Being a (corporation incorporated)
    (under the laws of the)
    (State of _______________)
    (Partnership,   )
    (Individual    )

Composed of Officers, partners, or owner, as follows:

___________________________________
___________________________________
___________________________________
___________________________________
___________________________________
___________________________________
CITY OF MANCHESTER
Department of Highways

INFORMATION REPORT

PROJECT: Pine Grove Cemetery
          Columbarium Project

SITE VIEWING: At 2:00 PM, July 28, 2020

DATE BIDS OPENED: At 2:00 P.M., August 11, 2020

PROJECT TYPE: This contract consists of the construction of concrete
              patios and foundations for installation of columbariums
              at Pine Grove Cemetery, with work including but not
              limited to:

              • Excavating and backfilling;
              • Constructing concrete foundations;
              • Constructing concrete patios and asphalt
                sidewalks;
              • Purchasing prefabricated columbariums;
              • Providing an irrigation plan and installing
                irrigation; and
              • Landscaping.

CONTRACT PERIOD: The contract period for this project shall be 12 months
                  beginning at the date of Notice to Proceed.

PROPOSAL GUARANTEE: $5,000.00
**BID FORM**

**Pine Grove Cemetery**

**Columbarium Project**

The project as detailed in the Invitation for Bid Documents shall be completed for the prices listed below. This proposal shall be filled in by the bidder, in ink, with the prices written in both words and numerals, and the extensions shall be made by them. The amount in words shall govern.

**BASE BID**

The **BASE BID** includes, but is not limited to, site preparation, construction of two (2) concrete foundations for two (2) 96-niche columbariums, construction of two (2) concrete patios, and landscaping.

<table>
<thead>
<tr>
<th>Bid Item Number</th>
<th>Estimated Quantity</th>
<th>Unit</th>
<th>Description (Bid Price in Words)</th>
<th>Unit Price (Bid in Figures)</th>
<th>Total Price (Bid in Figures)</th>
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<tr>
<td>200.11</td>
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<td>LS</td>
<td>SITE PREP ______________________dollars and ______________________cents per LS</td>
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<td>304.4</td>
<td>60</td>
<td>CY</td>
<td>CRUSHED GRAVEL __________________dollars and ______________________cents per CY</td>
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<td>608.13</td>
<td>3</td>
<td>TON</td>
<td>HOT MIX ASPHALT, HAND METHOD ASPHALT 3” BITUMINOUS WALKWAYS __________________dollar and ______________________cents per TON</td>
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<td>CY</td>
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<td>TURF ESTAB. W/MULCH AND TACKIFIERS __________________dollars and ______________________cents per SY</td>
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<td>652.10</td>
<td>3</td>
<td>EA</td>
<td>PURPLE PRINCE CRABAPPLE 6-7’ __________________dollars and ______________________cents per EA</td>
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<td>Item No.</td>
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ADD ALTERNATE A

The ADD ALTERNATE A includes plantings around the exterior of the existing Mausoleum Building.

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ADD ALTERNATE B

The **ADD ALTERNATE B** includes adjusting the **BASE BID** to install a smaller columbarium, smaller concrete foundation, and additional concrete to make up the difference in the concrete patio. The total cost of **ADD ALTERNATE B** shall be completed such that should **ADD ALTERNATE B** be selected, the **BASE BID** plus **ADD ALTERNATE B** adjustment will represent the total cost of the work.

<table>
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<tr>
<th>Bid Item Number</th>
<th>Estimated Quantity</th>
<th>Unit</th>
<th>Description (Bid Price in Words)</th>
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<td>TOTAL ALT B</td>
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</table>

$ ____________________
Dollars and ______________________ Cents
BID BOND
Pine Grove Cemetery
Columbarium Project
FY20-500-54

The undersigned as bidder understands and agrees that the quantities of work as given for each item in this Proposal are only approximate and are assumed solely for the comparison of proposals. They are not guaranteed to be accurate statements or estimates of the quantities of work to be performed under this contract and any departures therefrom, will not be accepted as valid grounds for any claim or loss of profits. In case of variation between unit prices and total prices stated by the bidder, the unit prices will be considered to be his bid.

The undersigned further agrees to comply with the requirements as to conditions of employment, wage rates and hours of labor set forth in the form of Contract Agreement.

The undersigned agrees that if he is selected as CONTRACTOR, he will, within ten (10) days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the awarding authority, execute a contract in the form attached hereto and furnish a Performance bond and also a labor and materials or Payment Bond, each of a surety company registered and licensed to do business in the State of New Hampshire satisfactory to the "Awarding Authority" and each in the sum of at least one hundred percent (100%) of the contract price, the premiums for which are to be paid by the Contractor and are included in the various unit prices bid.

Accompanying this Proposal under separate cover is Five Thousand Dollars ($5,000) in the form of a Bid Bond, Cashier's Check or Certified Check* payable to the “City of Manchester”.

The undersigned understands that the OWNER reserves the right to reject any and all bids and to waive any informalities in the bidding.

*Bidder will cross out words which do not apply.

____________________________________  ____________________
Contractor's Signature                  Date

____________________________________
Title

23
Pine Grove Cemetery Columbarium Project
FY20-500-54

PROSECUTION OF THE WORK

Description of the Work:

This contract consists of the construction of concrete patios and foundations for installation of columbariums at Pine Grove Cemetery, with work including but not limited to:

- Excavating and backfilling;
- Constructing concrete foundations;
- Constructing concrete patios and asphalt sidewalks;
- Purchasing prefabricated columbariums;
- Providing an irrigation plan and installing irrigation; and
- Landscaping.

Utilities:

There are utility installations in the project area belonging to, but not necessarily limited to, the following:

<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
<th>Telephone</th>
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<tr>
<td>Comcast</td>
<td>751 E Industrial. Dr., Manchester</td>
<td>626-9900</td>
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<tr>
<td>National Grid</td>
<td>130 Elm Street, Manchester</td>
<td>625-4000</td>
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<tr>
<td>Manchester Fire Dept.</td>
<td>100 Merrimack St., Manchester</td>
<td>669-2256</td>
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<td>Manch. Water Works</td>
<td>281 Lincoln St., Manchester</td>
<td>624-6494</td>
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<td>Consolidated Comm.</td>
<td>100 Gay Street, 2nd Fl, Manchester</td>
<td>645-2700</td>
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<tr>
<td>Eversource</td>
<td>12 Bellemore Drive, Bedford</td>
<td>1-800-662-7764</td>
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</table>

Prosecution:

It is understood that the Contractor will match his work schedule with that of the Department of Public Works and other utility companies as applicable.

Temporary fencing shall be required at locations of open construction excavations and/or trenching and where it is required by the Engineer for public safety. Temporary fencing and gates shall be considered subsidiary to the contract and no additional payment shall be made.

Due to the limited funding for this work, the City reserves the right to delete any or all parts of the work in order to keep expenditures within the limits of available funds.
The plans are meant to be a schematic representation of the project. It should be understood by the Contractor that actual field conditions may differ. Therefore, some construction requirements will be determined in the field by the Engineer and payment for all work shall be based on the unit prices bid.

Any necessary traffic control and construction signage is subsidiary to the contract. The Contractor shall utilize City of Manchester Police before hiring flaggers.

The Contractor’s attention is directed to the fact that it is his/her sole responsibility to protect all bounds or other property/right-of-way monumentation from damage.

All existing trees that are to remain shall be protected from damage by the Contractor or his subcontractors.

Permits required from the Department of Public Works shall be furnished without charge. All other permits shall be the responsibility of the Contractor. All work to be performed shall be in compliance with the City of Manchester Ordinances or as specified on the permit itself. A permit is required from the Fire Department in order to blast.

Bidder shall be aware that the City of Manchester Department of Public Works Standard Specifications for Road, Drain and Sewer Construction (referred to as the “Standard Specifications”) were updated in January 2019. These Standard Specifications may be found on the City’s website at:

http://www.manchesternh.gov/Departments/Public-Works

The Contractor is responsible for supply of water used during operations. Connections and use of municipal fire hydrants without approval and permit from Manchester Water Works is prohibited. It is the responsibility of the Bidder to contact Manchester Water Works to understand the costs and procedure involved with permitting if a connection to a hydrant is needed. Any costs associated with the permit shall be responsibility of the Contractor and incidental to the Contract.

New lines for the irrigation shall be attached to the main line that comes from Mausoleum Building. The Owner shall locate it and flag the location.

All required erosion control measures are subsidiary to Mobilization and shall be paid for under 692-Moblization.

**BASE BID:**

Site preparation of the **Base Bid** shall include, but is not limited to, removal of all organic or unsuitable material and:

- **“SITE ONE”**
  - complete removal of one (1) tree and two (2) shrubs and corresponding stumps;
- removal of three boulders, to be salvaged back to Pine Grove Cemetery personnel;
- resetting one (1) fence end post

- **SITE TWO**
  - complete removal of one (1) tree and corresponding stump.

Refer to Plan Set. This work shall be paid for under Item 200.11.

The Contractor’s attention is directed to the presence of overhead electric wires and buried water in the vicinity of **SITE TWO.** It is the understanding of the City that the overhead wire feeds a singular light post and can be disconnected during construction. The diameter, pipe material, and exact location of the water line within the area is unknown. Care shall be taken to protect the line, if possible. The City is amenable to adjusting the line, if necessary. The approximate locations of these utilities are shown on Sheet S-2.

The Contractor shall install one (1) concrete patio area at **SITE ONE,** with exterior dimensions of approximately 23'-3" by 23'-9", and one (1) concrete patio area at **SITE TWO,** with exterior dimensions of approximately 22'-9" by 20'-3". Concrete shall be finished in accordance with the Standard Specification 608.3.2.6. Expansion joints and control joints shall be constructed as shown in Sheets S-1, S-2 and D. This work shall be paid for under Item 608.341.

All areas to receive turf establishment shall be seeded using hydraulic methods with mulch and tackifiers added (hydroseeding). Payment for hydroseeding areas shall be paid for under Item 646.6.

The installation of the plantings and trees shall be completed as shown on the Plan Set. The preferred plant supplier is Northern Nurseries, or approved equal. The Northern Nurseries contact is Matt Tomassetti (603) 868-7172.

Soil and mulch shall be added to the planting areas. The mulch shall be an Aged Spruce/Hemlock Blend from the Dirt Doctors (603) 229-3200, or approved equal. The mulch shall be installed at 3" in depth. This work is to be paid under Item 650.33.

The Contractor shall supply and install root barriers in the tree plantings in the concrete patio at **SITE ONE.** The root barrier shall be a minimum of 18” deep panels manufactured by Deep Root Partners, L.P., 81 Langton St. #4, San Francisco, CA, or approved equal. This work shall be paid under Item 660.

The Contractor is responsible for an irrigation plan. The plan shall be provided to the City for review and approval a minimum of 2 weeks prior to commencing installation. This work shall be paid for under 1001.21.

Construction of the approved irrigation system under the Base Bid shall be paid under item 1001.31. This includes but is not limited to, all labor, material, excavation, backfill, turf establishment outside area of work, connection to existing system, and all other items needed for the complete installation and operation of the new system. The system shall
be tested in presence of the City Engineer, or approved equal, and any necessary corrections shall be made prior to acceptance and payment under this item.

The Contactor shall purchase four (4) 4’ long by 14” wide by 18” high gray granite benches (smooth top and rough edges). The supplier shall assemble, deliver and install two (2) benches at “SITE ONE” and two (2) benches at “SITE TWO.” The supplier is Manchester Memorial Co. Inc. The Manchester Memorial Co. Inc. contact is Jeffery Boucher (603) 622-9013. These items shall be paid under Item 1002.1.

The Contactor shall install one (1) concrete foundation at “SITE ONE” and one (1) concrete foundation at “SITE TWO.” The concrete foundations shall be 3’-3” wide by 13’-9” long by 5’ deep. These items shall be paid under Item 1003.2. Six (6) inches of crushed gravel shall be placed as a base under each foundation.

The Contactor shall purchase two (2) basic Rock of Ages 96 niche columbarium from Manchester Memorial Co. Inc. - contact is Jeffery Boucher (603) 622-9013. Installation will be completed by Manchester Memorial Co. Inc. These items shall be paid under Item 1003.1.

The Contactor shall supply and install four (4) concrete planters at “SITE TWO.” Planters shall be the Empire Large Garden Urn, 24” in diameter and 19” tall with Natural (#N) finish, or approved equal. The preferred supplier of the planters is Statue.com. These items shall be paid under Item 1004.1.

The Contractor’s attention is directed to the delivery and installation timeframe for the columbariums. The columbariums from Manchester Memorial Co. Inc., have a 4-5 month delivery timeframe and installations do not occur between November 15 and May 15. Given these constraints, the Contractor is directed to complete all site work outlined above this 2020 construction season with the following exceptions:

- Columbariums shall be ordered and scheduled for installation in the Spring of 2021;
- Benches shall be ordered and scheduled for installation in the Spring of 2021, following the installation of the columbariums; and
- Planters shall not be installed until after the installation of the columbariums.

**ADD ALTERNATE A:**

Site preparation for Add Alternate A shall include, but is not limited to, the creation of new plant beds. Refer to sheet Mausoleum Landscape Plan (LS) in the Plan Set. This work shall be paid for under Item 200.12.

The installation of the plantings shall be completed as shown on the Mausoleum Landscape Plan. The preferred plant supplier is Northern Nurseries, or approved equal. The Northern Nurseries contact is Matt Tomassetti (603) 868-7172.
Soil and mulch shall be added to the planting areas. The mulch shall be an Aged Spruce/Hemlock Blend from the Dirt Doctors (603) - 229-3200, or approved equal. The mulch shall be installed at 3” in depth. This work is to be paid under Item 650.33.

The Contactor is responsible for an irrigation plan under Add Alternate A. The irrigation plan under Add Alternate A will be provided to City for review and approval a minimum of 2 weeks prior to commencing installation. This work shall be paid for under 1001.22.

Construction of approved irrigation system under Add Alternate A shall be paid under Item 1001.32. This includes but is not limited to, all labor, material, excavation, backfill turf establishment outside area of work, connection to existing system, and all other items needed for the complete installation and operation of the new system. The system shall be tested in presence of the City Engineer, or approved equal, and any necessary corrections shall be made prior to acceptance and payment under this item.

Given that the Contractor will already be on-site, there will be no separate Mobilization for this work.

**ADD ALTERNATE B:**

The intention of Add Alternate B is to provide the City with the option to install a smaller columbarium. The following items would adjust or replace Base Bid Items 608.341, 1003.1, and 1003.2, should Add Alternate B be selected by the City.

As described in the Base Bid, for Add Alternate B the Contractor shall install one (1) concrete patio area at “SITE ONE,” with exterior dimensions of approximately 23’-3” by 22’-2”, and one (1) concrete patio area at “SITE TWO,” with exterior dimensions of 23’-3” by 22’-2”. Concrete shall be finished in accordance with the Standard Specification 608.3.2.6. Expansion joints and control joints shall be constructed as shown in Sheets S-1, S-2 and D. This difference in the area of the concrete patio for Add Alternate B resulting from the smaller foundation, shall be paid for under 608.342.

The Contractor shall install one (1) concrete foundation at “SITE ONE” and one (1) concrete foundation at “SITE TWO.” The concrete foundations shall be 3’-3” wide by 10’-2” long by 5’ deep. These items shall be paid under Item 1005.2. This will replace Item 1003.2 from the Base Bid.

The Contractor shall purchase two (2) basic Rock of Ages 72 niche columbarium from Manchester Memorial Co. Inc. - contact is Jeffery Boucher (603) 622-9013. These items shall be paid under Item 1003.1. This will replace Item 1003.1 from the Base Bid.

**Surplus Material**

Except as noted above, the satisfactory disposal of all surplus excavation removed within the project that cannot be utilized as fill material will be the responsibility of the Contractor. No additional payment will be made for this work.
**Public Convenience and Property Protection**

The Contractor shall be aware that he will be required to maintain access to all properties in the project area at all times.

The Contractor will be responsible for the proper and timely notification to local residents and businesses should any temporary interruption of their access or services be absolutely necessary.

**Layout of Work**

It will be the responsibility of Department of Public Works to provide the initial layout of the baseline and a benchmark. The Contractor will be responsible for the preservation of the baseline and benchmark.

All lines and grade work not presently established at the site shall be laid out by the Contractor in accordance with the drawings and specifications and as directed by the Engineer.

The Contractor, at his own expense, shall be responsible for maintaining benchmarks and other survey marks and shall replace as directed any benchmarks or survey marks which have been disturbed or destroyed.

The Contractor shall compare all grades, lines, levels, and dimensions shown on the drawings with actual site conditions and shall promptly report to the project contact, Chris Sullivan, before commencing work of any inconsistencies he may discover.

No separate payment will be made for the work described in this section.

**Contract Documents**

In the event of a conflict of interpretation in the Contract Documents, the following is the general order of precedence:

1. Special Contract Requirements*
2. Special Provisions
3. Supplemental General Conditions
4. General Conditions
5. Supplemental Specifications,
7. Drawings
*Includes Prosecution of Work, Traffic Control plan and Special Attentions.

**Contract Period:** The contract period for this project shall be 12 months, beginning at the date of Notice to Proceed.
SUPPLEMENTAL SPECIFICATION
SECTION 660 - ROOT BARRIER

Description

1.1. This work shall consist of furnishing and installing components to prevent root intrusion beyond landscaped areas and under asphalt and concrete surfaces.

Material

2.1. Tree root barriers shall be as manufactured by Deep Root Partners, L.P., 81 Langton St. #4, San Francisco, CA, or approved equal.

2.2. Barrier shall be black, injection molded panels made of polypropylene plastic with ultraviolet inhibitors added. Panels shall be a minimum of 0.080 inches thick.

2.2.1. Panels shall have a molded design system to deflect roots from intruding into the panel.

2.2.2. Panels shall be molded into a system to allow the panels to interlock with surrounding soil and prevent vertical lifting of the panels by tree roots.

2.2.3. Panels shall have means of mechanically connecting one panel to another. Connectors shall be flexible to provide necessary changes in angle from one panel to the next.

2.3. Basic properties of the polypropylene plastic panels shall be:

Table 660-1 Plastic Panel Test Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>ASTM Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength @ yield</td>
<td>D638</td>
<td>3800 psi</td>
</tr>
<tr>
<td>Elongation @ yield</td>
<td>D638</td>
<td>6.3%</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>S790B</td>
<td>155,000 psi</td>
</tr>
<tr>
<td>Notched Izod Impact</td>
<td>D256A</td>
<td>7.1</td>
</tr>
<tr>
<td>Rockwell Hardness r.scale</td>
<td>D785A</td>
<td>68</td>
</tr>
</tbody>
</table>

Construction Requirements

2.4. Barriers shall be placed per manufacture’s recommendation and as directed on the plan.

2.5. Top edge of the panel shall be a minimum of ½ inch below grade. Each panel shall be joined to next panel with the necessary connectors. Gaps between panels are unacceptable.
2.6. Unless otherwise specified, barrier depth adjacent to sidewalks shall be 18” minimum.

Method of Measurement

3.1. Root barrier specified to be installed will be measured per linear foot installed complete in place.

Basis of Payment

4.1. The accepted quantity of root barrier installed, of the depth specified, will be paid for at the Contract unit price per linear foot installed complete in place. Payment shall be full compensation for all labor, tools, equipment, and materials; excavation, backfill, and other work and incidentals required for a complete installation of the barrier.

Pay Items and Units, Error! Reference source not found.

660. Root Barrier, __ inches deep

LF
CONTRACT AGREEMENT

THIS AGREEMENT made this ___ day of _______, 2020 by and between the City of Manchester, New Hampshire acting through its Department of Highways, hereinafter called the party of the first part and ________________________________________________________________
their successors and assigns, part of the second part, hereinafter called the Contractor. Witnessed the, that the Contractor, for and in consideration of the payment or payments herein specified and agreed to by the party of the first part, hereby covenants and agrees to furnish and deliver all the materials and to do and perform all the work and labor in the construction of “Pine Grove Cemetery Columbarium Project” hereinafter called the project, in the City of Manchester, County of Hillsborough, State of New Hampshire at the unit prices bid by the said Contractor for the respective estimated quantities, aggregating approximately the sum of: ___________________________ ($____________________), and such other items as are mentioned in the original proposal, which proposal and prices named, together with the General Provisions and Technical Specifications and the Special Provisions accompanying the proposal, and made a part of this Contract and accepted as such, are also agreed by each party as being a part hereof, the said project being situated as follows: Pine Grove Cemetery Columbarium Project

The Contractor further covenants and agrees that all of the said materials shall be furnished and delivered and all of said labor shall be done and performed in every respect to the satisfaction and approval of the Department of Highways aforesaid, within 12 months from the date specified in the Notice to Proceed.

The successful Bidder at the time of the execution of the contract must deposit with the Department of Highways security in the form of a Performance Bond and a Payment Bond, each in the sum equal to 100 percent of the amount of the contract award. The form of the bonds shall be that provided by the Department and the surety shall be acceptable to the City.
IN WITNESS WHEREOF, the parties of this contract have hereunto set their hands and seals as of the day and year first above written.

CITY OF MANCHESTER  
(SEAL)

The Honorable Mayor of the  
CITY OF MANCHESTER

By __________________________

Joyce Craig

Director of Public Works  
DEPARTMENT OF PUBLIC WORKS

By __________________________

Kevin A. Sheppard, P.E.  
Public Works Director

Signed and sealed in presence of:

__________________________________________  _____________________________________________

Date

CONTRACTOR  
(SEAL)

By: __________________________

Title: __________________________

Federal I.D. No. ________________

Approved as to form and execution

_______________________________________

City Solicitor

33
Certificate of Acknowledgment of Contractor, if a Corporation

State of New Hampshire,

ss:

County of Hillsborough,

On this ____ day of _____, 2020

before me personally came _________________________

to me known, who being duly sworn did say as follows:

that he resides at:

and is the ______________ of ________________________ the corporation

described herein and which executed the foregoing instrument; that he knows the corporate seal of said corporation; the seal affixed to the foregoing instrument is such corporate seal and it was so affixed by order of the Board of Directors of said corporation and by the like order, he signed thereto his name and official designation.

__________________________________________

Notary Public (seal)

My commission expires: ______________________
STATEMENT OF UNDERSTANDING

Project Safety

WHEREAS this project is subject to all Safety and Health Regulations as promulgated by the U.S. Department of labor, it shall be a requirement that the Contractor designate a "Safety Officer" who's duty shall be to monitor the project on a daily basis in order to insure that all safety measures alluded to in the contract and otherwise pertinent to this project, are strictly adhered to. Special attention shall be paid to maintaining existing guide, regulatory and warning signs affecting the movement of traffic.

IT IS hereby agreed that responsibility for the above mentioned safety measures is solely that of _________________________ has been designated as the project "Safety Officer".

Date: __________, 2020

________________________________________

By:

Title:
STATEMENT OF COMPLIANCE
Drug Testing Program

WHEREAS this project is subject to federal laws, rules and regulations, and WHEREAS all drivers of commercial vehicles over 26,000 pounds GVWR are required to have a Commercial Drivers License (CDL), it is hereby certified that the Alcohol and Drug Testing requirements for Commercial Motor Vehicle Drivers mandated by the Federal Highway Administration, United States Department of Transportation are being complied with.

Date: ________________, 2020

_____________________________________

By:

Title:
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That we ______________________
______________________________ a ________________________________ hereinafter
called the "Principal" and ______________________ of _______________________, State
of __________________________ hereinafter called the "Surety", are held and firmly
bound unto THE CITY OF MANCHESTER, NEW HAMPSHIRE, hereinafter called
"Owner", in the penal sum of ____________________________________________
($____________________) in lawful money of the United States, for the payment of
which sum well and truly to be made, we bind ourselves, our heirs, executors,
administrators and successors, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION is such that WHEREAS, the Principal
enter into a certain contract with the Owner, dated this ___ day of ____________,
copy of which is hereto attached and made a part of hereof for the construction of: “Pine
Grove Cemetery Columbarium Project” in accordance with drawings and
specifications prepared by the City of Manchester, N.H. which contract is by reference
made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all
the undertakings, covenants, terms, conditions and agreements of said contract during the
original term thereof, and any extensions thereof which may be granted by the Owner,
with or without notice to the Surety, and if he shall satisfy all claims and demands
incurred under such contract, and shall fully indemnify and save harmless the Owner
from all costs and damages which it may suffer by reason of failure to do so, and shall
fully reimburse and repay the Owner for all outlay and expense which Owner may incur
in making good any default, then this obligation shall be void; otherwise to remain in full
force and effect.

PROVIDED FURTHER, that the said Surety, for value received, hereby stipulates and
agrees that no change, extension of time, alteration or addition to the terms of the contract
or to the work to be performed thereunder, or the specifications accompanying the same,
shall in any way affect its obligation on this bond, and it does hereby waive notice of any
such change, extension of time, alteration or addition to the terms of the contract or to do
the work or to the specifications.

PROVIDED FURTHER, that no final settlement between the Owner and the Contractor
shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.
IN WITNESS WHEREOF, this instrument is executed in six (6) counterparts, each one of which shall be deemed and original, this the ___ day of _________________ 2020.

ATTEST: 

______________________________
Principal

______________________________ (S)
(Principal)

______________________________
(Seal) By _____________________ (S)

______________________________
(S)
Witness as to Principal

______________________________

Address

ATTEST: 

______________________________
Surety

______________________________ (S)
(SURETY) By __________________ (s)

______________________________ Attorney-in-Fact

(SEAL)

______________________________ (S)
Witness to Surety

______________________________ (Address)

______________________________
Address

Note: Date of Bond must not be prior to date of Contract.
PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: That ______________________________
_________________________________ as Principal, hereinafter called Principal, and
_________________________________ as surety, hereinafter called Surety, are held and firmly
bound unto THE CITY OF MANCHESTER, NEW HAMPSHIRE, as obligee, hereinafter
called Owner, for the use and benefit of claimants as herein below defined, in the amount
of ________________________________________ ($____________________)
for the payment whereof Principal and Surety bind themselves, their heirs, executors,
administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement, dated ____________, 2020 entered into a
contract with Owner for the construction of “Pine Grove Cemetery Columbarium
Project” in accordance with drawings and specifications prepared by the City of
Manchester, N.H. which contract is by reference made a part hereof, and is hereinafter
referred to as the Contract.

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms,
subcontractors, and corporations furnishing materials for or performing labor in the
prosecution of the work, provided for in such contract, and any authorized extension or
modification thereof, including all amounts due for materials, lubricants, oil, gasoline,
coal and coke, repairs on machinery, equipment and tools consumed or used in
connection with the construction of such work, and all insurance premiums on said work,
and for all labor, performed in such work, whether by subcontractor or otherwise, then
this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED FURTHER, that the said Surety, for value received, hereby stipulates and
agrees that no change, extension of time, alteration or addition to the terms of the contract
or to the work to be performed thereunder, or the specifications accompanying the same
shall in any way affect its obligation on this bond, and it does hereby waive notice of any
such change, extension of time, alteration or addition to the terms of the contract or to do
the work or the specifications.

PROVIDED FURTHER, that no final settlement between the Owner and the Contractor
shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in six (6) counterparts, each one
of which shall be deemed and original, this ____ day of ________________, 2020.
ATTEST: ____________________________Principal

______________________________ (Principal)

(Seal) By__________________________(S)

___________________________________

By: ________________________________Witness as to Principal(s)

___________________________________

___________________________________Address

___________________________________Surety

ATTEST: By_________________________Attorney-in-Fact(s)

______________________________ (Surety)

(Seal)

By: ________________________________(S)
Witness as to Surety

___________________________________

Note: Date of Bond must not be prior to date of Contract.
**Appendix A: Payment Request Form (1 of 2)**

---

**Contract Name**

CONTRACTOR: Contractor  
One Any Way  
Town, NH 00000

PAY REQUEST #: Number  
DATE OF REQUEST: Date

FOR PERIOD:  
Date A  
TO  
Date B

---

<table>
<thead>
<tr>
<th>Change Orders</th>
<th>Number</th>
<th>Date</th>
<th>Amount</th>
<th>PO#</th>
</tr>
</thead>
<tbody>
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<table>
<thead>
<tr>
<th>Retainage Releases</th>
<th>Date</th>
<th>Amount</th>
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<tbody>
<tr>
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</table>

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1. Original Contract Amount  

2. Net Amount Changed by Change Orders  

3. Contract Total To Date (Line 1 + Line 2)  

4. Total Work Complete to Date  

5. Retainage  

   a) Retainage to Date (Line 4 x % retainage)  
   
   b) Total Retainage Released to Date  
   
   c) Remaining Retainage (Line 5a - Line 5b)  
   
   d) Retainage Withheld this Pay Period  

5% RETAINAGE

6. Total Amount Earned, Less Retainage (Line 4 - Line 5c)  

7. Total Previous Payments Made  

8. Current Amount Due (Line 6 - Line 7)  

---

Contractor:  
By:  
Date:  

Project Manager:  
By:  
Date:
## Appendix A: Payment Request Form (2 of 2)

### Contract Name

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>CONTRACT</th>
<th>WORK COMPLETED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>UNITS</td>
<td>QUANTITY</td>
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</table>

**TOTAL CONTRACT PRICE:** $0.00  
**TOTAL TO DATE:** $0.00
APPENDIX B - DRAWINGS
CITY OF MANCHESTER
NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS
PINE GROVE CEMETERY
COLUMBARIUM PROJECT

2020

INDEX OF SHEETS

- COVER SHEET
- S-1  SITE ONE
- S-2  SITE TWO
- LS   MAUSOLEUM LANDSCAPE PLAN
- D    SITE DETAILS
- PD   PLANTING DETAILS
**PLANT LIST**

**EXISTING MAUSOLEUM**
- 4 JUNIPERUS CHINENSIS 'BLUE POINT' 3-4' x 3 GAL
- 3 SEA GREEN JUNIPER 3 GAL
- 5 TINY NINE BARK 3 GAL
- 3 DWARF ANDROMEDA 3 GAL

**EXISTING PARKING**
- 6 DWARF MAIDEN GRASS 3 GAL
- 23 DAYLILY 1 GAL

**SEED LAWN**
- 19 DAYLILY 1 GAL
- 2 DWARF INKBERRY HOLLY 3 GAL
- 6 DWARF MAIDEN GRASS 3 GAL
- 8 HARDY GERANIUM 1 GAL
- 5 TINY NINE BARK 3 GAL
- 3 SEA GREEN JUNIPER 3 GAL
- 1 HYDRANGEA 3 GAL
- 3 SIBERIAN IRIS 1 GAL
- 3 RED KNOCKOUT ROSE 3 GAL
- 3 BLUE HOSTA 1 GAL
- 3 DWARF ANDROMEDA 3 GAL
- 8 HARDY GERANIUM 1 GAL
- 3 BLACK EYED SUSAN 1 GAL
- 3 CONE FLOWER 1 GAL
- 3 SIBERIAN IRIS 1 GAL
- 3 SEA GREEN JUNIPER 3 GAL
- 5 TINY NINE BARK 3 GAL
- 2 DWARF INKBERRY HOLLY 3 GAL
- 11 DAYLILY 1 GAL

**SEED LAWN AND MULCHING**
- 59 HEMEROCALLIS X 'RUBY SPIDER' 1 GAL
- 6 ROSA X 'RADTKO' 3 GAL
- 9 PIERIS JAPONICA 'CAVATINE' 3 GAL
- 6 IRIS SIBIRICA 'SIBERIAN IRIS' 1 GAL
- 6 RUDBECKIA FULGIDA VAR. 'GOLDSTRUM' 1 GAL
- 8 HOSTA X 'BIG DADDY' 'BLUE HOSTA' 1 GAL

**NOTE:**
- All planting details are on Sheet PD, Shrubs P1, Perennials P4 Seed Lawn and Mulching P2
1. CONCRETE SHALL BE A MINIMUM COMPRRESSIVE STRENGTH OF 3000 PSI
2. ALL REBAR SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL
   CONFORMING TO REQUIREMENTS OF ASTM SPEC A6-15 (GRADE 60)
3. CONCRETE COVER AROUND REBAR, 3 WHEN CAST AGAINST SOIL, 2” ALL OTHERS
4. FOUNDATION TO BEAR ON UNDISTURBED SOIL OR COMPACTED FILL ABLE TO SUPPORT A
   SUPERIMPOSED LOAD OF 2000 LBS/SQ. FT.
5. BACKFILL MATERIAL SHALL BE PLACED IN LAYERS OF 8” OR LESS LOOSE DEPTHS AND
   COMPACTED TO 95% OF MAX DENSITY AS BY ASTM TEST METHOD D1557.
6. ALL CONCRETE SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR
   REINFORCED CONCRETE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-83) AND LOCAL
   BUILDING CODE. ALL CONCRETE WORK SHALL BE AS SPEC. AND RECOMMENDED BY THE ACI
   FIELD MANUAL SP-15.
7. PARGE THE SURFACE OF THE FOUNDATION WITH CEMENT MORTAR PRIOR TO SETTING THE
   COLUMBARIUM TO INSURE THE GRANITE BEARS EVENLY ON THE FOUNDATION. TOP OF THE
   FOUNDATION MUST BE SMOOTH & LEVEL WITH NO PROTRUDING STONES OR AGGREGATES.
   FAILURE TO PROPERLY PARGE THE FOUNDATION WILL VOID THE ROCK OF AGES WARRANTY.