

## INVITATION TO BID

The City of Rochester, New Hampshire, will accept sealed bids for work to be done on the Chesley Hill Water Tap. Bids must be submitted in a sealed envelope plainly marked as follows:

Chesley Hill 20"x12" Tap #07-23  
City of Rochester, New Hampshire  
31 Wakefield St.  
Rochester, NH 03867  
Attn: Purchasing Agent

All bids must be received no later than November 2, 2006 at 2:30pm no late bids, telephone, faxed or e-mailed bids will be accepted. The bid specifications, appendices and proposal forms may be obtained by visiting [www.rochesternh.net](http://www.rochesternh.net), or e-mailing [purchasing@rochesternh.net](mailto:purchasing@rochesternh.net), or by contacting the Purchasing Agent at City Hall, 31 Wakefield Street, Rochester, NH 03867, (603) 335-7602. All bid questions must be submitted in writing (e-mail preferred) to the Purchasing Agent. All bid proposals must be made on the bid proposal forms supplied, and the bid proposal forms must be fully completed when submitted.

Chesley Hill 20"x12" Water Tap  
Bid # 07-23

**Description & Quality Assurance:**

Furnish and install tapping sleeves and valves of the type(s) and size(s) and in the location(s) shown on the Drawings and as specified herein. This work is expected to be performed in mid to late November.

Related Work Specified Elsewhere: "Valve Boxes", "Valves & Specialties - General" if specified in this Division.

Tapping sleeves shall be stainless steel, or ductile iron split sleeve with M.J. ends. Acceptable Manufacturers are as follows:

1. Mueller
2. Kennedy Valve Manufacturing
3. Clow Corporation.
4. Or equivalent

**Required Materials:****Tapping Valve:**

- Valve Body, bonnet and stuffing box - Cast iron (ASTM A126, C1B), coated inside and out with fusion bonded epoxy meeting AWWA C550.
- Resilient Wedge - Ductile iron wedge with bonded Nitrile elastomer covering.
- Stem - Manganese bronze, ASTM B584
- Stuffing box O-rings
  - Two O-rings, each nitrile rubber.
  - Capable of changing under pressure.
- Wedgenut - Bronze, ASTM B62
- Bolting - stainless steel Type 18-8, ASTM F593, GP1
- End Connections
  - Buried valves - mechanical joint by flange for connection to tapping sleeve
- Operation
  - Buried valves - 2 inch square nut, cast iron, ASTM A126, C1B
  - Opening Direction - **clockwise**
- Manufacturer
  - Mueller
  - Kennedy Valve Manufacturing
  - Waterous
  - American Flow Control
  - Or equivalent
- Standards - valves shall meet or exceed AWWA C509, latest edition.

**Tapping Sleeves:**

- Shall be suitable for use on cast iron, ductile iron, PVC or AC as applicable.
- stainless steel split sleeve and flanged outlet.
- Working pressure - 200 psi.
  - Gasket: Neoprene type gasket suitable for potable water.
  - Valve Boxes:
- The valve box shall be cast iron, slip type two-piece integral base, 5-1/4 inch inside diameter shaft.
- Cast or ductile iron, with the word "Water" cast in covers,
- Buffalo Type with flange on top section

**Installation Requirements:****Tapping Sleeve and Valve:**

- Outlet flange face shall be set vertically, and sleeve shall be squarely centered on the main to be tapped.
- Support shall be provided under the sleeve and valve during the tapping operation.
- Thrust blocks shall be provided under and behind all tapping sleeves.
- Pressure test installations of tapping sleeve and valve before tapping pipe.
- After completing the tap, the valve shall be flushed to ensure the valve seat is clean.

Installation shall be made under pressure and the Contractor shall furnish the tapping machine.

**Valve Box:**

- Boxes shall be set vertically and adequately supported squarely over the operating nut.
- When installation is complete, no pressure shall be exerted by valve box on the water main or on the valve.
- Be of such length as required without full extension. Minimum lap 6 inches.

Top of valve box shall be adjusted to be flush with final grade.

**Responsibility**

The contractor shall be responsible for ensuring the integrity of the parent water main (existing 20-inch cast iron) from the time the soil excavation to expose the pipe is commenced until the water main is tapped, all new water appurtenances are installed, and the excavation is backfilled and compacted to the satisfaction of the owner. Any break, crack, split, or leak to the existing water main to be tapped during the time from the soil excavation to expose the water main commences until 24-hours after the soil has been backfilled following the installation of the tap and sleeve shall be the responsibility of the contractor to repair to the satisfaction of the owner at no additional cost to the owner.



**CHESLEY HILL 20"x12" Water Main Tap**

**BID FORM**

**BID #07-23**

**Business Name:** \_\_\_\_\_

**Bidder Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Telephone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Bid  
Amount:** \_\_\_\_\_

**Brand of Materials to be  
used:** \_\_\_\_\_

Bid results will be posted after 48 hours on the City of Rochester's web site:  
[www.rochesternh.net](http://www.rochesternh.net) or will be available by request via e-mail at the following address:  
[purchasing@rochesternh.net](mailto:purchasing@rochesternh.net)

## **INSTRUCTION TO BIDDERS**

### **PREPARATION OF BID PROPOSAL**

1. The Bidder shall submit her/his proposal upon the forms furnished by the City (attached). The bidder shall specify a unit price, both in words and figures if requested, for each pay item for which a quantity is given. All words and figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture; by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
4. All questions shall be submitted in writing to the Purchasing Agent. The Purchasing Agent will then forward both the question and the City's response to the question to all prospective bidders.

### **IRREGULAR PROPOSALS**

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

### **DELIVERY OF BID PROPOSALS**

When sent by mail, the sealed proposal shall be addressed to the owner at the address and in the care of the official in whose office the bids are to be received. All proposals

shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Faxed bid proposals are not acceptable.

### **WITHDRAWAL OF BID PROPOSALS**

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

### **PUBLIC OPENING OF BID PROPOSALS**

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

### **DISQUALIFICATION OF BIDDERS**

Either of the following reason may be considered as being sufficient for the disqualification of a bidder and the rejection of his proposal of proposals:

1. Evidence of collusion among bidders.
2. Failure to supply complete information as requested by the bid specifications.

## **AWARD AND EXECUTION OF CONTRACT**

### **CONSIDERATION OF PROPOSALS**

1. Bids will be made public at the time of opening and may be reviewed only after they have been properly recorded. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern. In case of a discrepancy between the total shown in the proposal and that obtained by adding the products of the quantities of items and unit bid prices, the latter shall govern.
2. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the City, the best interest of the City of Rochester will be promoted thereby.

### **AWARD OF CONTRACT**

If a contract is to be awarded, the award will be made to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed as soon as practical after the bid opening. No bid shall be withdrawn for a period of (60) sixty days subsequent to the opening of bids without the consent of the City of Rochester. The successful bidder will be notified, by the form mailed to the address on his proposal, that his bid has been accepted and that he has been awarded the contract.

### **CANCELLATION OF AWARD**

The City reserves the right to cancel the award of any contract at any time before the execution of such contract by all parties without any liability against the City.

**BID EVALUATION**

In addition to the bid amount, additional factors will be considered as an integral part of the bid evaluation process, including, but not limited to:

1. the bidder's ability, capacity, and skill to perform within the specified time limits
2. the bidder's experience, reputation, efficiency, judgment, and integrity
3. the quality, availability and adaptability of the supplies and materials sold
4. bidder's last performance
5. sufficiency of bidder's financial resources to fulfill the contract
6. bidder's ability to provide future maintenance and/or services
7. Other applicable factors as the City determines necessary of appropriate (such as compatibility with existing equipment.)

**CONDITIONS AT SITE**

Bidders must visit the site and shall be responsible for having ascertained pertinent local conditions, such as: location, accessibility and general character of the site of the building. The character and extent of existing work within or adjacent to the site, and any other work being performed thereon at the time of the submission of his bid.

**LAWS, PERMITS AND REGULATIONS**

1. The Contractor shall obtain and pay for all licenses and permits as may be required of him by law, and shall pay for all fees and charges for connection to outside services, and use of property other than the site of the work for storage of materials or other purposes
2. The Contractor shall comply with all State and Local laws, ordinances, regulations and requirements applicable to work hereunder, including building code requirements. If the Contractor ascertains at any time that any requirement of this Contract is at variance with applicable laws, ordinances, regulations or building code requirements, he shall promptly notify the City of Rochester in writing.

**CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE**

1. The Contractor shall deliver at the time of execution of the Contract, certificates of all insurance required hereunder and shall be reviewed prior to approval by the City of Rochester. The certificates of insurance shall contain the description of the Project, and shall state that the companies issuing insurance will endeavor to mail to the City of Rochester ten (10) days notice of cancellation, alteration or material change of any listed policies. The Contractor shall keep in force the insurance required herein for the period of the Contract. At the request of the City of Rochester, the Contractor shall promptly make available a copy of any and all listed insurance policies. The requested insurance must be written by a Company licensed to do business in New Hampshire at the time the policy is issued.



**2. The City of Rochester, NH shall be listed as additional insured on all the Certificates of Insurance.**

1. The Contractor shall require each Subcontractor employed on the Project to maintain the coverage listed below unless the Contractor's insurance covers activities of the Subcontractor on the Project.
2. No operations under this Contract shall commence until certificates of insurance attesting to the below listed requirements have been filed with and approved by the Department of Public Buildings & Grounds, and the Contract approved by the City Manager.

a. **Workmen's Compensation Insurance**

Limit of Liability - \$100,000.00 per accident

b. **Commercial General Liability**

Limits of Liability

Bodily Injury: \$1,000,000.00 per occurrence, \$1,000,000.00 aggregate

Property Damage: \$500,000.00 per occurrence, \$500,000.00 aggregate

Combined Single Limit, Bodily Injury and Property Damage:

\$1,500,000.00 per occurrence, \$1,500,000.00 aggregate

c. **Automobile Liability**

Limits of Liability - \$500,000.00 per accident

3. The Contractor shall indemnify, defend, and save harmless the City of Rochester and its agents and employees from and against any suit, action or claim of loss or expenses because of bodily injury. Including death at any time resulting there from, sustained by any person or persons or on account of damage to property, including loss of use thereof, whether caused by or contributed to by said City of Rochester, its agents, employees or others.

**ACCIDENT PROTECTIONS**

It is a condition of this Contract, and shall be made a condition of each subcontract entered into pursuant to the Contract. That a Contractor and any Subcontractors shall not require any laborer or mechanic employed in the performance of the Contract to work in surroundings or under working conditions which are unsanitary hazardous or dangerous to health or safety. As determined by construction safety and health standards of the Occupational Safety and Health Administration, United States Department of Labor, which standards include, by reference, the established Federal Safety and Health regulations for Construction. These standards and regulations comprise Part 1910 and Part 1926 respectively of Title 29 of the Code of Federal Regulations and are set forth in the Federal Register. In the event any revisions in the Code of Federal Regulations are published, such revisions will be deemed to supersede the appropriate Part 1910 and Part 1926, and be effective as of the date set forth in the revised regulation.

**SUBCONTRACTS**

1. Nothing contained in the Specifications or Drawings shall be construed as creating any contractual relationship between any Subcontractor and the City of Rochester. The Division or Sections of the Specifications are not intended to control the Contractor in dividing the work among Subcontractors or to limit the work performed by any trade.
2. The Contractor shall be as fully responsible to the City of Rochester for the acts and omissions of Subcontractors and of persons employed by him, as he is responsible for the acts and omissions of persons directly employed by him.

**PROTECTION OF WORK AND PROPERTY**

The Contractor shall, at all times, safely guard the City's property from injury or loss in connection with this Contract. He shall, at all times, safely guard and protect his own work and that of adjacent property from damage. All passageways, guard fences, lights and other facilities required for protection by State or Municipal laws, regulations and local conditions must be provided and maintained.

**USE OF PREMISES AND REMOVAL OF DEBRIS**

The Contractor expressly undertakes at his own expense:

1. To take every precaution against injuries to persons or damage to property;
2. To comply with the regulations governing the operations of premises which are occupied and to perform his Contract in such a manner as not to interrupt or interfere with the operation of the Institution;
3. To perform any work necessary to be performed after working hours or on Sunday or legal holidays without additional expense to the City, but only when requested to do so by the City;
4. To store his apparatus, materials, supplies and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of his work or the work of any other Contractors;
5. Daily to clean up and legally dispose of (away from the site), all refuse, rubbish, scrap materials and debris caused by his operation. Including milk cartons, paper cups and food wrappings left by his employees, to the end that at all times the site of the work shall present a neat, orderly and workmanlike appearance;
6. All work shall be executed in a workmanlike manner by experienced mechanics in accordance with the most modern mechanical practice and shall represent a neat appearance when completed.

**MATERIALS AND WORKMANSHIP**

Unless otherwise specified, all materials and equipment incorporated into the work under the Contract shall be new. All workmanship shall be first class and by persons qualified in their respective trades.

Where the use of optional materials or construction method is approved, the requirements for workmanship, fabrication and installation indicated for the prime

material or construction method shall apply wherever applicable. Required and necessary modifications and adjustments resulting from the substitution or use of an optional material or construction method shall be made at no additional cost to the City.

### **STANDARDS**

1. Materials specified by reference to the number, symbol or title of a specific standard, such as a Commercial Standard, a Federal Specification, Department's Standard Specifications, a trade association standard or other similar standard. Shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of advertisement, except as limited to type, class or grade or modified in such reference.
2. Reference in the Specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition. In such cases the Contractor may, at his option, use any articles, device, product, material fixture, form or type of construction which, in the judgment of the City expressed in writing to all Bidders before opening of bids as an addendum, is an acceptable substitute to the specified.
3. Substitution During Bid Time: Whenever any particular brand or make of material or apparatus is called for in the Specifications, a Bidder's Proposal must be based upon such material or apparatus, or upon a brand or make which has been specifically approved as a substitution in an Addendum issued to all Bidders during the bidding time.
4. The intent is that the brand or make of material or apparatus which is called for herein establishes a standard of excellence which, in the opinion of the Consultant and Engineer, is necessary for this particular Project.
5. Substitution After Bid Opening: No substitutions will be considered after bids have been opened unless necessary due to strikes, lockouts, bankruptcy or discontinuance of manufacture, etceteras. In such cases, the Contractor shall apply to the City, in writing within ten (10) days of his realizing his inability to furnish the article specified, describing completely the substitution he desires to make.

### **EXTRAS**

Except as otherwise herein provided, no charge for any extra work or material will be allowed unless the same has been ordered, in writing, by the Director of Public Works.

### **GUARANTEE OF WORK**

1. Except as otherwise specified, all work shall be guaranteed by the Contractor against defects result in from the use of inferior materials, equipment or workmanship for one (1) year from the Date of Final Acceptance.
2. Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.
3. In any case, wherein fulfilling the requirements of the Contract or of any guarantee,

should the Contractor disturb any work guaranteed under another contract, the Contractor shall restore such disturbed work to a condition satisfactory to the Director of Public Works. And guarantee such restored work to the same extent as it was guaranteed under such other contracts.

4. If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the City of Rochester may have the defects corrected and the Contractor shall be liable for all expense incurred.
5. All special guarantees applicable to definite parts of the work that may be stipulated in the Specifications or other papers forming a part of the Contract shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

#### **DEFAULT AND TERMINATION OF CONTRACT**

If the Contractor:

1. Fails to begin work under Contract within the time specified in the notice to proceed; or
2. Fails to perform the work with sufficient workmen and equipment, or with sufficient materials to assume prompt completion of said work; or
3. Performs the work unsuitably or neglects or refuses to remove materials or to perform a new such work as may be rejected as unacceptable and unsuitable; or
4. Discontinues the prosecution of the work; or
5. Fails to resume work, which has been discontinued, within a reasonable time after notice to do so; or
6. Becomes insolvent or has declared bankruptcy, or commits any act of bankruptcy or insolvency; or
7. Makes an assignment for the benefit of creditors; or
8. For any other causes whatsoever, fails to carry on the work in an acceptable manner the City of Rochester will give notice, in writing, to the Contractor for such delay, neglect, and default.

If the Contractor does not proceed in accordance with the Notice, then the City of Rochester will have full power and authority without violating the Contract to take the prosecution of the work out of the hands of the Contractor. The City of Rochester may enter into an agreement for the completion of said Contract according to the terms and conditions thereof, or use such other methods as in his opinion will be required for the completion of said Contract in an acceptable manner.

All extra costs and charges incurred by the City of Rochester as a result of such delay, neglect or default, together with the cost of completing the work under the Contract will be deducted from any monies due or which may become due to said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor shall be liable and shall pay to the City of Rochester the amount of such excess.

**OBTAINING BID RESULTS**

Bid results will be posted after 48 hours on the City of Rochester's web site:  
[www.rochesternh.net](http://www.rochesternh.net) or will be available by request via e-mail at the following address:  
[purchasing@rochesternh.net](mailto:purchasing@rochesternh.net)