TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

NOTICE OF BID

Adjusting Manhole Frames and Covers
Watertown Water & Sewer Authority

Sealed bids are invited and will be received by the Purchasing Agent of the Town of Watertown at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut, until 11 a.m., Tuesday, November 4th, 2014 at which time and place they will be publicly opened and read aloud for adjusting manhole frames and covers.

The Information for Bidders, Form of Bid, Specifications, and other contract documents may be obtained or examined at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut 06795 or by accessing the Town of Watertown’s website at http://www.watertownct.org. Proposals must be submitted on the forms provided and in a sealed envelope plainly marked “Bid – Adjusting Manhole Frames and Covers”.

To receive consideration bids must be in the hands of the Purchasing Agent or his authorized representative no later than the day and hour mentioned above.

The Purchasing Agent reserves the right to accept or reject any or all bids; to waive any informality; or to accept any bid deemed in the best interests of the Town of Watertown.

The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidder's business within the Town of Watertown in awarding this bid.

All bids will be considered valid for a period of sixty (60) days.

Jason Warner
Purchasing Agent
Town of Watertown
INFORMATION FOR BIDDERS

TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT 06795

Adjusting Manhole Frames and Covers
Watertown Water & Sewer Authority

BID OPENING: 11 a.m., Tuesday, November 4th, 2014

PROPOSALS RECEIVED
All bids must be in a sealed envelope and received prior to 11 a.m., Tuesday, November 4th, 2014 at the office of the Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795.

PREPARATION OF PROPOSALS
Proposals must be made upon forms contained herein. The blank spaces in the Proposal must be filled in correctly where indicated. The Bidder must state the prices for which he proposes to do each item of the work contemplated. In case of discrepancy where both words and the numerals are requested, the words shall govern. Ditto marks are not considered writing or printing and shall not be used. The Bidder shall sign his Proposal correctly. If the Proposal is made by an individual, his name, post office address and telephone number must be shown. If made by a firm, partnership, or corporation, the Proposal must be signed by an official of the firm, partnership, or corporation authorized to sign contracts, and must show the post office address and telephone number of the firm, partnership, or corporation. Failure to do so may disqualify the bid.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the Bidder, post office address, and name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to: The Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, CT 06795.

All information shall be entered in ink or by typewriter. Mistakes may be crossed out and corrections inserted before submission of your bid. The person signing the bid shall initial corrections in ink.

Corrections and/or modifications received after the closing time specified will not be accepted.

SUBMISSION OF PROPOSALS
All proposals and literature shall be submitted IN DUPLICATE on the proposal form, which is a part of these specifications.

Descriptive literature containing complete specifications must accompany each bid. If a bidder wishes to furnish additional information, more sheets may be added.

Adobe Acrobat® Reader is required to view electronic documents on-line. If you do not have Adobe

Response summaries will be available online at http://www.watertownct.org on the day of the bid opening.

Responses delivered via fax are received subject to the following qualifications and limitations:

1. The Town is not responsible for the confidentiality of the information transmitted.

2. The Town cannot guarantee that its fax equipment will be operational and able to receive transmittals by a particular time and date. It is the Bidder's responsibility to ensure that quotations are received in their entirety and on time at the required location. It is recommended that vendors be advised to call immediately after transmitting a document electronically to confirm complete and accurate receipt by the Town. The Town assumes no liability in the event that a bidder’s electronic transmission is not received by the Town in a timely fashion, or is not received either in its entirety or error-free.

3. Bids transmitted electronically which have a bond requirement are subject to the same submittal requirements as those responses delivered via traditional means, such as mail or hand delivery, or as otherwise stipulated by appropriate authority.

**INCURRING COSTS**

The Town of Watertown is not liable for any cost incurred for the preparation of proposals or submission of samples by the firms submitting proposals for the work requested in this bid document or request for proposals.

**FAMILIARITY WITH THE WORK**

Each bidder is considered to have examined the work to fully acquaint himself with the exact existing conditions relating to the work and has fully informed himself as to the work involved and the difficulties and restrictions attending the performance of this bid. Failure to do so will not relieve a bidder of his obligation to furnish all labor, materials and equipment necessary to carry out the work for the consideration set forth in this bid. The submission of a bid will be considered as conclusive evidence that the bidder has made such examination.

Where exploration or inspection data is shown on the Plans and/or specifications or made available to the Bidder, it is understood that such data where obtained in the usual manner and with reasonable care and are to be interpreted and used as the Bidder sees fit. There is no expressed or implied agreement that the data has been correctly indicated, and the Bidder is cautioned to take into account that conditions affecting the work may differ from those indicated.

The Owner assumes no responsibility whatsoever with respect to ascertaining for the Contractor such facts concerning physical characteristics relating to this project. The Bidder agrees that he shall
make no claim for and has no right to additional payment or extension of time for completion of the work, or any other concession, because of any interpretations or misunderstanding on his part of this bid, or because of any failure on his part to fully acquaint himself with all conditions relating to the work. Permission for making borings, test pits, destructive tests or other investigations of subsurface conditions will be arranged for by the bidder upon receipt of a written approval by the Town.

CONSIDERATION OF PRIOR SERVICE
Previous performance, quality of service and merchandise will be considered.

ADDENDA AND INTERPRETATIONS & ALTERNATE PROPOSALS
Addenda information will be available online at http://www.watertownct.org. Adobe Acrobat® Reader may be required to view this document. We strongly suggest that you check for any addenda a minimum of forty eight hours in advance of the bid deadline.

At the time of the opening of bids each bidder will be presumed to have inspected the work and to have read and to be thoroughly familiar with all of the Contract Documents (including all addenda). The failure or omission of any bidder to receive or examine any form, instruction or document shall in no way relieve any bidder from any obligation in respect to his bid.

If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of these specifications, he may submit a written request for an interpretation to the Purchasing Agent. No interpretations as to the meaning of the plans, specifications or other Contract Documents will be made to any bidder orally.

Every request for such interpretation should be in writing addressed (duplicate copy) to the Town of Watertown, Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795, and to be given consideration, must be received at least five (5) days prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplementary instructions will be in the form of written Addenda to the Specifications which, if issued, will be mailed by Registered Mail with Return Receipt Requested to all prospective bidders at the respective addresses furnished for such purposes, not later than three (3) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such Addendum or interpretations shall not relieve any bidder from any obligations under his bid as submitted. All Addenda so issued shall become part of the Contract Documents. Oral explanations will not be binding on the Town.

The specifications listed are to be interpreted as meaning the minimum acceptable by the Town of Watertown. Bidders are requested to submit quotations on the basis of these specifications. Alternative bids providing a broader scope and/or services than requested in these specifications may receive consideration providing such equipment and/or service is clearly explained. Any exceptions to the specifications requested herein must be clearly noted in writing and are to be included as a part of your bid proposal. If none are included it will be assumed that there are none.

Definition of the word "complete" means that each unit of the equipment proposed shall include all
appurtenances, fasteners, parts, accessories, and services ordinarily catalogued.

An item equal to that named or described in the specifications may be furnished by the Bidder, except where expressly noted as “no substitutions.” The naming of any commercial name, trademark, or other identification shall not be construed to exclude any item of any manufacturer not mentioned by name, nor limit competition, but shall establish a standard of equality only. An item shall be considered equal to the item so named or described if:

A. It is at least equal in quality, durability, appearance, strength and design.

B. It will perform at least equally the function imposed by the design for the work being contracted for or the material being purchased.

C. It conforms substantially, even with deviations, to the detailed requirements for the item in the specifications.

The Bidder shall hold the Town of Watertown, its officers, agents, servants, and employees, harmless from liability of any nature or kind because of use of any copyrighted or uncopyrighted compositions, secret process, patented or unpatented inventions, articles or appliances furnished or used under this bid, and agrees to defend, at his own expense, any and all actions brought against the Town of Watertown or himself because of the unauthorized use of such articles.

QUOTATION LIMITATION
Bidders shall offer only ONE ITEM AND PRICE for each line item bid. If an or equal item is to be bid, the bidder is to select the brand and model that meets or exceeds the specified item, and submit his bid for that item.

ESTIMATE OF WORK
For bidding purposes, the work has been subdivided into unit price items. The quantities shown are to be considered as approximate only. The Purchasing Agent does not expressly or by implication agree that the actual quantity will correspond therewith, but reserves the right to increase or decrease the amount of any item or portion of the work as deemed necessary.

WITHDRAWAL OF BID
Bidders may withdraw their proposals at any time prior to the bid date. No agent/broker shall withdraw or cancel their proposal for a period of sixty (60) days after the bid closing date of 11 a.m., Tuesday, November 4th, 2014. The successful agent/broker shall not withdraw, cancel or modify their proposal.

POWER OF ATTORNEY
Attorneys-in-fact who sign contract bonds must file, with each bond, a certified and effectively dated copy of their power of attorney.
SUBCONTRACTORS
A. Each bidder contemplating the use of any subcontractor shall submit a list of subcontractors as listed on the Bid Form.
B. The apparent low bidder shall file with the Town of Watertown, within five (5) days after the date of bid opening, a complete list of the names and addresses of competent, responsible and qualified subcontractors who are actually to perform major portions of the work. This in no way restricts or limits the requirement that all subcontractors must be approved by the Town.
C. Subcontractors listed on the Bid Form or those previously approved may not be changed without the approval of the Town of Watertown.

Local subcontractors, material suppliers, and labor in the Town of Watertown should be considered and sought insofar, as is practical in the performance of this project.

QUALIFICATION OF BIDDER
In determining the qualifications of a bidder, the Town may consider his record in the performance of any contracts for similar work into which he may have previously entered; and the Town expressly reserves the right to reject the bid of such bidder if such record discloses that such bidder, in the opinion of the Town, has not properly performed such contracts or has habitually, and without just cause, neglected the payment of bills or has otherwise disregarded his obligations to subcontractors, suppliers, state or local codes, men or employees of subcontractors.

The Town may make such investigation as he deems necessary to determine the ability of the bidder to perform the work and the bidder shall furnish to the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by or the investigation of such bidder fails to satisfy the Town that such bidder is properly qualified, or that such bidder misrepresented material facts in the bid documents.

DISQUALIFICATION OF BIDDERS
More than one proposal from an individual, firm, partnership, corporation, or an association under the same or different names will not be considered. Reasonable grounds for believing that any Bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which such Bidder is interested. Any or all proposals in which such Bidder is interested will be rejected if there is reason for believing that collusion exists among the Bidders and all participants in such collusion will not be considered in future proposals for the same work. Proposals in which the prices are obviously unbalanced may be rejected. No Contract will be awarded except to competent Bidders capable of performing the class of work contemplated.

DELIVERY
Inasmuch as this work concerns a needed public improvement, the provisions of this bid relating to the time of delivery, performance and completion of the work are of the essence of this bid. Accordingly, the successful bidder shall commence work upon receipt of the signed Purchase Order within unless the Town shall authorize or direct a further delay.
Time of delivery shall be stated as the number of calendar days following receipt of the Purchase Order by the Bidder to receipt of the goods or services by the Town of Watertown.

Prices quoted must include delivery to the Town of Watertown as specified on the Purchase Order. No charges will be allowed for parking, crating, freight, express or cartage unless specifically stated and included in this bid.

Time of delivery may be considered in the award.

**PAYMENT**

The Town, after inspection and acceptance of workmanship, and in consideration of the faithful performance by the Bidder of all and singular his covenants, promises, and agreements contained herein, agrees to pay the Bidder for the full completion by him of the work embraced in this Contract, within (30) Thirty Days of the receipt of the final invoice. When subcontractors or suppliers are utilized, the successful Bidder for this project shall be required to submit a Mechanics Lien Waiver, acceptable to the Town, with each progress payment and/or at time of final payment prior to any payment being made.

Time, in connection with any discount offered, will be computed from the date of delivery to the Town or from the date a correct invoice is received by the Town's Finance Department, if the latter date is later than the date of delivery.

Prices will be considered as **NET**, if no cash or payment discount is shown.

The successful bidder shall submit invoices to the following address:

Watertown Water & Sewer Authority  
747 French Street  
Oakville, CT 06779

**IT IS UNDERSTOOD AND AGREED THAT SHOULD A BID BE ACCEPTED, IT WILL AUTOMATICALLY BECOME THE CONTRACT OR AN ADDENDUM TO ANY CONTRACT AGREED UPON.**

Notification of the bid award will be made by issuance of a purchase order. Bidders are to list their bids on the appropriate attached sheets. Bidders may attach a letter of explanation. A clear notification should be made on the standard bid sheets at the appropriate point of explanation that there is a letter of explanation attached. All bids must be NET prices.

The successful bidder shall submit an itemized invoice to the Town of Watertown for the work as described herein.
The bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment and at time of final payment prior to any payment being made.

At the time of award the successful bidder shall be required to supply the Town of Watertown a Certificate of Good Standing, certifying that the corporation is in fact a valid corporation and presently licensed to conduct business in the State of Connecticut.

**SALES TAX**

Certain materials and supplies incorporated in the work of this project are exempt from Connecticut Sales Tax. The Bidder shall familiarize himself with current regulations of the State Tax Department. The tax on materials or supplies exempted by such regulations shall not be included as part of the bid. The Town will furnish the successful Bidder sales tax exemption authorization.

**CARE AND PROTECTION OF PROPERTY**

The Bidder shall take particular care to avoid damages to all private and public property and to private or public improvements within the Town's right of way. He shall make good any damages to the satisfaction of the Town. There shall be no additional compensation for the repair or restoration of private or public property improvements.

**COMPLIANCE WITH FEDERAL, STATE AND LOCAL CODES**

The Bidder shall be responsible for full compliance with any Federal, State and/or Local codes, laws, regulations and standards, as applicable.

**AWARD**

The Town of Watertown reserves the right to accept or reject any bid to best serve its interests, or to hold the bids for sixty (60) days before decision.

The Town reserves the right to reject any and all bids (or any part thereof), to waive defects in proposals, or to accept any proposal deemed to be in its best interest.

*Exceptions will be considered to the specification provided, providing they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS"

Each exception will be considered as to its degree of impact and total effect on the bid. The purchaser shall determine which (if any taken) exceptions are acceptable, and this determination shall be final.

The Town of Watertown reserves the right:

1) To award bids received on the basis of individual items, or groups of items, or on the entire list of items.
2) To reject any or all bids, or any part thereof.

3) To waive any informality in the bids.

4) The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidders business within the Town of Watertown in awarding this bid.

5) To accept the bid that is in the best interest of the Town of Watertown. The Purchasing Agent's decision shall be final.

INSURANCE

A. General:

The Bidder shall be responsible for maintaining insurance coverage in force for the life of the contract of the kinds and adequate amounts to secure all of the Bidder’s obligations under the contract with an insurance company with an AM Best Rating of A - VII or better licensed to write such insurance in Connecticut and acceptable to the Town of Watertown.

The insurer shall provide the Town of Watertown with Certificates of Insurance signed by an authorized representative of the insurance company(ies) prior to the performance of this contract describing the coverage and providing that the insurer shall give the Town of Watertown written notice at least thirty (30) days in advance of any termination, expiration, or any and all change in coverage.

Such insurance or renewals or replacements thereof shall remain in force during the Bidder’s responsibility under this agreement.

The Bidder at his own cost and expense shall procure and maintain all insurance required and shall name the Town of Watertown as an additional insured on all contracts except Worker’s Compensation and Professional Errors & Omissions coverage.

In order to facilitate this requirement for insurance, it is recommended that the bidder forward a copy of this exhibit to the bidder’s insurance representative(s).

B. Specific Requirements:

(1) Workers’ Compensation Insurance

The Bidder shall provide Workers’ Compensation Insurance required by law and the Employer’s Liability Insurance for at least the amounts of liability for Bodily Injury by accident of $100,000 each accident; Bodily Injury by Disease each employee of $100,000; Bodily Injury by Disease, policy limit of $500,000.
(2) **Commercial General Liability Insurance**
The Bidder shall carry Commercial General Liability policy (Insurance Services Office Incorporated Form CG-0001 or equivalent). A per occurrence limit of $1,000,000 is required. The Aggregate Limit will be not less than $1,000,000.

(3) **Business Automobile Liability Insurance**
The Bidder shall carry Business Automobile Liability Insurance. (Insurance Services Office Incorporated Form CA-00001 or equivalent). A per occurrence limit of $1,000,000 is required. “Any Auto” (symbol 1 or equivalent) is required.

C. **Hold Harmless & Subcontractor’s Requirements:**

The Bidder shall require the same insurance that it is required to carry by the Town of Watertown to be carried by any subcontractors and independent contractors hired by the Bidder and to obtain Certificates of Insurance before subcontractors and independent contractors are permitted to begin work.

The Bidder shall require that the Town of Watertown be named as Additional Insured on all subcontractor’s and independent contractor’s policies before they are permitted to begin work.

The Bidder and all subcontractors and independent contractors and their insurers shall waive all rights of subrogation against the Town of Watertown, and its officers, agents, servants and employees for losses arising from the work performed by each on this contract.

The Bidder assumes and agrees to hold harmless, indemnify, protect and defend the Town of Watertown against any and all liability for injuries and damages to Bidder and to Bidder’s employees, agents, subcontractors and guests, third parties or otherwise incident to or resulting from any and all operations performed by a contractor under any terms of this contract.

D. **Other Data:**

**NOTE 1:** If Bidder is only a vendor shipping goods via Common Carrier only, General Liability is required.

**NOTE 2:** If Bidder is a Professional, Errors & Omission coverage will be required.

**NOTE 3:** The Town reserves the right to amend amounts of coverage required and the types of coverage provided based on work or service to be performed.

**GUARANTEE**
The bidder shall unconditionally guarantee for a period of one (1) year from the date of acceptance, all materials, supplies, equipment, and services; including but not limited to its workmanship,
delivery and installation. If within the guarantee period there are any defects or signs of deterioration the bidder shall repair, adjust or replace the item(s) to the complete satisfaction of the Town. These repairs, adjustments, or replacements are at the sole expense of the bidder and shall be made at such times that are agreeable to the Purchasing Agent so that it is least detrimental to instructional programs.

PERMITS
When required all licenses and permits for complying with any applicable Federal, State, and Municipal laws, codes, regulations in connection with the prosecution of the work shall be obtained by the Bidder, at no additional cost to the Town. The cost of local building permits will be assessed at sixteen cents per one thousand dollars of construction value as declared on the building permit application pursuant to State of Connecticut Statute Sec. 29-263 by the Town of Watertown. The successful contractor will be responsible for payment to the Town of Watertown Building Inspection Department.

NONDISCRIMINATION IN EMPLOYMENT
The successful bidder shall agree and warrant that, in the performance of this contract, he will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by State, Federal, County, or Municipal law. A certification of Nonsegregated Facilities and a Certification Regarding Equal Employment Opportunity shall be considered a part of this contract.

MECHANICS LIEN WAIVERS
The successful Bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment, and/or at time of final payment, prior to any payment made.

For further technical or administrative information contact Jason Warner, Purchasing Agent at (860) 945-5260 or via email at warner@watertownct.org.
INTRODUCTION
The Water and Sewer Authority (WSA) has many paved-over manholes which it intends to raise to provide access to the sewers for maintenance, television inspection and engineering studies. This is a multi-year project. Extension of this contract, if mutually agreeable to the parties, could occur for two years beyond the first year.

The WSA intends to adjust the grade of approximately forty (40) manholes the first year. Subsequent years are dependent upon the number of paved-over manholes, the number of manholes found to need rehabilitation and the available funds.

SCOPE OF WORK
This item shall consist of reconstructing and/or adjusting sanitary sewer manholes and furnishing all materials and labor necessary to bring them to the existing grades or elevations designated by the Owner. The Contractor shall be responsible for raising to grade all assigned Water and Sewer Authority manholes, whether or not visible to the naked eye. Call-Before-You Dig markouts, stakes, sewer plans or lists of manhole locations shall be made available to the Contractor as construction progresses for the purpose of locating manholes which are not visible at street level. The Contractor shall be responsible for all State and local permits and Call-Before You-Dig matters. The Town will pay for police for traffic control as determined by the Watertown Police Department. If no police are available for traffic duty as determined by the Police Department, the Contractor shall provide flagmen as needed. The Contractor will provide all necessary traffic control signs, cones, etc.

RESETTING
All manholes and covers shall be reset in accordance with these Specifications when the existing manhole is more than one-quarter inch (1/4") over or under the existing grade of the finished pavement or construction. They shall be accurately set to line and grade by removing the frame and cover, and raising or lowering the masonry top of the structure.

In roadway areas where permanent pavement has been applied over existing manhole frames, the manhole frames are to be adjusted to the grade of the existing pavement in accordance with the tolerances outlined above.

- A neat circular line shall be cut in the pavement around the existing frames with a shell manhole cutter, or a four-foot by four-foot square will be cut with a pavement saw, jackhammer or other approved equipment so that the diagonal of the 4-ft. x 4-ft. cut is
parallel to the centerline of the road or traveled area.

- The material-gravel, pavement and concrete collar (if there) shall be removed down to six (6) inches below the frame.
- The frame shall be freed from its existing grout bed and shimmed with steel or HPDE shims of the appropriate thickness at a minimum of four (4) alternate locations, so as to insure that the frame or course of brick will not rock. The necessary courses of brick and frame shall then be set into a full bed of mortar and the exterior of the masonry shall be plastered with 3/8-inch thick mortar coating.
- The frame shall be protected from traffic damage until the mortar has taken a firm set.

MANHOLE ADJUSTMENT WITH ADAPTER RINGS
For manhole covers to be raised less than or equal to five (5) inches and where the total collar height would not exceed eighteen (18) inches, manhole adapter rings may be used if approved by the Owner. Adapter rings may be up to a maximum of five (5) inches utilizing no more than one ring.

If approved by the Owner, gray iron adjusting rings of 1", 1-1/2" and 2" in height may be used to adjust existing manhole frames to final grade. The ring shall be 25-1/2" in diameter and capable of accepting a 2: cover (State of Connecticut Standard Manhole Frame and Cover-E.L. LeBaron, Catalog No. LK310.) Ring shall be a minimum of 3/4" thick by appropriate height meeting ASTM A36 or A.I.S.I. 1020 Hot Rolled Steel. A maximum of one new adjusting ring may be used per manhole. Acceptable adjustment rings shall be as supplied by American Highway Products, Massillon, OH; E.L. LeBaron of Brockton, MA or W.M. Miller, Knoxville, TN or approved equal manufactured in the United States of America.

EXCAVATION
Excavation shall be performed wherever necessary to bring the manholes to grade as designated by the Owner.

MATERIALS
- Building brick shall be number one, hard grade brick. These brick, when made from clay or shale, shall conform to AASHTO "Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)", Serial Designation M114.
- All brick shall be new and whole, of uniform standard size and with substantially straight and parallel edges and square corners. Bricks shall be tough and strong and free from holes, injurious cracks and flaws. Bricks shall be culled after delivery, if required, and all culls shall be removed from the work site.
- The Contractor may be required to furnish the Owner with at least five bricks of the character and make he proposes to use, at least one week before any bricks are delivered for use. All bricks shall be of the same quality as the accepted samples.
- Masonry Mortar
  - Mortar shall be composed of the following mixture: One part Portland Cement, two parts sand, hydrated lime not to exceed ten percent of the cement used. Water shall be added to the mixture in such quantity as to form a stiff paste.
- The mortar shall be hand-mixed or machine-mixed. In the preparation of hand-mixed mortar, the sand, cement and hydrated lime shall be thoroughly mixed together in a clean, tight, mortar mix until the mixture is of uniform color, after which water shall be added. Machine-mixed mortar shall be prepared in an approved mixer and shall be mixed not less than 1-1/2 minutes.

- Mortar shall be used within thirty minutes after mixing. Re-tempering of mortar will not be permitted.
  - Materials used shall conform to the following Specifications:
    - Portland Cement ASTM C150, Type II
    - Hydrated Lime ASTM C207, Type N
    - Sand ASTM C-33 for fine aggregate
    - Water: Use only water which is clean and free from deleterious amounts of acid, alkali, salt and organic matter.

- Backfill material shall conform to the existing material in the subgrade and base course, and thoroughly tamped in place until no further displacement occurs.

**CLEANING**
All manholes shall be thoroughly cleaned of all excess mortar and accumulations of silt, clay, debris or foreign matter of any kind and shall be free from such at the time pavement is to be laid.

**PAVEMENT RESTORATION**

**Permanent Road-Cut Base Course Resurfacing (Town Roadway and Driveways)**
1. Class I bituminous concrete will be utilized as the base course of the permanent resurfacing.
2. Square-up all edges and prepare base course as specified in this Section.
3. Edges of the cut shall be cut back in a neat true line, a minimum twelve (12) inches outside all limits of the frame with a manhole shell cutter, water-cooled abrasive saw or other approved method.
4. Edges of the existing pavement shall be brushed clean and the specified tack coat applied.
5. The Class I base course shall have a compacted thickness of two (2) inches.
6. The Class I base course will be placed by hand.
7. Compaction shall be accomplished with a motorized compactor or other approved method.
8. The road-cut base course resurfacing shall be maintained by the Contractor until permanent top course resurfacing is placed.

**Permanent Road-Cut Surface Course Resurfacing (Town Roadways and Driveways)**
1. The road-cut base course resurfacing shall remain in place.
2. The road surface shall be swept clean of all foreign matter and loose material.
3. Depressions in the road-cut base course resurfacing shall have a leveling course applied before the permanent resurfacing begins.
4. The surface receiving the permanent top course resurfacing shall be completely dry prior to
the application of the tack coat.

5. Tack coat shall be applied at the rate of 0.25 gallons per square yard. The contact surface of the casting and other structures shall be painted with the tack coat.

6. Bituminous concrete surface course pavement shall be Class II compacted thickness shall be two (2) inches, placed in a single lift.

7. Compaction shall be accomplished with a self-propelled roller with a weight of approximately 285 pounds per inch of roller width, or a motorized compactor.

**Permanent Pavement (Connecticut Highways)**

1. Backfill-The road-cut shall be filled with suitable material and compacted in lifts not to exceed six (6) inches. Ninety-five (95) percent compaction must be achieved for each lift.

2. Immediately place nine (9) inches of bituminous concrete (six [6] inches of Class 4 and three [3] inches of Class 1 installed in two lifts for each class) to meet existing pavement depth.

3. Original pavement edges shall be saw cut to neat straight lines to a depth necessary to remove all pavement.

4. Full-depth replacement is required for pavement removed during the excavation.

5. If the pavement is Portland Cement Concrete (PCC) under bituminous concrete overlay, the PCC shall be replaced with Class 4 bituminous concrete at a depth matching the existing PCC depth or six (6) inches, whichever is greater.

6. If PCC is not present, Class 4 shall be placed at a minimum depth of six (6) inches.

7. Class 1 bituminous concrete shall be placed at depths and lifts necessary to match the original surface grade.

8. The pavement surrounding and including the excavation shall be removed to a depth of two (2) inches.

9. The entire milled area including the edges shall be swept and tack-coated with approved material at the appropriate rate.

10. The area will then be overlaid with Class 1 bituminous concrete compacted with a motorized compactor approved by the CT DOT.

**Sand Seal**

1. The butt edges of all permanent resurfacing shall be sealed with a six (6) inch wide continuous strip of RS-1, completely covered with sand.

**MEASUREMENT (IF APPLICABLE)**

The number of manholes paid for will be the actual number of each type ordered reset, completed and accepted by the Owner, except that extra payment shall be made at a price per inch for adjustment in excess of four inches measured from the existing pavement or proposed elevation to the frame rim before removal.

**PAYMENT (IF APPLICABLE)**

The accepted number of each manhole adjusted by not more than four (4) inches will be paid for at the respective contract unit price bid. Adjustment in excess of four (4) inches shall be paid for at the contract unit price per vertical inch for "Excess Manhole Adjustment." The number of vertical inches
shall be measured as outlined above minus four (4) inches. The first four (4) inches shall be paid under Items 1 and 2, "Adjust Sanitary Manhole Frames. Not More Than 4 Inches." Payment shall be payment in full for furnishing all materials, excavation, form work when necessary, back-filling, disposal of surplus materials, and for all labor, equipment, tools, and incidentals necessary to complete the work herein specified.
PLEASE

IT IS A REQUIREMENT OF THIS BID THAT EACH PROPOSAL SUBMITTED MUST HAVE A DUPLICATE COPY ATTACHED.

YOUR COOPERATION IS APPRECIATED
BID PROPOSAL

Adjusting Manhole Frames and Covers
Watertown Water & Sewer Authority

BID OPENING: 2:00 p.m., Thursday, June 28, 2007

TO:  Jason Warner, Purchasing Agent
     Town of Watertown
     Town Hall Annex
     424 Main Street
     Watertown, CT 06795

The undersigned, as bidder, agrees to furnish all labor, materials and equipment as specified herein and declares that no person or persons, other than those named herein, are interested in this Proposal; that this Proposal is made without collusion with any person, firm, or corporation; that he has carefully examined the location of the proposed work; that no person or persons acting in any official capacity for the Town is directly or indirectly interested therein or in any portion of the profit thereof; and that he proposes and agrees, if this Proposal is accepted, provide all necessary equipment, tools, labor and deliver and to do all work and furnish all materials specified in the Contract, in the manner and time therein prescribed, and according to the requirements of the Town as therein set forth, and that he will take in full payment therefor, the following unit prices and lump sums, to wit:

FIRM ____________________________________________

Name ____________________________________________

Street ____________________________________________

City __________________________ State __________ Zip Code __________

NAME ____________________________________________

Please Print

TELEPHONE NUMBER ____________________________________________

FAX NUMBER ____________________________________________

EMAIL ADDRESS ____________________________________________

SIGNED ____________________________________________ DATE __________________
## PROPOSAL

<table>
<thead>
<tr>
<th>Description/Unit Price</th>
<th>Estimated Quantities</th>
<th>Computed Totals</th>
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<tbody>
<tr>
<td>Adjust Sanitary Manhole Frames. Not more than 4-inches (with brick) in Town streets. The unit price of</td>
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<tr>
<td>_______________________________ Dollars and ___________________________ Cents</td>
<td>(雕刻) per _____________.</td>
<td>30ea. $ __________</td>
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| Adjust Sanitary Manhole Frames. Not more than 4-inches (with brick) in Connecticut highways. The unit price of | | |
| _______________________________ Dollars and ___________________________ Cents | (雕刻) per _____________. | 10ea $ __________ |

| Excess Manhole Adjustment Vertical (with brick). Per Inch The unit price of | | |
| _______________________________ Dollars and ___________________________ Cents | (雕刻) per _____________. | 5 vertical inch $ __________ |

| Adjust Manhole Frames. (Adjustment Ring Only) The unit price of | | |
| _______________________________ Dollars and ___________________________ Cents | (雕刻) per _____________. | 5ea $ __________ |

**Computed Total** $ __________

**NOTE:** The Computed Totals are for convenience in initial comparison of bids and are not an official part of this Proposal. The Town reserves the right to eliminate any Item or portion of the work which it deems to be in its best interest.
Payment Terms

Time to Completion ____________________________ Working Days

Warranty ____________________________

Have you taken any exceptions or have you deviated from our printed specification and if so, are such suggested changes clearly noted on the page provided for exceptions to specifications?

___ yes       ___ no
EXCEPTIONS TAKEN TO SPECIFICATIONS:

______________________________________________________________________________
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# RECEIPT OF ADDENDA

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NAME OF BIDDER: __________________________________________________________

OFFICIAL ADDRESS: _______________________________________________________

PHONE NUMBER: _________________________________________________________

BY: ___________________________ TITLE: ___________________________
    (Please Print)

DATE: _________________________________________________________________

SIGNATURE: ____________________________________________________________


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REFERENCES
Please list a minimum of three references of similar work performed within the last three years.

FIRM ____________________________________________________________

Name

______________________________________________________________

Street

______________________________________________________________

City    State   Zip Code

CONTACT ____________________________________ TELEPHONE ______________________

Please Print

TYPE OF WORK TO BE PERFORMED ____________________________________________

______________________________________________________________________________

FIRM ____________________________________________________________

Name

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Street

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City    State   Zip Code

CONTACT ____________________________________ TELEPHONE ______________________

Please Print

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______________________________________________________________

Street

______________________________________________________________

City    State   Zip Code

CONTACT ____________________________________ TELEPHONE ______________________

Please Print

TYPE OF WORK TO BE PERFORMED ____________________________________________

______________________________________________________________________________

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