

State of Rhode Island

# Request for Proposals

*Design / Build Services  
for  
RFP #7448088 – RIC Design-Build for Asbestos  
Cement Water Main Replacement and Water  
Booster Pump Stations*

January 24, 2011



*Contractor:*  
**C. B. Utility Company, Inc.**  
99 Tupelo Street  
Bristol, RI 02809



*Engineer:*  
**James J. Geremia & Associates, Inc.**  
272 West Exchange Street, Suite 201  
Providence, RI 02903-1025

State of Rhode Island and Providence Plantations Contract Offer  
**RIVIP GENERATED BIDDER CERTIFICATION COVER FORM**

**SECTION 1 - VENDOR INFORMATION**

**Bid/RFP Number:** 7448088A1  
**Bid/RFP Title:** RFP - ARRA - CEMENT WATER MAIN REPLACEMENTS & WATER BOOSTER PUMP STATIK  
**Opening Date & Time:** 1/14/2011 11:00 AM  
**RIVIP Vendor ID #:** 14862  
**Vendor Name:** C.B. Utility Co., Inc.  
**Address:** 99 Tupelo Street  
Bristol, RI 02809  
USA  
**Telephone:** (401) 253-9277  
**Fax:** (401) 253-0450  
**E-Mail:** jbritojr@cb-utility.com  
**Contact Person:** Joseph M. Brito, Jr.  
**Title:** Vice President  
**R.I. Foreign Corp #:**

NOTE: AWARD OF CONTRACTS AND PURCHASE ORDERS SHALL BE SUBJECT, AT THE DISCRETION OF THE PURCHASING AGENT, TO THE OFFEROR COMPLETING AN ON-LINE RIVIP REGISTRATION at [www.purchasing.ri.gov](http://www.purchasing.ri.gov). It is THE RESPONSIBILITY OF THE VENDOR to make on-line corrections/updates using the Vendor maintenance program on the RI Division of Purchases Web Site.

**SECTION 2 - REQUIREMENTS**

**ALL OFFERS ARE SUBJECT TO THE REQUIREMENTS, PROVISIONS AND PROCEDURES CONTAINED IN THIS THREE-PAGE CERTIFICATION FORM. Offerors are expected to READ, SIGN and COMPLY with all requirements. Failure to do so may be grounds for disqualification of the offer contained herein.**

**Section 2.1 - RULES FOR SUBMITTING OFFERS**

2.1A. This CERTIFICATION FORM MUST BE ATTACHED IN ITS ENTIRETY TO THE FRONT OF THE OFFER and shall be considered an integral part of each offer made by a vendor to enter into a contract with the State of Rhode Island, Division of Purchases. As such, submittal of the entire Bidder Certification Cover Form, signed by a duly authorized representative of the offeror attesting that he/she (1) has read and agrees to comply with the requirements set forth herein and (2) to the accuracy of the information provided and the offer extended, is a mandatory part of any contract award.

To assure that offers are considered on time, each offer must be submitted with the specific Bid/RFP/LOI number (provided above), date and time of opening marked in the upper left hand corner of envelope. Each bid/offer must be submitted in separate sealed envelopes.

A complete, signed (in ink) offer package, must be delivered to the division of purchases (via any mail or messenger service) by the time and date specified for the opening of responses in a sealed envelope.

Bids must be submitted on the RI bid solicitation forms provided, indicating brand and part numbers of items offered, as appropriate. Bidders must submit detailed cuts and specs on items offered as equivalent to brands requested WITH THE OFFER. Bidders must be able to submit samples if requested.  
Mail To: Division of Purchases, One Capitol Hill, Second Floor, Providence, RI 02908-5855

Documents misdirected to other State locations or which are not present in the Division of Purchases at the time of opening for whatever cause will be deemed to be late and will not be considered. For the purposes of this requirement, the official time and date shall be that of the time clocks in either the mail sorting or reception areas of the Division of Purchases. Postmarks shall not be considered proof of timely submission.

2.1B. RIVIP SOLICITATIONS. To assure maximum access opportunities for users, public bid/RFP solicitations shall be posted on the RIVIP for a minimum of seven days and no amendments shall be made within the last five days before the date an offer is due. When copies of plans and specifications are too large to make available on-line and are issued with a requirement for a refundable deposit, vendors on the known lists of depositors will receive direct notification of amendments.

Except when access to the Web Site has been severely curtailed and it is determined by the Rhode Island State Purchasing Agent that special circumstances preclude extending a solicitation due date, requests to mail or fax hard copies of solicitations will not be honored. When the result of an Internet solicitation is unsuccessful, the State of Rhode Island will cancel the original solicitation and resolicit the original offer directly from vendors.

2.2. **PRICING.** Offers are irrevocable for sixty (60) days from the opening date (or such other extended period set forth in the solicitation), and may not be withdrawn, except with the express permission of the State Purchasing Agent. All pricing will be considered to be firm and fixed unless otherwise indicated. The State of Rhode Island is exempt from Federal excise taxes and State Sales and Use Taxes. Such taxes shall not be included in the bid price. **PRICES QUOTED ARE FOB DESTINATION.**

2.3. **DELIVERY and PRODUCT QUALITY.** All offers must define delivery dates for all items; if no delivery date is specified, it is assumed that immediate delivery from stock will be made. The contractor will be responsible for delivery of materials in first class condition. Rejected materials will be at vendor's expense.

2.4. **PREVAILING WAGE, OSHA and APPRENTICESHIP.**

2.4.1 **Prevailing Wage and OSHA Safety Training Requirements.** The provisions of the State labor laws and OSHA Safety Training, including but not limited to Rhode Island General Laws 37-13-1 et seq. and 28-20-1 et seq., shall apply for all public works contracts. Prevailing wage rates are posted in the information section of the RIVIP. The RI Department of Labor and Training should be contacted for regulatory requirements.

2.4.2 (a) **Apprenticeship.** Rhode Island General Laws 37-13-3.1 requires all general contractors and subcontractors who perform work on any public works contract awarded by the state valued at one million dollars (\$1,000,000) or more shall employ apprentices required for the performance of the awarded contract. The number of apprentices shall comply with the apprentice to journeyman ratio for each trade approved by the apprenticeship council of the department of labor and training.

2.4.2(b) In addition to executing this certification, the general contractor shall be responsible for requiring that all subcontractors on the awarded project certify their compliance with R.I. Gen. Laws 37-13-3.1 prior to allowing the subcontractor to commence work on the awarded project. The general contractor shall be responsible for submitting the subcontractors compliance certification to the Division of Purchases after the contracts are finalized between the contractor and subcontractor.

2.5. **PUBLIC RECORDS.** Offerors are advised that all materials submitted to the State for consideration in response to this solicitation will be considered without exception to be Public Records pursuant to Title 38 Chapter 2 of the Rhode Island General Laws, and will be released for inspection immediately upon request once an award has been made. Offerors are encouraged to attend public bid/RFP openings to obtain information; however, bid/RFP response summaries may be reviewed after award(s) have been made by using the RIVIP at any time or appearing in person at the Division of Purchases Mondays through Fridays between 8:30 a.m. and 3:30 p.m. Telephone requests for results will not be honored. Written requests for results will only be honored if the information is not available on the RIVIP.

### **SECTION 3. AWARD DETERMINATION.**

Award will be made to the responsive and responsible offeror quoting the lowest net price in accordance with specifications, for any individual item(s), for major groupings of items, or for all items listed, at the State's sole option.

3.1. **BID SURETY.** Where bid surety is required, bidder must furnish a bid bond or certified check for 5% of the bid total with the bid, or for such other amount as may be specified. Bids submitted without a required bid surety will not be considered.

3.2. **SPECIFICATIONS.** Unless specified "no substitute," product offerings equivalent in quality and performance will be considered (at the sole option of the State) on the condition that the offer is accompanied by detailed product specifications. Offers which fail to include alternate specifications may be deemed nonresponsive.

### **SECTION 4 – CONTRACT PROVISIONS.**

4.1. **VENDOR AUTHORIZATION TO PROCEED.**

4.1A. When a purchase order, change order, contract/agreement or contract/agreement amendment is issued by the RI Division of Purchases, no claim for payment for services rendered or goods delivered contrary to or in excess of the contract terms and scope shall be considered valid unless the vendor has obtained a written change order or contract amendment issued by the Division of Purchases **PRIOR TO** delivery.

4.1B. Any offer, whether in response to a solicitation for proposals or bids, or made without a solicitation, which is accepted in the form of an order OR Pricing Agreement made in writing by the Purchasing Agent, or a state official with purchasing authority delegated by the Purchasing Agent, shall be considered a binding contract.

4.2. **REGULATIONS, GENERAL TERMS AND CONDITIONS GOVERNING STATE CONTRACTS.** This solicitation and any contract or purchase order arising from it are issued in accordance with the specific requirements described herein, and the State's Purchasing Laws and Regulations and other applicable State Laws. The Regulations, General Terms and Conditions are incorporated into all state contracts. These regulations and basic information on How To Do Business with the State of Rhode Island are posted on the Rhode Island Vendor Information Program Website ([www.purchasing.ri.gov](http://www.purchasing.ri.gov)).

4.2A **ARRA SUPPLEMENTAL TERMS AND CONDITIONS.** For contracts and sub-awards funded in whole or in part by the American Recovery and Reinvestment Act of 2009. Pub.L.No. 111-5 and any amendments thereto, such contracts and sub-awards shall be subject to the Supplemental Terms and Conditions For Contracts and Sub-awards Funded in Whole or in Part by the American Recovery and Reinvestment Act of 2009. Pub.L.No. 111-5 and any amendments thereto located on the Division of Purchases website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).

4.3. **EQUAL EMPLOYMENT OPPORTUNITY.** Compliance certificate and agreement procedures will apply to all awards for supplies or services valued at \$10,000 and more. Minority Business Enterprise policies and procedures, including subcontracting opportunities as described in Title 37 Chapter 14.1, of the Rhode Island General Laws, also apply.

4.4. **PERFORMANCE BONDS.** Where indicated, successful bidder must furnish a 100% performance bond and labor and payment bond for contracts subject to Title 37 Chapters 12 and 13 of the Rhode Island General Laws. All bonds must be furnished by a surety company authorized to conduct business in the State of Rhode Island. Performance bonds must be submitted within 21 calendar days of the issuance of a tentative notice of award.

4.5. **DEFAULT.** After an award has been made, failure to meet all requirements of the solicitation for an offer may result in a determination of default.

4.6. **COMPLIANCE.** Vendor must comply with all applicable federal, state and local laws, regulations and ordinances.

4.7. **SPRINKLER IMPAIRMENT AND HOT WORK.** The Contractor agrees to comply with the practices of the State's insurance carrier for sprinkler impairment and hot work. Prior to performing any work, the Contractor shall obtain the necessary information for compliance from the Risk Management Office at the Department of Administration or the agency for which work will be performed.

Revised: 3/12/2010

RIVIP Certification Form Page 2 of 3

**SECTION 5 – CERTIFICATIONS AND DISCLOSURES**  
**ALL CONTRACT AWARDS ARE SUBJECT TO THE FOLLOWING DISCLOSURES & CERTIFICATIONS**  
**Offerors must respond to every disclosure statement.**

**A person authorized to enter into contracts must sign the offer and attest to the accuracy of all statements.**

Indicate Yes(Y) or No (N):

- N 1. Has your firm (or any principal) been subject to any of the following findings by the Federal Government, the State of Rhode Island or any other jurisdiction? Suspension, Debarment, Indictment, Criminal Conviction. CIRCLE APPROPRIATE ITEM(S).
- N 2. Has your firm (or any principal) been fined more than \$5000 for a single violation by the Rhode Island Department of Environmental Management for violation of Rhode Island Wetlands law?
- Y 3. I/we certify that I/we will immediately disclose, in writing, to the Chief Purchasing Officer any potential conflict of interest, which may occur during the course of the engagement authorized pursuant to this contract.
- Y 4. I/we acknowledge that, in accordance with Chapter 37-2-54(3) of the Rhode Island General Laws "no purchase or contract shall be binding on the state or any agency thereof unless approved by the Department [of Administration] or made under general regulations which the Chief Purchasing Officer may prescribe," including change orders and other types of contracts and under State Purchasing Regulation 8.2.1.1.2, "any alleged oral agreement or arrangements made by a bidder or contractor with any agency or an employee of the Office of Purchases may be disregarded and shall not be binding on the state."
- Y 5. I/we certify that the above vendor information is correct and complete.
- Y 6. I/we certify that I or my firm possesses all licenses required by Federal and State law and regulation as they pertain to the requirements of the solicitation and offer made herein and shall maintain such required license(s) during the entire course of the contract resulting from the offer contained herein and, should my/our license lapse or be suspended, I/we shall immediately inform the Rhode Island State Purchasing Agent in writing of such circumstance.
- Y 7. I/we certify that I/we will maintain required insurance during the entire course of the contract resulting from the offer contained herein and, should my/our insurance lapse or be suspended, I/we shall immediately inform the Rhode Island State Purchasing Agent in writing of such circumstance.
- Y 8. I/we certify that I/we understand that falsification of any information herein or failure to notify the Rhode Island State Purchasing Agent as certified herein may be grounds for suspension, debarment and/or prosecution for fraud.
- Y 9. I/we acknowledge that the provisions and procedures set forth in this three-page form apply to any contract arising from this offer.
- Y 10. I/we acknowledge that I/we understand the State's Purchasing Laws (37-2 of the General Laws of Rhode Island) and Purchasing Regulations and General Terms and Conditions available at the Rhode Island Division of Purchases Website ([www.purchasing.ri.gov](http://www.purchasing.ri.gov)) apply as the governing conditions for any contract or purchase order I may receive from the State of Rhode Island, including the offer contained herein.
- Y 11. I/we certify that I/we have registered to utilize the e-verify program ([www.dhs.gov/E-Verify](http://www.dhs.gov/E-Verify)) to ensure compliance with federal and state law. I understand and agree that I am required to continue to utilize the services of the E-Verify program for as long as I continue to do business with the State of Rhode Island. I further understand that my failure to continue to utilize the services of the E-Verify program will adversely affect my ability to continue to do business with the State of Rhode Island and my ability to do business with the State of Rhode Island in the future.

**IF YOU HAVE ANSWERED "YES" TO QUESTIONS #1 – 2 OR IF YOU ARE UNABLE TO CERTIFY YES TO ITEMS #3 – 11 OF THE FOREGOING, PROVIDE DETAILS/EXPLANATION BELOW AND/OR IN AN ATTACHED STATEMENT. INCOMPLETE CERTIFICATION FORMS SHALL BE GROUNDS FOR DISQUALIFICATION OF OFFER.**

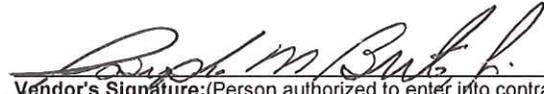
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Signature below commits vendor to the attached offer and certifies (1) that the offer has taken into account all solicitation amendments, (2) that the above statements and information are accurate, and that vendor understands and has complied with the requirements set forth herein. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

  
Vendor's Signature: (Person authorized to enter into contracts; signature must be in ink.)  
Joseph M. Brito, Jr., Vice President  
Print Name and Title of company official signing offer

Date: 1/24/2011

**Bid Bond  
SURETY DEPARTMENT**



**THE HARTFORD**

**BOND NO. 02BCSFX7525**

KNOW ALL MEN BY THESE PRESENTS,

That we, C.B. Utility Co., Inc.  
99 Tupelo St., Bristol, RI 02809

as Principal,  
hereinafter called the Principal, and the Hartford Fire Insurance Company, a corporation created and existing under the laws of the State of Connecticut whose principal office is in Hartford, CT, as Surety, hereinafter called the Surety, are held and firmly bound unto State of Rhode Island

in the sum of 5% of the attached bid

as Oblige, hereinafter called the Oblige,

Dollars (\$ 5% ),  
for the payment of which sum, well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**Whereas**, the Principal has submitted a bid for  
Cement Water Main Replacements & Water Booster Pump Stations at RIC

NOW, THEREFORE, if the Oblige shall accept the bid of the Principal and the Principal shall enter into a contract with the Oblige in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or contract documents with good and sufficient surety for the faithful performance of such contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such contract and give such bond or bonds, if the Principal shall pay to the Oblige the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Oblige may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 24th day of January A.D. 2011

Witness (If Individual)

C.B. Utility Co., Inc. (Principal) (SEAL)

Attest (If Corporation)

*James E. O'Brien*

By Joseph Brito Jr. (Title) (SEAL)  
*Joseph M. Brito Jr.* VP. (SEAL)  
Hartford Fire Insurance Company (SEAL)

Attest

*Patricia Malafonte*

By Donna Rodrigues, Attorney-in-Fact (Title) (SEAL)  
*Donna Rodrigues*

Direct Inquiries/Claims to:

**THE HARTFORD**

Bond T-4

One Hartford Plaza

Hartford, Connecticut 06155

call: 888-266-3488 or fax: 860-757-5835)

# POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 02 090178

- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of UNLIMITED** ;  
 DONNA RODRIGUES, MARK W. MATRONE, PAUL LAFLEUR, PAMELA PELLETIER OF BRISTOL, RHODE ISLAND

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on January 22, 2004, the Companies have caused these presents to be signed by its Assistant Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



*Scott Sadowsky*

Scott Sadowsky, Assistant Secretary

*M. Ross Fisher*

M. Ross Fisher, Assistant Vice President

STATE OF CONNECTICUT }  
 COUNTY OF HARTFORD } ss. Hartford

On this 3<sup>rd</sup> day of March, 2008, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

*Scott E. Paseka*

Scott E. Paseka  
Notary Public  
My Commission Expires October 31, 2012

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of January 20, 2011  
 Signed and sealed at the City of Hartford.



*Gary W. Stumper*

Gary W. Stumper, Assistant Vice President



**Rhode Island College**  
**Asbestos Cement Water Main Replacement**

**RFP #7448088**

**Clarification on Pump Station Requirements  
 & Revised Fee Form  
 January 19, 2011**

**Fee Form**

Lump Sum Fee – Segment 1	\$ 575,000.- FIVE HUNDRED SEVENTY THOUSAND DOLLARS
Contingency Segment 1 - (10%)	\$ 57,500.- FIFTY-SEVEN THOUSAND FIVE HUNDRED DOLLARS
Lump Sum Fee – Segment 2	\$ 600,000.- SIX HUNDRED THOUSAND DOLLARS
Contingency Segment 2 - (10%)	\$ 60,000.- SIXTY THOUSAND DOLLARS
Lump Sum Fee – Segment 3	\$ 450,000.- FOUR HUNDRED FIFTY THOUSAND DOLLARS
Contingency Segment 3 - (10%)	\$ 45,000.- FORTY-FIVE THOUSAND DOLLARS
Lump Sum Fee – Segment 4	\$ 470,000.- FOUR HUNDRED SEVENTY THOUSAND DOLLARS
Contingency Segment 4 - (10%)	\$ 47,000.- FORTY-SEVEN THOUSAND DOLLARS
Lump Sum Fee – Segment 5	\$ 360,000.- THREE HUNDRED SIXTY THOUSAND DOLLARS
Contingency Segment 5 - (10%)	\$ 36,000.- THIRTY-SIX THOUSAND DOLLARS
Lump Sum Fee – Two Pump Stations and Emergency Generator – Base bid	\$ 1,064,500.- ONE MILLION SIXTY-FOUR THOUSAND FIVE HUNDRED DOLLARS
Contingency Pump Stations and Emergency Generator – Base bid -(10%)	\$ 106,450.- ONE HUNDRED SIX THOUSAND FOUR HUNDRED FIFTY DOLLARS
Lump Sum Fee – Two Pump Stations and Emergency Generator – Add Alternate 1	\$ 249,000.- TWO HUNDRED FORTY-NINE THOUSAND DOLLARS
Contingency Pump Stations and Emergency Generator – Add Alternate 1 -(10%)	\$ 24,900.- TWENTY-FOUR THOUSAND NINE HUNDRED DOLLARS
Rock Removal (ledge)	\$ 250.- per cubic yard TWO HUNDRED FIFTY DOLLARS
Rock Removal (boulders)	\$ 50.- per cubic yard FIFTY DOLLARS

**Rhode Island College  
Asbestos Cement Water Main Replacement**

**RFP #7448088**

**Clarification on Pump Station Requirements  
& Revised Fee Form**

**January 19, 2011**

Processed Gravel	\$ 25.- per cubic yard	TWENTY-FIVE DOLLARS
Remove and dispose of AC water main – 8-inch diameter	\$ 9.- per linear foot	NINE DOLLARS
Remove and dispose of AC water main – 10-inch dia.	\$ 19.- per linear foot	NINETEEN DOLLARS
Remove and dispose of AC water main – 12-inch diameter	\$ 16.- per linear foot	SIXTEEN DOLLARS
Temporary water main – 6-inch diameter	\$ 50.- per linear foot	FIFTY DOLLARS
Temporary water main – 8-inch diameter	\$ 41.- per linear foot	FORTY-ONE DOLLARS
Temporary water main – 10-inch diameter	\$ 43.- per linear foot	FORTY-THREE DOLLARS
Temporary water main – 12-inch diameter	\$ 43.- per linear foot	FORTY-THREE DOLLARS
Test Pits	\$1,500.- each	FIFTEEN HUNDRED DOLLARS

*Note: Fees should be provided in numbers (i.e. \$100.00) and writing (i.e. one hundred dollars and zero cents).*

**Listing of Proposed Subcontractors**

Company	Type of Work To Be Completed (i.e. role on project)	Approximate % of Total Fee
UNDETERMINED	AT THIS TIME	



# C. B. UTILITY CO., INC.

99 Tupelo Street  
Bristol, Rhode Island 02809  
TEL. (401) 253-9277 FAX (401) 253-0450

*General Contractors*

DIVISIONS:  
PIPELINE TRANSMISSION & DISTRIBUTION  
SEWER • WATER • SITEWORK  
EQUIPMENT RENTALS

January 24, 2011

RI Department of Administration  
Division of Purchasing, 2<sup>nd</sup> floor  
One Capitol Hill  
Providence, RI 02908-5855

Re: RFP #7448088 – RIC Design-Build for Asbestos Cement Water Main Replacement and Water Booster Pump Stations

Thank you for the opportunity to furnish our Design / Build Services Proposal for the *RFP #7448088 – RIC Design-Build for Asbestos Cement Water Main Replacement and Water Booster Pump Stations*. Our Design / Build team is comprised of C.B. Utility Co. (CBU) and James J. Geremia & Associates, Inc. (JGA). CBU will act as the prime contractor for this project responsible for all its construction related aspects. JGA will provide engineering support responsible for design, permitting and construction administration services under a subcontractor role to CBU.

Our team is excited at the opportunity of applying our extensive knowledge and experience to install the new water main, booster pump stations and emergency generator, and looks forward to working with the State of Rhode Island (State) and other stakeholders to design and construct a project that is sensitive to the campus environment. In accordance with the State's RFP, we have enclosed our team's cost proposal, scope of work, background, experience, subcontractors and construction capacity.

We trust you will find this information meets your needs at this time. If you have any questions or require further information, or wish to discuss the project in detail, please do not hesitate to call the undersigned. Again, thank you for this opportunity to furnish our D/B Services Proposal for the *RFP #7448088 – RIC Design-Build Asbestos Cement Water Main Replacement and Water Booster Pump Stations* project.

Very truly yours,

C. B. UTILITY COMPANY, INC.



Joseph M. Brito, Jr.  
Vice President

Encs.

## SCOPE OF WORK

### Preliminary Engineering Design Services

James J. Geremia & Associates, Inc. (JGA) will perform the following tasks as part of the Preliminary Engineering Design:

- JGA will utilize the existing mapping that is provided by RIC in AutoCAD format, which includes all utilities.
- Based on preliminary investigations, it is anticipated that the new water mains will parallel the existing route except for the existing water main that crosses the existing athletic fields. JGA will evaluate if there are other alternate routes available that will maintain the system hydraulics.
- The design of the two water booster pump stations will include water booster stations that are manufactured by Engineered Fluid, Inc. (EFI).
- JGA will review existing campus plans and will conduct a detailed on-site review of the water main routes.
- Hydraulic Modeling: A skeletonized hydraulic model of the RIC water system will be prepared. Demand data will be provided by RIC. It is also assumed that the existing hydraulic model will be made available.
- JGA will review and evaluate RIC's fire flow requirements. JGA will meet with the State Fire Marshal's office, Providence Fire Department, North Providence Fire Department and FM Global. The fire flow demand will become the basis of the pump sizing for the booster station.
- JGA has performed a preliminary design for the diesel emergency generator for the Mt. Pleasant and College Rd. water booster stations. The generator will be sized to provide electrical supply for maximum day plus fire flow demand.
- JGA has performed a preliminary design for the electrical service for both stations.
- JGA has performed a preliminary design for automatic operation and SCADA control and monitoring for both booster stations. Both stations will be remotely controlled from the Physical Plant Building. The system will monitor and trend station inlet and outlet pressure, flow rate for each pumps, on/off status of each pump, and emergency generator status. The system will provide the ability to switch from manual to automatic mode and vice versa and turn individual pumps on/off.
- JGA will develop preliminary plans and specifications. Typical sheet size will be 24" x 36". The preliminary plans of the water main alignments will be to a scale of one-inch is equal to

forty-feet (1" = 40'). The plans will include a title sheet, locus plan, index and general notes and details. The preliminary plans of the booster stations will be at an appropriate scale.

- JGA will attend semi-weekly progress meetings during the preliminary design phase.
- Three (3) copies of the draft design plans and specifications will be submitted for review and comment within forty-five (45) days of contract award.

### Final Design

- The final design will incorporate RIC comments.
- Five (5) copies of the final plans and specifications will be submitted, including electronic copies (AutoCAD and .pdf). The final design plans will be stamped by a Professional Engineer licensed in the State of Rhode Island.
- JGA will attend semi-weekly progress meetings during the final design phase.

### EFI WATER BOOSTER STATIONS

- See attached Gustavo Preston Company scope of work.

### ELECTRICAL

- Emergency Generator (Mt. Pleasant Water Booster Station):
  - A new 125KW diesel-driven engine generator set, based on one (1) 75 HP fire pump and two (2) domestic pumps (each rated at 7.5 HP), and 200 amp NEMA 1 automatic transfer switch (ATS) manufactured by Kohler, Generac, or MiltonCAT will be provided. The generator set will include a weatherproof sound attenuated skin-tight enclosure, a critical grade muffler system, 150 gallon double-wall sub-base tank (approx. 24 hours of fuel at 100% load), 200 amp circuit breaker, control panel, stator heater, battery heater, and water jacket heater.
- Electric (Mt. Pleasant Water Booster Station):
  - A new 480/277V, 3-phase, 4-wire, 200 amp service with a utility meter electrical service will be installed. The service will be via a new utility pole with pole mounted transformers located on the RIC property. The utility company will be required to provide a new utility pole, transformers and extend their medium voltage overhead line located from across Mt. Pleasant Street to the new pole. The utility company will not provide fixed pricing for their chargers to install new service until the awarding contractor files a service request. A \$10,000 utility service charge is included in the bid price. Should the actual charges exceed or be less than the amount indicated, the contract price will be adjusted as needed.

- A new 60 x 60 x 24" pad mounted NEMA 3R electrical enclosure will be installed near the pump station. The enclosure will house the following items:
  - 200A transfer switch
  - 200A main circuit breaker
  - Utility meter socket
  - TVSS
  - 2-pole, 20 circuit breaker
  - 5 KVA transformer
  - 60A, 120/24V panelboard

An underground ductbank with two (2) 2" PVC conduits will be installed from the new utility pole to the new electrical enclosure. One conduit will be a spare and the new 200 amp electrical service will be provided in the other conduit which will feed into the 200 amp main circuit breaker via the meter socket and then into the normal side of the transfer switch. The 2-pole breaker will be connected to the load side of the breaker which will provide power to the 60 amp panelboard via the transformer. The panelboard will provide branch circuit power for the generator auxiliary systems.

- An underground ductbank with three (3) 2" PVC conduits will be installed from the new generator to the new electrical enclosure. One conduit will contain the 200 amp generator supply and will be connected to the emergency side of the ATS. One conduit will contain control wiring to connect into the ATS and the remaining conduit shall contain the branch power wiring for the generator auxiliary systems.
- An underground ductbank with two (2) 2" PVC conduits will be installed from the pump station to the new electrical enclosure. One conduit will contain the 200 amp feeder into the pump station and will be connected to the load side of the ATS. The remaining conduit will contain control wiring for connection into the ATS and a SCADA control panel located in the Mt. Pleasant Water Booster Station.
- A radio antenna will be installed on top of an existing light pole. An underground ductbank with one (1) 2" PVC conduit will be installed from the light pole to the pump station SCADA panel and will contain a coaxial antenna cable.

- Electric (Water Booster Station near Athletic Field):

- A new 480/277V, 3-phase, 4-wire, 200 amp electrical service will be installed. The service will be via a new utility pole with pole-mounted transformers located on the RIC property.

- A new 36 x 26 x 18" pad-mounted NEMA 3R electrical enclosure will be installed and located near the pump station. The enclosure will house the following items.
  - 200A main circuit breaker
  - TVSS

An underground ductbank with two (2) 2" PVC conduits will be installed from the new utility pole to the new electrical enclosure. One conduit will be a spare and the new 200 amp electrical service will be provided in the other conduit which will feed into the 200 amp main circuit breaker via the meter socket.

- An underground ductbank with one (1) 2" PVC conduit will be installed from the pump station to the new electrical enclosure. The conduit will contain the 200 amp feeder into the pump station and will be connected to the load side of the main circuit breaker.
- An underground ductbank with one (1) 2" PVC conduit will be installed from the new utility pole to the pump station that will contain the telephone service.
- A radio antenna shall be installed on top of the new utility pole. An underground ductbank with one (1) 2" PVC conduit will be installed from the new utility pole to the pump station SCADA panel and will contain a coaxial antenna cable.
- Electric (Physical Plant Building)
  - A radio antenna shall be installed on top of the campus plant building. A 2" conduit will be installed from the antenna to the SCADA system panel located in the plant building. The conduit will contain a coaxial antenna cable.
  - Two (2) 120VAC branch circuit feeders will be installed from an existing panelboard to the SCADA system panel and the SCADA system computer/monitor station.

## BOOSTER PUMP CONTROLS

The booster pump controls will include a Remote Telemetry Unit (RTU) at each water booster station and a Master Telemetry Unit (MTU) at the Physical Plant Building.

- Two (2) Remote Telemetry Enclosures, complete with:
  - Spread Spectrum Radio with surge protection, antenna cable, connectors, and Yagi antenna.
  - 600va UPS backup.
- Master Telemetry Unit Enclosure, complete with:

- Allen Bradley Model 1100 PLC with ten (10) digital inputs and six (6) relay outputs.
- Spread Spectrum Radio with surge protection, antenna cable, connectors, and Omni antenna.
- 600va UPS backup.
- SCADA Workstation, complete with:
  - Desktop computer, complete with 19" monitor, 320GB hard drive, 4MB ram, Windows 7, MS Office (including Outlook, Word and Excel), UPS backup, Intellution IFix 75 Point SCADA Package with I/O Driver, Ethernet switch and cables.

### Construction Services

James J. Geremia & Associates, Inc. (JGA) will perform the following tasks as part of the Construction Services:

- Shop Drawings: Five (5) sets of shop drawings will be submitted by the Contractor for the College's review and approval. JGA will also review the shop drawings. The Contractor will only order materials when they are accepted by the College.
- Meetings: JGA will attend weekly progress meetings during the construction phase.
- Prior to submittal of Operations & Maintenance Manuals (O&M) to the College, JGA will review them. Three (3) copies of the approved O&M Manuals for the Water Booster Stations will be submitted to the College. The O&M Manuals will be bound in 3-ring binders and will be divided into sections with a Table of Contents. O&M Manuals will include the following: equipment cut sheets, manufacturer's maintenance information on all components of the system, shop drawings, system operational instructions, spare parts list, and any other information pertinent to the operations and maintenance of the Water Booster Stations.
- Record Drawings:
  - JGA will procure the construction Contractor's marked prints showing revisions during construction.
  - JGA will prepare record drawings by revising the original AutoCAD design to show the field measurements obtained during construction and all major changes in the work.
  - Contractor will provide GPS coordinates for all bends, valves, hydrants and ties every 100-feet along the water main.

- Three (3) sets of as-built drawings and a CD (with both AutoCAD and .pdf electronic files) will be submitted to the College.
- Start-Up and Training Operations: JGA will assist the College during start-up and training operations.





23 Industrial Ave.  
Chelmsford, MA 01824  
(508) 634-8677  
Fax: (508) 634-8630

**Gustavo Preston Company**  
*Engineered Fluid Handling*  
Since 1881



**Engineered Fluid, Inc. Pump Stations**

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To: **JAMES J. GEREMIA & ASSOCIATES, INC.**

Project Name: **Rhode Island State College**  
RFP #: 7448088  
Product: **EFI Below Grade Pump Stations with Vault**

From: David Downey  
Quote #10EFI77231

Date: January 21, 2011

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We will provide a proposal for the Mount Pleasant Station and an alternate for the Mount Pleasant Pump Station based on the new Addendum #6 for the Rhode Island College regarding the Fire Flow and Domestic Flow below ground pump station; however, EFI (Engineered Fluid Inc) will have to decline to No-Bid this scope of supply unless waivers are in place to acknowledge violations in UL/FM(NFPA 20) code compliances.

Unfortunately, this new Addendum #6 requiring one dedicated UL/FM (NFPA) fire pump for the below-grade pump is beyond what the requirements are for this project, and if installed per Addendum #6 will be in direct violation UL/FM (NFPA20):

**Comments and Clarifications:**

1. Where this pump station is upstream of the meter and outside the building, UL/FM & NFPA 20 does not apply. This pump system supplying both High/Fire Flow and Domestic Flow Water is and should be considered as a Municipal Pump Station.
  - a. EFI, the Third Party Certified, Engineer Pump System Packager offers both High/Fire & Domestic Flow Water Pumps, however, they do not offer UL/FM(NFPA 20) Fire Pump Packages.
2. Advantages of EFI Pump Stations:
  - a. We split the High/Fire Flow requirement into to 50% pumps. They are split so that if ever one pump were to be offline there would at least be 50% available to fight a fire with the second high/fire flow pump. You also have the capable of staging on the domestic flow pumps to add more flow to a high/fire flow conditions, which give redundancy towards the total high/fire flow requirement.
  - b. Complete system integrator with controls that monitor all pumps, alarms, and full operation of the station without hydraulically reeking havoc on the distribution piping and/or plumbing fixtures/valves.

- c. Municipal Code ONLY allows you to discharge into one common main with both High/Fire Flow and Domestic Flow requirements.
  - d. Having one manufacturer responsible for the entire package for all pumping and controls equipment.
3. Violations of Code Per UL/FM(NFPA 20)
- a. This code does not allow you to discharge into the same common main with both fire flow and domestic flow water.
  - b. This code also does not allow you to interface, interlock, or communicate with controls from other equipment.

**OPTION #1 – BASE BID:**

Design for 2 below Ground BPS with two 220 GPM pumps and two 1500 GPM pumps in each for both for Mount Pleasant and Oakton.

- **NET PRICE for Mount Pleasant Below Grade Pump Station:**
- **NET PRICE for Oakton Below Grade Pump Station:**
- **NOTE #1: These pump stations do NOT include UL/FM pumps.**
- **NOTE #2: Additional cost for EFI PLC equipment if required per station.**
- **NOTE #3: Our pricing DOES NOT include the Emergency Generator or the Automatic Transfer Switch.**
- **NOTE#4: This base bid meets all local and state code requirements.**
- **NOTE #5: DELVIERY, START-UP and TRAINING ARE INCLUDED.**

**OPTION #2 – ALTERNATE BID:**

The design for 3 domestic pumps and 1 UL/FM Fire pump for the Mount Pleasant Pump Station.

- **NOTE #1: The pump station will include one UL/FM fire pump, however, does not meet code.**
- **NOTE #2: Additional cost for EFI PLC equipment if required per station.**
- **NOTE #3: Our pricing DOES NOT include the Emergency Generator or the Automatic Transfer Switch.**
- **NOTE #4: DELVIERY, START-UP and TRAINING ARE INCLUDED.**
- **WAIVER #1: A wavier must be signed to exclude EFI from code violation for not having two separate discharges. Code requires that you may use a common suction, but cannot have a common discharge.**
- **WAIVER #2: A waiver must be signed to exclude EFI from code violation for interlocking/communicating between both fire pump controls and domestic pump controls. Code states that you CANNOT interlock or communicate between these two systems. In an application such as this you will want this line of communication.**

With several years of experience with designing Fire Pump and Municipal Pumping systems, these applications for Rhode Island College meets all qualifications and code requirements for a Municipal Pumping System. Installing this type of system will ensure the longevity of the system by controlling the hydraulic flow out to the system most effectively and efficiently with built in redundancy for the High/Fire Flow and Domestic Flow requirements. Trying to enforce UL/FM/NFPA 20 with this type of application will do more harm than good.

If you have any questions or require additional information, please call.

Regards,  
David Downey  
VP Sales / Sr. Mechanical Design Engineer  
(508) 634-8677  
Fax (508) 634-8630  
Cell (978) 857-9797  
Email: [daviddowney@gustavopreston.com](mailto:daviddowney@gustavopreston.com)  
Visit us at [www.GustavoPreston.com](http://www.GustavoPreston.com)





C. B. Utility Co. Inc.  
99 Tupelo Street  
Bristol, RI 02809

# Scope of Work

RFP #7448088 - RIC Design-Build for Asbestos Cement Water  
Main Replacement and Water Booster Pump Stations  
State of Rhode Island

## CONSTRUCTION SERVICES

### CBU Scope of Work

1. Furnish all labor, equipment and materials for the five water main segments (8", 10" and 12" ductile iron pipe), including fire hydrants, gate valves, air valve, access manhole, curb stops, corporations, pump stations and emergency generator. Work includes installation of erosion controls; removal & disposal of existing in conflict asbestos cement pipe; excavation & backfill; compaction testing; ledge and boulder removal; hydrostatic water main testing; disinfection of water main; installation of temporary water mains as need bases; temporary pavement; final pavement restoration; curb restoration; landscape restoration; and as-builts.
2. Pipe Segment 1 (College Rd. from Mt. Pleasant Ave. to Roberts Hall) - Approximately install 2,050 ft of 12" water main; three (3) mainline valves; assume 100% removal of asbestos cement pipe; assume 100% temporary water main installation.
3. Pipe Segment 2 (PWSB Oakton St. Meter to southeast corner of Whipple Hall and Library Rd. from Track to northwest corner of Gaige Hall) - Approximately install 800 ft of 12" water main and 1,540 ft of 10" water main; six (6) mainline valves; four (4) hydrants with valves; building connections at Whipple Hall, Clarke Science (2), Fogarty Life Science (2), Adams Library (2), Gaige Hall (2); assume 75% removal of asbestos cement pipe; assume 75% temporary water main installation.
4. Pipe Segment 3 (College Rd. from Henry Barnard School to Sweet Hall and from College Rd. to Willard Hall) - Approximately install 1,270 ft of 10" water main and 660 ft of 8" water main; four (4) mainline valves; three (3) hydrants with valves; building connections - Henry Barnard School (1), Horace Mann (2), Thorp Hall, Sweet Hall, Brown Hall, Weber Hall, Willard Hall; assume 25% removal of asbestos cement pipe; assume 25% temporary water main installation.
5. Pipe Segment 4 (Loop around Art Center, Nazarian Center and Roberts Hall) - Approximately install 2,250 ft of 10" water main; eight (8) mainline valves; four (4) hydrants with valves; building connections - Henry Barnard School (1), Whipple Hall (1), Nazarian Center (2), Roberts Hall (2), Art Center (1), Alger Hall (2); assume 25% removal asbestos cement pipe; assume 25% temporary water main installation.
6. Pipe Segment 5 (Murray Center to Alger Hall through Mall) - Approximately install 1,250 ft of 10" water main; three (3) mainline valves; two (2) hydrants with valves; building connections - Murray Center (2), Student Union (2), Donovan Dining (2), Craig Lee (2); assume 10%, only where absolutely necessary for removal of asbestos cement pipe; assume 10% temporary water main installation.
7. Two (2) Pump Stations and Emergency Generator - Installation, startup and testing of the two (2) pump stations and emergency generator.
8. All pipe work is to be performed by laborers.
9. A preconstruction video shall be made of the contracted pipe route and a copy will be given to RIC prior to the start of construction.
10. The new water main shall be installed with a minimum cover of 4'-6" in a Type 5 Trench.



C. B. Utility Co. Inc.  
99 Tupelo Street  
Bristol, RI 02809

# Scope of Work

RFP #7448088 - RIC Design-Build for Asbestos Cement Water  
Main Replacement and Water Booster Pump Stations  
State of Rhode Island

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## CONSTRUCTION SERVICES

### CBU Scope of Work

11. The handling, storing and removal of the asbestos cement pipe shall be in accordance with the approved Abatement Plan (developed by RI Analytical Laboratories, Inc.) and shall adhere to the Rhode Island Department of Health Rules & Regulations for Asbestos Control with regard to the handling, storage and transport of asbestos cement pipe water line to be disposed.
12. Air monitoring shall be executed to ensure that the levels of airborne asbestos fibers do not exceed regulated OSHA limits.
13. Test pits shall be installed to verify the location of existing water mains and other utilities. Test pit dimensions shall be 10 ft (L) x 6 ft (W) x 5 ft (D).
14. Test borings shall be taken along water main routes to determine subsurface conditions.
15. Tree removal shall be avoided at all means. Tree(s) that need to be removed shall be approved in writing by RIC.
16. Compaction testing shall be completed on all backfilled trenches. Testing shall be completed for every 200 linear feet of installed water main along with one (1) test per two (2) vertical feet (95% Standard Proctor).
17. 10% participation of MBE's
18. Safety Plan
19. Traffic Control Plan; traffic details; Two (2) flaggers shall be used while installing water main segments 1 & 3. One (1) flagger shall be used while installing water main segments 2, 4 & 5.
20. Dig Safe shall be responsible for marking out utilities in public areas only and RIC (or their contractor) shall be responsible for the remaining utility areas that are not covered by Dig Safe.
21. All RIC facilities have the following services: 6" fire service and 4" domestic service except for the Fogarty Life Science building which has an 8" fire service and a 6" domestic service. All RIC facility service connections shall be made at the edge of the water main trench only.
22. RIC will be immediately notified of any short-term shutdowns of water supply to campus facilities and whenever possible shall be conducted in the off-hours.
23. All disturbed pavement areas will be restored.\* Temporary trench patches shall be two (2) inches in thickness. Permanent full-depth trench patches shall be four (4) inches in thickness.
24. Three (3) copies of O&M Manual for the water booster pump stations shall be supplied to RIC.
25. All construction materials installed furnished tax exempt.
26. Prevailing wage rates apply (Rhode Island Department of Labor and Training and the Davis Bacon Wage Rate Schedules); certified payrolls to be furnished.
27. Insurance included.
28. Payment, Labor and Performance Bonds.
29. 2,500 LF of asbestos cement pipe to be removed per RFP.
30. One (1) air valve and one (1) access manhole shall be installed at highest elevation point within the water main.



C. B. Utility Co. Inc.  
99 Tupelo Street  
Bristol, RI 02809

# Scope of Work

RFP #7448088 - RIC Design-Build for Asbestos Cement Water  
Main Replacement and Water Booster Pump Stations  
State of Rhode Island

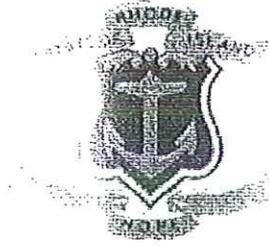
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## CONSTRUCTION SERVICES

### CBU Scope of Work

31. Utility company price for installing a new service connection will not be carried in this proposal at this time. Utility company service will not provide a fixed price for their charges to install the new services until the awarding contractor files for a service request. A \$10,000.00 utility service charge allowance has been included in this proposal. Should the actual charges exceed or be less than the \$10,000.00 amount, the contract price will be adjusted.

\*Price Adjustment for liquid asphalt and diesel fuel for bituminous pavement will be determined in accordance with Section 938 of the RIDOT Standard Specifications (latest edition). The intent of this provision is to ensure adequate and fair compensation for unpredictable and fluctuating costs which, from time to time, occur in the prices of Liquid Asphalt and Diesel Fuel. The price adjustment provisions are made part of this Proposal to assure more realistic bidding and encourage competition.



Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
Web Site: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

13 Dec 10  
Addendum # 1

**RFP # 7448088**

**Title: ARRA Cement Water Main Replacements and Water Booster Pump Station at RI College (Design-Build)**

**Submission Deadline: EXTENDED to 14 January 11 @ 11:00 AM (Eastern Time)**

- Reminder: There is a pre-bid meeting at RI College (Physical Plant) on 14 Dec 10 @ 10:00 AM
- This solicitation is a design-build Request for Proposals. The release of this addendum includes many documents, files, and information that, regreftfully, was omitted from the initial posting of this solicitation. Accordingly, the submission deadline has been extended to the date & time listed above.
- In addition to the RFP document (20 pages), this addendum includes 5 pages of modifications and 7 pages of ARRA funding requirements.

Jerome D. Moynihan, C P M , CPPO  
Administrator of Purchasing Systems



**Solicitation Information**

RFP # 7448088

**TITLE: ARRA Cement Water Main Replacement & Water Booster Pump Stations at RI College (Design-Build)**

Submission Deadline: **EXTENDED TO 14 January 11 @ 11:00 AM (Eastern Time)**

<b>SURETY REQUIRED: Yes</b>
<b>BOND REQUIRED: Yes</b>

**Jerome D. Moynihan, C.P.M., CPPO**  
**Administrator of Purchasing Systems**

**Vendors must register on-line at the State Purchasing Website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).**

**NOTE TO VENDORS:**

**Offers received without the entire completed four-page RIVIP Generated Bidder Certification Form attached may result in disqualification.**

**THIS PAGE IS NOT A BIDDER CERTIFICATION FORM**

## **1. INTRODUCTION**

### **1.0 GENERAL INFORMATION**

The Rhode Island Department of Administration/Office, on behalf of Rhode Island College, is soliciting proposals from qualified firms to provide for Design-Build services, as described elsewhere herein, and in accordance with the terms of this request and the State's Governing Terms and Conditions, which is available on the State of Rhode Island Division of Purchases internet home page [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

The Design-Build Services proposal shall be based on the complete design, supply, and installation of approximately 10,000 linear feet of 6-12 inch diameter water main throughout campus to replace existing asbestos cement water mains, as well as two packaged water booster pump stations and an emergency generator

This is a Request for Proposal (RFP), not an Invitation to Bid: response will be evaluated on the basis of relative merits of the proposal, in addition to price; there will be no public opening and reading of responses received by the Office of Purchases, pursuant to this Request, other than to name those Offerors who have submitted proposals

The RFP states the instructions for submitting proposals, the procedures and criteria by which a vendor may be selected and the contractual terms by which The State of Rhode Island intends to govern the relationship between it and the selected vendor

### **1.1 Definition of Parties**

Rhode Island College with henceforth be referred to as RIC or the College. Respondents to the RFP shall be referred to as Offerors. The Offeror to whom the contract is awarded shall be referred to as the Contractor

#### **1.1.1 Terms/Definitions**

"Request for Proposal", or "RFP", refers to this document or the contents of this document.  
"Customer" or "State" refers to the State and/or associated State institution or agency covered under this RFP

The terms "Vendor", "Bidder", and "Offeror" used herein all refer to the vendor submitting a response to this RFP. The terms "proposal" and "response" are synonymous.

Throughout this document the word "project" refers to the Design-Build services for design, supply and installation of new ductile iron water mains to replace existing asbestos cement water mains throughout campus, as well as two packaged water booster pump stations and an emergency generator.

**1.2 Instructions and Notification to Offerors**

**1.2.1 General Conditions**

This contract will be awarded under the State of Rhode Island Division of Purchases general conditions of purchasing which are available on the State of Rhode Island's website <http://www.purchasing.ri.gov>

Potential offerors are advised to review all sections of this RFP carefully, and to follow instructions completely, as failure to make a complete submission as described herein may result in rejection of the proposal.

Interested parties are instructed to peruse the Division of Purchases web site on a regular basis, as additional information relating to this solicitation may be released in the form of an addendum to this RFP.

**1.2.2 Mandatory Pre-Proposal Conference**

There will be a mandatory pre-proposal conference on ~~xx/xx~~, 2010, at 9:00 AM, at ~~xxxxxxxxxxxxxxxx~~, Rhode Island College, 600 Mt. Pleasant Avenue, Providence, RI. This will provide vendors with the opportunity to talk to the staff responsible for administering the project. Vendors will also be taken on a tour of the water main route in order to familiarize themselves with the project

Prospective bidders may also make written inquiries concerning this RFP to obtain clarification of requirements. See the cover page of this solicitation for instructions

Beyond the terms and conditions expressed herein, no additional discussions regarding this solicitation with State Employees will be permitted

**1.2.3 MBE Goal**

The State of Rhode Island has a goal of ten percent (10%) participation by MBE's in all State procurements. For further information, visit the website [www.mbe.ri.gov](http://www.mbe.ri.gov). To speak with an MBE officer, call (401) 574-8253.

**1.2.4 Equal Employment Opportunity**

**§ 28-5.1-1 Declaration of policy.** – (a) Equal opportunity and affirmative action toward its achievement is the policy of all units of Rhode Island state government, including all public and quasi-public agencies, commissions, boards and authorities, and in the classified, unclassified, and non-classified services of state employment. This policy applies in all areas where the state dollar is spent, in employment, public service, grants and financial assistance, and in state licensing and regulation. For further information, contact the Rhode Island Equal Employment Opportunity Office, at 222-3090.

**1.2.5 E-Verify Vendor Requirement**

If you wish to seek to do business with the State of Rhode Island, you must register and utilize the E-Verify program. Please refer to [www.dhs.gov/E-Verify](http://www.dhs.gov/E-Verify) or the Division of Purchases website at [www.purchasing.ri.gov](http://www.purchasing.ri.gov) for more information.

### **1.2.6 No Guarantee of Services**

Selection of Vendor under this RFP is not a guarantee that the Vendor will be selected to provide services during the agreement period. Vendors and services will be selected by Customer based on need, in addition to vendor qualifications, pricing, and ability.

### **1.2.7 Proposal Costs**

All costs associated with developing or submitting a response to this solicitation, or to provide oral or written clarification of its content, shall be borne by the offeror. The State assumes no responsibility for these costs.

### **1.2.8 Proposal Validity**

Responses are considered to be irrevocable for a period of not less than one hundred and twenty (120) days following the opening date, and may not be withdrawn, except with the express written permission of the State Purchasing Agent.

All pricing submitted will be considered to be firm and fixed unless otherwise indicated herein.

### **1.2.9 Foreign Corporations**

In accordance with Title 7, Chapter 1-2 of the General Laws of Rhode Island, no foreign corporation, a corporation without a Rhode Island business address, shall have the right to transact business in the state until it shall have procured a Certificate of Authority to do so from the Rhode Island Secretary of State (401-222-3040). This is a requirement only of the selected vendors.

### **1.2.10 Right to Reject**

The State reserves the **right to reject** the proposal of any vendor that fails to comply with all of the specifications and requirements contained herein. The State also reserves the right to approve or reject a vendor's participation in any portion of the requested services without rejecting the vendor's entire offer.

### **1.2.11 Modifications to RFP**

The State reserves the right to revise, modify, supplement, or withdraw this RFP at any time. Vendors are encouraged to visit the Division of Purchases' website on a regular basis, as any additional information relating to this solicitation will be released in the form of addenda relating to this RFP.

### **1.2.12 Submission Materials**

All materials submitted regarding this RFP will become the property of the State and will only be returned to the vendor at the State's option. Disqualification of a vendor or non-acceptance of the RFP does not eliminate this right. Bidders are advised that all materials submitted to the State for consideration in response to this Request will be considered to be public records, as defined in Title 38 Chapter 2 of the Rhode Island General Laws, without exception, and will be released for inspection immediately upon request, once an award has been made.

### **1.2.13 RFP Submission Compliance**

Proposals which are not present in the Division of Purchases at the time of opening for any cause will be determined to be late and not considered. For the purposes of this requirement, the official time and date shall be set by the time clock in the Division of Purchases reception area.

### 1.2.14 ARRA

This project is to be funded by American Recovery and Reinvestment Act (ARRA) funds. Offerors must comply with the Division of Purchases "Supplemental Terms and Conditions for Contracts and Subawards Funded In Whole Or In Part By The American Recovery and Reinvestment Act of 2009, Pub.L.No. 111-5" (attached) *Award of this project is contingent on the availability of ARRA Fire Safety funding.*

## 2.0 EXISTING WATER MAIN DESCRIPTION

The Rhode Island College campus has three supply connections to Providence Water. The primary connection is located at the intersection of Mt. Pleasant Avenue and College Road. A second connection exists north of the track. A third connection exists at the end of Cole Road and is considered a minor connection because of smaller pipe sizes.

There is approximately 10,000 linear feet of 8 – 12 inch diameter water main on campus. There are approximately 15 fire hydrants with valves, 20 mainline valves, and 19 buildings with both domestic and fire services.

**Summary of Asbestos Cement Water Mains**

<b>Diameter (inches)</b>	<b>Length (feet)</b>
8	700
10	6,500
12	2,800
Total	10,000

## 3.0 SCOPE OF WORK

**3.1** The following scope items shall be considered the minimum requirements. The offeror shall include any additional scope items in their proposal that they believe will allow RIC to better meet the project objective. **At the time of award, a design-build contract will be executed between RIC and the offeror for the project. The contract will include provisions for fee adjustments based on actual lengths of water main installed, actual length of disposed AC pipe, and actual length of temporary water main installed.**

- 3.2 General** – Provide complete design, supply, and installation of approximately 10,000 linear feet of 6-inch diameter to 12-inch diameter ductile iron water main and appurtenances including but not limited to fire hydrants, gate valves, air valves, curb stops, and corporations. In addition, design, supply, and install two package water booster pumping stations and an emergency generator.
- 3.3 Schedule** – This project shall be completed by August 31, 2011.
- 3.4 Meetings** - Meet with representatives from Facilities and Operations at outset of project to discuss details of project prior to beginning work. Summarize meeting in a memorandum. Plan for at least semi-weekly progress meetings during the design phase and weekly progress meeting during the construction phase. Meeting minutes shall be developed by the offeror for all meetings.
- 3.5 Codes & Laws** – The design and construction shall conform to all applicable codes and laws. Water main work shall be in full conformance with the latest AWWA standards and in full conformance with Rhode Island Department of Health Rules & Regulations Pertaining to Public Drinking Water. The College's insurer, FM Global, must also review and approve the design.
- 3.6 Existing Data Review** - Review existing campus plans and conduct detailed onsite reviews of the water main routes. Review available maps and schematics of existing utilities.
- 3.7 Existing Mapping** – RIC has existing mapping for the campus on AutoCAD including all utilities, which will be provided to the contractor. The utilities locations are approximate based on available data. Surface features were surveyed. The contractor shall make test pits as part of this contract where verification of the water mains or other utilities is required.
- 3.8 Water Supply** – Review existing fire flow test results. Conduct additional tests as required to complete the designs.
- 3.9 Test Pits** – Test pits will be required to verify the location of the existing water mains and other utilities. The cost for this work shall be included in the lump sum price.
- 3.10 Existing Asbestos Cement (AC) Water Mains** – Existing AC water mains that are being replaced can be abandoned in place if they have not been disturbed. It is the intent of this project that the new water mains be installed far enough away from

the existing water mains so that the existing AC water mains can be abandoned in place. Existing AC water mains shall not be abandoned in the same trench as the new water mains. In cases where AC water mains must be removed in order to accomplish work of this project, the AC water mains shall be handled, stored, and disposed of in accordance with an approved abatement plan (provided by RIC). Contractor shall adhere to abatement plan and the Rhode Island Department of Health Rules & Regulations for Asbestos Control with regard to the handling, storage, and transport of AC water main to be disposed. *Assume 2,500 linear feet to be disposed for this proposal.*

3.11 **New Water Mains** – All new water mains shall be cement-lined ductile iron Class 52 water mains. Cement lining shall be double thickness. Water mains shall have a bituminous outside coating. With the exception of hydrant branches and service connections, the minimum water main size shall be 8-inch diameter. The replacement size of all other water mains shall be the same size as the existing mains. Water mains shall be installed in full conformance with AWWA standards and Ductile Iron Pipe Research Association (DIPRA) guidelines. In addition, the design and construction shall be in accordance with the Providence Water Supply Board (PWSB) Requirements for Water Mains, Services, and Appurtenances (latest edition). Materials shall be per PWSB requirements and ARRA requirements (if there is a conflict, ARRA requirements shall govern).

3.12 **Water Main Separation from Sewer and Other Utilities** - A minimum of ten-foot horizontal separation shall be maintained in the placement of water mains, services or appurtenances within the vicinity of sewer facilities or vice versa. Where water mains cross sewer mains, the crown of the sewer main shall be at least 18-inches below the bottom of the water main. In cases where it is not possible to maintain a 10-foot, horizontal separation or in the case of crossing the eighteen-inch, vertical separation, a deviation from this restriction may be allowed on a case by case basis with prior approval from the College Engineer as to the proposed materials and interventions to be taken to protect the water system from the possibility of contamination. In all cases, force main sewer infrastructure must be located below water mains.

A minimum of 24-inches horizontal separation shall be maintained in the placement of water mains, services or appurtenances within the proximity of other utilities such as gas, drainage, electrical or telephone. Where water mains cross other utilities, the vertical separation between the water infrastructure and utility shall be at least 18-inches. The placement of other utilities in the proximity of water facilities shall maintain these separation distances. In cases where it is not possible to maintain these

separation distances, a deviation from this restriction may be allowed on a case-by-case basis with prior approval from the College Engineer as to the proposed design considerations.

New water mains shall have a horizontal separation of at least four (4) feet from existing AC water mains.

3.13 **New Water Main Route** – It is anticipated that the route for the new water main will generally parallel the existing route. However, this shall be reviewed during the design and alternate routings will be considered if they maintain system hydraulics, reduce impact to campus activities, and do not result in a cost increase. The existing water main from the Providence Water supply north of the track/athletic field runs under the track/athletic field and under the bleachers. This main shall be re-routed to the west of the track/athletic field.

3.14 **Hydraulic Modeling** – Prepare a skeletonized hydraulic model of the RIC water system. Demand data to be provided by RIC. Model shall be used for design of water mains and pump stations.

3.15 **Water Booster Pump Stations** – This project includes the design, supply, and installation of two water booster pump stations. The stations shall provide a nominal 20-25 psi pressure increase over the pressure supplied by Providence Water. These stations shall be manufactured by EFI (Engineered Fluid, Inc.) of Centralia, Illinois. It is intended that one station (main station) be located at the intersection of Mt. Pleasant Ave. and College Rd. downstream of the existing hot box. This station shall be used for supplying all demands up to and including maximum day plus fire demand. This station shall be an underground station.

It is intended that the second station be located north of the running track downstream of the existing hot box. This station shall be used for supplying all demands up to and including maximum day demand. This 2<sup>nd</sup> station would normally not be pumping and would primarily be used if the main station was out of service, there was a water main break on campus, or if system demands exceed the main station's capacity. A determination as to whether this station is an above-grade station or below-grade station shall be made during the design.

A preliminary study was done by Pare Corp. that evaluated a pump station at Mt. Pleasant Ave. and College Rd. The study estimated average day demand of 73 gpm, maximum day demand of 219 gpm, and peak hour demand of 408 gpm. Preliminary

results indicate a pump sized for 1500 gpm at 100 feet of total dynamic head with a run-out point of 2,500 gpm and a shut-off head of 150 ft. As this station must be designed to accommodate both domestic and fire conditions the station shall be equipped with a minimum of two low flow pumps and two high flow pumps to with variable frequency drives to provide for the required flow range and redundancy. Final pump sizing shall be determined as part of the design.

- 3.16 **Fire Flow Demands** – A complete review and evaluation of RIC’s fire flow requirements shall be conducted. This shall include a review of existing building fire pumps and campus buildings. It shall also include discussions with the State Fire Marshall’s office, Providence Fire Department, North Providence Fire Department, and FM Global (the College’s insurer). The fire flow demand shall become the basis of pump sizing for the booster pump stations.
- 3.17 **Booster Pump Station Bypass** – Each booster pump station shall have an emergency bypass constructed around the station (with shutoff and isolation valves) so that water supply can be received from the Providence Water in the event that the station(s) fails and/or is being maintained.
- 3.18 **Emergency Generator** – The main pump station at Mt Pleasant and College Rd shall be equipped with a diesel emergency generator that shall be capable of providing electrical supply for maximum day plus fire flow demand. The generator shall be manufactured by Kohler, Generac, or MiltonCAT.
- 3.19 **Electrical Supply** – This contract includes the design, supply, and installation of all electrical duct, wires, poles, transformers, and all other components required to provide power to the water booster pump stations.
- 3.20 **Booster Pump Station Control** – The pump stations shall normally run on automatic control. Design, supply, and install control system (including hardware, software and associated wiring) to control the stations remotely from Physical Plant building. System shall include at a minimum the ability to monitor and trend station inlet and outlet pressure, flow rate from each pump, on/off status of each pump, emergency generator status. It shall also include the ability to switch from manual to automatic mode and vice versa and turn individual pumps on/off.
- 3.21 **Temporary Water Mains** – Water service to all RIC facilities must be maintained throughout the project. Short-term shutdowns of water supply will be permitted for making tie-ins between new and existing water mains. However, these must be scheduled with RIC in advance and wherever possible shall be conducted in

the off-hours. Any temporary water mains required shall be included in the contractor's fee. Temporary water mains shall be capable of supplying maximum day plus fire flow. If the contractor proposes to provide a temporary water main that is smaller in diameter than the one it replaces, then supporting calculations shall be provided demonstrating that the temporary water main will supply the required water. Temporary water mains shall have only be used for potable water applications. Mains shall be pressure tested, flushed, and disinfected per AWWA guidelines. Water quality sampling shall be the same as per a permanent water main. Temporary water mains shall be located so as to not interfere with vehicular or pedestrian traffic. *Assume 5,000 ft. of temporary water mains.*

3.22 **Surface Restoration** – Surfaces shall be resurfaced as follows:

- Grassed areas – loam & seed
- Mulched/Plants/Flowers – Restore in-kind
- Concrete Sidewalks, walkways, mall area – Restore in kind For concrete areas disturbed replace full sections of concrete
- Bituminous Parking lots and walkways – temporary pavement for 90 days and replace with permanent full depth trench patch.
- Roadways (except College Rd.) – Temporary trench patch (2-inches), Replace with full depth trench patch after 90 days.
- College Rd. – Temporary trench patch (2-inches), replace with full depth trench patch after 90 days, curb-to-curb overlay (2-inches).

3.23 **Safety** – Contractor shall prepare a safety plan for onsite work and submit to RIC for approval. Plan shall address safety of contractor's employees, vehicular traffic, and pedestrians.

3.24 **Rock Removal** – No blasting is allowed. Contractor shall take test borings along water main routes to determine subsurface conditions. *Provide cubic yard price for rock removal (separate prices for ledge and boulder) in proposal.*

3.25 **Draft Submittal** - Submit three (3) copies of the draft design plans and specifications within 45 days of contract award for review and comment.

3.26 **Final Submittal** - Revise draft designs in accordance with RIC comments within 15 (fifteen) days of receipt of comments and submit five (5) copies of the final plans

and specifications (hard copy and electronic copy (AutoCAD & PDF). All designs shall be stamped by a Professional Engineer licensed in the State of Rhode Island

3.27 **Construction** – No construction will be permitted until RIC has approved the design. Design for water mains and pump stations may be submitted and approved separately. Offeror shall be responsible for all aspects of construction. All construction staff shall possess valid Rhode Island licenses in their respective disciplines, including but not limited to electricians, plumbers, pipefitters.

3.27.1 **Access to Buildings & Work Hours** – The RIC buildings are in use throughout the year. The Offeror will need to coordinate activities with ongoing operations. It shall be assumed that at least some of the work will need to be conducted during nights and/or weekends. This shall be reflected in the offeror's fee structure, as there will be no additional compensation for work outside normal work hours. It shall also be assumed that there will be some days where particular types of work will not be allowed to minimize disturbance to College activities.

3.27.2 **Normal work hours** shall be M-F, 7:30 am to 4:30 pm, excluding holidays. Multiple crews may be used to work in several locations simultaneously. Work outside of normal work hours must be requested at least 48-hrs in advance and must be approved by the College Engineer.

3.27.3 **Permits** - Offeror is responsible for obtaining and paying for all required permits including but not limited to building permits, electrical permits, and plumbing permit.

3.27.4 **Restrictions** -No water mains will be laid during the months of November, December, January, February and March, except at the discretion of the Rhode Island College. All valves in the Rhode Island College system are the property of Rhode Island College and as such shall not be opened by any individual other than with the approval of and in the presence of the Rhode Island College representative.

3.27.5 **Environmental Controls** – Contractor shall supply, install, and maintain environmental controls to protect wetland areas and storm drains from construction impacts. Controls shall include, at a minimum, hay bales and

silt fences adjacent to wetland areas and sedimentation basins for dewatering operations

- 3.27.6 **Shop Drawings** – Submit five sets of shop drawings for all materials for the College’s review and approval. Ensure submittals are consistent with the design, College standards, and all applicable codes and laws. Drawings must be approved by the College Engineer prior to materials being ordered. No materials will be accepted on the job site without approved shop drawings.
- 3.27.7 **Storage of Materials** - At the jobsite, all materials are to be stored in a place and manner which protect them from damage and the effects of weather. Flammable materials are not to be stored inside campus buildings. Coordinate storage requirements and proposed locations with the College Engineer.
- 3.27.8 **Manufacturer’s Directions** - All manufacturer’s articles, materials, and other equipment shall be supplied, installed, connected, erected, used, cleaned, and conditioned as directed by the manufacturer’s instructions unless otherwise approved by the College Engineer.
- 3.27.9 **Davis-Bacon** – Offeror is required to pay prevailing wages as set forth by the Rhode Island Department of Labor and Training and the Davis Bacon Wage Rate Schedules. Submit two copies of certified payrolls for offeror and all sub-contractors with each pay request.
- 3.27.10 **Red-line Drawings** – Offeror shall maintain a set of red-line drawings on-site reflecting as-built conditions. Red-lines shall be marked on final design drawings. Red-line drawings shall be presented at each progress meeting for review by the College.
- 3.27.11 **Cleanup** – Offeror is responsible for site cleanup. All trash and construction debris shall be stored in approved areas and removed from the campus weekly. Offeror shall broom clean, vacuum, dust, and wet mop all surfaces affected by the construction on a daily basis. The offeror is responsible for the proper and legal disposal of all materials. The cost of such disposal shall be included in the offeror’s pricing.

- 3.27.12 **Protection of Personnel and Property** – The Offeror shall conduct their work in such a manner to protect the personnel and property of the College, students, or employees from loss, injury, or damage. Offeror shall repair, replace, and/or compensate any damage, injury or loss resulting from this project. The College shall not be responsible for offeror equipment security.
- 3.27.13 **Traffic Plan** – Offeror shall develop a traffic plan in coordination with RIC that provides for maintenance of vehicular and pedestrian traffic.
- 3.27.14 **Dust and Noise Control** – Contractor must take measures to control dust from operations. Recognizing that this is an active College Campus, noise from the project should be minimized to limit disruption to classes.
- 3.27.15 **O&M Manuals** – Vendor shall supply three (3) copies of O&M manuals for the water booster pump stations. O&M manuals shall be bound in three-ring binders and shall be divided into sections with a table of contents listing the contents of each section. O&M manuals shall include: equipment cut sheets, manufacturer's maintenance information on all components of the system, as-built drawings, system operational instructions, spare parts lists, and any other information pertinent to the operation and maintenance of the fire alarm systems.
- 3.27.16 **As-Built Drawings** – Use red-line drawings and original design documents to develop As-built plans on AutoCad. GPS (with x,y, and z coordinates) shall be provided for all bends, valves, hydrants, and tees and every 100 ft. along the water main to accurately plot the water main and appurtenances. Provide three (3) sets of as-built drawings and a CD with both AutoCad and PDF electronic files.
- 3.27.17 **Payment** – Submit pay requisitions at the end of each month using AIA forms. College will withhold 10% retainage. At project outset submit a schedule of values. Upon completion of work, notify College Engineer and a joint inspection will be scheduled.
- 3.27.18 **Start-Up and Training Operations** – Conduct start-up operations and personnel instruction for the water booster pump stations. Start-up shall

include actual start-up and systems adjustment; complete system demonstration and performance verification; the furnishing of maintenance data and spare parts list; the setting and adjustment of all controls and accessories; and trouble-shooting and the provision of a troubleshooting guide. The required testing is to include all equipment installed by this contract. Contractor will instruct the College Engineer and Physical Plant personnel on the operation and maintenance requirements of all equipment that is installed. Training shall be done onsite and scheduled according to availability of RIC staff. Two duplicate training sessions (on different days) shall be provided to ensure adequate staff receive training.

3.27.19 **Maintenance Included in this Contract** – Provide maintenance and servicing of the water mains and appurtenances, and pump stations (and of all equipment being installed) for one year from date of acceptance of complete systems.

3.27.20 **Warranty** –The offeror shall leave the facility in proper working order and shall replace any work, material, or equipment provided under this contract which develops defects, other than due to vandalism, within one year from the date of final acceptance by the College, without additional expense to the College. Offeror shall register all products with manufacturer on behalf of the College to initiate manufacturer warranties.

#### **4.0 QUALIFICATIONS**

4.1 Offerors shall have at least 10 years of experience in the design and installation of water mains and water booster stations. It is preferable that offerors have experience working for institutions of higher education. It is preferable that offerors shall have conducted at least 3 designs and installations of similar size and complexity in the last 5 years. Offerors shall have thorough knowledge of local and national codes.

4.2 The installation of the water mains and appurtenances are to be performed by a Rhode Island licensed contractor. All electrical work shall be conducted by a contractor with a Master Electrical Contractor's license valid in Rhode Island. Any required welding is to be accomplished by a RI-certified welder.

4.3 Project Team – Project teams are acceptable (i.e. contractor and engineering firm). Qualifications for entire team shall be included in the proposal.

## 5.0 AVAILABLE DOCUMENTS

Documents available to the Offerors are as follows:

- o Building Plans
- o Campus Map (available at [www.ric.edu](http://www.ric.edu))
- o Providence Water Supply Board Requirements for Water Mains, Services, and Appurtenances
- o Study Memorandum by Pace Corporation
- o Utility Plans – available for review at Physical Plant office
- o Fire Flow Tests (Conducted 2010)

## 6.0 PROJECT DELIVERABLES

The following is a list of end products that should result from the project:

- 6.1 Memorandum from initial meeting with Facilities & Operations.**
- 6.2 Memorandums that summarize each progress meeting**
- 6.3 Draft Plans and Specifications (3 copies)**
- 6.4 Final Plans and Specifications (approved by State Fire Marshall and FM Global) (5 copies)**
- 6.5 Installed and tested water mains and appurtenances and two water booster pumping stations. Documentation on pressure tests and water quality tests to be provided and accepted prior to activation.**
- 6.6 Two training sessions for each booster pump station for RIC staff**
- 6.7 O&M Manuals – three (3) copies for each water booster pump station**
- 6.8 As-Built Drawings – Three hard copies and electronic files (AutoCAD and PDF) for each building.**
- 6.9 One year of maintenance and service from date of acceptance.**

## 7.0 PRE-PROPOSAL QUESTIONS AND MEETING

### Pre- Proposal Conference

A mandatory pre-proposal conference will be held on 14 Dec 10 @ 10:00AM at Rhode Island College, 610 Mount Pleasant Avenue, Providence, RI. The purpose of this conference is to answer questions and provide further clarification as may be required. Firms planning to attend this pre-proposal conference, or to get directions to the campus, visit <http://www.ric.edu/aboutRIC/directions.php>.

A tour of the campus and approximate water main routes will follow the pre-proposal conference.

The information discussed at this pre-proposal meeting will be released as an addendum to the RFP and posted on the Internet at [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

### **Pre-Submission Questions**

Questions, in **Microsoft Word Format**, concerning this solicitation may be emailed to the Division of Purchases at [questions@purchasing.state.ri.us](mailto:questions@purchasing.state.ri.us) no later than the Date & Time indicated on page 1 of this solicitation. Please reference the RFP on all correspondence. Answers to questions received, if any, will be posted on the Internet as an addendum to this solicitation. It is the responsibility of all interest parties to download this information.

## **8.0 PROPOSAL SUBMISSION REQUIREMENTS AND FORMAT**

### **Submission Requirements**

- A completed and signed three-page RIVIP Bidder Certification Cover Form, available at [www.purchasing.ri.gov](http://www.purchasing.ri.gov)
- A summary section providing an overview of the services being proposed
- Evidence of Qualifications as described in Section 4.0, Section 8.0 and Section 9.0. It is preferable for the Response to contain the actual text of the RFP followed by the Vendor's response to that paragraph
- An exceptions listing, by paragraph number, of any specifications that have not been met (exceptions for specifications relating to services not being offered do not need to be provided).
- A completed and signed E-Verify W-9 (taxpayer identification number and certification.) Form is downloadable at [www.purchasing.ri.gov](http://www.purchasing.ri.gov).
- Vendor may include further sections or appendices containing drawings, planning documents, or any other supplementary information the Vendor would like to include in their response. Additional information such as marketing and sales brochures is welcome, but is in no way a substitute for the information requested above
- Not-to-exceed fee and approach to establishing fee. Documents are to be signed, sealed, and separate from the technical response.

### **Submission Format**

**The deadline for submission is 14 Jan 10 @ 11:00 AM (EST)**

Offers to provide the services covered by this Request must be received by the Division of Purchases on or before the date & time indicated on page one of this solicitation. Responses (an original plus five(5) copies) should be mailed or hand-delivered in a

sealed envelope marked ["RFP #7448088 – RIC Design-Build for Asbestos Cement Water Main Replacement and Water Booster Pump Stations"] to:

RI Dept. of Administration  
Division of Purchases, 2<sup>nd</sup> floor  
One Capitol Hill  
Providence, RI 02908-5855

NOTE: Proposals received after the above-referenced due date and time will not be considered. Proposals misdirected to other State locations or which otherwise not presented in the Division of Purchases by the scheduled due date and time will be determined to be late and may not be considered. Proposals faxed, or emailed, to the Division of Purchases will not be considered. The "official" time clock is located in the reception area of the Division of Purchases.

*In addition to the multiple hard copies of proposals required, offerors are requested to provide their proposal in electronic format (CDRom) Microsoft Word / Excel OR PDF format is preferable. Only 1 electronic copy is requested and it should be placed in the proposal marked "original".*

A Selection Committee will evaluate submitted proposals on the basis of the above criteria items. Consultant Teams may be invited to appear before the Committee for in-person presentations. The Committee will then make a qualifications based recommendation for final selection to the Rhode Island State Division of Purchases for final award determination.

Notwithstanding the above, the State reserves the right not to award this contract or to award on the basis of cost alone, to accept or reject any or all responses, and to award in its best interest.

Proposals found to be technically or substantially non-responsive at any point in the evaluation process will be rejected and not considered further.

*Award of this project is contingent on the availability of ARRA Fire Safety funding.*

**Proposal submission should include (in addition to above):**

8.1 Firm information – Provide name, address, phone number, primary contact person, and number of years firm has been designing and installing water mains and booster pump stations. Provide resumes of key personnel who will be assigned to the project. This should include the project manager, design engineers, and field superintendent at a minimum.

8.2 Reference Projects – Provide a list of at least three similar projects completed in the last five years, including reference contact person and phone number, date of project

installation, and cost of project. It is preferable that at least one of these projects was completed in the State of Rhode Island.

8.3 Sub-contractor Listing – Use the attached Fee Form to provide a list of sub-contractors to be used on project, their role on the project, and the percentage of the total fee their work comprises. In addition, proposal should include sub-contractor address, sub-contractor qualifications (project references, resumes of key personnel), and description of proposed work.

8.4 Schedule – Provide a detailed proposed project schedule from date of award. Schedule shall reflect completion of both design and construction by August 31, 2011.

8.5 Firm Capacity - Demonstrate that firm has capacity to complete the project on schedule. Provide information on company staffing levels and current workload. Provide a list of construction equipment that is available for use on this project.

8.6 Costs – Use the attached Fee Form to provide Fee information.

## 9.0 EVALUATION FACTORS

In order to select the Vendor that will be awarded this RFP, the RFP responses will be evaluated in the following manner.

The College will convene a Selection Committee that will score each response. The response will be scored in the following categories, in which each category is given a weight factor expressed in a percentage of the total. The College, at its option, may interview one or more offerors in order to make a final selection. The evaluation categories are:

- **Experience in performing design and installation of water mains and water booster pump stations (20 Technical points)**

The offerors will be evaluated on their demonstrated experience in designing similar systems. Offerors have at least 10 years of experience in the design and installation of water mains and water booster pump stations. It is preferable that offerors have experience working for institutions of higher education. It is preferable that offerors shall have conducted at least 3 designs and installations of similar size and complexity in the last 5 years.

- **Technical Expertise (15 Technical points)**

The offeror shall demonstrate expertise in the design and installation of water mains and water booster pump stations, and other appropriate disciplines. Knowledge of all local

and national electrical codes is mandatory. Describe how the project will be managed and include the names and resumes of all key personnel who would work on project.

- **Ability to Complete Project Within Schedule (25 points)**

It is important to the College that the offeror complete this work within the proposed schedule. Proposal should demonstrate that the company has sufficient staffing and that the proposed staff is available to complete the work required.

- **Fees (40 Cost points)** The fee will be evaluated along with the above items as a factor in selection. This project is structured as a lump sum fee.

## **10.0 SELECTION PROCESS**

The Selection Committee will evaluate and score all proposals, using the criteria described above. The scoring will be used to develop a short-list of firms for an interview. RIC may interview 1-3 firms in order to make the final selection.

Notwithstanding the above, the State reserves the right not to award this contract or to award on the basis of cost alone, to accept or reject any or all responses and to award in its best interest.

**Fee Form**

Lump Sum Fee	\$	
Rock Removal (ledge)	\$	per cubic yard
Rock Removal (boulders)	\$	per cubic yard

*Note: Fees should be provided in number (i.e. \$100.00) and writing (i.e. one hundred dollars and zero cents).*

**Listing of Proposed Subcontractors**

Company	Type of Work To Be Completed (i.e. role on project)	Approximate % of Total Fee

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The following modifications to the RFP shall be made:

1. The project is no longer a lump sum project for 10,000 linear feet of water main and two pump stations. The project has been divided into six(6) pieces: 5 pipe segments and 1 piece that includes the two pump stations. Provide separate prices for pipe segments 1 through 5, and the pump stations on the revised fee form (part of this addendum). Depending on the timing of the project award, the College may elect to award all of the segments and the pump stations or certain segments. In addition, the College will determine the order (and priority) in which the segments are to be installed.

Prices shall consider that each segment will be designed, installed, pressure tested, flushed, chlorinated, tested for water quality, and connected to the existing campus water supply system and associated buildings independently of the other segments. In addition, all associated restoration work (pavement, concrete, grass, walkways) is included in each price. The following describes the six (6) project pieces:

- a. Pipe Segment 1 (College Rd. from Mt. Pleasant Ave. to Roberts Hall) – Approximately 2,050 ft. of 12-inch main
  - 1) Mainline Valves: three (3)
  - 2) Hydrants w/valve: zero (0)
  - 3) Building connections: zero (0)
  - 4) Temporary Water Main : 100%
  - 5) Asbestos Cement Pipe Removal: 100%
- b. Pipe Segment 2 (PWSB Oakton St. Meter to southeast corner of Whipple Hall and Library Rd. from Track to northwest corner of Gaige Hall) – Approximately 800 ft. of 12-inch diameter and 1,540 ft. of 10-inch diameter.
  - a. Mainline Valves: four (6)
  - b. Hydrants w/valve: four (4)
  - c. Building connections: Whipple Hall, Clarke Science (2), Fogarty Life Science (2), Adams Library (2), Gaige Hall (2)
  - d. Temporary Water Main: Assume 75%
  - e. Asbestos Cement Pipe Removal: Assume 75%
- c. Pipe Segment 3 (College Rd. from Henry Barnard School to Sweet Hall and from College Rd. to Willard Hall) – Approximately 1,270 ft. of 10-inch diameter main and 660 ft. of 8-inch diameter main.
  - a. Mainline Valves: four (4)

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- b Hydrants w/valve: three (3)
  - c Building connections: Henry Barnard School (1), Horace Mann (2), Thorp Hall, Sweet Hall, Brown Hall, Weber Hall, Willard Hall
  - d Temporary Water Main: Assume 25%
  - e Asbestos Cement Pipe Removal: Assume 25%
- d Pipe Segment 4 (Loop around Art Center, Nazarian Center, and Roberts Hall)- Approximately 2,250 ft of 10-inch diameter main
- a Mainline Valves: eight (8)
  - b Hydrants w/valve: four (4)
  - c Building connections: Henry Barnard School (1), Whipple Hall (1), Nazarian Center (2), Roberts Hall (2), Art Center (1), Alger Hall (2)
  - d Temporary Water Main: Assume 25%
  - e Asbestos Cement Pipe Removal: Assume 25%
- e Pipe Segment 5 (Murray Center to Alger Hall through Mall) – Approximately 1,250 ft. of 10-inch diameter main.
- a Mainline Valves: three (3)
  - b Hydrants w/valve: two (2)
  - c Building connections: Murray Center (2), Student Union (2), Donovan Dining (2), Craig Lee (2)
  - d Temporary Water Main: Assume 10%
  - e Asbestos Cement Pipe Removal: Assume 10%, only where absolutely necessary (i.e. unavoidable conflict with route of new water main)
- f. Two Pump Stations and Emergency Generator – Fee for the design, supply, installation, start-up, and testing of the two pump stations and emergency generator. This fee shall include all site work, connections to water supply and discharge mains, electrical supply, electrical transformers, poles, permits, and all associated work.
2. Ledge & Boulder Removal – Provide separate unit prices for ledge removal and boulder removal (greater than 1 CY) on the fee form. **The cost of ledge and boulder removal will not be included in the lump sum but will be paid on a unit cost basis.**
3. Asbestos Cement Pipe Removal and Disposal – Provide separate unit prices for removal and disposal of asbestos cement water main. The purpose of these prices is to provide a basis for adjustment (plus or minus) if actual lengths differ from the assumptions provided in #1 above.

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4. Temporary Water Main - Provide separate unit prices for temporary water main. The purpose of these prices is to provide a basis for adjustment (plus or minus) if actual lengths differ from the assumptions provided in #1 above.
5. Asbestos Abatement Plan – Asbestos abatement plan prepared by RI Analytical Laboratories shall be adhered to during construction.
6. Test Pits – Assume test pits are required every 100 ft. along water main route. This shall be included in lump sum fees. In addition, provide unit price for additional test pits that may be required.
7. Trench to be Backfilled on Daily Basis – Contractor shall backfill the trench at the end of each work day. Contractor may use steel plates over the trench at termination points each day. Open excavations not in the roadway that are to remain open overnight shall be protected by temporary fence.
8. Pump Stations – Contractor's base bid shall include EFI pump stations. Alternate manufacturer's pump stations may be submitted on as contract deduct. This will not be used as basis for contractor selection.
9. Emergency Generator – The emergency generator for the pump station at the intersection of Mount Pleasant Ave and College Road should be located as far away from College Rd. as possible. Contractor shall work with the College to minimize visual impact of generator at College entrance. Assume that some plantings (twenty - 5 to 6 ft. Arborvitae ) will be required.
10. Contingency – Contractor's prices shall include 10% contingency. Contingency shall be used for changes approved in writing by Owner.
11. Traffic Plan – Contractor shall provide for one-lane of vehicular travel at all times unless written approval from RIC for variance is given. In addition, provide for four (4) foot wide pedestrian travel way. Contractor shall supply, install, and maintain signage, traffic cones. Contractor shall provide flaggers for traffic control (at least one(1) per roadway crew and two(2) on two-way roads).
12. Materials Storage – Materials shall be stored in locations approved in writing by RIC.
13. Completion Date – All work must be completed and invoiced by September 30, 2011. There is no funding for this project beyond this date.

Rhode Island College  
 Design-Build Replacement of Asbestos Cement Water Mains  
 RFP #7448088  
 Addendum  
 December 10, 2010

**Fee Form**

Lump Sum Fee – Segment 1	\$
Lump Sum Fee – Segment 2	\$
Lump Sum Fee – Segment 3	\$
Lump Sum Fee – Segment 4	\$
Lump Sum Fee – Segment 5	\$
Lump Sum Fee – Two Pump Stations and Emergency Generator	\$
Rock Removal (ledge)	\$ per cubic yard
Rock Removal (boulders)	\$ per cubic yard
Remove and dispose of AC water main – 8-inch diameter	\$ per linear foot
Remove and dispose of AC water main – 10-inch diameter	\$ per linear foot
Remove and dispose of AC water main – 12-inch diameter	\$ per linear foot
Temporary water main – 6-inch diameter	\$ per linear foot
Temporary water main – 8-inch diameter	\$ per linear foot
Temporary water main – 10-inch diameter	\$ per linear foot
Temporary water main – 12-inch diameter	\$ per linear foot
Test Pits	\$ each

*Note: Fees should be provided in numbers (i.e. \$100.00) and writing (i.e. one hundred dollars and zero cents).*

Rhode Island College  
Design-Build Replacement of Asbestos Cement Water Mains  
RFP #7448088  
Addendum  
December 10, 2010

Listing of Proposed Subcontractors

Company	Type of Work To Be Completed (i.e. role on project)	Approximate % of Total Fee



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## OUR FIRM AND ITS RESOURCES

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James J. Geremia & Associates, Inc. is a Corporation offering comprehensive professional environmental design services and environmental assessment services to clients throughout the New England area. Our basic business philosophy is to provide our services in a most competitive fashion without sacrificing quality. Additionally, it is the goal of our firm to obtain the respect and trust of our clientele. Such an approach requires that our staff remain highly trained and familiar with new and emerging technologies.

Our services range from feasibility studies, environmental assessment, and master planning to final design, permitting, and construction administration services. By combining an experienced, dedicated staff with the latest technologies, JGA addresses the needs of our clients in a personal, creative and cost-effective manner.

Our philosophy of approach to a project centers on the assignment of a team whose members are selected for the specific expertise required for each project. Each team is headed by a principal of the firm who commits the staff and resources necessary to meet the client's goals and schedules. Our commitment includes establishing and maintaining open communication with clients at all phases of the project in order to foster coordination and the dynamic processes necessary for successful project completion. Our staff is dedicated to high standards of quality and professionalism.

The firm has a highly qualified and experienced staff of professionals supported by sophisticated equipment. JGA has considerably expanded its staff and scope of services with capabilities and experience in the following areas:

- Water/Wastewater Facilities
- Civil Engineering - Roadway and Drainage Design
- Environmental Investigation
- Construction Administration Services
- Wastewater Treatment Operation
- Lake Restoration
- Industrial Wastewater Treatment

### Computer Software and Support Services

JGA maintains a powerful and sophisticated computer capability. In-house computer aided drafting and design services are supported by powerful desk-top Pentium computers, with CD backup for security of information. In addition, JGA maintains a library of many of the latest technical programs including AutoCAD (Release 2010) as well as "soft desk DCA", "CivilSOFT", and "Cybernet" civil engineering software. Our engineers and scientists use a variety of other technical programs to support our services in the design, assessment and management of projects.

Quality printing and plotting services are provided by in-house modern technology, including an HP Designjet 1050C color plotter capable of plotting "E" size prints in 256 colors. We also maintain a "KIP 3002" Engineering Copier capable of producing mylars and prints.

### In-House Resources

JGA maintains a growing technical library of reference materials, journals, regulations, reports and map files which are maintained for access by design and technical support staff. Reports and documents are produced on a variety of word processing systems, including "WordPerfect X3" and Microsoft Office 2007.

### Project Controls

JGA's project managers use a variety of controls with respect to quality, scheduling and costs in the development and completion of environmental engineering projects. The controls are supported by a variety of computer programs designed specifically for these purposes. Job control cost and labor summaries are generated weekly and are utilized as a focal point for weekly status meetings with project managers, lead personnel and support staff.

### Detailed Design Aids

The extensive design experience, field testing and evaluation have resulted in the development of standard details and master specifications which are computerized for easy retrieval and editing. This data base is used to ensure design accuracy, completeness and contractor understanding as well as project quality and cost-effectiveness.





SAR Engineering, Inc.

## Firm Profile



**SAR's Corporate Headquarters**  
*Quincy, Massachusetts*

**SAR Engineering, Inc.** is a full service consulting engineering firm specializing in Mechanical and Electrical systems engineering and design. These areas include HVAC, Plumbing, Fire Protection, Refrigeration, Energy Management, Renewable Energy, High and Low Voltage Power Distribution, State-of-the-art Lighting and Communications Systems.

Established in Massachusetts in 1981, SAR Engineering, Inc. has become a leading multi-disciplinary firm through its innovative approach and dedication to the highest professional principles. Our services include engineering, design, construction administration and project management. Also, SAR provides full planning and engineering services for all types of telecommunications systems (telephone, voice, data, audio-visual, security, etc.).

SAR Engineering, Inc. has extensive experience with energy efficient building design, both for new and existing buildings. Our engineering capabilities include complex systems design for educational facilities, correctional facilities, indoor/outdoor ice rinks, hospitals, parking garages, processing plants, shopping malls, laboratories, municipal buildings, office buildings, water/wastewater treatment facilities, pump stations, US embassies, courthouses, and large boiler/chiller plants. We have worked in both the public and private sectors, for clients such as the US State Department, the US Navy, the US Army Corps of Engineers, the Massachusetts Water Resources Authority, the Massachusetts Bay Transportation Authority, Massachusetts Highway Department, the Massachusetts Turnpike Authority, the Massachusetts Port Authority, Division of Capital Asset Management (DCAM) as well as American Airlines, Genzyme, University of Massachusetts, and Harvard University, to name a few.

SAR Engineering, Inc. comprises a team of highly qualified engineers and project managers. The quality of the engineering and design services we provide in the fields of Heating, Ventilating, Air Conditioning, Plumbing, Fire Protection, Electrical and Information & Telecommunication Technology, is widely recognized. Our innovative approach, environmentally conscious sustainable designs, and cost effective MEP/FP engineering would be an asset to any project. We offer our clients numerous alternatives to assist them in the selection of the appropriate HVAC, Plumbing, Fire Protection, Electrical and Information Technology systems, sources of energy and energy management, together with preparing life cycle cost analysis and a QA/QC program. Our record of meeting deadlines and exercising very strict budgetary controls is supported by a long list of references.





**C. B. Utility Co. Inc.**

99 Tupelo Street  
Bristol, RI 02809

T. 401.253.9277  
F. 401.253.0450

## Background

RFP #7448088 – RIC Design-Build for  
Asbestos Cement Water Main Replacement and  
Water Booster Pump Stations  
State of Rhode Island

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C. B. Utility Co., Inc. is a full-service construction firm comprised of a Civil & Environmental Division and Natural Gas Division with an operating history dating back to 1948. Our company maintains a fleet of general and specialized equipment with a value in excess of \$5 million. CBU's main office is in Bristol, RI with satellite offices in Warwick, RI and New Haven, CT. Our current bonding capacity is \$75M, more than sufficient to cover this project, as well as our other new and on-going projects (bonding company letter attached). The company has never defaulted on a project.

CBU has an experienced 160 person labor force and in-house technical staff to ensure the successful completion of this project. Our company actively seeks to apply our technical and construction expertise into every project stage.

For this project, Ed O'Brien, Superintendent, will oversee construction operations and serve in an advisory role for Rhode Island College to assure expectations are met. Mr. O'Brien has 22 years of experience in water, wastewater, and natural gas utility construction.

Matthew Pion, will serve as Project Manager. Mr. Pion has 3 years of water and wastewater design/construction and management experience. He served as the site engineer and health and safety officer for the US Army Corp of Engineers Winhall Brook Campground Dump Station project in South Londonderry, Vermont.

**JOHN ANDRADE**  
INSURANCE AGENCY, INC.  
Since 1935

January 19, 2011

Re: C.B. Utility Co. Inc.  
99 Tupelo Street  
Bristol, RI 02809

To Whom It May Concern:

Our agency and the Hartford Insurance Company have been providing bonding for C.B. Utility Co. Inc. for over forty-five (45) years. C.B. Utility Co. Inc. is held in the highest esteem by the bonding company and they are prepared to support an aggregate work program of Seventy-five Million Dollars (\$75,000,000.) with a single job limit of Fifteen Million Dollars (\$15,000,000.) conditioned on continued financial strength.

The fact that a bond request has never been denied is a testimony to C.B. Utility Company's experience, capability, integrity, workmanship and overall strength.

The surety company is Hartford Fire Insurance Company and is listed on the Department of Treasury Listing of approved sureties.

Sincerely,

  
Donna Rodrigues, CIO  
Attorney-in-Fact





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**RICHARD M. HENCLER, P.E.**  
**PROJECT MANAGER**



**JAMES J. GEREMIA & ASSOCIATES, INC.**

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Education

University of Rhode Island, B.S.C.E. (1976)

Registered Engineer

Rhode Island (No. 4674)  
Massachusetts (No. 37976)  
Connecticut (No. 18646)

Professional Affiliation

American Society of Civil Engineers  
Providence Engineering Society

Experience Summary

Mr. Hencler is a Civil Engineer at James J. Geremia & Associates, Inc. Mr. Hencler's experience includes management of planning and design, permitting, and construction efforts on all types of water facilities, including water transmission mains and distribution, pumping facilities, storage facilities, and treatment facilities.

Richard has managed numerous multi-disciplined projects for private and municipal clients throughout the New England area.

**RELATED PROJECT EXPERIENCE**

**Water Booster Pump Station - North Smithfield, RI**

Provided design and construction administration services in the design of a 500 gpm water booster station to provide increased water pressure for the North Smithfield Industrial Park. The design included electrical and instrumentation controls, pumps, and 1,200 linear feet of transmission main. The location of the station required RIDEM Freshwater Wetlands and RI Historical & Heritage Commission approval.

**Tiogue Modified Service Area Pump Station - Kent County Water Authority**

Provided design and construction administration services for a new 400 gpm booster pump station which included electrical controls, HVAC, plumbing and SCADA controls. The pump station was designed in such a manner that during a power failure, a solenoid valve will be de-energized, allowing the control valve to open fully to allow backflow into the 334 gradient. When power is restored, the SCADA System will send a signal to close the valve initiating the pumps. The control logic is designed that if the suction pressure is 5 psi, or the tank level in the Tiogue Tank is 331, the SCADA System de-energizes a solenoid valve and the pumps are locked out. When the pressure is greater than 5 psi and the tank level is above 332, the SCADA System energizes the solenoid valve and a signal is sent to the pumps to turn on.

**Water Distribution System Improvements, Victory Highway - West Greenwich, RI**

Provided design services and SRF funding assistance in conjunction with the installation of 8,000 linear feet of new 8-inch water main. As part of the design, Mr. Hencler conducted a hydraulic analysis to identify the specific areas to improve the hydraulic capacity of the system during fire flow demands.

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**RICHARD M. HENCLER, P.E.**  
**PROJECT MANAGER**



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**JAMES J. GEREMIA & ASSOCIATES, INC.**

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**One Million Gallon Standpipe - Kent County Water Authority**

Evaluated KCWA's one million gallon standpipe (overall height of 52-ft. and 58-ft. diameter). The inspection and evaluation of the existing West Street standpipe consisted of the facilities and grounds to establish the prevailing conditions of the protective coatings along both the interior and exterior surfaces, the overall structural integrity of the standpipe, foundations, valve vault, associated appurtenances and the material needs for installation of SCADA control and monitoring equipment, along with the preparation of detailed repair/rehabilitation specifications, contract documents, permits and bidding services.

**Water Distribution System, Capital Improvement Projects - Kent County Water Authority**

Provided design and construction administration services in conjunction with their 1999, 2000, 2001, 2002, 2003, 2005, 2006 and 2007 Capital Improvement Projects. These services included approximately 170,200 linear feet of replacement water main which ranged in size from 10" to 20". These projects required the coordination between the cities of Warwick and Cranston and the Towns of West Warwick, Scituate and East Greenwich.

**Route 2 Water Distribution System Improvements East Greenwich, RI**

Provided design services in conjunction with the installation of 4,200 linear feet of new 16-inch water main. As part of the design, Mr. Hencler conducted a comprehensive hydraulic analysis to ensure sufficient capacity was present in the system during fire flow demands. This project involved coordination with Kent County Water Authority, City of Warwick, Town of West Warwick, and Rhode Island Department of Transportation-Federal Highway.

**North End Water Improvements - Narragansett, RI**

Provided design and construction administration services in connection with the installation of water meter chambers and pressure reducing valve chambers. Mr. Hencler conducted a hydraulic analysis on the North End's increased pressure system. The installation of the water meter chambers included coordination between the North Kingstown and Wakefield Water Departments.

**School Street Bridge Crossing - North Smithfield, RI**

Provided design and construction administration services in connection with the installation of 2,500 linear feet of 12-inch water transmission main, including a bridge crossing of the School Street Bridge (RIDOT Bridge 446). The pipeline serves an area of the Town where private wells were contaminated by a leaking underground fuel oil storage tank. The construction involved the continuous soil monitoring for petroleum hydrocarbon levels that was coordinated with the RIDEM - Underground Storage Tank (UST) Program. Permit applications were submitted and approvals issued by RIDEM, RIDOT, RIDOH and the Rhode Island Historical Preservation Commission.

**South End Water Storage Tank - Narragansett, RI**

Provided preliminary and final design services and construction administration services in connection with the installation of a one million gallon water storage tank located on an aesthetically-sensitive site near the Galilee coast line. In addition, this project included the design and installation of control valves, meter vault and demolition of an existing water tank. This project provided an even distribution of water storage throughout the south end and the daily cycling of the Kinney Avenue and the new Point Judith Road Water Storage Tanks.

**Massachusetts Water Resources Agency - Water Storage Tank (Woburn, Stoneham and Wakefield, MA)**

Provided design for a new six million gallon water storage tank which provided additional pressure and on-line storage for these communities. The work included a new pipe bridge to carry a 36" water main across Interstate 95/Route 128. Permit applications were submitted to the local Conservation Commissions, Army Corps of Engineers, Department of Environmental Protection, Department of Transportation, and the local Water and Public Works Departments.

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**C. B. Utility Co. Inc.**  
99 Tupelo Street  
Bristol, RI 02809

**James E. O'Brien**

**EDUCATION:**            **BRISTOL COMMUNITY COLLEGE**  
**Business and Marketing Program**  
Fall River, MA 02720

**Portsmouth, RI High School**

**5/88- Present C. B. UTILITY COMPANY, INC.**

**Bristol, RI**

***Civil & Environmental Division***  
***Superintendent, Estimator & Project Manager:***

Responsible for all aspects of various projects from the bidding process to the final completion including quantity take-off, cost estimate, subcontractor solicitation and review of quotation, completion of bid proposal, review of subcontracts, purchase of project materials, scheduling of construction activities, documentation of daily activities, preparation of monthly payment requisitions, preparation of contract claims and change order requests, day to day public relations, recording of project as-built information, coordination of crew activities, layout and line & grade.

Bristol County Annual Contract  
Bristol County Water Authority  
\$409,467

Long Wharf Force Main Repair Project  
Newport, RI  
\$10,225,163

Long Wharf Emergency Bypass  
Newport, RI - United Water LLC  
\$2,411,102

West Main Road, Sewer Rehabilitation  
Middletown, RI  
\$594,398

Ferry Road/Van Wickle Sewer Improvements  
Contract No. 661, Town of Bristol, RI  
\$226,635

Kent County CIP 7C, 7D & 8A  
Water Mains & Services  
Kent County Water Authority  
\$3,206,885

Roger Williams University – Sewer & Utility Work  
Roger Williams University, Bristol, RI  
\$1,873,035

Save the Bay Road, Providence, RI – Emergency Repair  
Bristol County Water Authority  
\$151,710

Design/Build Bike Path – Replacement of Sewer Force Main  
Town of Barrington, RI  
\$2,714,400

Wave Avenue Pump Station – 20" Force Main Replacement  
Middletown/Newport, RI, Town of Middletown, RI  
\$2,700,000

Narragansett Avenue Water Main Replacement  
Jamestown, RI, Town of Jamestown  
\$749,750

Hopkins Hill Sewer Extension  
Coventry, RI, Town of Coventry  
\$2,189,205

Upper Maisie Quinn Sewer Interceptor  
West Warwick, RI Sewer Commission  
\$ 2,148,000

Black Rock Road Area Water Transmission Mains  
(Coventry, Scituate)  
Kent County Water Authority  
\$ 4,758,000

Sewer System Improvements  
Town of Coventry, RI  
\$ 2,602,000

Year 2003 Infrastructure Improvements, Water System Main Replacement  
(Cranston, Coventry, West Warwick)  
Kent County Water Authority  
\$ 4,807,850

Year 2002 Infrastructure Improvements, Water System Main Replacement  
(Cranston, East Greenwich, West Warwick)  
Kent County Water Authority  
\$2,809,985

Year 2001 Infrastructure Improvements, Water System Main Replacement  
(Warwick, Coventry, East Greenwich, West Warwick)  
Kent County Water Authority  
\$3,639,406

Year 2000 Infrastructure Improvements, Water System Main Replacement  
(Warwick, Coventry, East Greenwich, West Warwick)  
Kent County Water Authority  
\$1,934,658

Year 2000 Water Distribution Improvements  
Pawtucket Water Supply Board  
\$2,534,269

Project 28 Technology Park Water Transmission Main  
(Coventry, East Greenwich, West Greenwich)  
Kent County Water Authority  
\$2,232,000  
22,000 LF 16"-20" water transmission main

East Bay Pipeline Contract No. 3A & 3B  
Bristol County Water Authority, Bristol, RI  
\$ 3,109,000

Contract 97-33 Water Mains & Appurtenant Work  
Town of Ledyard, CT  
\$900,000

West Main Street Interceptor & Pump Stations  
Contract No. 9 East Lyme, CT  
\$ 6,300,000  
10,625 l.f. of 12" to 18" PVC and Ductile iron gravity sewer, 6,100 l.f. of 10" to 16" watermain, 3 pump stations, 5,000 l.f. of 10" and 14" ductile forcemain, road construction.

Black Point Area Sewers & Pump Stations  
Contract No. 8 East Lyme, CT  
\$ 4,300,000  
35,000 l.f. of 8" PVC gravity sewer, 5,000 l.f. of 6" and 4" PVC force main, 3 pump stations.

**3/85 – 5/88**

**SIEGMUND & ASSOCIATES**

**Providence, RI**

**Resident Inspector:** Responsibilities included estimating, preparing and auditing construction records and payments, field inspection to ensure contractor's conformance to project documents, and provide the necessary coordination between contractor and owner.

Sanitary Sewer System, Contracts No.'s 5,7 and 9  
Town of Lincoln, Rhode Island  
\$ 4,700,000  
Gravity Sewer System

Kickemuit Sanitary Sewerage Pump Station and Force Main  
Town of Bristol, Rhode Island  
\$ 550,000  
Precast pump chamber and wet well. 2,500 l.f. of 6" PVC force main.

Water Distribution System and Storage Facility  
Town of Tiverton, Rhode Island  
\$ 1,750,000  
1 million gallon storage tank, 18,500 l.f. of 12" ductile iron water main

**4/82 – 3/85**

**H. L. HENDLE & ASSOCIATES  
Mechanical Contractors**

**Cranston, RI**

**Plumbers Apprentice:** Responsibilities included assisting licensed plumber in large-scale industrial and municipal water supply and sanitary sewerage projects.







**C. B. Utility Co. Inc.**

99 Tupelo Street  
Bristol, RI 02809

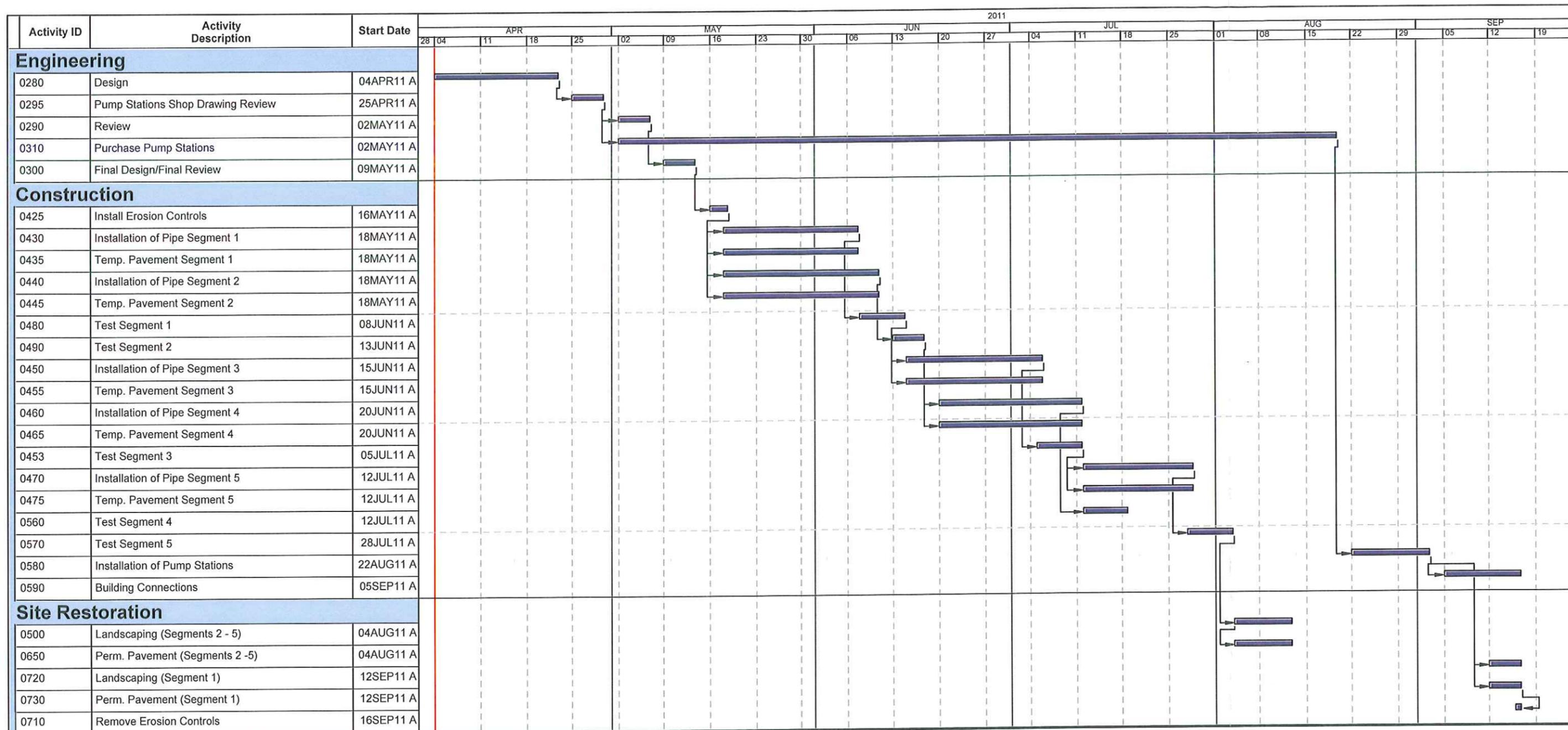
T. 401.253.9277  
F. 401.253.0450

# Project Approach

RFP #7448088 – RIC Design-Build for  
Asbestos Cement Water Main Replacement and  
Water Booster Pump Stations  
State of Rhode Island

- 
- Identify Needs and Concerns: Meet with project stakeholders
    - *Rhode Island College, Providence Water, Engineering & other appropriate departments*
    - *Regulatory authorities (RIDEM, RIDOT, etc.)*
    - *Public Safety: Fire, Police & RIC Police*
    - *Campus Utilities: Electric, Gas, Water (Dig Safe shall be responsible for marking out utilities in public areas only and RIC (or their contractor) shall be responsible for the remaining utility areas that are not covered by Dig Safe)*
  - Review Existing Conditions
    - *Review utility and existing campus plans*
    - *Verify existing water mains and other utilities with test pits*
  - Design
    - *Hydraulic Model*
    - *Fire Flow Demand*
    - *Booster Pump Station*
    - *Emergency Generator*
    - *Electrical Supply*
  - Permitting
  - Submittals Process
    - *Construction schedule*
    - *Shop drawings*
    - *Traffic Plan*
    - *Safety Plan*
  - Construction Phase
    - *Implement Traffic Plan*
    - *Implement Safety Plan*
    - *Install erosion controls*
    - *Install temporary water mains*
    - *Install water mains*
    - *Test water mains*
    - *Install temporary roads*
    - *Removal and disposal of existing asbestos cement pipe*
    - *Removal of ledge and boulders*
    - *Install booster pump stations*
    - *Install emergency generator*
    - *As-Builts*
    - *Surface restoration*
    - *Remove erosion controls*
-





\*If CBUC is delayed at any time in the commencement or progress of the work on this project by any cause beyond the control of the CBUC, then CBUC shall be entitled to an equitable extension of the Contract Time. Examples of causes beyond the control of CBUC include, but are not limited to, the following: acts or omissions of the OWNER or Others; changes in the Work or the sequencing of the Work ordered by the OWNER, or arising from decisions of the OWNER that impact the time of performance of the Work; lack of or untimely decisions by the OWNER, transportation delays not reasonably foreseeable; labor disputes not involving CBUC; general labor disputes impacting the Project but not specifically related to the Worksite; acts of God, fire; terrorism, epidemics, adverse governmental actions, unavoidable accidents or circumstances; adverse weather conditions; encountering Hazardous Materials; concealed or unknown conditions.

Start date 04APR11  
 Finish date 04APR11  
 Must finish date 31AUG11  
 Run date 24JAN11  
 Page number 1A  
 © Primavera Systems, Inc.

RFP #7448088 - RIC DESIGN-BUILD  
 FOR ASBESTOS CEMENT  
 WATER MAIN REPLACEMENT & WATER BOOSTER PUMP STATION

SCHEDULE  
 24 JAN 11

- Early bar
- Progress bar
- Critical bar
- Summary bar
- Progress point
- Critical point
- Summary point
- Start milestone point
- Finish milestone point

**LIST OF EXPERIENCE FOR PAST FIVE YEARS**

CLIENT	HYDRAULIC ANALYSIS	NEW STORAGE FACILITY	WATER TREATMENT	BOOSTER PUMPING STATION	WATER MAIN DESIGN & CONSTRUCTION	MASTER PLAN	MISCELLANEOUS
Kent County Water Authority		One (1) 1 MGD and one (1) 1.5 MGD Water Storage Tank		KCWA & Providence WSB Oaklawn Ave. Meter Pit Tiogue PRV Chamber	257,000 l.f. Water Main Replacement		Upgrade SCADA Sys. Cleaning & Lining
Town of Narragansett	Hydraulic Analysis of System	750,000 Gal.		Installation of Metering Station Pressure Reducing Zones		2006 Water Supply System Mgt. Plan	
Town of South Kingstown						2006 Water Supply System Mgt. Plan	
Town of East Greenwich					4,200 l.f. Water Main Replacement		
Town of West Greenwich					8,000 l.f. Water Main Replacement		
Town of North Smithfield				500 GPM Booster Pump Station	10,000 l.f. Water Main Replacement		
City of Newport						Water Supply System Mgt. Plan	
Town of Westerly						Water Supply System Mgt. Plan	
City of Warwick Water Division					6,500 l.f. Water Main Replacement		
State of RI Mental Health Fac.	3-Year Contract Update Hydraulic Model				5-Year Infr. Capital Improvement Plan	Development of System's Master Plan	
Town of New Shoreham	Hydraulic Modeling of Entire System	155,000 Gal.	100 gpm Surface Water Treatment 25 gpm Membrane Filtration Sys. 200 gpm Membrane Filtration Sys.		16,000 l.f. Water Line	Development of System's Master Plan	Water Treatment Plant Effluent Discharge
RI Economic Development Corp.					2,500 l.f. Water Main Replacement		



## RELEVANT EXPERIENCE WATER SUPPLY, TREATMENT, STORAGE AND DISTRIBUTION SYSTEMS

### *KENT COUNTY WATER AUTHORITY*

1999 Capital Improvement Project  
2000 Capital Improvement Project  
2001 Capital Improvement Project  
2002 Capital Improvement Project  
2003 Capital Improvement Project  
2005 Capital Improvement Project  
2006 Capital Improvement Project  
2007 Capital Improvement Project  
2009 Capital Improvement Project  
2010 Capital Improvement Project  
Mishnock Transmission Main

JGA provided design services, construction administration services, and resident observation services in conjunction with their 1999, 2000, 2001, 2002, 2003, 2005, 2006, 2007, 2009 and 2010 Capital Improvement Projects and the Mishnock Transmission Main. JGA designed approximately 49 miles of replacement water main.

The projects required the coordination between the cities of Warwick and Cranston and the Towns of West Warwick, Scituate and East Greenwich.

JGA provided engineering services for the construction of a new 1.5 million gallon concrete water storage tank for the Kent County Water Authority. Services included construction administration and full-time resident inspection services related to the construction of a 1.5 million gallon concrete water storage reservoir and consisted of general construction including foundation, tank superstructure, pre-packaged altitude valve vault, site work, excavation, reinforcing, concrete work, disinfection, testing, and general mechanical and appurtenant work.

#### **One Million Gallon Standpipe**

JGA inspected and evaluated KCWA's one million gallon standpipe (overall height of 52-ft. and 58-ft. diameter). The inspection and evaluation of the existing West Street standpipe consisted of the facilities and grounds to establish the prevailing conditions of the protective coatings along both the interior and exterior surfaces, the overall structural integrity of the standpipe, foundations, valve vault, associated appurtenances and the material needs for installation of SCADA control and monitoring equipment, along with the preparation of detailed repair/rehabilitation specifications, contract documents, permits and bidding services.

#### **1.5 MG Read Schoolhouse Tank**

JGA provided engineering services for the construction of a new 1.5 million gallon concrete water storage tank for the Kent County Water Authority. Services include construction administration and full-time

resident inspection services relating to the construction of a 1.5 million gallon concrete water storage reservoir and consisted of general construction, including foundation, tank superstructure, pre-packaged altitude valve vault, site work, excavation, reinforcing, concrete work, disinfection, testing, and general mechanical and appurtenant work.

### **SCADA Modifications**

*West Street Tank:* JGA designed a new control panel (RTU) containing an Allen-Bradley SLC 5/04 to allow future conversion of the entire network to Ethernet processor and the necessary I/O modules to monitor a new pressure/level transmitter, replacing the existing BIF device.

*Clinton Avenue Pump Station:* JGA designed a new remote telemetry unit (RTU) containing an Allen-Bradley SLC 5/04 to allow future conversion of the entire network to Ethernet processor and the necessary I/O modules to monitor and control the three pumps and other existing alarm/status points. Provided an Operator Interface Terminal (OIT) in the door of the RTU to allow operators to control the pumps locally.

*Oaklawn Wholesale Metering:* JGA designed a new prefabricated underground water meter station located on Oaklawn Avenue, adjacent to Citizens Bank, including a telemetry system.

### **Tiogue Modified Service Area Pump Station**

JGA provided design and construction administration services for a new 400 gpm booster pump station which included instrumentation, electrical controls, HVAC, plumbing and SCADA controls. The pump station was designed in such a manner that during a power failure, a solenoid valve will be de-energized, allowing the control valve to open fully to allow backflow into the 334 gradient. When power is restored, the SCADA System will send a signal to close the valve initiating the pumps. The control logic is designed that if the suction pressure is 5 psi, or the tank level in the Tiogue Tank is 331, the SCADA System de-energizes a solenoid valve and the pumps are locked out. When the pressure is greater than 5 psi and the tank level is above 332, the SCADA System energizes the solenoid valve and a signal is sent to the pumps to turn on.

### **NEW SHOREHAM, RI**

#### **Water Supply Management Committee**

JGA is the Consultant for the Block Island Water Company. As such, JGA is involved in the development of an expanded water supply for the Island community. Tasks involved in accomplishing this goal include groundwater investigations, booster station, system analysis chlorine requirement and design, and coordination with Rhode Island Board of Health. JGA has designed and provided construction administration services for a water filtration facility, water storage tank and water mains. In conjunction with the start-up assistance with the new water filtration facility, JGA has conducted a comprehensive performance evaluation of the existing facilities. This report assessed the unit treatment process capabilities and impact of the operating, maintenance and administrative practices on the optimal performance of the plant.

### **Water Distribution System Improvements**

#### **Ocean & Beach Aves./Chapel & Dodge St. Water Main Installation**

#### **High, Water and Dodge St. Water Main Installation**

JGA provided design, construction administration and resident engineering services in conjunction with the installation of 10,000 linear feet of new 8-inch water main. As part of the design, JGA conducted a comprehensive hydraulic analysis to identify the specific areas to improve the hydraulic capacity of the system during fire flow demands. Along with the design, JGA was responsible for CRMC and Wetland permitting for this project.

### **Water Storage Tank and Filtration Facility**

JGA provided design services, construction administration services and resident observation services in connection with the installation of a 155,000 gallon water storage tank and the upgrade and expansion of the New Shoreham Water Filtration Facility. The site is located adjacent to Sands Pond requiring wetland delineation and subsequently the submission to RIDEM - Wetlands Division of a Preliminary Site Determination application. RIDEM approval was issued.

### **Block Island Water Environmental Impact Statement for Alternative Water Supply**

The Environmental Impact Statement (EIS) was to address the impacts related to a proposed Action (i.e., withdrawal of water from Fresh Pond in order to supplement the water supply needs of the Town of New Shoreham. The EIS also evaluated and analyzed other alternatives in a comparative manner that might also meet the needs of the Town in meeting its obligation to provide for an adequate water supply. The document presented the information and issues in a clear manner so that the decision makers of the Town of New Shoreham could ultimately choose either the "Preferred Alternative" or another option to meet its needs.

The alternatives evaluated were: Fresh Pond Reservoir (freshwater body), Desalinization, Existing Wellfield Rehabilitation, New Wellfields.

### **Design of Reverse Osmosis (Desalinization) Water Treatment**

JGA was retained by New Shoreham (Block Island), Rhode Island to investigate the use of reverse osmosis (RO) as a treatment process for a new alternative water supply source to provide 200,000 GPD in case of emergency. The proposed water supply originated from a groundwater well approximately 180 feet deep (140 feet below sea level) and approximately 400 feet from the ocean. Because of the well's depth and location, it was anticipated that continuous pumping will slowly increase salinity in the water. The design for Total Dissolved Solids (TDS) was well below 5,000 mg/l and the iron content of the well is about 10 mg/l, a typical value for that locale due to the geology of the island.

The design goal was to utilize reverse osmosis to remove the iron content and saline content from the ground water.

### **Desalinization Facility**

JGA designed a 40,000 gpd Reverse Osmosis (desalinization) facility for the Town. The plant treats water from the wellfields that have high iron and total dissolved solids concentrations.

#### **Well Development for the Desalinization Process**

The initial objective of this project was to establish an alternative water supply source, one which can fully supplement the Sands Pond surface water and groundwater supplies. The purpose of the new alternative is to provide emergency relief to the water system should water shortages or other difficulties, such as algae blooms or mechanical failure, occur at Sands Pond.

JGA explored the possibility of establishing another groundwater source. The proposed location was situated on approximately thirteen acres of preserved land owned by the Block Island Land Trust and adjacent to the Town's Wastewater Pollution Control Facility.

The well was drilled in October 1997. In order to conduct a drawdown test, five monitoring wells were also drilled.

The well is a 6-inch diameter, Schedule 80, PVC well with forty-feet of screen with a slot size of 0.40. The screening started at a depth of 137 feet below grade and was 40-feet long. The first 113 feet of drilling was through clay. The remaining depth was a mixture of silt and sand, approximately 60-feet deep, one of the largest such layers on the island.

From October 30, 1997 to February 23, 1998, a total of 9,566,700 gallons were continuously pumped from the well (an average rate of 57 GPM) to observe the change of water quality over time.

After the initial well pump, five monitoring wells were installed to examine a well drawdown. In summary, the report states that the aquifer had a high hydrologic conductivity and was able to provide 150 GPM for twelve weeks to meet an emergency summertime demand. Furthermore, pumping will not impact existing private wells.

#### ***WESTERLY, RI***

##### **Water Supply System Management Plan**

JGA updated the Town's Water Supply System Management Plan in accordance with the Water Resource Board. The Town of Westerly (virtually all occupied structures [residential, commercial and industrial]) is serviced by a public water system for drinking water and/or any other potable water needs (i.e., process water for industries). The Westerly Water System is owned by the Town and operated by the Water Division under the Town's Public Works Department. Retail water service is provided to most of the Town and a small portion of the Town of Stonington, CT.

#### ***EAST GREENWICH, RI***

##### **Route 2 Water Distribution System Improvements**

JGA provided design services in conjunction with the installation of 4,200 linear feet of new 16-inch water main.

As part of the design, JGA conducted a comprehensive hydraulic analysis to ensure sufficient capacity was present in the system during fire flow demands. This project involved coordination with Kent County Water Authority, City of Warwick, Town of West Warwick, and Rhode Island Department of Transportation-Federal Highway.

### ***WEST GREENWICH, RI***

#### **Water Distribution System Improvements Victory Highway**

JGA provided design services in conjunction with the installation of 8,000 linear feet of new 8-inch water main. As part of the design, JGA conducted a comprehensive hydraulic analysis to identify the specific areas to improve the hydraulic capacity of the system during fire flow demands. Along with the design, JGA assisted the Town in SRF funding.

### ***RHODE ISLAND ECONOMIC DEVELOPMENT CORP.***

#### **North Kingstown, RI**

JGA provided design services in connection with the replacement of a 6-inch AC water main with a new 10-inch water main. The design involved trenchless technology with pipe bursting and directional drilling. This technology was employed to avoid the contamination present in the soil and groundwater on the adjoining Navy properties.

### ***WARWICK, RI***

#### **Water Distribution System Improvements**

JGA provided design services for approximately 3,500 linear feet of water main improvements. These improvements were coordinated with the ongoing sewer projects that were undertaken by the Warwick Sewer Authority.

### ***NORTH SMITHFIELD, RI***

#### **School Street Bridge Crossing**

JGA provided preliminary and final design services, construction administration services and resident observation services in connection with the installation of 2,500 linear feet of 12-inch water transmission main, including a bridge crossing of the School Street Bridge (RIDOT Bridge 446). The pipeline serves an area of the Town where private wells were contaminated by a leaking underground fuel oil storage tank. The construction involved the continuous soil monitoring for petroleum hydrocarbon levels that was coordinated with the RIDEM - Underground Storage Tank (UST) Program. Permit applications were submitted and approvals issued by RIDEM, RIDOT, RIDOH and the Rhode Island Historical Preservation Commission.

#### **Water Booster Station**

The North Smithfield Water Improvement Project connected the Slatersville Water Supply System to that of the North Smithfield Industrial Park Water Supply System. The design of 1,200 linear feet of water transmission main consisted of the oldest Stone Arch Bridge in the State of Rhode Island. The water booster station has a capacity of 500 gpm to provide water to the Industrial Park via booster pumps and to provide water to Slatersville via a control valve. The water booster station is located within the 200 foot wetland buffer setbacks of the Branch River and the Historical District. A floodplain compensation area was constructed adjacent to the booster station to offset the disturbance of the 100-year floodplain. The design was coordinated with the Town, Rhode Island Departments of Environmental Management, Health and Transportation, and the Blackstone Historical Preservation Commissions and the North Smithfield Industrial Park. The design was accepted by all the agencies and approvals were issued. The station has a Data Acquisition System that provides the Town with the capabilities to monitor all of their well pump station's alarm functions as well as allowing personnel to operate each of the pumps at the water booster station and from Town Hall via a computer. Construction administration and observation services were provided.

### ***NEWPORT, RI***

#### **Water Supply System Management Plan**

JGA updated the City's Water Supply System Management Plan in accordance with the Water Resource Board. The City of Newport (virtually all occupied structures [residential, commercial and industrial]) is serviced by a public water system for drinking water and/or any other potable water needs (i.e., process water for industries). The Newport Water System is owned by the City of Newport and operated by the Water Division under the City's Public Works Department. The Water Division is under control of the State Public Utilities Commission which governs division operations and the setting of rates. Retail water service is provided to the entire City, most of the Town of Middletown, and a small part of Portsmouth. Wholesale water is supplied to Portsmouth Water and Fire District and the U.S. Navy Base. All water sources are surface water tributary watershed areas existing in Tiverton, Little Compton, Portsmouth and Middletown.

### ***COVENTRY/WEST GREENWICH, RI***

#### **Big River Water Supply Project**

Staff members of JGA provided design development, final plans, specifications, and construction administration services on this project. This project for the R.I. Water Resources Board included the design of a 2,200 foot long by 70 foot high zoned embankment dam, spillway and outlet works impounding 29 billion gallons of water and a 96 inch diameter, 7 mile long transmission rock tunnel 300' deep to convey water to the Providence Water Supply Board's "102" supplemental tunnel and aqueduct system serving the greater metropolitan Providence Area. In addition, the project included complete hydrologic and hydraulic computer simulations including roadway relocations, retrofitting of existing drainage systems and new holding basins for the control of runoff and hazardous material spills. This project augments the Scituate Water Treatment Plant supply. Coordination with the Rhode Island Resources Board Historical Commission, the Department of Environmental Management, Department of Transportation, Army Corps. of Engineers, Providence Water Supply Board and local officials was maintained throughout the project's duration.

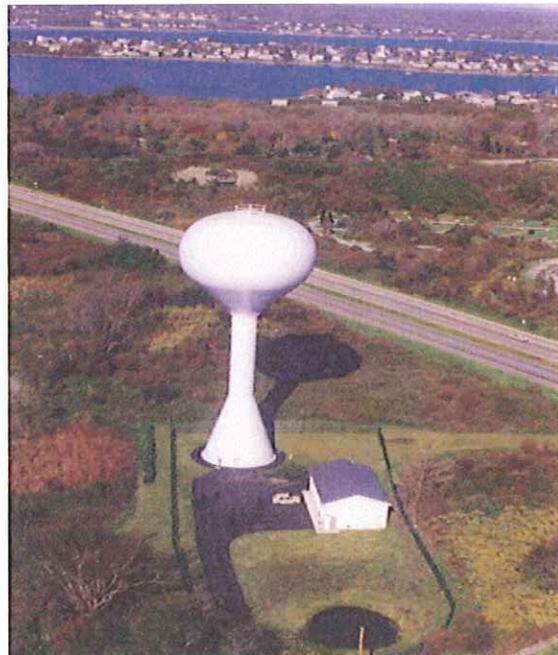
## **NARRAGANSETT, RI**

### **Water Supply System Management Plan**

JGA updated the Town's Water Supply System Management Plan in accordance with the Water Resource Board. The Town of Narragansett (virtually all occupied structures [residential, commercial and industrial]) is serviced by a public water system for drinking water and/or any other potable water needs. The Narragansett water infrastructure is owned by the Town and operated by the Water Division under the Town Engineering Department. The Town purchases its water from the Town of North Kingstown or United Water. JGA required coordination with these communities.

### **South End Water Storage Tank**

JGA provided preliminary and final design services, construction administration services and resident observation services in connection with the installation of a one million gallon water storage tank located on an aesthetically sensitive site near the Galilee coast line. In addition, this project included the design and installation of control valves, meter vault and demolition of an existing water tank. This project provided an even distribution of water storage throughout the south end and the daily cycling of the Kinney Avenue and the New Point Judith Road Water Storage Tanks. The fill and draw pipeline was connected to existing water pipes on Point Judith Road and Galilee Escape Road which are under the jurisdiction of the RIDOT. The tank is also within the CRMC jurisdiction. Applications were submitted to both agencies and approvals were issued.



### **North End Water Improvements**

JGA provided Construction Administration and Resident Observation services in connection with the installation of water meter chambers and pressure reducing valve chambers. A computerized hydraulic analysis was performed on the North End's increased pressure system. The installation of the water meter chambers included coordination between the North Kingstown and Wakefield Water Departments.

### **Chlorine Injection & Analyzer System**

JGA has provided design, permitting and construction administration services in connection with the installation of three (3) Chlorine Injection & Analyzer Systems at the following metering locations:

- North Kingstown Town Line
- West Bay Drive

- 108 Point Judith Road

Each of these locations represent the wholesale supply location for the Town of North Kingstown and United Water of Rhode Island.

The systems were designed to provide a fully automated system with the ability to flow-pace the chlorine injection and monitor the residual. All equipment was designed to be located in an enclosure located outside the meter pit and above ground. The enclosures were sized to contain the controls, pumps and chemical storage.

#### **WOBURN, STONEHAM, WAKEFIELD, MA** **Water Distribution System Improvements**

Staff members of JGA provided preliminary and final design services including the production of plans, specifications, and construction services for this project.

Water system improvements included design of 24,000 linear feet of 36", 24", and 20" water transmission main and a new storage tank. The new water supply main connected the MWRA to Woburn, Stoneham, Wakefield, and Winchester. A new six million gallon water storage tank provided additional pressure and on-line storage for these communities. Work included a new pipe bridge to carry a 36" water main across Interstate 95/Route 128. Permit applications were submitted to the Local Conservation Commissions, Army Corps. of Engineers, the Department of Environmental Protection and the Department of Transportation and the local Water and Public Works Departments. The Permit applications were confirmed and approvals were issued by each of the local, State and Federal agencies.

#### **BEVERLY, MA**

##### **Water Storage & Water Booster Station**

Staff members of JGA provided preliminary and final design services including the production of plans, specifications and construction services for this project.

Water system improvements included design of an 8,400 gpm Booster Pump Station and a new 6.3 million gallon water storage tank which provided additional pressure and on-line storage for the Town of Beverly. Work included site development, removal of the old storage facility, FAA permitting and instrumentation control logic.

#### **STATE OF RHODE ISLAND**

##### **Department of Mental Health, Retardation and Hospitals** **Cranston, RI**

JGA was contracted for a three-year period to maintain the MHRH's computerized hydraulic model of the Water Distribution System at the Howard Center in Cranston, RI.

## ***SOUTH KINGSTOWN***

### **Water Supply System Management Plan**

JGA updated the Town's Water Supply System Management Plan in accordance with the Water Resource Board. The Town of South Kingstown (virtually all occupied structures [residential, commercial and industrial]) is serviced by a public water system for drinking water and/or any other potable water needs. The South Kingstown water infrastructure is owned by the Town and operated by the Water Division under the Town's Public Works Department. The Town purchases its water from United Water.

## ***RHODE ISLAND TURNPIKE & BRIDGE AUTHORITY***

JGA provided the design and construction services in connecting the Authority's facilities to the Town of Jamestown's water system. The design involved directional drilling under Route 138 adjacent to the Newport Bridge Toll Plaza. This technology was employed to avoid traffic interruption at the Toll Plaza.





## Water Supply, Treatment, Storage and Distribution

- Kent South End Water Storage Tank - Narragansett, RI
- School Street Water System Improvements - North Smithfield, RI
- Water Treatment System Improvements - New Shoreham, RI
- Water Storage Tank and Filtration Facility - New Shoreham, RI
- 10,000 linear feet of Infrastructure Upgrades - New Shoreham, RI
- Water Booster Station - North Smithfield, RI
- Pressure Reducing Stations and Meter Pits - Narragansett, RI
- 10,000 linear feet Infrastructure Upgrade (1999) - Kent County Water Authority
- 15,000 linear feet Infrastructure Upgrade (2000) - Kent County Water Authority
- 31,000 linear feet Infrastructure Upgrade (2001) - Kent County Water Authority
- 20,000 linear feet Infrastructure Upgrade (2002) - Kent County Water Authority
- 38,000 linear feet Infrastructure Upgrade (2003) - Kent County Water Authority
- 13,700 linear feet Infrastructure Upgrade (2005) - Kent County Water Authority
- 24,100 linear feet Infrastructure Upgrade (2006) - Kent County Water Authority
- 18,400 linear feet Infrastructure Upgrade (2007) - Kent County Water Authority
- 45,000 linear feet Infrastructure Upgrade (2009) - Kent County Water Authority
- 30,000 linear feet Infrastructure Upgrade (2010) - Kent County Water Authority
- 12,000 linear feet (Mishnock Transmission Main) - Kent County Water Authority
- 1.5 MG Concrete Water Storage Tank - Kent County Water Authority
- 4,000 linear feet Infrastructure Upgrade - Warwick, RI
- Water Storage Tank Modification - Kent County Water Authority
- SCADA Modifications - Kent County Water Authority
- Water Supply Master Planning - New Shoreham, RI
- Water Supply Master Planning - State of Rhode Island
- Oaklawn Avenue Meter Pit - Kent County Water Authority
- Hydraulic Modeling - State of Rhode Island, Howard Medical Complex
- Water System Supply Management Plan - Narragansett, RI (2001 and 2006)
- Water System Supply Management Plan - Newport, RI
- Water System Supply Management Plan - Westerly, RI
- 8,000 linear feet of infrastructure Upgrades - West Greenwich, RI
- Chlorine Injection & Analyzer System - Narragansett, RI



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## REFERENCES

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### **KENT COUNTY WATER AUTHORITY**

Mr. Timothy J. Brown, P.E.  
General Manager/Chief Engineer  
Kent County Water Authority  
P.O. Box 192  
West Warwick, RI 02893-0192  
Telephone No.: (401) 821-9300

### **TOWN OF NEW SHOREHAM, RI**

Ms. Nancy O. Dodge  
Town Manager  
Town Hall  
P.O. Drawer 220  
Block Island, RI 02807  
Telephone No.: (401) 466-3210

### **TOWN OF SOUTH KINGSTOWN**

Mr. Jon R. Schock  
Public Services Director  
Town of South Kingstown  
P.O. Box 31  
Wakefield, RI 02880-0031  
Telephone No.: (401) 789-9331

### **TOWN OF NARRAGANSETT, RI**

Mr. Jeffry Ceasrine, P.E.  
Town Engineer  
Town Hall  
Fifth Street  
Narragansett, RI 02882  
Telephone No.: (401) 789-1044

### **TOWN OF WEST WARWICK**

Mr. Peter D. Eldridge  
Superintendent  
Water Pollution Control Facilities  
One Pontiac Avenue  
West Warwick, RI 02893  
Telephone No.: (401) 822-9228

### **WARWICK SEWER AUTHORITY**

Ms. Janine L. Burke  
Executive Director  
Warwick Sewer Authority  
125 Arthur W. Devine Blvd.  
Warwick, RI 02886  
Telephone No.: (401) 468-4724

### **TOWN OF NORTH SMITHFIELD**

Ms. Paulette D. Hamilton  
Town Administrator  
Memorial Town Building  
P.O. Box 248  
Slatersville, RI 02876  
Telephone No.: (401) 767-2202





C. B. Utility Co. Inc.  
 99 Tupelo Street  
 Bristol, RI 02809

# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
Replacement of Waterlines Across West Natick Bridge	Warwick, RI	City of Warwick, RI Water Division	Crossman Engineering	Mr. James E. Feeney III Coordinator 935 Sandy Lane Warwick, RI 02889 (401) 738-2000 EXT. 6613	Project Water Division	\$192,500.00	10/10 to 0%
Storm Drainage System Bangor to Gortons Pond	Warwick, RI	City of Warwick, RI Water Division	Crossman Engineering	Mr. James E. Feeney III Coordinator 935 Sandy Lane Warwick, RI 02889 (401) 738-2000 EXT. 6613	Project Water Division	\$640,362.84	10/10 to 5%
Farmington Avenue Water Main/Drain Stub Project 1A	Hartford, CT	The Metropolitan District Commission	Tighe & Bond	Mr. Neil Amwake, PE The Metropolitan District Main Street CT 06114	555 Hartford,	\$2,839,105.00	10/10 to 0%
Newport Navy Housing Natural Gas Leak Repair Subcontractor	Middletown/Newport, RI	NAVFAC	NAVFAC	Mr. Keith Sylvestre KEI Construction Services 1225 N. King Street, Suite #300 Wilmington, DE 19801 302-984-0815 FAX 302-984-0831		\$54,000.00	9/09 to 10/09 100%
Bristol County Water Authority Annual Contract	East Bay, RI	BRISTOL COUNTY WATER AUTHORITY	Bristol County Water Authority	Bristol County Water Authority Child Street Warren, RI 02885 401-245-2033 FAX 401-245-2004		\$117,309.96	8/09 to 8/10 100%
MDC Tower Avenue Area North Sewer Separation	Hartford, CT	The Metropolitan District Commission	CDM	Mr. Jim Eschert, PE Site Construction Manager Metropolitan District Commission 125 Maxim Road Hartford, CT 06114 860-278-7850 EXT. 3742		\$8,202,650.00	5/09 to 63%
Long Wharf Force Main Repair Project	Newport, RI	City of Newport, RI	Wright-Pierce	Julia Forgue City of Newport Director of Utilities 70 Halsey Street Newport, RI 02840 401-845-5600		\$10,225,163.00	06/09 to 10/10 100%



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# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
Long Wharf Emergency Bypass	Newport, RI	City of Newport, RI	United Water LLC	Mr. James Lauzon United Water LLC 250 Connell Hwy Newport, RI 02840	\$2,411,102.54	4/09 to 5/09	100%
MDC Emergency Bypas	Hartford, CT	The Metropolitan District Commission	The MDC	Mr. Jeffrey S. Rea The Metropolitan District 125 Maxim Road Hartford, CT 06114	\$18,000.00	4/09	100%
BRISTOL TOWN BEACH DRAINAGE	BRISTOL, RI	Town of Bristol, RI	BETA GROUP INC.	MR. CHRISTOPHER CRONIN, PE 6 BLACKSTOWN VALLEY PLACE LINCOLN, RI 02865 TEL. (401) 333-2382	\$54,982.00	11/08 to 6/09	100%
PROVIDENCE HOME DEPOT #4285	387 Charles Street Providence, RI	R. L Spencer	WESTON & SAMPSON	R L Spencer 4500 Pewter Lane, Building #7 Manlius, NY 13104	\$131,500.00	11/08	100%
WARREN BRIDGE #124 WATER MAIN, BRIDGE CROSSING - Subcontractor	WARREN, RI	STATE OF RHODE ISLAND		Mr. Chip Mainelli AETNA BRIDGE 30 Lockbridge Street Providence, RI 02860 401-728-0400 FAX 401-728-0189	\$111,931.00	10/08 to 11/08	100%
WEST MAIN ROAD, SEWER REHABILITATION	MIDDLETOWN, RI	TOWN OF MIDDLETOWN, RI	O. Ahlborge	WARREN HALL, PE Town of Middletown 350 East Main Road Middletown, RI 02842 401-846-2119	\$594,398.00	9/08 to	100%



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# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
FERRY ROAD/VAN WICKLE SEWER IMPROVEMENTS CONTRACT NO. 661	BRISTOL, RI	TOWN OF BRISTOL, RI	BETA GROUP INC.	MR. CHRISTOPHER CRONIN, PE 6 BLACKSTOWN VALLEY PLACE LINCOLN, RI 02865 TEL. (401) 333-2382	\$226,635.55	7/08 to 7/09	100%
ROGER WILLIAMS UNIVERSITY - ACADEMIC BUILDING - Subcontractor	BRISTOL, RI	ROGER WILLIAMS UNIVERSITY	SHAWMUT DESIGN & CONSTRUCTION	MR. MICHAEL KEARNS SHAWMJUT DESIGN AND CONSTRUCTION 3 DAVOL SQUARE, SUITE A275 PROVIDENCE, RI 02903 TEL: 401- 752-6500 FAX: 617.622.8514	\$671,590.00	5/08 to 8/09	100%
BULLOCKS COVE GRAVITY SEWER EMERGENCY WORK	EAST PROVIDENCE, RI	CITY OF EAST PROVIDENCE, RI		Mr. Erik Skadberg City of East Providence 145 Taunton Avenue East Providence, RI 09214 401-435-7701 FAX 401-435-7717	\$661,259.35	4/7/08 to 5/30/08	100%
KENT COUNTY CIP 7C, 7D & 8A - WATER MAINS & SERVICES	COVENTRY, RI	KENT COUNTY WATER AUTHORITY	Garofalo & Associates	Mr. Dwight Bouillard/Mr. Matt Cote Garofalo & Associates 85 Corliss Street Providence, RI 02940 401-273-6000 401-273-1000	\$3,206,885.00	5/08 to	100%
ROGER WILLIAMS UNIVERSITY - SEWER & UTILITY WORK	BRISTOL, RI	ROGER WILLIAMS UNIVERSITY		Mr. Stephen Terrien Capital Projects Manager Roger Williams University One Old Ferry Road Bristol, RI 02809 401-254-3132	\$1,873,035.82	3/08 to 9/09	100%
SMITH COVE EMERGENCY SEWER FORCE MAIN REPAIR	WATERFORD, CT	CITY OF WATERFORD, CT	Wright-Pierce	Mr. Neftali Soto, PE Chief Engineer - Utility Commission 1000 Hartford Road Waterford, CT 06385 (860) 444-5886 (860) 442- 9037 - fax	\$624,004.25	8/21/07 to 10/10/07	100%



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PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
SAVE THE BAY ROAD, EMERGENCY WATER REPAIR	PROVIDENCE, RI	BRISTOL COUNTY WATER AUTHORITY		Bristol County Water Authority Child Street Warren, RI 02885 401-245-2033 FAX 401-245-2004	\$151,710.83	7/13/07 to 10/25/07	100%
VETERAN'S MEMORIAL PARKWAY EMERGENCY SEWER FORCE MAIN REPAIR - Watchemoket PS	EAST PROVIDENCE, RI	CITY OF EAST PROVIDENCE, RI		Mr. Erik Skadberg City of East Providence 145 Taunton Avenue East Providence, RI 09214 401-435-7701 FAX 401-435-7717	\$144,592.85	7/10/07 to 8/30/07	100%
ROUTE 95, EXIT 25A EMERGENCY BYPASS	PAWTUCKET, RI	NARRAGANSETT BAY COMMISSION		Mr. Mark Thomas Narrragansett Bay Commission 102 Campbell Avenue East Providence, RI 02916 (401) 434-6350 x120 FAX (401) 222-2807	\$121,618.05	6/11/07 to 6/28/07	100%
KCWA CIP 2006A INFRASTRUCTURE IMPROVEMENTS WATER MAIN REPLACEMENT	COVENTRY & WEST WARWICK, RI	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$6,669,740.00	4/07 to 3/09	100%
DESIGN/BUILD BIKE PATH REPLACEMENT OF SEWER FORCE MAIN	BARRINGTON, RI	TOWN OF BARRINGTON	J.J. GEREMIA	Mr. Alan Corvi, PE Town of Barrington 84 Upland Way Barrington, RI 02806 401-247-1907	\$2,714,400.47	9/07 to 11/08	100%
WAVE AVENUE PUMP STATION 20" FORCE MAIN REPLACEMENT	MIDDLETOWN, RI	TOWN OF MIDDLETOWN, RI	C&E ENGINEERING PARTNERS	MR. RUSSELL HOUDE, PE PARK AVENUE WOONSOCKET RI TEL. (401) 762-1711 FAX (401) 235-9088	342 \$2,700,000.00	11/06	100%



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# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
Town of Bristol, RI Sewer System Improvements Contract #617	BRISTOL, RI	TOWN OF BRISTOL, RI	BETA GROUP INC.	MR. CHRISTOPHER CRONIN, PE 6 BLACKSTOWN VALLEY PLACE LINCOLN, RI 02865 TEL. (401) 333-2382	\$1,207,395.00	10/06 to 9/08	100%
2005 INFRASTRUCTURE IMPROVEMENTS WATER SYSTEM MAIN REPLACEMENTS	COVENTRY & WARWICK, RI	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$2,062,645.00	6/06 TO 11/08	100%
NARRAGANSETT AVE WATER MAIN REPLACEMENT (12" DI PIPE)	JAMESTOWN, RI	TOWN OF JAMESTOWN, RI	TOWN	MR. MICHAEL GRAY, PE TOWN ENGINEER JAMESTOWN DPW 44 SOUTHWEST AVENUE JAMESTOWN, RI 02835 TEL. (401)423-7220	\$749,750.00	3/06-12/07	100%
HOPKINS HILL SEWER EXTENSION (18" PVC)	COVENTRY, RI	TOWN OF COVENTRY, RI	WESTON & SAMPSON	MR. BARRY YACESHYN, PE WESTON & SAMPSON ENGINEERS 5 CENTENNIAL DRIVE PEOBODY, MA 01960 TEL. (978) 532-1900	\$2,189,205.00	3/06-3/07	100%
WASHINGTON HIGHWAY & OMEGA POND WASTEWATER PUMPIING STATION IMPROVEMENTS	LINCOLN, RI EAST PROVIDENCE, RI	NARRAGANSETT BAY COMMISSION	BETA GROUP INC.	MR. CHRISTOPHER CRONIN, PE 6 BLACKSTOWN VALLEY PLACE LINCOLN, RI 02865 TEL. (401) 333-2382	\$5,089,000.00	12/05-06/07	100%
QUAKER LANE (RTE 2) WATER MAIN EXTENSION (16" DI PIPE)	EAST GREENWICH, RI	TOWN OF EAST GREENWICH, RI	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$1,300,000.00	9/05-11/05	100%



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# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
UPPER MAISIE QUINN SEWER INTERCEPTOR (24"-30" PVC)	WEST WARWICK, RI	TOWN OF WEST WARWICK, RI	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$2,148,000.00	4/05-11/05	100%
WWTP IMPROVEMENTS PHASE 1 GC: HART ENGIN CORP. SITE UTILITY SUBCONTRACTOR: CB UTILITY	BROCKTON, MA	CITY OF BROCKTON, MA	CAMP, DRESSER & McKEE	MR. JIM RAMOS, PROJECT MANAGER HART ENGINEERING CORP. 29 LARK INDUSTRIAL PARKWAY GREENVILL, RI 02828-0954 TEL. (401) 949-5300 FAX (401) 949-5309	\$900,000.00	5/05-12/05	100%
BLACK ROCK RD 24" DI WATER TRANSMISSION MAIN	COVENTRY, SCITUATE	KENT COUNTY WATER AUTHORITY	RIZZO ASSOCIATES & GAROFALO & ASSOCIATES	WILLIAM J. COTTER, PE GAROFALO & ASSOCIATES 85 CORLISS STREET PROVIDENCE, RI 02940 (401) 273-6000	\$4,758,000.00	3/04-11/05	100%
HILTON STREET SEWER EXTENSION	TIVERTON, RI	TOWN OF TIVERTON, RI	CIVIL ENGINEERING CONCEPTS	MR. JOHN LINCOURT , DIRECTOR TIVERTON WASTEWATER DIVISION 343 HIGHLAND ROAD TIVERTON, RI 02878 TEL: (401) 625-6701	\$115,000.00	7/05-8/05	100%
HIGH ST SEWER & WATER MAIN EXTENSION	NORTH ATTLEBOROUGH, MA	TOLL BROS, INC.	DIPRETE ENGINEERING	MR. BRYAN J WEINER, PE TOLL BROS., INC. 83 CEDAR STREET MILFORD, MA 01757 TEL. (508) 478-9722	\$700,000.00	4/05-8/05	100%
DUSTIN & PRESCOTT WELLS WTF C-2 GC: HART ENGIN CORP. SITE SUBCONTRACTOR: CB UTILITY	MANSFIELD, MA	TOWN OF MANSFIELD, MA	WOODARD & CURRAN	MR. JIM RAMOS, PROJECT MANAGER HART ENGINEERING CORP. 29 LARK INDUSTRIAL PARKWAY GREENVILL, RI 02828-0954 (401) 949-5300 FAX (401) 949-5309	\$800,000.00	5/04-12/04	100%



C. B. Utility Co. Inc.  
 99 Tupelo Street  
 Bristol, RI 02809

# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
TIOGUE AVENUE WATER BOOSTER PUMPING STATION	COVENTRY, RI	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$481,000.00	4/04-3/05	100%
BY-PASS CONNECTIONS (5 PUMPING STATIONS)	BARRINGTON, RI	TOWN OF BARRINGTON	C&E ENGINEERING PARTNERS	MR. JONATHAN S. GERHARD PE 342 PARK AVENUE WOONSOCKET RI TEL. (401) 762-1711 FAX (401) 235-9088	\$328,000.00	10/04-4/05	100%
OAKLAWN WATER METERING STATION	CRANSTON, RI	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$251,635.00	3/04-11/04	100%
SEWER SYSTEM IMPROVEMENTS	COVENTRY, RI	TOWN OF COVENTRY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$2,601,846.00	9/01/03-1/01/04	100%
2003 INFRASTRUCTURE IMPROVEMENTS WATER SYSTEM MAIN REPLACEMENTS	CRANSTON, COVENTRY, WEST WARWICK	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$4,807,850.00	9/01/03-6/01/05	100%
SANITARY SEWERS & KICKEMUIT PUMPING STATION REHABILITATION CONTRACT 03-1	BRISTOL, RI	TOWN OF BRISTOL	BETA GROUP INC.	MR. CHRISTOPHER CRONIN, PE 6 BLACKSTOWN VALLEY PLACE LINCOLN, RI 02865 TEL. (401) 333-2382	\$1,115,000.00	08/03-03/05	100%



C. B. Utility Co. Inc.  
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# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
WEST MAIN RD SEWER PROJECT	MIDDLETOWN, RI	TOWN OF MIDDLETOWN, RI	TOWN	MR. WARREN HALL, PE, PLS TOWN ENGINEER TEL. (401) 846-2119	\$600,000.00	07/03-4/05	100%
SANITARY SEWER SEWER RECONSTRUCTION	WARREN, RI	TOWN OF WARREN	WOODARD & CURRAN	MR. MICHAEL SCHRADER, PE WOODARD & CURRAN 980 WASHINGTON STREET DEDHAM, MA 01887 TEL. (781) 251-0200	\$1,229,720.00	09/02-08/03	100%
SANITARY SEWER FORCE MAIN & GRAVITY SEWER	PUTNUM, CT	MATULAITIS NURSING HOME	CME/CPK DESIGN GROUP	MR. SCOTT G. YOUNG, PE CME/CPK DESIGN GROUP WOODSTOCK, CT TEL: (860) 928-7848	\$491,044.00	6/03-10/03	100%
RECOVERED DEICING FLUID STORAGE TANKS	T.F. GREEN AIRPORT	RI AIRPORT CORPORATION	FUSS & O'NEILL, INC.	MR. NILS S. WIBERG, PE FUSS & O'NEILL THE FOUNDRY CORPORATE OFFICE 275 PROMENADE ST, SUITE 350 PROVIDENCE, RI TEL. (401) 861-3070 EXT. 4559	\$257,400.00	3/03-8/03	100%
NEW WASTEWATER PUMPING STATION	WEST GREENWICH, RI	WEST WARWICK, RI	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$950,000.00	3/03-5/04	100%
POTTER'S COVE SALT MARSH RESTORATION	PRUDENCE ISLAND, PORTSMOUTH, RI	EASTERN RI CONSERVATION DISTRICT	USDA	MR. TOM SANDHAM, MANAGER ERICD TIVERTON, RI TEL. (401) 624-7490	\$40,000.00	03/03-05/03	100%



C. B. Utility Co. Inc.  
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# PROJECT REFERENCES

PROJECT	LOCATION	OWNER	ENGINEER	CONTACT	CONTRACT AMOUNT	DATE	% COMP.
BLUFF POINT STATE PARK WATER SERVICE	GROTON, CT	TOWN OF GROTON, CT	WOODARD & CURRAN	MR. JOSEPH SHEA, PE WOODARD & CURRAN 980 WASHINGTON STREET DEDHAM, MA 01887 TEL. (781) 251-0200	\$100,000.00	11/03-3/04	100%
2002 INFRASTRUCTURE IMPROVEMENTS WATER SYSTEM MAIN REPLACEMENTS	CRANSTON, EAST GREENWICH, WEST WARWICK	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$2,809,985.00	07/02-07/03	100%
2001 INFRASTRUCTURE IMPROVEMENTS WATER SYSTEM MAIN REPLACEMENTS	WARWICK, COVENTRY, EAST GREENWICH, WEST WARWICK	KENT COUNTY WATER AUTHORITY	J.J. GEREMIA	MR. JAMES J. GEREMIA, PE PRESIDENT OR MR. RICHARD M. HENCLER, PE 272 WEST EXCHANGE STREET PROVIDENCE RI TEL. (401) 454-7000 FAX (401) 454-7415	\$3,639,406.00	07/01-08/02	100%
CONTRACT 62 NAUSAUKET AREA SEWER PROJECT	WARWICK RI	WARWICK SEWER AUTHORITY	-	MR. DENNIS VINHATEIRO WARWICK SEWER AUTHORITY TEL. (401) 739-4949	\$10,394,747.00	2000	100%



**C. B. Utility Co. Inc.**

99 Tupelo Street  
Bristol, RI 02809

T. 401.253.9277  
F. 401.253.0450

## Subcontractors

RFP #7448088 – RIC Design-Build for  
Asbestos Cement Water Main Replacement and  
Water Booster Pump Stations  
State of Rhode Island

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Subcontractors undetermined at this time.



**C. B. Utility Co. Inc.**

99 Tupelo Street  
Bristol, RI 02809

T. 401.253.9277  
F. 401.253.0450

# Construction Personnel

RFP #7448088 – RIC Design-Build for  
Asbestos Cement Water Main Replacement and  
Water Booster Pump Stations  
State of Rhode Island

Below is a table that summarizes CBU's full workforce. CBU shall provide the appropriate staffing needed to complete this project on schedule.

Title	Amount
Project Managers	4
Superintendents	6
Foreman	8
Laborers	123
Operators	18
Truck Drivers*	1

Note: CBU's workforce is associated with the International Labors Union, which shall supply additional foremen, laborers, operators and truck drivers if the workforce stated above cannot complete the project on schedule.

\*CBU rents trucks from outside sources.



## MAJOR EQUIPMENT LIST

EQUIP	CLASS		DESCRIPTION
00006	DOZERS	D6	CAT D6H DOZER
00101	EXCAVATOR	E*	CAT 345 EXCAVATOR
00103	EXCAVATOR	E**	GRADALL 4100
00106	EXCAVATOR	E5	KOMATSU PC400 LC-1
00106	EXCAVATOR	E6	KOMATSU PC400 LC-6
00107	EXCAVATOR	E7	KOMATSU PC1000
00108	EXCAVATOR	E8	KOEHRING 4470 TELESKOOP
00201	LOADER	L1	CAT 936
00202	LOADER	L2	CAT 938G SIDEDUMP
00203	LOADER	L3	CAT938G SIDEDUMP
00204	LOADER	L4	CAT 936 SIDEDUMP
00205	LOADER	L5	CAT 936E
00206	LOADER	L6	CAT 936E
00207	LOADER	L7	CAT 950B
00208	LOADER	L8	CAT 950B
00209	LOADER	L9	CAT 936 SIDEBOOM
00211	LOADER	L11	CAT 938G SD
00301	LOADER/BACKHOE	LB1	FORD 5550 SIDEBOOM
00302	LOADER/BACKHOE	LB2	JDEERE 710
00303	LOADER/BACKHOE	LB3	JDEERE 510
00304	LOADER/BACKHOE	LB4	FORD 750 SIDEBOOM
00305	LOADER/BACKHOE	LB5	FORD 755B
00306	LOADER/BACKHOE	LB6	FORD 755 WITH HAMMER
00307	LOADER/BACKHOE	LB7	JDEERE 710
00308	LOADER/BACKHOE	LB8	FORD 755B
00309	LOADER/BACKHOE	LB9	FORD 755B WITH HAMMER
00310	LOADER/BACKHOE	LB10	JDEERE 510
00311	LOADER/BACKHOE	LB11	JOHN DEERE 710D
00312	LOADER/BACKHOE	LB12	JOHN DEERE 710
00313	LOADER/BACKHOE	LB13	JOHN DEERE 710
00314	LOADER/BACKHOE	LB14	JD 2002 710D
00401	ROLLER	R1	GALLION ROLLER
00402	ROLLER	R2	RAYGO ROLLER
00403	ROLLER	R3	ROSCO ROLLER
00404	ROLLER	R4	ROSCO ROLLER
00501	TRUCK	DM1	DUMP TRUCK
00502	TRUCK	TR2	W/LOWBED TRAILER (SHERTSEN)
00503	TRUCK	TR2	W/DUMP TRAILER (STECO)
00504	TRUCK	TR2	HORSE - 96 MACK TRACTOR



Company ID Number: 385577

**THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION  
MEMORANDUM OF UNDERSTANDING**

**ARTICLE I**

**PURPOSE AND AUTHORITY**

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and **C B UTILITY CO INC** (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

**ARTICLE II**

**FUNCTIONS TO BE PERFORMED**

**A. RESPONSIBILITIES OF SSA**

1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.
2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.
3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed



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by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.

5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and non-citizens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

## **B. RESPONSIBILITIES OF DHS**

1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Employer access to selected data from DHS's database to enable the Employer to conduct, to the extent authorized by this MOU:

- Automated verification checks on employees by electronic means, and
- Photo verification checks (when available) on employees.

2. DHS agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to make available to the Employer at the E-Verify Web site and on the E-Verify Web browser, instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.

4. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

5. DHS agrees to issue the Employer a user identification number and password that permits the Employer to verify information provided by employees with DHS's database.

6. DHS agrees to safeguard the information provided to DHS by the Employer, and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and

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Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.

7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within 3 Federal Government work days of the initial inquiry.

8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

## **C. RESPONSIBILITIES OF THE EMPLOYER**

1. The Employer agrees to display the notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.

2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.

3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

4. The Employer agrees that any Employer Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.

A. The Employer agrees that all Employer representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify.

B. Failure to complete a refresher tutorial will prevent the Employer from continued use of the program.

5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

- If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.

- If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The photocopy must be of sufficient quality to allow for verification of the photo

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and written information. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.

6. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 5 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any individual if it obtains confirmation of the identity and employment eligibility of the individual in good faith compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 and E-Verify system compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.

7. The Employer agrees to initiate E-Verify verification procedures for new employees within 3 Employer business days after each employee has been hired (but after the Form I-9 has been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual, or in the case of Federal contractors with the FAR E-Verify clause, the E-Verify User Manual for Federal Contractors. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. Employers may initiate verification by notating the Form I-9 in circumstances where the employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.

8. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer

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uses the E-Verify system for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.

9. The Employer agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees in private of the finding and providing them written notice of the findings, providing written referral instructions to employees, allowing employees to contest the finding, and not taking adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

10. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 or OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

11. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA, as applicable, by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-

**Company ID Number: 385577**

Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

12. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

13. The Employer agrees that it will use the information it receives from SSA or DHS pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

14. The Employer acknowledges that the information which it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

15. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

#### **D. RESPONSIBILITIES OF FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE**

1. The Employer understands that if it is a subject to the employment verification terms in Subpart 22.18 of the FAR, it must verify the employment eligibility of any existing employee assigned to the contract and all new hires, as discussed in the Supplemental Guide for Federal Contractors. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.

a. Federal contractors with the FAR E-Verify clause agree to become familiar with and comply with the most recent versions of the E-Verify User Manual for Federal Contractors and the E-Verify Supplemental Guide for Federal Contractors.

b. Federal contractors with the FAR E-Verify clause agree to complete a tutorial for Federal contractors with the FAR E-Verify clause.

c. Federal contractors with the FAR E-Verify clause not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify at the time of a contract award must enroll as a Federal contractor with the FAR E-Verify clause in E-Verify within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States,

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whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor with the FAR E-Verify clause, the Employer must initiate verification of employees assigned to the contract within 90 calendar days from the time of enrollment in the system and after the date and selecting which employees will be verified in E-Verify or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Employers that are already enrolled in E-Verify at the time of a contract award but are not enrolled in the system as a Federal contractor with the FAR E-Verify clause: Employers enrolled in E-Verify for 90 days or more at the time of a contract award must use E-Verify to initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. Employers enrolled in E-Verify as other than a Federal contractor with the FAR E-Verify clause, must update E-Verify to indicate that they are a Federal contractor with the FAR E-Verify clause within 30 days after assignment to the contract. If the Employer is enrolled in E-Verify for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days after the date of hire. An Employer enrolled as a Federal contractor with the FAR E-Verify clause in E-Verify must initiate verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

e. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors with the FAR E-Verify clause that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors with the FAR E-Verify clause may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article II.D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local and tribal governments, and sureties.

f. Verification of all employees: Upon enrollment, Employers who are Federal contractors with the FAR E-Verify clause may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only new employees and those existing employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.

g. Form I-9 procedures for existing employees of Federal contractors with the FAR E-Verify clause: Federal contractors with the FAR E-Verify clause may choose to complete new Forms I-9 for all existing employees other than those that are completely exempt from this process. Federal contractors with the FAR E-Verify clause may also update previously completed Forms I-9 to initiate E-Verify verification of existing employees who are not completely exempt as long as that Form I-9 is complete (including the SSN), complies with



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Article II.C.5, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.5, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.5, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.5, subject to any additional or superseding instructions that may be provided on this subject in the Supplemental Guide for Federal Contractors. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor with the FAR E-Verify clause.

2. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

### **ARTICLE III**

## **REFERRAL OF INDIVIDUALS TO SSA AND DHS**

### **A. REFERRAL TO SSA**

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it

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determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

#### **B. REFERRAL TO DHS**

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding. The Employer must review the tentative nonconfirmation with the employee in private.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.

5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:

- Scanning and uploading the document, or
- Sending a photocopy of the document by an express mail account (paid for at employer expense).

7. If the Employer determines that there is a photo non-match when comparing the photocopied List B document described in Article II.C.5 with the image generated in E-Verify, the Employer must forward the employee's documentation to DHS using one of the means described in the preceding paragraph, and allow DHS to resolve the case.

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#### ARTICLE IV

##### SERVICE PROVISIONS

SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

#### ARTICLE V

##### PARTIES

A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual, the E-Verify User Manual for Federal Contractors or the E-Verify Supplemental Guide for Federal Contractors. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials. An Employer that is a Federal contractor with the FAR E-Verify clause may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor with the FAR E-Verify clause must provide written notice to DHS. If an Employer that is a Federal contractor with the FAR E-Verify clause fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to participants that are not Federal contractors with the FAR E-Verify clause, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

B. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, termination of this MOU by any party for any reason may negatively affect its performance of its contractual responsibilities.

C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

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D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

F. The Employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

H. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.



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To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

<b>Employer C B UTILITY CO INC</b>	
<b>JOSEPH BRITO JR</b>	
Name (Please Type or Print)	Title
<i>Electronically Signed</i>	01/17/2011
Signature	Date

Department of Homeland Security – Verification Division

**USCIS Verification Division**

Name (Please Type or Print)		Title
<i>Electronically Signed</i>		01/17/2011
Signature		Date

Information Required for the E-Verify Program

Information relating to your Company:

Company Name:	C B UTILITY CO INC
Company Facility Address:	99 TUPELO STREET BRISTOL, RI 02809
Company Alternate Address:	
County or Parish:	BRISTOL
Employer Identification Number:	XXXXXXXXXX

Company ID Number: 385577

North American Industry Classification Systems Code:	237
Administrator:	
Number of Employees:	20 to 99
Number of Sites Verified for:	1
<b>Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:</b>	
<ul style="list-style-type: none"><li>• RHODE ISLAND 1 site(s)</li></ul>	

**Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:**

Name:	CYNTHIA M HADDAD	Fax Number:	(401) 253 - 0450
Telephone Number:	(401) 253 - 9277 ext. 110		
E-mail Address:	<del>XXXXXXXXXXXX</del>		

State of Rhode Island  
PAYER'S REQUEST FOR TAXPAYER  
IDENTIFICATION NUMBER AND CERTIFICATION

THE IRS REQUIRES THAT YOU FURNISH YOUR TAXPAYER IDENTIFICATION NUMBER TO US. FAILURE TO PROVIDE THIS INFORMATION CAN RESULT IN A \$50 PENALTY BY THE IRS. IF YOU ARE AN INDIVIDUAL, PLEASE PROVIDE US WITH YOUR SOCIAL SECURITY NUMBER (SSN) IN THE SPACE INDICATED BELOW. IF YOU ARE A COMPANY OR A CORPORATION, PLEASE PROVIDE US WITH YOUR EMPLOYER IDENTIFICATION NUMBER (EIN) WHERE INDICATED.

**Taxpayer Identification Number (T.I.N.)**

Enter your taxpayer identification number in the appropriate box. For most individuals, this is your social security number.

Social Security No. (SSN)

Employer ID No. (EIN)

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05	0445891
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NAME C B Utility Co Inc

ADDRESS 99 Tupelo St

(REMITTANCE ADDRESS, IF DIFFERENT) \_\_\_\_\_

CITY, STATE AND ZIP CODE Bristol RI 02809

**CERTIFICATION:** Under penalties of perjury, I certify that:

- (1) The number shown on this form is my correct Taxpayer Identification Number (or I am waiting for a number to be issued to me), and
- (2) I am not subject to backup withholding either because: (A) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (B) the IRS has notified me that I am no longer subject to backup withholding.
- (3) As it relates to the "E-Verify" program, I/We certify that I/We have registered to utilize the e-verify program (www.dhs.gov/E-Verify) to ensure compliance with federal and state law. I understand and agree that I am required to continue to utilize the services of the E-Verify program for as long as I continue to do business with the State of Rhode Island. I further understand that my failure to continue to utilize the services of the E-Verify program will adversely affect my ability to continue to do business with the State of Rhode Island and my ability to do business with the State of Rhode Island in the future.

**Certification Instructions** -- You must cross out item (2) above if you have been notified by IRS that you are subject to backup withholding because of under-reporting interest or dividends on your tax return. However, if after being notified by IRS that you were subject to backup withholding you received another notification from IRS that you are no longer subject to backup withholding, do not cross out item (2).

**PLEASE SIGN HERE**

SIGNATURE Cynthia Naddad TITLE Asst Controller DATE 1/17/11 TEL NO. 401-253-9277

**BUSINESS DESIGNATION:**

Please Check One: Individual  Medical Services Corporation  Government/Nonprofit Corporation   
Partnership  Corporation  Trust/Estate  Legal Services Corporation

**NAME:** Be sure to enter your full and correct name as listed in the IRS file for you or your business.

**ADDRESS, CITY, STATE AND ZIP CODE:** Enter your primary business address and remittance address if different from your primary address). If you operate a business at more than one location, adhere to the following:

- 1) Same T.I.N. with more than one location -- attach a list of location addresses with remittance address for each location and indicate to which location the year-end tax information return should be mailed.
- 2) Different T.I.N. for each different location -- submit a completed W-9 form for each T.I.N. and location. (One year-end tax information return will be reported for each T.I.N. and remittance address.)

**CERTIFICATION** -- Sign the certification, enter your title, date, and your telephone number (including area code and extension).  
**BUSINESS TYPE CHECK-OFF** -- Check the appropriate box for the type of business ownership.

Mail to: Supplier Coordinator, One Capitol Hill, Providence, RI 02908