



# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

**CREATION DATE :** 28-AUG-12  
**BID NUMBER:** 7458013  
**TITLE:** INSTALLATION OF ACID WASTE TREATMENT SYSTEM - RIC  
**BID CLOSING DATE AND TIME:** 25-SEP-2012 02:00:00

**BUYER:** Mosca, Gary  
**PHONE #:** 401-574-8124

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**RIC-PURCHASING**  
**600 MOUNT PLEASANT AVENUE**  
**PROVIDENCE, RI 02908**  
**US**

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**RIC-PURCHASING**  
**600 MOUNT PLEASANT AVENUE**  
**PROVIDENCE, RI 02908**  
**US**

**Requisition Number: 1283214**

Note to Bidders: Questions concerning this solicitation may be emailed to [gary.mosca@purchasing.ri.gov](mailto:gary.mosca@purchasing.ri.gov) no later than 9/14/12 @ 12:00 NOON (EST). Questions should be submitted in a Microsoft word attachment. Please reference the RFQ # on all correspondence. Questions received if any, will be posted on the internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information.

Line	Description	Quantity	Unit	Unit Price	Total
1	THERE WILL BE A PRE-BID CONFERENCE HELD ON 9/12/2012 @ 9:00 AM (EDT). LOCATION: RI COLLEGE CAMPUS - PHYSICAL PLANT CONFERENCE ROOM, 600 MT. PLEASANT AVE. PROVIDENCE, RI 02908 INSTALLATION OF ACID WASTE TREATMENT SYSTEM - CLARKE SCIENCE - RIC ALLOWANCE - We have included an allowance of \$20,000.00 in the above base bid to cover the costs indicated in Section (4), (page 11) ALLOWANCES of the Bid specifications.	1.00	Each		
2	DEDUCT ALTERNATE ONE: INDICATE THE DECREASE IN COSTS (TO BE SUBTRACTED FROM THE BASE BID PRICE) PER BID SPECIFICATIONS.	1.00	Each		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

# RHODE ISLAND COLLEGE

## INSTALLATION OF ACID-WASTE TREATMENT SYSTEM, CLARKE-SCIENCE BUILDING

### *SPECIFICATIONS*

#### 1. GENERAL.

1.1 Contract Purpose: In response to a request by the Narragansett Bay Commission, we are installing an acid-waste treatment system in order to neutralize any acids (or caustic substances) that a student may inadvertently discharge down any one of the 89 sinks located in laboratories on the first and second floors of Clarke-Science Building (and including the two sinks located in the two lecture halls: Rooms 125 and 128). Accordingly, the primary purpose of this Contract is to bring this Clarke-Science laboratory building into compliance with current standards for treatment of acids and caustic substances so that only neutralized products discharge into our sanitary-waste piping system.

Therefore, the requirements of this contract include: the installation of a complete Schedule 80 polypropylene acid-waste drain piping system which intercepts three existing acid-waste drain piping risers in the basement crawl space; and conveys this acid waste to the 400-gallon tanks, mixers, pH control system with metering pumps and detection devices which are to be installed in order to neutralize the acid waste prior to its discharge. All of the (approximately horizontal) acid-waste drain piping must be supported by the required 1-1/2" x 1-1/2" x 3/16" thick painted steel angles. Two separate small acid-waste neutralization units must also be furnished on two lecture-hall sinks. A steel structural support system with a 5'- 6" long x 1' wide x 1" thick polyethylene shelf must also be furnished and installed. A 5' x 5' x 4"-high reinforced-concrete platform and a 12"-wide x 10"-high reinforced-concrete drain-pipe protection structure with anchor bolts must also be installed. The existing floor drain must be significantly altered. The ventilation piping component of the polypropylene acid-waste drain piping system involves core-drilling through 2 reinforced-concrete floors and a reinforced-concrete roof deck. A pitch pocket must be furnished and installed on the roof.

Contractor will also be required to furnish and install fittings, equipment support and hanger systems; pipe hangers and duct supports must also be furnished and installed; and ceilings cut and patched to equal existing. The associated electric service, switches, wiring, conduit systems must be furnished and installed. Siemens must be used as a subcontractor to **connect the acid-waste neutralization equipment controls into the EXISTING Siemens controls panel**; which will operate the mixers, the pH controller and the associated equipment that the contractor will be installing.

Additional and detailed requirements for this BASE BID are adequately described on the enclosed 8 PLANS, which are officially incorporated into these Specifications.

In addition, the associated plumbing, pipefitting, demolition, masonry, painting, steelwork, pipe insulation, concrete core-drilling work, concrete formwork, vibration, finishing and curing must be accomplished. Equipment and piping must be leak-tested; controls systems installed and verified; air must be bled from certain lines; complete testing and start-up operations performed; and all associated electrical requirements satisfied.

- 1.2 Pre-Bid-Submittal Site Inspection. Each Contractor submitting a bid is to survey the Clarke-Science mechanical room and crawl space. Contractor is to verify all pertinent measurements before submitting the bid. Attend the non-mandatory (but highly recommended) pre-bid meeting. Call the College's Engineer with any questions (Mr. John Vickers at 456-8262).
- 1.3 Contractor Qualifications. The partial removal and installation of the acid-waste (A-W) piping and ventilation piping systems, fittings, valves, and associated A-W neutralization equipment required by this Contract are to be accomplished by a Rhode Island licensed plumber; any required welding is to be accomplished by a RI-certified welder. In addition, the Contractor must have a Master Plumbing Contractor's License valid in Rhode Island. The actual installation of the electrical service lines, wiring, conduits, boxes, relays and connections as well as the associated electrical equipment required by this Contract are to be performed by a Rhode Island licensed electrician. The electrical subcontractor must have a Master Electrical Contractor's License valid in Rhode Island. The relocation and installation of the hot-water return (black-iron and copper) piping and fittings required by this Contract are to be accomplished by a Rhode Island licensed pipefitter.
- 1.4 Pre-construction Planning and Schedule. As soon as possible after being awarded this Contract, the Contractor (and all subcontractors) will attend a pre-construction meeting before starting any actual demolition or installation of piping, electrical equipment, A-W neutralization equipment. Immediately after this meeting and the approval of submittals, the Contractor should order all required piping and A-W neutralization equipment, parts, materials and associated components. Schedule the work so that this A-W piping and neutralization equipment systems are fully operational by 31 January 2013.
- 1.5 Laws, Permits. Contractor (and subcontractors) are to comply with all applicable federal and state laws, regulations and codes: in particular, the Plumbing and Electrical Codes apply. The Contractor DOES need to obtain a permit for this work from the State Building Commission. The permit is issued by the office of the State Building Commissioner, One Capitol Hill, Providence (222-3033).

## 1.6 Materials, Equipment and Workmanship.

1.6.1 General. Materials and workmanship shall be the best of their respective kinds; work will be accomplished in a neat and workmanlike manner in full accord with modern construction methods, and with any applicable State codes. All equipment and materials furnished and installed for this contract are to be of American manufacture. All of the primary Contractor-furnished equipment and materials required for the complete A-W drain and neutralization equipment systems are specified on the PLANS by manufacturer and model. All other required materials {to include: valves, equipment mountings, hanger systems, connectors, electrical conduit and wiring, structural-steel and similar materials} are to conform to accepted National and RI construction industry standards.

1.6.2 Samples and Submittals. At least 1 week prior to the project start date, Contractor shall submit, for Plant Engineer approval:

(a) Samples of the following materials: None.

(b) The following shop drawings: None.

(c) Catalog "Cuts" which adequately identify and describe the following:

(1) All piping, valves, fittings materials.

(2) Pipe hanger equipment and systems; structural support and shelf system.

(3) ALL A-W neutralization equipment: Tanks, Mixers, Pumps, pH Controller Flow Switch, Relays and similar materials and equipment which the Contractor proposes to furnish, install, use for this Contract.

All such samples and shop drawings will be identified as to manufacturer, item, kind, and include all necessary information to demonstrate that the materials comply with Specifications. Catalog "Cuts" are to include at least one manufacturer's original set (all photo copies NOT acceptable).

1.6.3 Shop Drawing, Catalog Cut & Equipment Ordering Warning.

Contractor is not to order nor commence to install any equipment under this Contract until the applicable Samples, Shop Drawings and Catalog Cuts are approved by the Engineer.

1.6.4 and 1.6.5 Deleted.

1.6.6 Conduit. Certain segments of flexible conduit are to be furnished and installed as equipment connections. All conduit within the mechanical room (MR) and conduit within the building is to be EMT thin-wall steel conduit with steel set-screw fittings; or MC cable may be used wherever allowed by the Code; use diameter required by the Code. Appropriate, standard junction and

pull boxes, elbows and fittings which match the adjacent conduit are also to be furnished and installed.

1.6.7 Electrical Equipment and Cables. Furnish and install the required relays, electrical and conduit fittings, conduit hangers, all associated electrical materials for 100% operational electrical service and controls systems for the mixers, pH controller and for all pumps being furnished and installed by this contract. Contractor is to use copper electrical wires (600 volts capacity) with THHN/THWN insulation for all electric service requirements. Wiring for all controls and temperature-sensor systems will also be of copper, comply with codes and be installed in the specified conduits. If no size is indicated, the wire will be sized in accordance with the Electrical Code for the operating current of the equipment being supported (allowing for starting current).

Contractor is to comply with the following RI College standard color scheme for its 3-Phase wiring:

- Phase A – Black
- Phase B – Red
- Phase C – Blue.

1.6.8 Deleted.

1.6.9 Concrete, Rebars, and Steel. Contractor is to furnish and install standard, air-entrained, 3,000 psi ready-mix portland-cement (PC) concrete for the reinforced- concrete foundation platform and drain-pipe protection covering. Maximum gravel size is to be about 1". **For both requirements, the concrete is also to be vibrated during placement (an electric vibrator is to be rented, if necessary)** and later wet down for curing. See the detailed requirements described in the paragraphs of Specifications Section 3 for additional concrete installation instructions.

The reinforcing steel system to be installed at the center (vertically) of the concrete foundation slab is to utilize standard reinforcing steel mesh (3/16" diameter), as used in the construction industry. All concrete forms are to be those generally used for concrete footings, foundations and slabs by the construction industry in RI.

Anchor bolts, washers, nuts are to be of sizes and types specified on the PLANS.

1.6.10 Deleted.

1.6.11 Steel. All basic steel products, such as Unistrut or B-Line Strut Systems (by B-Line Systems, Inc.; available at Graybar); and the hangers and threaded rods; bolts, nuts, lock washers and similar fasteners; required for this Contract are to be of mild steel (yield strength of 30,000 or 36,000 psi). Connecting bolts, nuts, washers; anchor bolts; and bolts inserted into concrete

ceiling decks, masonry walls and floor slabs shall be of galvanized steel (& bent cold).

1.6.12 Cleaning Materials. To clean a given surface, only those cleaning materials are to be used which are recommended by the manufacturer of the surface to be cleaned.

1.6.13 Piping and Fittings. The required piping sizes are identified on the applicable PLANS. Contractor is to furnish and accomplish all required piping installation; connections to existing piping and other equipment: ALL connections should use the same kind, diameter, thickness and schedule piping as that which the new piping adjoins. For copper pipe, use Type L and, for solder-type fittings, use silver solder.

**Wherever the copper pipe being installed connects to existing steel pipe, use dielectric fittings/connections to avoid electrolytic corrosion.** Install also all appropriate gaskets, sealants, Teflon tape to ensure long-lasting, leak-free joints and connections. All pipefitter, plumbing and related site work is to be in full compliance with all applicable codes.

1.6.15 Insulation. Deleted.

1.6.16 Ceiling Tiles and Grid. Deleted.

1.6.17 Electrical Service Equipment. Contractor is to furnish all other equipment and materials needed to complete the electrical requirements of these PLANS and Specifications, using standard off-the-shelf hardware, materials and equipment of quality as used by National Grid Company, to include: conduit hangers, clamps, brackets and supports; grounding rods and equipment, connectors and splicing materials, circuit breakers of the sizes designated on the PLANS; plus all related hardware and insulating tape.

1.6.18 Caulking. Caulking material for all drilled holes, new penetrations and existing penetrations is to be: (a) two-component polysulfide, mixed on site, for joints between dissimilar materials and substrates; or (b) GE silicone (Silpruf) sealants for metal-to-metal joints. Use fire-safing foam to seal around all pipes inserted through the core-drilled holes in concrete floors, fire-walls and roof deck.

1.6.11 Anchors, Bolts, Inserts and Sleeves. Anchors and anchor bolts, bolts, washers, nuts, conduit hangers and miscellaneous fasteners shall be provided where necessary for fastening work in place (such as the pH controller, pumps, mixers, pH sensors, electric boxes, the B-line steel support structure) and shall be as necessary for their intended purpose. They shall be drilled-into and embedded in concrete and masonry as appropriate; or securely fastened to the concrete floor slab, underlying structural members or concrete walls. See the PLANS for additional fastening requirements. Additional toggle bolts no smaller than ¼" diameter (and of lengths to pass through the ceiling or wall material)

may be needed to secure certain conduits. Sizes, kinds and spacing of anchors not indicated nor specified shall be as necessary for their purpose. Zinc-coated inserts of suitable and approved types shall be provided where necessary for the support of conduits, equipment, apparatus and other work. Zinc-coated steel pipe sleeves of suitable size shall be provided where conduits pass through floors or walls. All such penetrations shall be sealed (using Fire-Safing foam insulation: US Gypsum's Thermafiber or equal) to comply with the Fire Codes. Steel supports for the fittings, conduits, wireways, receptacle and junction boxes, and equipment shall be galvanized and provided as indicated and as required for complete and top-quality installation. Lack of indications in the PLANS and Specifications of items obviously needed to properly satisfy all work requirements of this project, such as attachments, bolts, hangers, and other fastening devices, shall not relieve the Contractor from furnishing and installing these items.

- 1.7 Substitution of Materials. Materials specified by Manufacturer and Trade name for installation under this Contract are not to be substituted for "equal" or "equivalent" materials without State Purchasing Office approval. However, any contractor proposing to supply and install "equal" materials will so notify the State Purchasing Officer at last 96 hours prior to bid submittal. This Officer will consult with the College's Engineer to determine whether such materials are, in fact, equal products before awarding the contract to such low bidder [who is offering the "equal" product(s)].
- 1.8 Storage of Materials. At the job-site, all materials are to be stored in a place and manner which protect them from damage and the effects of weather. Flammable and readily combustible materials are not to be stored inside campus buildings. Coordinate storage requirements and proposed locations with the College Engineer. Contractor is to inspect frequently all stored materials to identify damaged or deteriorating items; such items will not be used and are to be removed from the job-site upon discovery.
- 1.9 Protection of Work and Property. The Contractor shall safely protect the personnel and property of the College and all adjacent property (as well as the Contractors' materials, equipment and employees) from loss, injury or damage; and shall repair, replace and/or compensate any damage, injury or loss resulting from this project. The College shall not be responsible for contractor equipment/security. Because the Contractor may be using welding-type or soldering equipment within Clarke Science Building, special care will be taken to avoid fires: particularly when working near combustible materials. Contractor will keep one large CO2 fire extinguisher and one ABC fire extinguisher on hand whenever operations involving flames or arc-welding are in progress; these extinguishers are to be operable in accordance with standards acceptable to the State Fire Marshal. Smoldering fire inspections are to be made by the Contractor's on-site superintendent at the end of each day's work which involved flame-type or arc-welding operations.

1.10 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.

1.11 Clean-up. During and after completion of the project, the Contractor shall leave the area in a clean and orderly condition – which is acceptable to the College. Further, the Contractor must leave the work-site clean, safe and secure at the end of each workday. All excess, replaced and unsuitable materials will be removed from Campus by the Contractor, unless otherwise approved by the Engineer. Except in the MR, the Contractor shall also remove all dust, marks, stains, fingerprints and other soil or dirt from all floors and painted, decorated and stained surfaces.

The dust resulting from all demolition and removal work shall be controlled so as to prevent its spread to occupied portions of the building, and to avoid the creation of a nuisance for the surrounding areas. The College will continue to use Clarke Science Building throughout the duration of this contract. Ducts removal and installation; piping and equipment removal and installation; as well as all hanger and piping installation and other work in and near ceilings must be carefully scheduled to the mutual satisfaction of the College and the Contractor. Isolate occupied spaces from demolition/removal operations by temporary dust-tight barriers. Dust seals shall be installed on doors entering occupied spaces. Gaskets or other means may be used, provided the sealant method does not impede the use of these exits in an emergency.

Contractor is also to cover all computers, printing and similar equipment, furniture with heavy-duty (6-mil) polyethylene whenever work of this contract is being performed above or near such equipment and furnishings during demolition, equipment installation, piping (and similar) work. Contractor is to coordinate the operations of subcontractors in order to achieve these objectives and a logical accomplishment of the total project.

1.12 Daily-Sign-In Policy. All contractor and sub-contractor personnel are required to sign-in at the Campus Police office in Browne Hall. The Campus Police will issue a parking "pass" and direct your personnel where to park. The "pass" will designate not only the approved parking area; but also the duration of the pass. In addition, each of your workers will be issued an ID, which he or she is to return at the end of the contract (or their part of the contract).

1.13 Payment. Partial payments may be negotiated; 10% retentions apply. **Unless advance College Engineer approval has been obtained**, invoices may not be processed by the College. Please use the AIA (Architect's) payment documents and an Engineer-approved Schedule of Values. Upon work completion, the Engineer will be notified, and will conduct with the Contractor's representative a joint physical check of the quality and extent of the piping systems and A-W neutralization equipment installation (and painting); and electrical-service systems

installation work and the associated improvements. This is necessary to insure prompt payment.

1.14 Equipment Start-up Operations and Project Completion. Contractor will activate all lines and provide complete start-up and test service (for all possible modes of operation) for the A-W neutralization equipment and controls systems, and for the piping systems. **This start-up and test service is to be provided by the manufacturer's representative for the for the A-W neutralization equipment and controls systems; and is to be performed before the end of January 2013.**

1.15 Guarantee. The Contractor shall leave the facility in proper working order and shall replace any work, material, or equipment provided by the contractor 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. However, any manufacturer's longer-term warranties shall apply.

## 2. SCOPE OF CONTRACT.

Contractor will furnish all labor, materials, services, staging, equipment and supervision necessary for the **complete installation of the specified A-W neutralization equipment and controls systems and the specified A-W drain piping and ventilation systems.**

Therefore, the requirements of this contract include: the installation of a complete Schedule 80 polypropylene acid-waste drain piping system which intercepts three existing acid-waste drain piping risers in the basement crawl space; and conveys this acid waste to the 400-gallon tanks, mixers, pH control system with metering pumps and detection devices which are to be installed in order to neutralize the acid waste prior to its discharge. All of the (approximately horizontal) acid-waste drain piping must be supported by the required 1-1/2" x 1-1/2" x 3/16" thick painted steel angles. Two separate small acid-waste neutralization units must also be furnished on two lecture-hall sinks. A steel structural support system with a 5'-6" long x 1' wide x 1" thick polyethylene shelf must also be furnished and installed.

A 5' x 5' x 4"-high reinforced-concrete platform and a 12"-wide x 10"-high reinforced-concrete drain-pipe protection structure with anchor bolts must also be installed. The existing floor drain must be significantly altered. The ventilation piping component of the polypropylene acid-waste drain piping system involves core-drilling through 2 reinforced-concrete floors and a reinforced-concrete roof deck. A pitch pocket must be furnished and installed on the roof.

Contractor will also be required to furnish and install fittings, equipment support and hanger systems; pipe hangers and duct supports must also be furnished and installed; and ceilings cut and patched to equal existing. The associated electric service, switches, wiring, conduit systems must be furnished and installed. Siemens must be used as a subcontractor to **connect the acid-waste neutralization equipment**

**controls into the EXISTING Siemens controls panel;** which will operate the mixers, the pH controller and the associated equipment that the contractor will be installing.

Additional and detailed requirements for this BASE BID are adequately described on the enclosed 8 PLANS, which are officially incorporated into these Specifications.

In addition, the associated plumbing, pipefitting, demolition, masonry, painting, steelwork, pipe insulation, concrete core-drilling work, concrete formwork, vibration, finishing and curing must be accomplished. Equipment and piping must be leak-tested; controls systems installed and verified; air must be bled from certain lines; complete testing and start-up operations performed; and all associated electrical requirements satisfied.

The associated electric service, switches, wiring, conduit systems must be furnished and installed.

ALL piping, fittings, equipment and piping systems support and hanger systems, full-port ball valves, conduit hangers and supports must also be furnished and installed.

Additional and detailed requirements for this BASE BID are adequately described on the enclosed: 8 PLANS – ALL of which are both listed below and officially incorporated into these Specifications. All work will be in accordance with these Specifications and enclosed PLANS.

In addition, the associated plumbing and pipefitting, hangers installation, demolition, concrete core-drilling, electric-service installation and connections, hot-water return pipe relocation and painting must be accomplished. Equipment and piping must be leak-tested; controls systems installed and verified; complete testing and start-up operations performed; and all associated electrical requirements satisfied.

Regardless of any inadvertent omissions in these Specifications and the enclosed PLANS (and even if all the specific fittings and materials requirements are not identified nor mentioned), contractor is to furnish and install fully functional, 100% operational acid-waste drain and ventilation piping systems plus acid-waste neutralization systems; plus all required, associated equipment: ALL in full compliance with all applicable RI codes and modern Engineering standards and practices for such systems.

DEDUCT ALTERNATE ONE: Indicate the decrease in costs (to be subtracted from the BASE BID price) which apply if the College directs the Contractor to ONLY furnish and install one 400-gallon A-W neutralization tank, one Neptune mixer, one pH-sensing electrode, two metering pumps and two sulfuric-acid and sodium hydroxide drums instead of the quantities specified on the PLANS. All other requirements specified in the PLANS would remain unchanged.

The following is the COMPLETE List of PLANS for this Contract:

1. PLAN: Crawl Space & Mechanical Room Requirements
2. PLAN: ADDITIONAL Piping Requirements
3. PLAN: ADDITIONAL Mechanical Room Requirements
4. PLAN: STILL MORE Mechanical Room Requirements
  
5. PLAN: EVEN MORE Mechanical Room Requirements
6. PLAN: Controls & Mechanical Room Requirements
7. PLAN: ADDITIONAL Controls & Mechanical Room Requirements.
8. PLAN: STILL MORE Controls Requirements.

### 3. DETAILED REQUIREMENTS.

3.1 Demolition. Remove and dispose-of the following off-Campus: parts of the three A-W risers in the crawl space that are designated for interception (per Notes 3 and 4 on the PLANS). Comply with Paragraph 1.11 of these Specifications.

3.2 ASBESTOS-Containing Materials. If the contractor encounters any asbestos pipe insulation or floor tiles or other asbestos-containing materials (ACM) which interfere with the accomplishment of a requirement of this contract, the College will have such ACM removed from Campus by another contractor AT NO EXPENSE TO THIS HVAC-SYSTEM REPLACEMENT CONTRACTOR. This contractor will have absolutely NO asbestos removal responsibilities nor liabilities.

3.3 Support Hangers Installation. Properly locate and install all required hangers, brackets and similar structural components (as adequately described on the PLANS) to support the specified drain and ventilation piping, valves; electrical-service conduits, wiring, equipment. All bolt holes in the supporting steel members are to be drilled. All holes in masonry and concrete (floors and ceilings) for anchor bolts supporting hangers shall be core-drilled at the required diameter for the fastener or anchor being installed; and installed in accordance with the applicable Manufacturer instructions. All fasteners are to be galvanized; and securely tightened.

3.4 Installation of Piping, Acid-Waste Neutralization System Equipment, Controls Systems and Associated Electrical Equipment. Comply with all the requirements specified on the enclosed PLANS and in these Specifications: all in accordance with applicable code requirements. Make all necessary piping, controls and electrical connections.

3.5 Testing and Start-up Operations. In January 2013, Contractor is to conduct complete Equipment start-up operations (and personnel instruction), per Paragraph 1.14 of these Specifications. However, before start-up, Contractor is to fill and pressure-test all acid-waste drain piping; and ensure that no leaks occur. The start-up operations we envision include actual start-up and systems adjustments; complete system demonstration and performance verification; total instruction of Physical Plant personnel; the furnishing of maintenance data and parts lists; the setting

and adjustment of all controls and accessories; and trouble-shooting and the provision of a trouble-shooting guide.

4. EXISTING SYSTEMS UNEXPECTED REPAIRS ALLOWANCE.

EACH CONTRACTOR SUBMITTING A BID IS TO INCLUDE AN ALLOWANCE OF \$20,000 IN THE BASE BID TO COVER UNEXPECTED COSTS; SUCH AS, FOR EXAMPLE, THE COSTS OF MAKING UNANTICIPATED REPAIRS ON THE EXISTING PIPING AND ELECTRIC SYSTEMS; PLUS THE COSTS OF MAKING ANY ADDITIONAL CHANGES AND IMPROVEMENTS which may be required as a result of the State Building Commissioner review of these PLANS and Specifications.

Compensation for accomplishing these repairs or improvements, and for making any other required changes or additional equipment installation will be based on actual labor and materials costs. On work by the contractor's own personnel and workers, a combined overhead and profit of 10% is the maximum that will be approved. On work by a subcontractor, a combined overhead and profit (i.e., mark-up) of 10% for the prime contractor is the maximum that will be approved.

ANY PART OF THE \$20,000 ALLOWANCE NOT SPENT WILL BE CREDITED TO THE COLLEGE AT THE TIME OF FINAL BILLING. IF NO SYSTEMS REPAIRS NOR ADDITIONAL EQUIPMENT INSTALLATION NOR IMPROVEMENTS ARE REQUIRED, THE ENTIRE \$20,000 WILL BE CREDITED TO THE COLLEGE AT THE TIME OF FINAL BILLING.

Whenever requested, proceed to cost-estimate all required (BUT UNANTICIPATED) repairs, improvements and additional equipment installation as requested by the College Engineer. **Use the Rhode Island College Standard Change Order Document (Sample Attached) to submit each proposed Change Order.** Attach the following to EACH Contract Change Order Request document submitted: the estimated personnel hours and applicable (prevailing) wage rate for each trade or skill required to complete the proposed change order; and the detailed list of materials (and unit costs) required. **ONLY UPON RECEIPT OF COLLEGE ENGINEER APPROVAL** for specific repairs and equipment installation, proceed to accomplish same.

C&FJHVES-11\AcidWaste (3 Aug 2012)

**RHODE ISLAND COLLEGE  
CONTRACT CHANGE ORDER**

**P.O. No.** \_\_\_\_\_

**Change Order No.** \_\_\_\_\_

Project: (as identified at the start of the Specifications)

To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

In accordance with Specifications Paragraph \_\_\_\_\_ of the above named contract, the following change is made and incorporated into said contract:

(See Attached Detailed Increased "Time and Materials" Requirements)

The Contract Price is changed as follows: \_\_\_\_\_

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The Contract Performance Dates and/or Duration are changed as follows:

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All other terms and conditions of subject contract remain in full force and effect.

Submitted by: \_\_\_\_\_ (Contractor) \_\_\_\_\_ (date)

Approved by: \_\_\_\_\_ (College Engineer) \_\_\_\_\_ (date)

Accepted by: \_\_\_\_\_ (Contractor) \_\_\_\_\_ (date)

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**FOR OWNER USE ONLY**

Original Contract Price (Excluding Allowance) \_\_\_\_\_  
Current Contract Price (Including Obligated Portion of Allowance) \_\_\_\_\_

BID STANDARD TERMS AND CONDITIONS

**TERMS AND CONDITIONS FOR THIS BID**

**START DATE**

STARTING DATE \_\_\_\_\_ NO. OF WORKING DAYS REQUIRED FOR  
COMPLETION \_\_\_\_\_

**SURETY REQUIREMENTS**

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.

**WAGE REQUIREMENTS**

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at [www.purchasing.state.ri.us](http://www.purchasing.state.ri.us). SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER RI20100001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

TERMS CONTINUED:

**INSPECTION REQUIREMENTS**

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS\* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. \*MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

**INSURANCE REQUIREMENTS**

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: \* PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. \* BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. \* SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. \* ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. \* VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

**TERMS CONTINUED:**

**FISCAL YEAR - AWARD EXTENDING PAST FISCAL YR END**

AWARDS EXTENDING BEYOND JUNE 30TH ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

**RIVIP INFO - BID SUBMISSION REQUIREMENTS**

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. 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.

**AWARD**

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

**TERMS CONTINUED:**

**SUBSTITUTION TERMS**

A) THE MATERIALS, PRODUCTS, AND EQUIPMENT DESCRIBED IN THE BIDDING DOCUMENTS ESTABLISH A STANDARD OF REQUIRED FUNCTION, DIMENSION, APPEARANCE, AND QUALITY TO BE MET BY ANY PROPOSED SUBSTITUTION. B) NO SUBSTITUTION WILL BE CONSIDERED PRIOR TO RECEIPT OF BIDS UNLESS WRITTEN REQUEST FOR APPROVAL HAS BEEN RECEIVED BY THE ARCHITECT AT LEAST 10 DAYS PRIOR TO THE DATE FOR RECEIPT OF BIDS. SUCH REQUESTS SHALL INCLUDE THE NAME OF THE MATERIAL OR EQUIPMENT FOR WHICH IT IS TO BE SUBSTITUTED AND A COMPLETE DESCRIPTION OF THE PROPOSED SUBSTITUTION INCLUDING DRAWINGS, PERFORMANCE, AND TEST DATA AND OTHER INFORMATION NECESSARY FOR AN EVALUATION. A STATEMENT SETTING FORTH CHANGES IN OTHER MATERIALS, EQUIPMENT, OR OTHER PORTIONS OF THE WORK, INCLUDING CHANGES IN THE WORK OF OTHER CONTRACTS THAT INCORPORATION OF THE PROPOSED SUBSTITUTION WOULD REQUIRE, SHALL BE INCLUDED. THE BURDEN OF PROOF OF THE MERIT OF THE PROPOSED SUBSTITUTION IS UPON THE PROPOSER. THE ARCHITECT'S DESIGNION OF APPROVAL OR DISAPPROVAL OF A PROPOSED SUBSTITUTION SHALL BE FINAL. C) IF THE ARCHITECT APPROVES A PROPOSED SUBSTITUTION PRIOR TO RECEIPT OF BIDS, SUCH APPROVAL WILL BE SET FORTH IN AN ADDENDUM. BIDDERS SHALL NOT RELY UPON APPROVALS MADE IN ANY OTHER MANNER. D) NO SUBSTITUTIONS WILL BE CONSIDERED AFTER THE CONTRACT AWARD UNLESS SPECIFICALLY PROVIDED FOR IN THE CONTRACT DOCUMENTS.

**LICENSE REQUIREMENTS**

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

**END DOCUMENT**