



Bid No. 2012-12

CONTRACT DOCUMENTS

AND

SPECIFICATIONS

FOR

**WATER TREATMENT PLANT
FILTER REHABILITATION**

**CITY OF SARATOGA SPRINGS, NEW YORK
SARATOGA COUNTY, NEW YORK**

**CONTRACT 1A – GENERAL CONSTRUCTION
CONTRACT 1B – ELECTRICAL CONSTRUCTION**

**MARCH 2012
REVISED MAY 2012**

CITY COUNCIL

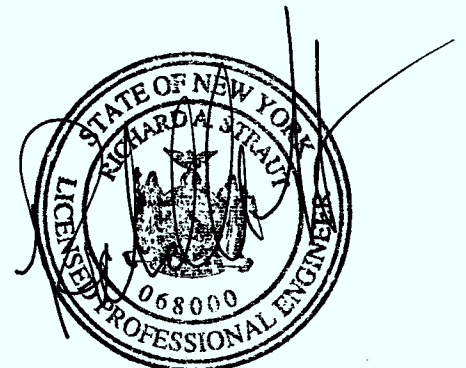
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ANTHONY SCIROCCO – COMMISSIONER OF PUBLIC WORKS
CHRISTIAN MATHIESEN – COMMISSIONER OF PUBLIC SAFETY
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PREPARED BY:

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NO ALTERATION PERMITTED HEREIN EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.



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for

**CITY OF SARATOGA SPRINGS
WATER TREATMENT PLANT FILTER REHABILITATION**

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ADDENDUM NO. 1 TO IFB# 2012-12

Water Treatment Plant Filter Rehabilitation

May 16, 2012

NOTE: This Addendum forms a part of the Contract Documents

TO ALL HOLDERS OF THE CONTRACT DOCUMENTS:

This Addendum is part of the Contract Documents in accordance with the Information for Bidders Article 7.08 of the Contract Documents and Specifications

1. Reference Table of Contents – Page TC - 2

ADD to Section 00484 “Vendor/Supplier Code of Conduct”.

2. Reference Specification Section 00301 – Bidder’s Checklist

REMOVE this section in its entirety and SUBSTITUTE THEREFORE with attached specification section 00301-1R “Bidder’s Checklist”.

3. Reference Specification Section 00484

ADD the attached form labeled “Vendor/Supplier Code of Conduct”, page 00484-8, in its entirety.

4. Reference Specification Section 00484

REMOVE header on sheets 00484-1 thru 00484-5 “IFB Opening: May 29, 2012, 2 p.m.” and SUBSTITUTE THEREFORE with “IFB Opening: May 29, 2012, 10 a.m.”.

5. Reference Specification Section 00499

REMOVE header on sheets 00484-1 thru 00484-5 “IFB Opening: May 29, 2012, 2 p.m.” and SUBSTITUTE THEREFORE with “IFB Opening: May 29, 2012, 10 a.m.”.

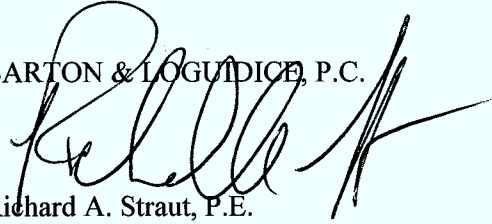
6. Reference Specification Section 11378 – Multistage Centrifugal Blower

REMOVE section 2.2.c and SUBSTITUTE THEREFORE with the following:

“c. Discharge Pressure: 5.2 psig”

7. ADD attached Specification Section 15300 – Mechanical Piping System in its entirety.
8. ADD attached Specification Section 15381 – Process Piping and Valves in its entirety.

BARTON & LOGUIDICE, P.C.



Richard A. Straut, P.E.
Principal

END OF ADDENDUM



Bid No. 2012-12

SECTION 00301

BIDDER'S CHECKLIST

(All pages of this color to be completed by Bidder PRIOR to Bid Submission)

Bid Forms, Page 00370-1-7: All blanks appropriately filled in ink with both words and figures, and signed where applicable.

State and Federal Requirements: Each of the following forms must be executed:

STATEMENT OF SURETY'S INTENT, Page 00481-1: Requires completion and signature by Surety's Representative.

ACKNOWLEDGEMENTS, Page 00484-1, Requires Bidder's signature and completion:

WAIVER OF IMMUNITY AND NON-COLLUSIVE BIDDING CERTIFICATION, Page 00484-2, Requires Bidder's signature and information.

STATEMENT OF BIDDERS QUALIFICATIONS, Page 00484-3 and 00484-4, requires Bidder's signature and information.

INSURANCE GUARANTEE FORM, Page 00484-5, requires Bidder's signature and information.

RISK AND SAFETY AGREEMENT, Pages 00484-6 and 00484-7, requires Bidder's signature and information.

VENDOR/SUPPLIER CODE OF CONDUCT, Page 00484-8, requires Vendor's signature and information.

BID BOND, Page 00499-1: Attach Bid Security to page labeled "BID BOND" (ATTACH HERE - CERTIFIED CHECK OR BID BOND).

NOTE: To Bid all Contracts, the Bidder must fill in all pages this color.

END OF SECTION



Vendor/Supplier Code of Conduct

The City of Saratoga Springs is committed to conduct business in a lawful, ethical and moral manner. The City requires that all vendors/suppliers abide by this Code of Conduct. Failure to comply with this Code may be sufficient cause for the City to exercise its' rights to terminate its' business relationship with vendors/suppliers. Vendors/suppliers agree to provide all information requested which is necessary to demonstrate compliance with this Code.

At a minimum, the City requires that all vendors/suppliers meet the following standards:

- Legal: Vendors/suppliers and their subcontractors agree to comply with all applicable local, state and federal laws, regulations and statutes.
- The City expects vendors/suppliers to respect the City's rules and procedures.
- Wages & Benefits: Vendors/suppliers will set working hours, wages, and NYS statutory benefits and overtime pay in compliance with all applicable laws and regulations. Where applicable, as defined by NYS Labor Law, the vendor/supplier must comply with prevailing wage rates.
- Health & Safety: Vendors/suppliers and their subcontractors shall provide workers with a safe and healthy work environment that complies with local, state and federal health and safety laws.
- Discrimination: No person shall be subject to any discrimination in employment, including hiring, salary, benefits, advancement, discipline, termination or retirement on the basis of gender, race, religion, age, disability, sexual orientation, nationality, political opinion, party affiliation or social ethnic origin.
- Working conditions: Vendors/suppliers must treat all workers with respect and dignity and provide them with a safe and healthy environment.
- Right to organize: Employees of the vendor/supplier should have the right to decide whether they want collective bargaining.
- Subcontractors: Vendors/suppliers shall ensure that subcontractors shall operate in a manner consistent with this Code.
- Protection of the Environment: Vendors/suppliers shall comply with all applicable environmental laws and regulations. Vendors/suppliers shall ensure that the resources and material they use are sustainable, are capable of being recycled and are used effectively and a minimum of waste. Where practicable, vendors/suppliers are to utilize technologies that do not adversely affect the environment and when such impact is unavoidable, to ensure that it is minimized.

Vendor Acknowledgement

The undersigned vendor/supplier hereby acknowledges that it has received the City of Saratoga Springs Vendor/Supplier Code of Conduct and agrees that any and all of its facilities and subcontractors doing business with the City will receive the Code and will abide by each and every term therein.

Vendor/supplier acknowledges that its failure to comply with any condition, requirement, policy or procedure may result in the termination of the business relationship. Vendor/supplier reserves the right to terminate its agreement to abide by the Code of Conduct at any time for any reason upon ninety (90) days prior written notice to the City.

Signature: _____

Printed name: _____

Title: _____

Date: _____

Company Name: _____

Company Address: _____

SECTION 15300

MECHANICAL PIPING SYSTEMS

PART 1 - GENERAL

1.1 DESCRIPTION:

1.1.1 Under this Section, the Contractor shall install materials and equipment for Mechanical Piping Systems as shown on the Plans, as specified and/or directed.

1.2 REFERENCES: The publications listed below and their latest revisions form a part of this Specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.2.1 American National Standards Institute (ANSI) Publications:

B1.1	Unified Inch Screw Threads (UN and UNR Thread Form)
B2.1	Pipe Threads (Except Dryseal)
B16.3	Malleable Iron Threaded Fittings Class 150 and 300
B16.5	Pipe Flanges and Flanged Fittings
B16.9	Factory-Made Wrought Steel Buttwelding Fittings
B16.10	Face-to-Face and End-to-End Dimensions of Ferrous Valves
B16.11	Forged Steel Fittings, Socket Welding and Threaded
B16.21	Nonmetallic Flat Gaskets for Pipe Flanges
B16.34	Valves-Flanged and Buttwelding End
B18.2.1	Square And Hex Bolts and Screws Inch Series Including Hex Cap Screws and Lag Screws
B18.2.2	Square and Hex Nuts
B31.9	Building Services Piping
Z 49.1	Safety In Welding and Cutting

SECTION 15300

MECHANICAL PIPING SYSTEMS

1.2.2 American Society for Testing and Materials (ASTM) Publications:

A53	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless
A120	Pipe, Steel, Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless, for Ordinary Uses
A126	Gray Iron Castings for Valves, Flanges, and Pipe Fittings
A194	Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service
D1654	Painted or Coated Specimens Subjected to Corrosive Environments

1.2.3 Manufacturers Standardization Society of the Valve and Fittings Industry (MSS) Publications:

SP 58	Pipe Hangers and Supports - Materials, Design and Manufacture
SP 69	Pipe Hangers and Supports - Selection and Application
SP 70	Cast Iron Gate Valves, Flanged and Threaded Ends
SP 80	Bronze Gate, Globe, Angle and Check Valves
SP 83	Carbon Steel Pipe Unions Socket-Welding and Threaded

1.3 GENERAL REQUIREMENTS: Section 15011, "Mechanical General Requirements", applies to this Section with additions and modifications specified herein.

1.4 SUBMITTALS:

1.4.1 Manufacturer's Data:

- a. Piping and Fittings
- b. Gaskets
- c. Valves

SECTION 15300

MECHANICAL PIPING SYSTEMS

- d. Piping Accessories
- e. Hangers and Supports

1.4.2 Welding Submittals: As required by ANSI B31.9 and ANSI B31.5.

1.5 WELDING REQUIREMENTS:

1.5.1 Welding Procedure: Before any welding is performed, the Contractor shall submit to the Owner's Representative three copies of welding procedure specification for all metals included in the work, together with proof of its qualifications in accordance with ANSI B31.9 and ANSI B31.5.

1.5.2 Performance Qualification Record: Before any welder or operator performs any welding, the Contractor shall also submit to the Owner's Representative three copies of the Welder's Performance Qualification Record in conformance with ANSI B31.9 and ANSI B31.5 showing that the welder was tested under the approved procedure specification submitted by the Contractor. In addition, the Contractor shall submit the assigned number, letter, or symbol used to identify the work of the welder, and affix it immediately upon completion of the weld. Give welders making defective welds, after passing a qualification test, a requalification test, and do not permit them to work under this Contract if they fail the requalification test.

1.5.3 Previous Qualifications: Welding procedures, welders, and welding operators previously qualified by test may be accepted for this Contract without requalifying subject to the approval of the Owner's Representative and provided that all the conditions specified in ANSI B31.9 and ANSI B31.5 are met before a procedure is used.

1.6 SAFETY PRECAUTIONS:

1.6.1 Rotating Equipment Safety: Fully guard couplings, motor shafts, gears and other exposed rotating or rapidly moving parts in accordance with ASME B15.1. The guards shall be cast iron or expanded metal. Guard parts shall be rigid, secured, and readily removable without disassembling the guarded unit.

1.6.2 Welding and Cutting Safety: ANSI Z49.1.

SECTION 15300

MECHANICAL PIPING SYSTEMS

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 **INSTALLATION:** Install piping and piping components to ensure proper and efficient operation of the equipment and controls and in accordance with manufacturer's printed instructions. Provide proper supports for the mounting of vibration isolators, stands, guides, anchors, clamps and brackets. Arrange piping connections to equipment so that removal of equipment or components of equipment can be accomplished with the least amount of disassembly or removal of the piping system. Provide piping connected to equipment with vibration isolators with flexible connections, which shall conform to vibration and sound isolation requirements for the system. Electric isolation shall be provided between dissimilar metals to reduce the rate of galvanic corrosion.

3.2 **PIPING SYSTEMS:** Cut to the measurements established at the site and work into place without springing or forcing.

3.2.1 **Flanged Joints:** Faced true, square, tight and used as indicated and where necessary for normal maintenance. Mate with valves and the various equipment connections. Remove the raised faces when used with flanges having a flat face.

3.2.3 **Reducing Fittings:** Use to connect changes of sizes in piping lines. Make branch connections with tees except that factory-made, forged-steel welding branch outlets or nozzles having integral reinforcements and conforming to ANSI B31.9 may be used if the nominal diameter of the piping system branch does not exceed one nominal pipe size less than the nominal size of the piping segment containing the fitting. Reducer bushing shall not be used.

3.2.4 **Insulation:** Piping insulation shall be in accordance with Section 15250, "Insulation of Mechanical Systems".

3.2.5 **Dielectric Unions or Flanges:** Provide between ferrous and nonferrous piping, equipment, and fittings; except that bronze valves and fittings may be used without dielectric couplings for ferrous-to-ferrous or nonferrous-to-nonferrous connections. Flanges and unions shall conform to the requirements of ANSI B16.10.

3.2.6 **Pipe Hangers and Supports:** Where not shown, design and fabrication of pipe hangers, supports, and welding attachments shall conform to MSS SP 58. Hanger types and supports for bare and covered pipes shall conform to MSS SP 69 for the system temperature range. Unless otherwise indicated, horizontal and vertical piping attachments shall conform to MSS SP 58.

SECTION 15300

MECHANICAL PIPING SYSTEMS

Provide metal protection shields and inserts for insulated piping in accordance with Section 15250, "Insulation of Mechanical Systems".

3.2.7 Pipe Sleeves: Provide pipe sleeves for pipes and tubing which penetrate the building structures as shown. Securely retain sleeves in position and location before and during construction. Space between pipe and sleeves shall be not less than 1/4 inch or greater than 1 inch between outside of pipe, and inside wall of sleeves. Fill the annular space with silicone sealer as shown. Seal terminal ends of pipe insulation with mastic where required.

3.3 AIR HEADER

3.3.1 Fabrication and Assembly of Piping and Components: Welding, heating, and soldering shall conform to ANSI B31.9 and as specified herein. Provide sufficient pitch to assure adequate drainage and venting. All piping shall follow the general arrangement shown, cut accurately to measurements established for the work by the Contractor, and worked into place without springing or forcing, except where cold-springing is indicated. All piping and equipment within buildings shall be entirely out of the way of adjacent utilities. Provide adequate clearance from walls and floors to permit the welding of joints and in corners provide sufficient clearance to permit the welder to work between the pipe and one wall. Provide for expansion and contraction of pipelines. Make changes in size of pipelines with reducing fittings. Reducer bushings shall not be used. Do not bury, conceal, or insulate piping until inspected, tested, and approved. Protect materials and equipment from the weather. Do not miter pipe to form elbows, or notch straight runs to form full-sized tees, or utilize any similar construction. Except where shown otherwise, run vertical piping plumb and straight and parallel to walls. Thoroughly clean each section of pipe, fittings, and valves to be free of all foreign matter before erection. Prior to erection, hold each piece of pipe in an inclined position and thoroughly tap to loosen sand, mill scale, and foreign matter. Before all final connections are made to apparatus, wash the interior of all piping thoroughly with water. Blow out piping with high pressure steam or compressed air to remove rust scale, oil, and debris. Plug or cap open ends of mains during all shutdown periods. Do not leave lines open at any place where foreign matter might accidentally enter.

3.3.1.1 Valves: Install at equipment to allow maintenance or isolation, and to establish proper and sequential operation of the complete system. Install butterfly valves with stems horizontal where necessary to avoid trapping of fluid.

3.4 CONNECTIONS TO EXISTING SERVICES: Provide connections, splices, and branches at the locations shown. When new fittings are installed into an existing pipeline for the purpose of a branch or splice, the new fittings shall be of the same diameter as the existing pipeline.

SECTION 15300

MECHANICAL PIPING SYSTEMS

3.5 CLEANING OF SYSTEMS: When installations of the various components of the piping systems are completed, clean before final closing. Clean all piping and components of scale and thoroughly flush out all foreign matter. Clean all strainers and valves thoroughly. Wipe equipment clean, removing all traces of oil, dust, dirt, or paint spots. Maintain the system in this clean condition until final approval. Clean and paint piping and equipment, as required.

3.5.1 SAFETY PROCEDURE: Ventilate work area, avoiding skin contact by using solvent resistant gloves. Observe precautions and warnings on the manufacturer's product labels.

3.6 IDENTIFICATION OF PIPING: Exposed air piping at the lagoon shall be painted for the purpose of color coding in accordance with Ten States Standards. The color shall be green. Provide painting in accordance with Section 09900, "Painting".

3.7 FIELD TESTS: After completion of the piping installation and prior to initial operation, conduct tests on the piping system. Furnish materials and equipment required for tests. Correct defects disclosed by the test. Perform test after installation and prior to acceptance in the presence of the Owner's Representative and subject to his approval. See Section 15469 for pressure and leakage testing requirements.

3.8 STARTUP AND OPERATIONAL TESTS: Start up and initially operate the system. Adjust safety and automatic control instruments as necessary to place them in required operation and sequence.

PART 4 - MEASUREMENT & PAYMENT

4.1 MEASUREMENT - MECHANICAL PIPING SYSTEMS:

4.1.1 Measurement for Mechanical Piping Systems shall include the cost of all labor and testing for the work indicated in this Section.

4.2 PAYMENT - MECHANICAL PIPING SYSTEMS:

4.2.1 For Mechanical Piping Systems, not included in other unit or lump sum price items, payment for Mechanical Piping Systems will be made at the applicable price stated in the Bid.

END OF SECTION

SECTION 15381

PROCESS PIPING AND VALVES

PART 1 - GENERAL

1.1 DESCRIPTION:

1.1.1 Under this Section, the Contractor shall furnish all materials and equipment for Process Piping and Valves, as shown on the Plans, as specified and/or directed.

1.1.2 The work also includes all accessories, appurtenances or other work required for a complete operating installation except those specifically included under other items of this Contract or other Contracts.

PART 2 - PRODUCTS

2.1 MATERIAL AND WORKMANSHIP:

2.1.1 All work and material shall conform to the applicable General Conditions, General Requirements and other Specifications except as specifically modified under this Item.

2.2 BUTTERFLY VALVES (MANUAL AND MOTOR OPERATED):

2.2.1 Valves shall be resilient seated butterfly type manufactured by Henry Pratt Company, DeZurik, or equal. Valves shall conform to AWWA C504.

2.2.2 For jointing with buried piping, butterfly valves shall have mechanical joint ends.

2.2.3 The butterfly valve shall be capable of bi-directional, drop-tight service up to 200 psi pressure.

2.2.4 Valve bodies shall be of cast iron/wafer style and meet ANSI Class 125/150 flange standards. Valve neck shall be of sufficient length to allow for flange clearance and piping installation. Valve body shall have an integrally cast top plate for direct flush mounting of manual or power actuators without use of brackets or adapters.

2.2.5 Manual actuators shall be sized to operate at the maximum pressure rating of the valve. Manual valves 6 inches and smaller shall be provided with manual lever actuators. Manual valves larger than 6 inches shall be provided with gear-driven actuators. Actuators shall be totally enclosed weatherproof housings. Those for buried services shall be grease filled per

SECTION 15381

PROCESS PIPING AND VALVES

AWWA C504, and shall be provided with extended operating nuts. Manual valves for interior or aboveground service shall be provided with handwheel or chain wheel operators as required for operation from floor or ground level.

2.2.6 Seat shall be of EPDM metal reinforced dovetail type to ensure drop-tightness, bi-directional shutoff and field replaceable. The seal shall fully isolate the valve body, stem and journal areas from the flowing media. Valve torque shall remain constant through all pressure ranges.

2.2.7 The disc shall be of aluminum-bronze with the edges and hubs hand polished to a 32 AARH or better finish to reduce friction loss. Outside diameter of the disc shall be such that, when opened, it will not interfere with adjacent piping.

2.2.8 The stem shall be of 316 stainless steel. The stem shall be one piece. The disc and stem shall be connected by a 316 stainless steel torque plug which shall provide positive engagement preventing blow-out of the one piece stem. The torque plug shall maintain a leak-proof and shake-proof connection and allow for easy disassembly. Loose or slip fit connections between the disc and stem are not allowed.

2.2.9 The valve shall have upper and lower RTFE lined stainless steel inboard stem bearings, isolated from the line media, and a heavy-duty acetal upper stem bushing. Bi-directional stem packing shall insure dry stem design. The stem packing shall be of EPDM material.

2.2.10 The valve shall be capable of being installed with the valve disc in the closed position, and require the flange spreading of 1/16-inch beyond the laying length of the valve.

2.3 ELECTRONIC ACTUATORS

2.3.1 The actuator shall be a model IQT (open/close) or an IQTM (modulating) by Rotork Controls, or approval equal.

2.3.2 Electronic Actuators shall be suitable for indoor and outdoor use capable of functioning in an ambient temperature ranging from -22degrees F and +158degrees F.

2.3.3 Electronic Actuators shall be O-ring sealed, watertight to NEMA4, 6/IP68 7 meters-72 hours and shall at the same time have an inner watertight and dustproof O-ring seal between the terminals compartment and the internal electrical elements of the actuator. The motor and all other internal electrical elements of the actuator shall be protected from ingress of moisture and dust when the terminal cover is removed for site cabling.

SECTION 15381

PROCESS PIPING AND VALVES

Enclosure must allow for temporary site storage without the need for electrical supply connection. All external fasteners shall be of stainless steel, however, the use of unprotected stainless steel fasteners (including grease lubricated) in aluminum alloy casings is not permitted.

2.3.4 The electric actuator motor shall be Class F insulated, with a time rating of at least 15 minutes at 104 degrees F or twice the valve stroking time, whichever is the longer, at an average load of at least 33% of maximum valve torque.

2.3.5 The electric actuator gearing shall be totally enclosed in an oil-filled gearcase suitable for operation at any angle. All drive gearing and components must be of metal construction and incorporate a lost-motion hammerblow feature. For rising spindle valves the output shaft shall be hollow to accept a rising stem, and incorporate thrust bearings of the ball or roller type at the base of the actuator. The design should be such as to permit the opening of the gearcase for inspection or disassembled without releasing the stem thrust or taking the valve out of service.

2.3.6 A handwheel shall be provided for emergency operation, engaged when the motor is declutched by a lever or similar means, the drive being restored to power automatically by starting the motor. The handwheel or selection lever shall not move on restoration of motor drive. Provision shall be made for the hand/auto selection lever to be locked in both hand and auto positions. It should be possible to select hand operation while electric actuator is running or start the electric actuator motor while the hand/auto selection lever is locked in hand without damage to the drive train.

The handwheel drive must be mechanically independent of the motor drive and any handwheel gearing should be such as to permit emergency manual operation in a reasonable time. Clockwise operation of the handwheel shall give closing movement of the valve unless otherwise stated in the job specification.

2.3.7 The actuator shall be furnished with a drive bushing easily detachable for machining to suit the valve stem or gearbox input shaft. Normally the drive bushing shall be positioned in a detachable base of the actuator. Thrust bearings, when housed in a separate thrust base should be of the sealed for life type.

2.4 CHECK VALVES:

2.4.1 Check valves shall be the bronze or brass mounted iron body type or shall be all brass or bronze. Unless otherwise specified, they shall be swing check valves designed for horizontal installation and working pressure of not less than 200 psi W.O.G. All check valves shall have

SECTION 15381

PROCESS PIPING AND VALVES

removable covers for access to the disc. Gate and hinge pins shall be stainless steel. Valves 4 inches and larger shall be equipped with spring and lever counterbalancing mechanism. Valves shall be equipped with flanged ends designed for 150 psi working pressure.

2.4.2 Check valves shall be as manufactured by Kennedy Valve Mfg. Co., or equal.

2.4.3 Check valves for aeration service, 2-1/2 inches and larger, shall be Class 125/150; iron body bronze mounted; wafer type with ends designed for flanged type connections; Buna-N seats; aluminum bronze disc; 316 stainless steel torsion spring and hinge pine.

2.4.4 Check valves for aeration service shall be manufactured by Clarkson Industries, Center Line, or equal.

2.5 PIPING MATERIALS:

2.5.1 Steel piping, black, welded joints shall conform to ASTM A120 or ASTM A53. Forged steel welding neck flanges or slip on welding flanges, with plain face and smooth surface shall be used. If welded steel piping is specified, no fabricated fittings, tees or wyes shall be used. All fittings shall be by the same manufacturer.

2.5.1.1 All welding of pipe and fittings shall be accomplished by proper welding equipment and operated in a thoroughly workmanlike manner and shall be in conformance with the American Standard Code for pressure piping. Welding electrodes shall conform to ASTM Specification A233, and welding rods shall conform to ASTM Specification A251. The Contractor shall employ only skilled welders capable of meeting the qualification test for the type of welding which they are to perform, and all welders shall be subjected to the qualification test required by the American Standard Code for pressure piping. All fabricated piping and fittings shall be the product of a well equipped fabricating shop employing skilled tradesmen and welders capable of meeting the qualifications test for the type of welding which they are to perform. Pipe and fittings shall be tested after fabrication and checked for irregularities. Flanges of pipes and fittings, if they are warped, shall be corrected in the proper manner acceptable to the Engineer.

2.5.2 Copper, For Inside Service: ASTM B88, Type L, with ANSI B16-18 or ANSI B16-22 solder joint fittings using ASTM B32, 95-5, tin-antimony or grade Sn96 tin-silver solder, and flux containing not more than 0.2% lead, shall be provided.

2.5.3 Galvanized steel pipe shall be steel pipe, ASTM A53 or ASTM A120, Schedule 40, hot-dip galvanized, threaded end connections, with ANSI B16.12 hot-dip galvanized threaded fittings.

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PROCESS PIPING AND VALVES

2.5.4 Steel Piping for Pressurized Air: Piping shall be provided in accordance with the following schedule unless specified or indicated otherwise.

<u>SERVICE</u>	<u>SIZES</u>	<u>PIPE</u>
Air Supply Piping	6- Inches and Larger	Type 304L, Schedule 5, Stainless Steel, ASTM A-778

2.5.4.1 End Connections:

2.5.4.1.1 Grooved-End Joints: Grooved end joints shall be of the rolled groove type prepared in strict accordance with the manufacturer's recommendations. Cutting of groove shall not be allowed.

2.5.4.1.1.1 Couplings: Couplings shall be ASTM A536 ductile iron or ASTM A47 malleable iron, rigid joint, two-piece split type with ASTM A183 bolts and nuts. Similar flexible joint type couplings shall be provided at the nearest three joints adjacent to mechanical equipment connections to facilitate equipment vibration isolation from the piping system.

2.5.4.1.1.2 Gaskets: Gaskets shall be of the central cavity pressure-responsive design constructed of Grade E EPDM compound with a service range of -30°F to 230°F for treated cooling tower water service.

2.5.4.1.1.3 Fittings: Fittings shall be grooved end type constructed of the same material as the specified piping designed to accept the mechanical grooved end coupling specified herein.

2.5.4.1.1.4 Flanged Connections: Provide Class 150 flange adapters for all flanged connections to equipment and/or specialties, with integral grooved end connections for connection to grooved end piping.

2.5.4.1.1.5 Manufacture: Grooved end piping systems shall be as by Victaulic or Gruvlok.

2.5.4.1.2 Flanged Joints:

2.5.4.1.2.1 Bolting of Flanges: Material used for bolts and studs shall conform to ASTM A307, Grade B, and material for nuts shall conform to ASTM A194, Grade 2. Dimensions of bolts, studs, and nuts shall conform to ANSI B18.2.1 and ANSI B18.2.2 with threads conforming to ANSI B1.1 coarse type with Class 2A fit for bolts and studs, and Class 2B fit for nuts. Bolts or studs shall extend through the nuts and may have reduced shanks of a diameter not less than

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PROCESS PIPING AND VALVES

the diameter at root of threads. Carbon steel bolts shall have American Standard regular square or heavy hexagon heads and shall have American Standard heavy, semi-finished hexagonal nuts.

2.5.4.1.2.2 Gaskets: ASTM D2000, fluorinated elastomers, suitable for the pressure and temperature ranges encountered, and compatible with grooves in flange faces. Dimensions for nonmetallic gaskets shall conform to ANSI B16.21.

2.5.4.2 Branch Outlet Fittings: Branch outlet fittings shall be of similar construction as grooved end couplings, two-piece collar type with Grade E EPDM gaskets and threaded outlet connection of the size required.

2.6 PIPING JOINTS:

2.6.1 Flanged fittings shall conform with ANSI A21.10. Flanged joints shall be brought to exact alignment and all gaskets and bolts or studs inserted in their proper places. Bolts or studs shall be uniformly tightened around the joints. Where stud bolts are used, the bolts shall be uniformly centered in the connections and equal pressure applied to each nut on the stud. Pipes in all lines subject to temperature changes shall be cut short and cold sprung into place to compensate for expansion when hot. Gaskets shall be ring type, 1/16" thick, cloth inserted rubber gaskets. Bolts shall be of the size and type called for in the "Cast Iron Handbook". the fitting by using a strap wrench.

2.7 HANDLING OF PIPE:

2.7.1 All pipe shall be inspected on delivery and immediately before being placed in work, and such pipe as does not conform to the Specifications will be rejected. The Contractor shall furnish all labor necessary for handling the pipe during inspection and shall remove all rejected pipe from the site.

2.7.2 Defective pipe or specials found after installation shall be removed and replaced by the Contractor at his expense.

2.7.3 Proper implements, tools and facilities satisfactory to the Engineer shall be provided and used by the Contractor for the safe and convenient prosecution of the work.

2.7.4 All pipe and fittings shall be carefully handled by means of suitable equipment, in such manner as to prevent damage to materials and protective coatings or linings. Under no circumstances shall materials be dropped or, in the case of underground piping, dumped into the trench.

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PROCESS PIPING AND VALVES

2.7.5 Every precaution shall be taken to prevent foreign matter from entering the pipe while it is being placed in the line. During installation, no debris, tools, clothing or other materials shall be placed in the pipe.

2.7.6 At times when underground pipe laying is not in progress, the open ends of the pipe shall be closed by a watertight plug or other means approved by the Engineer.

2.7.7 All drainage pipe and specials placed in excavation shall be laid to grade on a satisfactory foundation throughout the entire length and, where required, secured against settlement in a manner approved by the Engineer. Blocking under pipe will not be used without specific approval of the Engineer.

2.7.8 All pipe and specials within structures shall be placed to line and grade and properly supported before joints are made. The Contractor shall furnish all the necessary pipe supports to sustain the pipe and fittings in a firm and substantial manner to the lines and grades given.

2.7.9 Where cutting of pipe is required to make connection to new or existing work, it shall be done with the proper tools and in workmanlike manner. No extra compensation will be allowed for such cutting.

2.8 PIPE SLEEVES:

2.8.1 Sleeves in Masonry and Concrete Walls, Floors, and Roofs: ASTM A53 or ASTM A120, Schedule 40 or Standard Weight, hot-dip galvanized steel pipe sleeves.

2.8.2 Sleeves in Partitions and Other Than Masonry and Concrete Walls, Floors, and Roofs: Hot-dip galvanized steel sheet having a nominal weight of not less than 0.90 pounds per square foot.

2.9 MECHANICAL SEALS:

2.9.1 Acceptable mechanical seals shall be those which will completely seal the space by a system of interlocking synthetic rubber links shaped to continuously fill the annular air space between the piping and wall sleeve or wall opening when the bolted assembly is tightened.

2.9.2 Mechanical seals shall be as manufactured by Thunderline Corporation/Link Seal, or equal.

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PROCESS PIPING AND VALVES

2.10 FLANGE ADAPTORS:

2.10.1 Flange adaptors shall be utilized or installed as a minimum as indicated on the Contract Drawings. Flange adaptors shall be used with carbon steel pipe.

2.10.2 Flange adaptors shall be of the slip-on type, retained by setscrews and able to withstand 150 psi working pressure. Flange adaptors shall be of ductile iron, in accordance with ASTM A536, Grade 65-45-12.

2.10.3 Setscrews shall be manufactured of AISI 4140 steel, heat treated, zinc plated and shall have a minimum tensile strength of 190,000 psi.

2.10.4 Gasket shall be of Viton and withstand a temperature range of 50°F to 450°F.

2.10.5 The flange adaptor shall be as manufactured by Uniflange, Series 400, or equal.

2.11 SHOP AND FIELD PAINTING:

2.11.1 All surfaces specified for painting shall be painted in accordance with Section 09900, "Painting".

PART 3 - EXECUTION

(NOT USED)

PART 4 - MEASUREMENT & PAYMENT

4.1 MEASUREMENT - PROCESS PIPING AND VALVES:

4.1.1 Measurement for Process Piping and Valves shall include the cost of all materials, equipment, labor, submittals and testing for the work indicated in this Section.

4.2 PAYMENT - PROCESS PIPING AND VALVES:

4.2.1 For Process Piping and Valves not included in other unit or lump sum price items, payment for Process Piping and Valves will be made at the applicable price stated in the Bid.

END OF SECTION



ADDENDUM NO. 2 TO IFB# 2012-12

Water Treatment Plant Filter Rehabilitation

May 22, 2012

NOTE: This Addendum forms a part of the Contract Documents

TO ALL HOLDERS OF THE CONTRACT DOCUMENTS:

This Addendum is part of the Contract Documents in accordance with the Information for Bidders Article 7.08 of the Contract Documents and Specifications

1. Reference Specification Section 00160 – Additional Instructions

Refer to Article 00160.01 – Mandatory Pre-Bid Meeting, REMOVE the word “mandatory” from title and text of article. DELETE the last sentence which states: “The Contractor must have an authorized representative of his firm present at this meeting in order to place a bid on this Contract.”

2. Reference Section 11333 – Filtration Equipment

REMOVE section 2.8.3.1 in its entirety and SUBSTITUTE THEREFORE with the following:

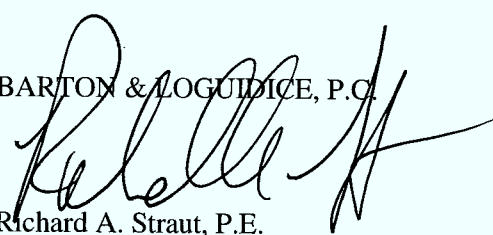
“2.8.3.1 Existing cast iron venturi flow meters are to remain. Contractor shall clean interior surfaces and orifices using a high pressure water wash, scrub cleaning or other approved method.”

3. Reference Sheet G-3 Process Piping Removals and Improvements – Partial Plans and Sections

Refer to Section Removals/Improvements 1, note “Replace existing venturi and rate of flow controls”, and REMOVE this note in its entirety. SUBSTITUTE THEREFORE with the following:

“Replace existing differential pressure transmitter. Existing cast iron venturi to remain. Contractor shall clean interior surfaces and orifices using a high pressure water wash, scrub cleaning or other approved method.”

BARTON & LOGUIDICE, P.C.



Richard A. Straut, P.E.
Principal

END OF ADDENDUM



Bid No. 2012-12

SECTION 00020

NOTICE TO BIDDERS

Sealed bids for the furnishing of all labor and material necessary for the Water Treatment Plant Filter Rehabilitation, will be received by the City of Saratoga Springs, Office of the Commissioner of Accounts, City Hall, 474 Broadway, Saratoga Springs, New York 12866 until 10:00 A.M. local time Tuesday, May 29, 2012, at which time and place they will be publicly opened and read aloud. **ORIGINAL AND ONE COPY** of each shall be submitted.

Bids will be received for the following Contracts:

Contract No. 1A – General Construction: The work includes furnishing and installing of equipment and materials to refurbish the City of Saratoga’s water treatment plant filters. Each of the four (4) filters owned by the Saratoga Springs Water Treatment Plant (WTP) are to be taken offline and rehabilitated, starting with Filter No. 2, maintaining service of the WTP operation at all times. The rehabilitation will include removal of the filter media, removal of under drains, concrete repairs and preparation for new filter components, installation of new under drains with air scour capabilities and filter media. Rehabilitation will also include installation of new controls, valve rehabilitation, filter control panels, blowers and appurtenances.

Contract No. 1B – Electrical Construction: Items include the demolition of an existing 300kVA transformer and four (4) control panels along with associated appurtenances. New work shall include a 750kVA dry type transformer, a 300kVA dry type transformer, a new 800 amp panel board installation, providing power to a new 150 HP motor with associated soft start, wiring to two (2) new control panels and all associated control devices. The work shall include all electrical power and control circuits. Temporary power and work coordination will be required.

Contract Documents, including Notice to Bidders, Information For Bidders, Labor and Employment, Additional Instructions, Bid Documents, Agreement, General Conditions, General Requirements, Specifications, Contract Drawings and any Addenda, may be examined at no expense at the office of Barton & Loguidice, P.C., 10 Airline Drive, Suite 200, Albany, New York 12205 or at the City Clerk’s Office, City Hall, 474 Broadway, Saratoga Springs, New York 12866.



Bid No. 2012-12

SECTION 00020

NOTICE TO BIDDERS

Contract Documents will be provided electronically on compact disc (CD) in pdf format and may be obtained at the City of Saratoga Springs, City Clerk's Office, 474 Broadway, Saratoga Springs, New York 12866. There will be a non-refundable charge of Twenty Dollars (\$20). The CD does not need to be returned. Checks shall be made payable to the "City Clerk".

Each bid must be accompanied by security in an amount not less than ten percent (10%) of the amount of the bid in the form and subject to the conditions provided in the Information for Bidders. No Bidder may withdraw his bid within sixty (60) days after the actual date of opening thereof.

In order for prospective Bidders to become familiar with the project, ask questions and view the project site, a **pre-bid meeting will be held on May 15, 2012, at 10:00 A.M.** Prospective bidders will meet at the Marion Avenue Water Treatment Plant, Saratoga Springs, New York 12866. At this meeting the general scope of the project will be reviewed and questions will be received regarding the work. Minutes will not be issued for this meeting. Any interpretations and/or clarifications necessitated by this meeting will be issued by a follow-up addendum.

This is an exempt capital improvement project, and Bidders shall not include in their bid sales and compensating use taxes on the cost of materials which are to be incorporated into the work and which are to be separately sold by the Contractor to the City of Saratoga Springs prior to incorporation into the work of the Contracts.

The attention of Bidders is particularly called to the requirements as to conditions of employment to be observed and minimum wage rates to be paid under the Contract(s).

The right is reserved to waive any informalities in the Bid and to reject any or all Bids.

END OF SECTION



Bid No. 2012-12

SECTION 00050

QUANTITIES FOR CANVASS OF BIDS

CONTRACT NO. 1A

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>
1	General Construction	NEC	LS
2	Concrete Repairs	400	SF
3	Alternate Bid Item No. 1: Removal and Disposal of Existing Filter Media	NEC	LS

CONTRACT NO. 1B

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>
1	Electrical Construction	NEC	LS

END OF SECTION



Bid No. 2012-12

SECTION 00100

INFORMATION FOR BIDDERS

00100.01 LOCATION OF THE WORK

The work for the Water Treatment Plant Filter Rehabilitation is located at the Water Treatment Plant at the corner of Marion and Excelsior Avenues in the City of Saratoga Springs, New York.

00100.02 DESCRIPTION OF THE WORK

The items of work under this Contract include, but are not necessarily limited to the following:

Contract No. 1A – General Construction: The work includes furnishing and installing of equipment and materials to refurbish the City of Saratoga’s water treatment plant filters. Each of the four (4) filters owned by the Saratoga Springs Water Treatment Plant (WTP) are to be taken offline and rehabilitated, starting with Filter No. 2, maintaining service of the WTP operation at all times. The rehabilitation will include removal of the filter media, removal of underdrains, concrete repairs and preparation for new filter components, installation of new underdrains with air scour capabilities and filter media. Rehabilitation will also include installation of new controls, valve rehabilitation, filter control panels, blowers and appurtenances.

Contract No. 1B – Electrical Construction: Items include the demolition of an existing 300kVA transformer and four (4) control panels along with associated appurtenances. New work shall include a 750kVA dry type transformer, a 300kVA dry type transformer, a new 800 amp panelboard installation, providing power to a new 150 HP motor with associated soft start, wiring to two (2) new control panels and all associated control devices. The work shall include all electrical power and control circuits. Temporary power and work coordination will be required.

00100.03 COMMENCEMENT AND COMPLETION OF THE WORK

Upon execution of the Contract including delivery of the Performance Bond, Labor & Materials Payment Bond and insurance policies and certificates by the Contractor to the Owner and the approval thereof by the Owner's attorney, the Contractor will be notified to proceed with



Bid No. 2012-12

SECTION 00100

INFORMATION FOR BIDDERS

the work. Such notification will be in the form of a letter to proceed from the Engineer.

The Contractor shall give the Engineer at least five (5) days written notice of the date he intends to start work at the site.

All work items of the Contracts shall be substantially completed within Three Hundred Sixty-Five (365) calendar days following the date the Contractor is notified to proceed with the work unless such period is extended by the Owner as provided herein. All work items shall have final completion within forty-five (45) calendar days following the date the Contractor is notified of being substantially complete.

00100.04 COLLATERAL WORK AND CONDITIONS OF WORK

Each Bidder shall inform himself fully of the conditions relating to the construction of the Project and the employment of labor thereon. Failure to do so will not relieve a successful Bidder, as Contractor, of his obligation to furnish all material and labor necessary to carry out the provisions of his Contract. Insofar as possible, the Contractor, in carrying out the work, shall employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor. (See also Section 01012.01.)

Each Contractor will be required to coordinate his work with the work of other Contracts. Each Contractor will be required to adjust his schedule accordingly.

00100.05 RECEIPT AND OPENING OF BIDS

The City of Saratoga Springs (herein called the Owner) invites Bids on the attached forms. Bids will be received by the Owner until the time and at the place stated in the attached Notice to Bidders. Bids must be sealed in envelopes addressed to City of Saratoga Springs – Accounts Department, 474 Broadway, Saratoga Springs, New York 12866. The outside of the envelope shall bear the name and address of the Bidder and shall be labeled to clearly show the Contract designation for which the Bid is submitted.



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SECTION 00100

INFORMATION FOR BIDDERS

00100.06 INFORMALITIES, WAIVERS AND WITHDRAWALS

The Owner may consider informal any Bid not prepared and submitted in accordance with the provisions hereof and may waive any informalities in or reject any or all Bids. Bids which do not contain a price for every numbered item contained in the Bid form will not be accepted.

Any Bid may be withdrawn prior to the scheduled deadline for receipt of Bids or authorized postponement thereof, but no Bid may be withdrawn within sixty (60) days after the actual date of the opening thereof. Any Bid received after the time and date specified will not be considered, and will be returned unopened.

00100.07 BID PREPARATION

Unless otherwise noted thereon, all blanks on the Bid forms must be appropriately filled in with ink and with both words and figures, and the Bid must be properly executed.

All Contract Documents, except the Contract Drawings, the Performance Bond, Labor & Materials Payment Bond, Certificate of Insurance and any Addenda, are contained in this binder. The Contract Drawings are bound separately. All Contract Documents, except the Contract Drawings, Performance Bond and Labor & Materials Payment Bond, and Certificate of Insurance must be submitted with the Bid. The Contract Documents are defined in the Agreement.

Any Bidder may modify his Bid by telegraphic or facsimile communication at any time prior to the scheduled closing time for receipt of Bids, provided such telegraphic or facsimile communication is received by the Owner prior to the closing time, and, provided further, the Owner is satisfied that a written confirmation of the telegraphic or facsimile modification over the signature of the Bidder was mailed prior to the closing time. The telegraphic or facsimile communication should not reveal the Bid price but should provide the addition or subtraction or other modification so that the final prices or terms will not be known by the Owner until the sealed Bid is opened. If written confirmation is not received within three days from the closing time, no consideration will be given to the telegraphic or facsimile modification.



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SECTION 00100

INFORMATION FOR BIDDERS

00100.08 ADDENDA AND INTERPRETATIONS

No verbal interpretation of the intent of any of the Contract Documents will be made before receipt of Bids. Requests for interpretations prior to receipt of Bids must be presented in writing to the City Engineer of Saratoga Springs, 474 Broadway, Saratoga Springs, New York 12866, tim.wales@saratoga-springs.org and to be given consideration must be received at least five (5) business days prior to the date set for the opening of Bids.

Any interpretation, and any additional information or instruction will, if issued, be in the form of a written Addendum or Addenda sent by email to all holders of Contract Documents at the email address furnished therefor, at least three (3) days prior to the date of the opening of Bids.

Failure of any Bidder to receive any such Addendum or interpretation shall not relieve such Bidder from any obligation under this Bid as submitted. All Addenda so issued shall become a part of the Contract Documents.

00100.09 QUALIFICATIONS OF BIDDERS

The Owner reserves the right to make such investigation as he may deem necessary or advisable to determine any Bidder's ability to do the work, and the Bidder shall furnish to the Owner on request all data and information pertinent thereto. The Owner reserves the right to reject any Bid if such investigation fails to satisfy the Owner that the Bidder is fully qualified to do the work.

Conditional Bids will be considered informal and will be rejected.

Immediately following the Canvass of Bids the Low Bidder, if so requested, shall furnish the Owner a sworn and notarized financial statement, and a statement of his qualifications and experience.

00100.10 OBLIGATIONS OF BIDDERS

At the time of the opening of Bids, each Bidder will be presumed to have inspected the Site, to have informed himself fully of the conditions relating to the work and labor required for the work, and to have read and acquainted himself with all the Contract Documents. Failure



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INFORMATION FOR BIDDERS

to do so will not relieve the Bidder who is awarded the Contract of his obligation to complete the work for the price or prices bid, or of any other obligation under the Contract. The failure or omission of any Bidder to receive or examine any Bid Documents shall in no way relieve him from any obligation in respect to his Bid.

00100.11 BID SECURITY

Each Bid must be accompanied by cash in United States currency or a certified check of the Bidder in an amount not less than ten percent (10%) of the Bid. A Bid Bond, fully executed by the Bidder as principal, and having as surety thereon a surety company approved by the Owner and authorized to do business in New York State, will be accepted in lieu of cash or certified check. Checks should be made payable to the "City Clerk."

Such cash, checks or Bid Bonds will be returned to all except the three lowest Bidders within three working days after the opening of Bids. The remaining deposits will be returned to the three lowest Bidders within three working days after execution of the Contract, or, if no Contract is executed within 60 calendar days after opening of Bids, upon demand of the Bidder at any time thereafter so long as he has not been notified of the acceptance of his Bid.

00100.12 LIQUIDATED DAMAGES FOR FAILURE TO EXECUTE CONTRACT

Should the successful Bidder refuse or fail to execute the Contract and Bond within five (5) working days after receipt of notice of the acceptance of his Bid, the security deposited with his Bid shall be forfeited to the Owner as liquidated damages for such refusal or failure.

00100.13 DISCREPANCY IN BIDS

In the event a discrepancy exists in any Bid between the prices written in words and the prices written in figures, the prices written in words shall govern. If a discrepancy exists in any bid between unit prices and the extended totals therefor, the unit prices shall govern. In either of the above cases, the extended totals, and the total of all extensions, shall be corrected, if necessary, and the Bid may not be considered informal.



Bid No. 2012-12

SECTION 00100

INFORMATION FOR BIDDERS

00100.14 LOWEST BIDDER

Bids will be compared on the basis of the totals for the Contract, corrected as necessary in conformance with Article 00100.13, given at the bottom of the schedule of quantities, prices and extensions. Such total in each Bid shall be the sum of all lump sum prices, plus the sum of all the extensions produced by multiplying the unit price in each case by the corresponding listed quantity.

00100.15 AWARD OF CONTRACT

The Contract will be awarded to that responsible Bidder whose Bid, after corrections and adjustments, totals the least number of dollars.

The Owner reserves the right to reject any and all Bids.

END OF SECTION



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.01 GENERAL

The Contractor and every Subcontractor on public works contracts shall comply with Article 8 of the State Labor Law, as amended.

00150.02 POSTING MINIMUM WAGE RATES & KEEPING RECORDS

The Contractor and every Subcontractor on public works contracts shall post in a prominent and accessible place on the Site a legible statement of all wage rates and supplements as specified in the Contract to be paid or provided, all redeterminations of such schedules as the case may be, for the various classes of mechanics, workmen and laborers employed on the work. Other notices to be posted are the Workers' Compensation Law Section 51 notice, the Department of Labor notice that this project is a public work project on which each worker is entitled to receive the prevailing rate of wages and supplements for the occupation at which he or she is working, and all other notices required by law to be posted at the site. The Contractor shall maintain such notices in a legible manner, written in plain English in lettering no smaller than two inches in height and two inches in width, weatherproof, and shall replace any notice or schedule which is damaged, defaced, illegible or removed for any reason.

The Contractor and every Subcontractor shall keep original payrolls or verified transcripts thereof showing the hours and days worked by each workman, mechanic or laborer, the occupation at which he worked, the hourly wage rate paid and the supplements paid or provided, on the Site, when the Contractor or Subcontractor maintains no regular place of business in New York State and where the amount of the Contract is in excess of \$25,000. All other Contractors and Subcontractors shall produce within five days on the Site and upon formal order of the Commissioner of Labor or his designated representative such original payrolls or verified transcripts thereof, as may be deemed necessary to adequately enforce the provisions of this Section.

Notwithstanding the aforementioned requirements, every Contractor and Subcontractor shall submit to the Owner within thirty days after issuance of its first payroll, and every thirty days thereafter, a transcript of the original payroll record, as provided by Article 8 of the Labor Law, subscribed and affirmed as true under penalties of perjury. The original payrolls or transcripts shall be preserved for three years from the completion of the work.



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.03 NON-DISCRIMINATION AND LABOR PRACTICES

In accordance with Section 220-e of Article 8 of the State Labor Law, the Contractor agrees:

- A. That in the hiring of employees for the work of this Contract or any Subcontract, neither he nor any Subcontractor, nor any person acting on behalf of the Contractor, or any Subcontractor, shall by reasons of race, creed, color, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which his employment relates; and
- B. That neither the Contractor, nor any Subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this Contract on account of race, creed, color, sex, disability or national origin; and
- C. That there may be deducted from the amount payable to the Contractor by the Owner, a penalty of Fifty Dollars for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of this Contract; and
- D. That this Contract may be cancelled or terminated by the Owner, and all monies due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this Section of the Contract; and
- E. That the aforesaid provisions of this Section covering contracts for the manufacture, sale or distribution of materials, equipment or supplies shall be limited to operations performed within the territorial limits of the State of New York.
- F. During the performance of this Contract, the Contractor agrees as follows:
 1. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, sex, color, disability or national origin, and will take affirmative action to insure that they are afforded equal employment opportunities without discrimination because of race, creed, sex, color or national origin. Such action shall be taken with reference, but not be limited to: recruitment, employment, job assignment, promotion, upgrading, demotion,



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.03 NON-DISCRIMINATION AND LABOR PRACTICES - Continued

transfer, layoff or termination, rates of pay or other forms of compensation, and selection for training or retraining, including apprenticeship and on-the-job training.

2. The Contractor will send to each labor union or representative of workers with which he has or is bound by a collective bargaining or other agreement or understanding, a notice to be provided by the State Division of Human Rights, advising such labor union or representative of the Contractor's agreement under subparagraphs (1) through (7) (hereinafter called "non-discrimination clauses"). If the Contractor was directed to do so by the contracting agency as part of the Bid or negotiation of this Contract, the Contractor shall request such labor union or representative to furnish him with a written statement that such labor union or representative either will affirmatively cooperate, within the limits of its legal and contractual authority, in the implementation of the policy and provisions of these non-discrimination clauses or that it consents and agrees that recruitment, employment and the terms and conditions of employment under this Contract shall be in accordance with the purposes and provisions of these non-discrimination clauses. If such labor union or representative fails or refuses to comply with such a request that it furnish such a statement, the Contractor shall promptly notify the State Division of Human Rights of such failure or refusal.
3. The Contractor will post and keep posted in conspicuous places, available to employees and applicants for employment, notices to be provided by the State Division of Human Rights setting forth the substance of the provisions of subparagraphs (1) and (2) and such provisions of the State's laws against discrimination as the State Commissioner of Human Rights shall determine.
4. The Contractor will state, in all solicitations, or advertisements for employees placed by or on behalf of the Contractor, that all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, sex, color, disability or national origin.



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.03 NON-DISCRIMINATION AND LABOR PRACTICES - Continued

5. The Contractor will comply with the provisions of Sections 291-299 of the Executive Law and the Civil Rights Law, will furnish all information and reports deemed necessary by the State Commissioner of Human Rights under these non-discrimination clauses and such sections of the Executive Law, and will permit access to his books, records and accounts by the State Commissioner of Human Rights, the Attorney General and the Commissioner of Labor for purposes of investigation to ascertain compliance with these non-discrimination clauses and such sections of the Executive Law and Civil Rights Law.
6. This Contract may be forthwith cancelled, terminated or suspended, in whole or in part, by the contracting agency upon the basis of a finding made by the State Commissioner of Human Rights that the Contractor has not complied with these non-discrimination clauses, and the Contractor may be declared ineligible for future contracts made by or on behalf of the State or a public authority or agency of the State, until he satisfies the State Commissioner of Human Rights that he has established and is carrying out a program in conformity with the provisions of these non-discrimination clauses. Such finding shall be made by the State Commissioner of Human Rights after conciliation efforts by the State Division of Human Rights have failed to achieve compliance with these non-discrimination clauses and after verified complaint has been filed with the State Division of Human Rights, notice thereof has been given to the Contractor and an opportunity has been afforded him to be heard publicly before the State Commissioner of Human Rights or his designee. Such sanctions may be imposed and remedies otherwise provided by law.
7. The Contractor will include the provisions of sub-paragraph (1) through (7) of this paragraph A and in every Subcontract or purchase order in such a manner that such provisions will be binding upon each Subcontractor or vendor as to operations to be performed within the State of New York. The Contractor will take such action in enforcing such provisions of such Subcontract or purchase order as the contracting agency may direct, including sanctions or remedies for non-compliance. If the Contractor becomes involved in or is threatened with litigation with a Subcontractor or vendor as a result of such direction by the



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.03 NON-DISCRIMINATION AND LABOR PRACTICES - Continued

contracting agency, the Contractor shall promptly so notify the Attorney General, requesting him to intervene and protect the interest of the State of New York.

- G. It is hereby agreed that all applicable provisions of the Labor Law of the State of New York shall be carried out in the performance of this Contract.
- H. This agreement shall be void and of no effect unless the Contractor shall secure compensation insurance for the benefit of, and keep insured during the life of this agreement, such employees engaged therein as are required to be insured by the provisions of the Worker's Compensation Law of the State of New York.

00150.04 LEGAL DAY'S WORK

In accordance with Section 220 (2) of Article 8 of the State Labor Law, no laborer, workman or mechanic employed by the Contractor, a Subcontractor or other person doing or contracting to do any part of the work shall be permitted or required to work more than eight hours in any one calendar day or more than five days in any week except in cases of extraordinary emergency including fire, flood or danger to life or property, or in case of national emergency when so proclaimed by the President of the United States.

00150.05 WAGE RATES

In accordance with Section 220 of Article 8 of the State Labor Law, the wages to be paid for a legal day's work, as hereinbefore defined, to laborers, workmen or mechanics employed by the Contractor or Subcontractors, shall be not less than the prevailing rate of wages as hereinafter defined. Each laborer, workman or mechanic employed by the Contractor, Subcontractors, or other person upon or about the work, shall be paid not less than the wages and supplements herein provided.

Any person or corporation that willfully pays or provides less than the stipulated wage scale or supplements shall be guilty of a misdemeanor and upon conviction shall be punished as provided by law.



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.05 WAGE RATES - Continued

It shall be the duty of the Commissioner of Labor, or, if the Owner is a city, the comptroller or other analogous officer of such city, to make a determination of the schedule of wages to be paid all laborers, workmen and mechanics employed on the project (if it is a public works project) including supplements for welfare, pension, vacation and other benefits. These supplements include hospital, surgical or medical insurance or benefits, life insurance or death benefits, accidental death or dismemberment insurance, and pension or retirement benefits. If the amount of supplements provided by the employer is less than the total supplements shown on the wage schedule, the difference shall be paid in cash to employees.

The supplements to be provided shall be in accordance with prevailing practices in the locality. The amount for wages and for supplements listed in the schedule does not necessarily include all types of prevailing wages and supplements in the locality, and a future determination by the Commissioner of Labor may require the Contractor to pay increased wages or provide additional supplements.

00150.06 VERIFICATION OF AMOUNTS DUE FOR WAGES AND SUPPLEMENTS

In accordance with Section 220-a of Article 8 of the State Labor Law, the New York State schedule of prevailing wages and supplements, as included in this Contract or as subsequently redetermined by the New York State Department of Labor, shall be specifically included in each and every Subcontract, regardless of tier, awarded by the Contractor or his Subcontractors.

Subcontractors, regardless of tier, shall provide to the Contractor a verified statement attesting that the Subcontractor has received and reviewed the prevailing wage rate and supplement schedule and agreeing that it will pay its employees the applicable wages and will pay or provide the supplements specified therein. The Contractor shall submit to the Owner copies of all such verified statements.

The Owner will not make final payment to the Contractor unless and until the Contractor submits the following:

- verified statements as described in the preceding paragraph



Bid No. 2012-12

SECTION 00150

LABOR AND EMPLOYMENT

00150.06 VERIFICATION OF AMOUNTS DUE FOR WAGES AND SUPPLEMENTS
- Continued

- certification to the amounts then due from the Contractor to any and all laborers for wages or supplements on account of labor performed upon the work under the Contract
- certification to the amounts then due from any Subcontractor, regardless of tier, for wages and supplements, on account of labor performed upon the work under the Contract, or shall certify that the Contractor has no knowledge of such amounts owing to or on behalf of any laborers of its Subcontractors.

In the event it is determined by the New York State Commissioner of Labor that the wages and/or supplements of any employees of the Contractor's Subcontractors, regardless of tier, have not been paid or provided pursuant to the appropriate schedule of wages and supplements, the Contractor shall be responsible for payment of such wages or supplements.

00150.07 MINIMUM RATES

New York State Department of Labor wage rates will be in effect on this Project.

The minimum wage rates designated by the Commissioner of Labor of the State of New York for this project is Prevailing Rate Case #2011004885 which can be accessed on the Department of Labor's website. These minimum rates and supplements may be modified during the life of the Contract. If the prevailing wage rates should subsequently be legally modified or increased by any means other than by the action of the Owner, the Contractor shall assume full responsibility for the payment of said increases without recourse to the Owner.

END OF SECTION



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.01 MANDATORY PRE-BID MEETING

A mandatory pre-bid meeting will be held on May 15, 2012 at 10:00 A.M. at the City Water Treatment Plant. The Contractor must have an authorized representative of his firm present at this meeting in order to place a bid on this Contract.

00160.02 PRE-CONSTRUCTION CONFERENCE

A pre-construction conference will be held after award of the Contract, but prior to commencement of construction, at the City Water Treatment Plant, and the Contractor shall have an authorized representative of his firm present at this meeting.

00160.03 POWER OF ATTORNEY

Attorneys-in-fact who sign Bid Bonds or Contract Bonds must file with each bond a certified and effectively dated copy of their power of attorney.

00160.04 LAWS AND REGULATIONS

The Bidder's attention is directed to the fact that all applicable Federal and State laws, municipal ordinances and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.

00160.05 NON-COLLUSIVE BIDDING CERTIFICATION

A Non-Collusive Bidding Certification form as bound in these documents must be executed and accompany the Bid.

00160.06 SALES TAX EXEMPTION

In amplification of Article 00755.04, Bidders are advised of the following:

Purchases for the City of Saratoga Springs are not subject to any Federal, State or City sales tax. Exemption certificates will be executed upon request.



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.07 SPECIAL CONDITIONS

A. Before commencement of operations, the Contractor shall notify the following of his schedule of operations:

1. Commissioner of Public Works
2. Water Treatment Plant Superintendent
3. City Engineer
4. Engineer

B. Coordination: The Contractor shall coordinate his work and the activities of his personnel with the Chief Operator of the Saratoga Springs Water Treatment Plant so as to not disrupt day-to-day supply of potable water to the service area.

The contractor shall be required to submit a proposed Sequence of Construction and Temporary Operations Plan at the Pre-construction Meeting, and it shall be subject to review and approval by the Owner and Engineer prior to commencement of the work. The temporary Operations Plan shall identify how continuous operation of the plant will be maintained when new equipment or systems are installed and interfaced with existing equipment, and when modifications are made to existing treatment units and facilities to remain.

All Contractor activities, including any changes to the approved sequence of Construction, shall be coordinated with the Owner's job site representative and approved by the Owner prior to making the change.

The requirements of this special condition apply to all Contractors. Each Contractor shall be responsible for coordination of his work with the work of all other Contracts, and no separate payment shall be made for such coordination.

As part of the Contractor's Temporary Operations Plan, the Contractor shall identify telephone numbers of service personnel (including home) responsible twenty-four (24) hours a day, seven (7) days a week to respond to emergency operation or construction oriented conditions which may occur at the work site. The telephone numbers shall be supplied to the Engineer not less than five (5) days prior to commencement of the work.



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.07 SPECIAL CONDITIONS - Continued

C. Contractor's Personnel, Supervision and Safety: The Contractor shall be solely responsible for the supervision, conduct and safety of his personnel. The Contractor shall be responsible for complying with the requirements of all applicable Federal and State Occupational Safety and Health Act provisions and the requirements of any and all other laws, rules, regulations and standards pertaining to employee health safety and accident prevention. The Contractor shall be solely responsible for the safety and protection of all property and persons, both on the site of the work and adjacent thereto.

D. The Contractor shall instruct his personnel to observe extreme caution when working in the vicinity of mechanical equipment and open tankage. Personnel should be advised that equipment may start automatically and without warning or may be started from a remote location. The Contractor shall instruct his personnel on the hazards and precautions associated with equipment and chemicals, which will be installed at the facility. Personnel should be cautioned that surfaces may be wet or slippery and that physical, chemical and electrical hazards are present. The Contractor shall be solely responsible for any damage or disruption caused by his personnel.

If the work of this Contract requires entry into or activities within areas which are considered to be "confined spaces" or which may otherwise contain hazardous atmospheres, the Contractor shall be responsible for providing all necessary personnel instructions, monitoring and safety equipment, as required by all applicable codes and regulations. Such areas include, but are not limited to any space containing chemicals, fuels or combustibles or poor ventilation.

E. Damage and Clean-up: The Contractor shall be responsible for repairing any damage to existing treatment plant equipment, surfaces or finishes caused by or resulting from his operation, the work of his contract or the activity of his personnel. The Contractor shall be responsible for clean-up and removal from the site of any and all dirt, rubbish and debris resulting from his operation.

F. Site Access and Security: Contractors shall be responsible for the storing and security of their materials and equipment during the entire construction period.



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.08 OPERATION AND MAINTENANCE OF FACILITIES DURING CONSTRUCTION

A. Use of Plant Utilities:

The Owner will continue to pay for utilities necessary for normal plant operation during construction. Contractor(s) may use treatment plant utilities for minor, incidental construction operations, such as interior lighting and small tools. Temporary heating, dewatering, outside lighting for construction operations, heating of office trailers and other uses directly associated with construction shall be provided by Contractor using a separate, temporary service, at the Contractor's expense. The Owner reserves the right to curtail the Contractor's use of Owner's utilities, or to seek reimbursement from the Contractor, if, in the Owner's opinion, the Contractor is using utilities in a wasteful or excessive manner.

B. Plant Operation and Maintenance During Construction

The Owner will continue to operate and maintain the existing plant equipment. The Contractor shall be responsible for coordinating his work so as to facilitate the Owner's operation and maintenance and for providing safe and ready access and safe working conditions for the Owner's personnel and equipment.

The Contractor shall be responsible for conducting his operations at the plant site in such a manner so as to not degrade facility function or the safety of Owner's personnel.

The water system must continue in operation to supply sufficient quantities of water to meet the community's needs throughout construction. Further, certain work must be completed prior to other work to ensure proper function during progressive startup of the systems. A suggested sequence of construction and construction sequencing parameters are identified on the Contract Drawings.

00160.09 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL CONDITIONS

00750.01 DEFINITIONS OF WORDS AND TERMS

The following definitions shall be included:



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.09 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL CONDITIONS –
Continued

SUBSTANTIAL COMPLETION

The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of the Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion thereof.

FINAL COMPLETION

The time at which the Contractor has, in the opinion of the Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, marked-up record documents, and other documents, and the final payment application has been approved by the Engineer and Owner.

00752.03 CONTRACTOR’S INSURANCE

Insurance shall provide that the policies shall not be changed or canceled until thirty (30) days after written notice has been given to the Owner.

In reference to Article 00752.03.C, the Owner’s Protective Liability Insurance shall be provided and shall name the Owner (City of Saratoga Springs), and the Engineer (Barton & Loguidice, P. C.).

Modify the second paragraph to include the following insurance coverages and provisions:

General Insurance Provisions



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.09 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL CONDITIONS –
Continued

1. The Contractor shall procure and maintain during the term of this contract, at the Contractor's expense, the insurance policies listed in Part II with limits equal to or greater than the enumerated limits.
2. The Contractor shall be solely responsible for any self-insured retention or deductible losses under each of the required policies.
3. Every required policy, including any required endorsements and any umbrella / excess policy, shall be primary insurance. Insurance carried by the City of Saratoga Springs, its officers, or its employees, if any, shall be excess and not contributory insurance to that provided by the Contractor.
4. Every required coverage type shall be "occurrence basis" with the exception of Professional Errors and Omissions Coverage which may be "claims made" coverage.
5. The Contractor may utilize umbrella/excess liability coverage to achieve the limits required hereunder; such coverage must be at least as broad as the primary coverage (follow form).
6. The Office of Risk & Safety Management must approve all insurance certificates.
7. The City of Saratoga Springs reserves its right to request certified copies of any policy or endorsement thereto.
8. All insurance shall be provided by insurance carriers licensed & admitted to do business in the State of New York and must be rated "A-VII" or better by A.M. Best (Current Rate Guide).
9. If the Contractor fails to procure and maintain the required coverage(s) and minimum limits such failure shall constitute a material breach of contract, whereupon the City of Saratoga Springs may exercise any rights it has in law or equity, including but not limited to the following:
 - (a) immediate termination of the contract;
 - (b) withholding any/all payment(s) due under this contract or any other contract it has with the vendor (common law set-off); OR
 - (c) procuring or renewing any required coverage(s) or any extended reporting period thereto and paying any premiums in connection therewith. All monies so paid by the City of Saratoga Springs shall be repaid upon demand, or at the City's option, may be offset against any monies due to the Contractor.



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.09 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL CONDITIONS –
Continued

Required Property and Casualty Insurance - Minimum coverage types and amounts:

General Liability Insurance: Commercial General Liability including completed products and operations and personal liability insurance	\$1 Million per occurrence with \$2 Million aggregate
Combined Single Limit Automobile Insurance for Owned, Hired and Non-owned Vehicles	\$1 Million
Excess Liability Insurance	\$5 Million per occurrence aggregate

Required Workers Compensation Insurance – Minimum coverage types and amounts:

NYS Statutory Worker’s Compensation and Disability Insurance

1. Proof of Workers’ Compensation Coverage must be provided on WCB form C-105.2 or U-26.3
2. Proof of NYS Disability Coverage must be provided on WCB form DB-120.1 OR DB-820/829 OR DB-155

The Contractor acknowledges that failure to obtain such insurance on behalf of the municipality constitutes a material breach of contract and subjects it to liability for damages, indemnification and all other legal remedies available to the City. The Contractor is to provide the City with a Certificate of Insurance naming the City and the ENGINEER as **Additional Insured** on a primary and non-contributory basis prior to the commencement of any work or use of City facilities. The failure to object to the contents of the Certificate of Insurance or the absence of same shall not be deemed a waiver of any and all rights held by the municipality.

In the event the Contractor utilizes a Subcontractor for any portion of the services outlined within the scope of its activities, the Subcontractor shall provide insurance of the same type or types and to the same extent of coverage as that provided by the Contractor. Insurance is required of the Subcontractor for activities performed within its contracted activities for the contact as executed.



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.09 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL CONDITIONS –
Continued

The Contractor, to the fullest extent provided by law, shall indemnify and save harmless the City of Saratoga Springs, its Agents and Employees (hereinafter referred to as “City”), from and against all claims, damages, losses and expense (including, but not limited to, attorneys’ fees), arising out of or resulting from the performance of the work or purchase of the services, sustained by any person or persons, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of property caused by the tortious act or negligent act or omission of Contractor or its employees or anyone for whom the Contractor is legally liable or Subcontractors.

Without limiting the generality of the preceding paragraphs, the following shall be included in the indemnity hereunder: any and all such claims, etc., relating to personal injury, death, damage to property, or any actual or alleged violation of any applicable statute (including specifically but not limited to New York State Labor Law §§ 200; 202; 240 & 241), ordinance, administrative order, executive order, rule or regulation, or decree of any court of competent jurisdiction in connection with, or arising directly or indirectly from, errors and/or negligent acts by the Contractor, as aforesaid.

00756.08 PER DIEM CHARGES FOR DELAY

For each calendar day or fraction thereof that any work except minor punch list items as listed on the Notice of Substantial Completion shall remain uncompleted after the Contract time specified for substantial completion of the work in the Information For Bidders or extensions thereof granted by the Owner, the Contractor shall pay the Owner \$1,000 per day.

00160.10 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL
REQUIREMENTS

SECTION 01064 – SAFETY AND HEALTH

Add the following:

01064.04 CITY OF SARATOGA SPRINGS SAFETY PROVISIONS:



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.10 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL REQUIREMENTS - Continued

CONTRACTOR shall comply with NYS OSHA laws requiring all workers on New York State public projects be certified as having completed an OSHA 10-hour construction safety course. Proof of this certification is required at the time of the execution of this Agreement. The City of Saratoga Springs specifically reserves the right to suspend or terminate all work under this contract whenever Contractor and/or Contractor's employees or subcontractors are proceeding in a manner that threatens the life, health or safety of any of Contractor's employees, subcontractor's employees, City employees or member(s) of the general public on City property. This reservation of rights by the City of Saratoga Springs in no way obligates the City of Saratoga Springs to inspect the safety practices of the Contractor.

If the City of Saratoga Springs exercises its rights pursuant to this part, the Contractor shall be given three days to cure the defect, unless the City of Saratoga Springs, in its sole and absolute discretion, determines that the service cannot be suspended for three days due to the City of Saratoga Springs' legal obligation to continuously provide Contractor's service to the public or the City of Saratoga Springs' immediate need for completion of the Contractor's work. In such case, Contractor shall immediately cure the defect.

If the Contractor fails to cure the identified defect(s), the City of Saratoga Springs shall have the right to immediately terminate this contract. In the event that the City of Saratoga Springs terminates this contract, any payments for work completed by the Contractor shall be reduced by the costs incurred by the City of Saratoga Springs in re-bidding the work and/or by the increase in cost that results from using a difference vendor.

SECTION 01340.07 – SUBSTITUTES AND “OR-EQUAL” ITEMS

Substitutions shall be submitted to the Engineer a minimum of seven (7) days before bids are due for review and decision regarding acceptability.

SECTION 01510.01 – SANITARY FACILITIES

Sanitary Facilities at the WTP may be used by Contractor.



Bid No. 2012-12

SECTION 00160

ADDITIONAL INSTRUCTIONS

00160.10 MODIFICATIONS AND AMPLIFICATIONS OF GENERAL REQUIREMENTS - Continued

SECTION 01580 – PROJECT SIGN

A project sign is required for the project. The sign shall be bronze type or similar plaque to what is existing with the City Council, Engineer, and Contractor listed. The sign shall be mounted in the WTP.

SECTION 01590 - ENGINEER'S FIELD OFFICE TRAILER

Delete Section 01590, "Engineer's Field Office Trailer". An Engineer's field office trailer will not be required for the project. The Contractor shall provide a work area within his trailer for the Engineer. The area shall include a work desk or table and two (2) chairs, as well as access to a working phone.

00160.11 CONTRACT 1A BID ITEM NO. 3 – ALTERNATE BID NO. 1

This project provides for the optional installation of the Bid Item No. 3 – Alternative Bid No. 1, which is for the Contractor to remove and dispose of the existing filter media as indicated on the Contract Documents. The Alternate Bid Item No. 1 may be awarded as part of the contract, at the Owner's option. Each bidder is required to furnish a base bid which will include Bid Items 1 and 2, as well as an alternative bid, which will include Bid Items 1, 2 and 3.

END OF SECTION



Bid No. 2012-12

SECTION 00301

BIDDER'S CHECKLIST

(All pages of this color to be completed by Bidder PRIOR to Bid Submission)

Bid Forms, Page 00370-1-7: All blanks appropriately filled in ink with both words and figures, and signed where applicable.

State and Federal Requirements: Each of the following forms must be executed:

STATEMENT OF SURETY'S INTENT, Page 00481-1: Requires completion and signature by Surety's Representative.

ACKNOWLEDGEMENTS, Page 00484-1, Requires Bidder's signature and completion:

WAIVER OF IMMUNITY AND NON-COLLUSIVE BIDDING CERTIFICATION, Page 00484-2, Requires Bidder's signature and information.

STATEMENT OF BIDDERS QUALIFICATIONS, Page 00484-3 and 00484-4, requires Bidder's signature and information.

INSURANCE GUARANTEE FORM, Page 00484-5, requires Bidder's signature and information.

RISK AND SAFETY AGREEMENT, Pages 00484-6 and 00484-7, requires Bidder's signature and information.

VENDOR/SUPPLIER CODE OF CONDUCT, Page 00484-8, requires Vendor's signature and information.

BID BOND, Page 00499-1: Attach Bid Security to page labeled "BID BOND" (ATTACH HERE - CERTIFIED CHECK OR BID BOND).

NOTE: To Bid all Contracts, the Bidder must fill in all pages this color.

END OF SECTION



Bid No. 2012-12

SECTION 00370

BID FOR CONSTRUCTION OF
CONTRACT NO. 1A - GENERAL CONSTRUCTION

TO THE CITY OF SARATOGA SPRINGS:

Pursuant to and in compliance with your Notice to Bidder and the Information for Bidders relating thereto, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper for or incidental to the construction and completion of Contract No. 1A – General Construction, City of Saratoga Springs, Water Treatment Plant Filter Rehabilitation required by and in strict accordance with the applicable provisions of all Contract Documents for the following lump sum prices:

4.12

00370-1

539.021



Bid No. 2012-12

SECTION 00370
 BID

CITY OF SARATOGA SPRINGS
 WATER TREATMENT PLANT FILTER REHABILITATION

CONTRACT NO. 1A – GENERAL CONSTRUCTION

JOB NO. 539.021

BROUGHT FORWARD _____

ITEM NO.	ESTIMATED QUANTITIES	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
			DOLLARS	CTS.	DOLLARS	CTS.
1	NEC	Contract 1A – General Construction FOR <u>One Million, Three Hundred</u> Five <u>Thousand</u> <u>Five Hundred</u> PER LS	1,357,500.	00	1,357,500	00
2	400	Concrete Repairs FOR <u>Fifteen Dollars &</u> <u>00/100</u> PER SF	15	00	6,000	00
3	NEC	Alternate Bid Item No. 1 – Removal and Disposal of Existing Filter Media FOR <u>Thirty Two Thousand</u> <u>Dollars & 00/100</u> PER LS	32,000	00	32,000	00



Bid No. 2012-12

SECTION 00370
 BID

CITY OF SARATOGA SPRINGS
 WATER TREATMENT PLANT FILTER REHABILITATION

CONTRACT NO. 1A – GENERAL CONSTRUCTION

JOB NO. 539.021

BROUGHT FORWARD _____

ITEM NO.	ESTIMATED QUANTITIES	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
			DOLLARS	CTS.	DOLLARS	CTS.
TOTAL OR GROSS BID WRITTEN IN WORDS - <u>Water Treatment Plant Filter Rehabilitation Project – Contract 1A – General Construction (Items No. 1 and 2)</u> <u>One Million Two Hundred Sixty Three Thousand Five Hundred</u>			\$	_____	\$	<u>1,363,500.00</u>
ALTERNATE BID ITEM NO. 1 - REMOVAL AND DISPOSAL OF EXISTING FILTER MEDIA (Item No. 3) <u>Thirty-Two Thousand dollars</u>			\$	<u>32,000.00</u>	\$	<u>32,000.00</u>
TOTAL OR GROSS BID WITH ALTERNATE BID ITEM NO. 1 WRITTEN IN WORDS - <u>Water Treatment Plant Filter Rehabilitation Project – Contract No. 1A – General Construction (Items No. 1, 2 and 3)</u> <u>One Million Two Hundred Ninety-Five Thousand Five Hundred</u>			\$	_____	\$	<u>1,395,500.00</u>