

**CITY CLERK**  
**ORIGINAL**  
**LINKING AGREEMENT**  
**BETWEEN**  
**THE CITY OF GLENDALE, ARIZONA**  
**AND**  
**MGC CONTRACTORS, INC**

**C-11347**  
**11/22/2016**

~~September~~ <sup>November</sup> THIS LINKING AGREEMENT (this "Agreement") is entered into as of this ~~27th~~ <sup>22nd</sup> day of ~~September~~, 2016, between the City of Glendale, an Arizona municipal corporation (the "City"), and MGC Contractors, Inc., an Arizona Corporation ("Contractor"), collectively, the "Parties."

**RECITALS**

- A. On April 12, 2013, under the S.A.V.E Cooperative Purchasing Agreement, the City of Peoria entered into a contract with Contractor to purchase the goods and services described in the Job Order Contract for Water & Wastewater Treatment Facilities Project, Contract No. ACON18413C ("Cooperative Purchasing Agreement"), which is attached hereto as Exhibit A. The Cooperative Purchasing Agreement permits its cooperative use by other governmental agencies including the City.
- B. Section 2-149 of the City's Procurement Code permits the Materials Manager to procure goods and services by participating with other governmental units in cooperative purchasing agreements when the best interests of the City would be served.
- C. Section 2-149 also provides that the Materials Manager may enter into such cooperative agreements without meeting the formal or informal solicitation and bid requirements of Glendale City Code Sections 2-145 and 2-146.
- D. The City desires to contract with Contractor for supplies or services identical, or nearly identical, to the supplies or services Contractor is providing other units of government under the Cooperative Purchasing Agreement. Contractor consents to the City's utilization of the Cooperative Purchasing Agreement as the basis of this Agreement, and Contractor desires to enter into this Agreement to provide the supplies and services set forth in this Agreement.

**AGREEMENT**

NOW, THEREFORE, in consideration of the foregoing recitals, which are incorporated by reference, and the covenants and promises contained in this Linking Agreement, the parties agree as follows:

1. **Term of Agreement.** The City is purchasing the supplies and/or services from Contractor pursuant to the Cooperative Purchasing Agreement. According to the Cooperative Purchasing Agreement purchases can be made by governmental entities from the date of award, which was April 12, 2013, until the date the contract expires on April 11, 2017, unless the term of the Cooperative Purchasing Agreement is extended by the mutual agreement of the original contracting parties. The Cooperative Purchasing Agreement, however, may not be extended beyond April 11, 2018. The initial period of this Agreement, therefore, is the period from the Effective Date of this Agreement until April 11, 2017. The City Manager or designee, however, may renew the term of this Agreement for two (2) one-year periods until

8/10/16

the Cooperative Purchasing Agreement expires on April 11, 2018. Renewals are not automatic and shall only occur if the City gives the Contractor notice of its intent to renew. The City may give the Contractor notice of its intent to renew this Agreement 30 days prior to the anniversary of the Effective Date to effectuate such renewal.

2. Scope of Work; Terms, Conditions, and Specifications.

- A. Contractor shall provide City the supplies and/or services identified in the Scope of Work attached as Exhibit B.
- B. Contractor agrees to comply with all the terms, conditions and specifications of the Cooperative Purchasing Agreement. Such terms, conditions and specifications are specifically incorporated into and are an enforceable part of this Agreement.

3. Compensation.

- A. City shall pay Contractor compensation at the same rate and on the same schedule as provided in the Cooperative Purchasing Agreement, which is attached hereto as Exhibit C.
- B. The total purchase price for the supplies and/or services purchased under this Agreement shall not exceed Four hundred forty-six thousand five hundred and seven dollars (\$446,507.00) annually or           dollars (\$       ) for the entire term of the Agreement (initial term plus any renewals).

4. Cancellation. This Agreement may be cancelled pursuant to A.R.S. § 38-511.

5. Non-discrimination. Contractor must not discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin, age, marital status, sexual orientation, gender identity or expression, genetic characteristics, familial status, U.S. military veteran status or any disability. Contractor will require any Sub-contractor to be bound to the same requirements as stated within this section. Contractor, and on behalf of any subcontractors, warrants compliance with this section.

6. Insurance Certificate. A certificate of insurance applying to this Agreement must be provided to the City prior to the Effective Date.

7. E-verify. Contractor complies with A.R.S. § 23-214 and agrees to comply with the requirements of A.R.S. § 41-4401.

8. No Boycott of Israel. The Parties agree that they are not currently engaged in, and agree that for the duration of the Agreement they will not engage in, a boycott of Israel, as that term is defined in A.R.S. §35-393.

9. Notices. Any notices that must be provided under this Agreement shall be sent to the Parties' respective authorized representatives at the address listed below:

City of Glendale  
c/o Tom Kaczmarowski  
5850 West Glendale Avenue  
Glendale, Arizona 85301  
623-930-3640  
and

MGC Contractors, Inc  
c/o Randy Gates  
4110 East Elwood Street  
Phoenix, Arizona 85040  
602-437-5000

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date and year set forth above.

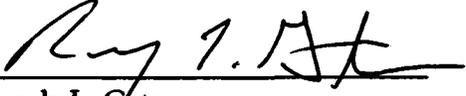
“City”

“Contractor”

City of Glendale, an Arizona  
municipal corporation

MGC Contractors, Inc.,  
an Arizona corporation

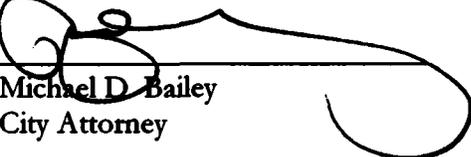
By:   
*Kevin R. Phelps*  
City Manager

By:   
Name: Randy L. Gates  
Title: President

ATTEST:

  
Julie K. Bower (SEAL)  
City Clerk

APPROVED AS TO FORM:

  
Michael D. Bailey  
City Attorney

**LINKING AGREEMENT  
BETWEEN  
THE CITY OF GLENDALE, ARIZONA  
AND  
MGC CONTRACTORS, INC.**

**EXHIBIT A**

**Job Order Contract for Water & Wastewater Treatment Facilities Project - ACON18413C  
Acceptance of Offer and Contract Award April 11, 2013  
Contract Amendment to extend term to April 11, 2015  
Contract Amendment to extend term to April 11, 2016  
Contract Amendment to extend term to April 11, 2017**



# City of Peoria, Arizona Job Order Contract



Statement of Qualifications No: **P13-0042 B**

Job Description: **JOC for Water & Wastewater Treatment Facilities Projects**

Location: **City of Peoria, Materials Management**

Contact: **Christine Finney, CPPB**

Mailing Address: **9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl., Peoria, AZ 85345**

Phone: **(623) 773-7115**

### OFFER

Contractor's License Number:

A-ROC069949, B-1-ROC071441

**MGC Contractors, Inc.**

Job Order Contractor Name

*[Handwritten Signature]*  
Authorized Signature for Offer

**4110 East Elwood Street**

Address

**Randy Gates**

Printed Name

**Phoenix, AZ 85040**

City State Zip Code

**President**

Title

**(602) 437-5000**

Telephone

**(602) 470-4000**

Facsimile

### ACCEPTANCE OF OFFER AND CONTRACT AWARD (For City of Peoria Use Only)

Your offer is hereby accepted. The Contractor is now bound to sell the construction services listed by the attached award notice based upon the solicitation, including all terms conditions, specifications, amendments, etc., of the contract and the Contractor's offer as accepted by the City. The Contractor is hereby cautioned not to commence any billable work or provide any material, service or construction under this contract until Contractor receives an executed Notice to Proceed and Purchase Order.

Attested by:

*[Handwritten Signature]*  
for Rhonda Geriminsky, City Clerk

City of Peoria, Arizona.

Eff. Date: April 12, 2013

Approved as to form:

*[Handwritten Signature]*  
Stephen M. Kadin, City Attorney



City Seal  
Copyright 2003 City of Peoria, Arizona

CC  
ACW 18413  
Contract Number

Awarded on April 11, 2013

Official File

*[Handwritten Signature]*  
Dan Zenko, Materials Management Supervisor

**A CON 18413**

**JOB ORDER CONTRACT AGREEMENT**



**P13-0042**

**Water & Wastewater Treatment Facilities Projects**

**CONTRACT FOR CONSTRUCTION**

**JOB ORDER CONTRACT AGREEMENT  
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## JOB ORDER CONTRACTING CONTRACT

THIS CONTRACT is entered into and made effective the \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the City of Peoria, Arizona, an Arizona charter municipality (the "Owner"), and MGC Contractors, Inc., (the "Job Order Contractor"). The parties agree as follows:

### 1. DEFINITIONS.

1.1. **Owner.** Owner means Owner's senior manager, Contracting Officer or a duly authorized representative which means any person specifically authorized to act for Owner by executing the Contract and any modification thereto. Owner's duties include administration of the Contract, including the negotiation of change orders and modifications and assessing Job Order Contractor's technical performance and progress; inspecting and periodically reporting on such performance and progress during the stated period of performance, and finally certifying as to the acceptance of the Work in its entirety or any portion thereof, as required by the Contract documents.

1.2. **Job Order Contractor.** Job Order Contractor means Job Order Contractor's senior manager or its duly authorized representative or any person specifically authorized to act for Job Order Contractor by executing the Contract, and any modifications thereto. Job Order Contractor's duties include administration of the Contract and performance of the Work.

1.3. **Contract.** Contract means this agreement including its attachments and any Job Orders that may be issued.

1.4. **Subcontract.** Subcontract means any Contract including purchase orders (other than one involving an employer-employee relationship) entered into by Job Order Contractor calling for equipment, supplies or services required for Contract performance, including any modifications thereto.

1.5. **Job Order.** Job Order means a specific written agreement between the Owner and the Job Order Contractor for Work to be performed under this Contract for an individual, mutually agreed upon scope of work, schedule and price.

1.6. **Work.** Work means in response to Job Orders that may be mutually agreed upon and issued periodically by Owner. Job Order Contractor shall, except as may be specified elsewhere in the Contract, furnish all necessary labor, materials, tools, supplies, equipment, transportation, supervision, management, and perform all operations necessary and required for survey, design, and construction work which will be defined and further described as to specific project requirements in each Job Order. The Work shall be performed in accordance with the requirements set forth in each Job Order and as further specified in *Attachment "A"* (General Scope of Services), *Attachment "B"* (SIQ & Contractor's Response), *Attachment "C"* (JOC Cost Proposal Forms), and in *Attachment "D"* (Contractor's Contacts), all of which are incorporated herein and made a part hereof.

1.7. **Punch List Preparation.** A minimum of thirty (30) days prior to Final Completion the Job Order Contractor, in conjunction with the Owner, shall prepare a comprehensive list of Punch list items, which the Owner may edit and supplement. The Job Order Contractor shall proceed promptly to complete and correct Punch list items. Failure to include an item on the Punch list does not alter the responsibility of the Job Order Contractor to complete all Work in accordance with the Contract Documents. Warranties required by the Contract Documents shall not commence until the date of Final Completion unless otherwise provided in the Contract Documents.

1.8. **Final Completion.** Final Completion of the Work shall be deemed to have occurred on the later of the dates that the Work passes a Final Completion inspection and acceptance by the Owner. Final Completion shall not be deemed to have occurred and no final payment shall be due the Job Order

Contractor or any of its subcontractors or suppliers until the Work has passed the Final Completion inspection and acceptance and all required Final Completion close-out documentation items has been produced to the Owner by the Job Order Contractor.

## **1.9. Reference Standards**

**1.9.1.** The "Uniform Standard Specifications for Public Works Construction" and the "Uniform Standard Details for Public Works Construction" which are sponsored and distributed by the Maricopa Association of Governments (MAG), and which are hereinafter referred to as the "MAG Specifications", are hereby adopted as part of these contract documents.

**1.9.2.** July 15, 1997 by Section 23-50a of Ordinance 97-38, the City of Peoria adopted the "Uniform Standard Details for Public Works Construction from the Maricopa County Association of Governments by reference with certain exceptions.

**1.9.3.** A copy of these documents is kept on file at the Office of the City Clerk at the City of Peoria.

## **2. CONTRACT TERM**

**2.1. Contract Term.** The term of the Contract shall commence on the date it was executed by both parties and shall continue for a period of one (1) year thereafter in accordance with the terms and conditions of this Contract. By mutual written Contract Amendment, any resultant contract may be extended for supplemental periods of up to a maximum of forty-eight (48) months. Job Orders may be issued at any time during the term of this Contract. This Contract will remain in full force and effect during the performance of any Job Order.

**2.2. Job Order.** In response to Job Orders that may be mutually agreed upon and issued periodically by Owner. Job Order Contractor shall perform the Work, except as may be specified elsewhere in the Contract, which will be defined and further described as to specific project requirements in each Job Order. The Work shall be performed in accordance with the requirements set forth in each Job Order and as further specified in *Attachment "A"* (General Scope of Services), *Attachment "B"* (SIQ & Contractor's Response), *Attachment "C"* (JOC Cost Proposal Forms), and in *Attachment "D"* (Contractor's Contacts), all of which are incorporated herein and made a part hereof.

**2.3. Mutual Agreement.** This Contract embodies the agreement of Owner and Job Order Contractor to terms and conditions which will govern any Work that may be prescribed under a Job Order that may be issued by Owner and agreed to by Job Order Contractor. Nothing herein shall be construed as requiring Owner to issue any Job Order, nor requiring Job Order Contractor to accept any Job Order, it being the intent that both parties must mutually agree to any specific Work before a Job Order may be issued.

**2.4. Cooperative Purchasing:** While this contract is for the City of Peoria, other public agencies and political subdivisions have expressed interest in utilizing the contract. In addition to the City of Peoria, and with approval of the contractor, this contract may be extended for use by other eligible public agencies (i.e. municipalities, school districts, nonprofit educational institutions, public health institutions, and government agencies of the State). Eligible public agencies who elect to utilize the contract through cooperative purchasing (or piggybacking) on the contract do so at their discretion. No volume is implied or guaranteed, and the contractor must be in agreement with the cooperative transaction. The Strategic Alliance for Volume Expenditures (SAVE), a group of school districts and other public agencies, have signed an intergovernmental cooperative purchase agreement to obtain economies of scale. As a member of SAVE, the City of Peoria will act as the lead agency. Any such usage by other participating public agencies must be in accordance with the ordinance, charter and/or procurement rules and regulations of the respective public agency. School District Procurement Rules A.A.C. R7-2-1191 through R7-2-1195 authorizes and governs intergovernmental procurements. Potential participating public agencies (i.e.

municipalities, school districts, nonprofit educational institutions, public health institutions, and government agencies of the State) recognize potential equipment, logistical and capacity limitations by the contractor may limit the contractor's ability to extend use of this contract. Any orders placed to the contractor will be placed by the specific public agency participating in this purchase, and payment for purchases made under this agreement will be the sole responsibility of each participating public agency. The City of Peoria shall not be responsible for any disputes arising out of transactions made by others.

### **3. PERFORMANCE OF THE WORK**

**3.1. Job Order Agreement.** Performance of the Work shall be undertaken only upon the issuance of written Job Orders by Owner. Job Orders shall be in accordance with the requirements specified in *Attachment "A"* (General Scope of Services), *Attachment "B"* (SIQ & Contractor's Response), *Attachment "C"* (JOC Cost Proposal Forms), and in *Attachment "D"* (Contractor's Contacts), and shall set forth, with the necessary particularity, the following:

- 3.1.1. Contract number along with Job Order Contractor's name;
- 3.1.2. Job Order number and date;
- 3.1.3. The agreed Work and applicable technical specifications and drawings;
- 3.1.4. The agreed period of performance and, if required by Owner, a work schedule;
- 3.1.5. The place of performance;
- 3.1.6. The agreed total price for the Work to be performed;
- 3.1.7. Submittal requirements;
- 3.1.8. Owner's authorized representative who will accept the completed Work;
- 3.1.9. Signatures by the parties hereto signifying agreement with the specific terms of the Job Order; and
- 3.1.10. Such other information as may be necessary to perform the Work.

### **3.2. Job Order Contractor Duties and Obligations.**

**3.2.1. Permits & Responsibilities.** Job Order Contractor shall be responsible for processing of drawings, for approval by appropriate oversight bodies; for obtaining any necessary licenses and permits; and for complying with any Federal, State and municipal laws, codes, and regulations applicable to the performance of the Work. Owner will reimburse Job Order Contractor for the actual, documented costs of construction permits required for the performance of the Work. Job Order Contractor shall also be responsible for all damages to persons or property that occur as a result of Job Order Contractor's fault or negligence, and shall take proper safety and health precautions to protect the Work, the workers, the public, and the property of others. Job Order Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire Work, except for any completed unit of Work which may have been accepted under the Contract.

**3.2.2. Self-Performance By The Job-Order-Contractor.** The JOC shall be allowed to bid as a subcontractor for work over \$50,000 and, if it is the lowest acceptable bidder. Any change orders for self-performed work shall require pre-approval by the owner.

**3.2.3. Outdoor Construction Restrictions.** Peoria Ordinance No. 98-11 restricts outdoor construction as listed in the following table:

	<b>Construction Type</b>	<b>April 2 – September 29</b>	<b>September 30 – April 1</b>
<b>A</b>	<b>Concrete Work</b>	5:00 a.m. to 7:00 p.m.	6:00 a.m. to 7:00 p.m.
<b>B</b>	<b>Other Construction (within 500 feet of residential area)</b>	6:00 a.m. to 7:00 p.m.	7:00 a.m. to 7:00 p.m.
<b>C</b>	<b>Construction Work (more than 500 feet of residential area)</b>	5:00 a.m. to 7:00 p.m.	5:00 a.m. to 7:00 p.m.

3.2.3.1. No interference with the traffic flow on arterial streets shall be permitted during the hours of 6:00 a.m. to 8:30 a.m. or from 4:00 p.m. to 7:00 p.m. unless prior authorization is obtained in writing by the City of Peoria Traffic Engineer or their assignee. Specific work hours may be stipulated by the City of Peoria on the project barricade plan.

3.2.3.2. During off peak hours, the minimum number of lanes shall be two lanes (one in each direction) on streets with four lanes or less and four lanes (two in each direction) on streets with five or more lanes.

3.2.3.3. Night work must have prior authorization from the City. In addition, certain areas of the City may have seasonal or special event restrictions for construction work as designated by the City on a case by case basis.

**3.2.4. Jobsite Superintendent.** During performance of a Job Order and until the Work is completed and accepted, Job Order Contractor shall directly superintend the Work or assign a competent superintendent who will supervise the performance of Work and is satisfactory to Owner and has authority to act for Job Order Contractor.

3.2.4.1. Job Order Contractor will ensure that the site supervisor for the project is English proficient and that there is at least one English proficient person at the construction site at all times work is being performed in order to communicate with the City's project manager.

**3.2.5. Construction Layout.** Job Order Contractor shall lay out its work in accordance with the Contract plans and specifications and shall be responsible for all measurements in connection with the layout of the Work. Job Order Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to layout any part of the Work. Job Order Contractor shall also be responsible for maintaining and preserving all control points established by Owner.

**3.2.6. Survey Control Points.** Existing survey markers (either brass caps or iron pipes) shall be protected by the Contractor or removed and replaced under direct supervision of the City Engineer or his authorized representatives. Survey monuments shall be constructed to the requirements of MAG Specifications, Section 405, and Standard Details. Lot corners shall not be disturbed without knowledge and consent of the property owner. The Contractor shall replace benchmarks, monuments, or lot corners moved or destroyed during construction at no expense to the Owner. Contractor and his sureties shall be liable for correct replacement of disturbed survey benchmarks except where the Owner elects to replace survey benchmarks using his own forces.

**3.2.7. Traffic Regulations.** All traffic affected by this construction shall be regulated in accordance with the City of Phoenix – Traffic Barricade manual, latest edition, and the City of Phoenix in the Traffic Barricade Manual shall be referred to as the City of Peoria City Engineer for interpretation.

At the time of the pre-construction conference, the Contractor shall designate an employee who is well qualified and experienced in construction traffic control and safety to be responsible for implementing, monitoring and altering traffic control measure, as necessary. At the same time the City will designate a representative who will be responsible to see that all traffic control and any alterations are implemented and monitored to the extent that traffic is carried throughout the work area in an effective manner and that manner and that motorists, pedestrians, bicyclists and workers are protected from hazard and accidents.

**3.2.7.1.** The following shall be considered major streets: All major Parkway, mile (section line), arterial and collector (mid-section line and quarter section line) streets so classified by the City of Peoria.

**3.2.7.2.** All traffic control devices required for this project shall be the responsibility of the Contractor. The Contractor shall place advance warnings; **REDUCE SPEED, LOOSE GRAVEL, 25 MPH SPEED LIMIT** and **DO NOT PASS** signs in accordance with the Traffic Barricade Manual.

**3.2.7.3.** The Contractor shall provide, erect and maintain all necessary flashing arrow boards, barricades, suitable and sufficient warning lights signals and signs, and shall take all necessary precautions for the protection of the work and safety of the public. The Contractor shall provide, erect and maintain acceptable and adequate detour signs at all closures and along detour routes.

**3.2.7.4.** All barricades and obstructions shall be illuminated at night, and all safety lights shall be kept burning from sunset until sunrise. All barricades and signs used by the Contractor shall conform to the standard design, generally accepted for such purposes and payment for all such services and materials shall be considered as included in the other pay items of the Contract.

**3.2.7.5.** The Contractor shall insure that all existing traffic signs are erect, clean and in full view of the intended traffic at all times. Street name signs at major street intersections shall be maintained erect at all times. If these signs should interfere with construction, the Contractor shall notify the Inspector at least forty eight (48) hours in advance for City personnel to temporarily relocate said signs. The City Engineer will re-set all traffic and street name signs to permanent locations when notified by the Engineer that construction is complete unless otherwise stated in the specifications Payment for this item shall be made at the contract lump sum price for **TRAFFIC CONTROL**.

**3.2.7.6.** The Police Department shall determine if construction activities or traffic hazards at the construction project *require* the use of Police Assistants or AZ Post Certified Peace Officers, alternatively, *if the Police Department determines that flagmen are sufficient*, it shall be the Contractor's responsibility to provide adequate personnel including flagmen to direct traffic safely. All City of Peoria projects shall use only City of Peoria Police Assistants or City of Peoria AZ Post Certified Officers, unless the Police Chief or their designee has determined that no such assistants or officers are available. Arrangements for Police Assistant or Police Officer services should be made with the liaison officer at the Peoria Police Department at telephone number (623) 773-7062 or [offduty@peoriaaz.gov](mailto:offduty@peoriaaz.gov).

**3.2.7.7.** Manual traffic control shall be in conformity with the Traffic Barricade Manual. A traffic control plan shall be submitted to the Peoria Police Department indicating whether a need for traffic control exists during the project. The traffic control plan shall be submitted electronically and the liaison officer shall be contacted at the Peoria Police Department at telephone number (623) 773-7062.

**3.2.7.8.** When traffic hazards at construction sites warrant the use of certified police personnel to direct traffic, arrangement should be made with the liaison officer at the Peoria Police Department at telephone number (623) 773-7062.

**3.2.7.9.** The assembly and turnarounds of the Contractor's equipment shall be accomplished using adjacent local streets when possible.

**3.2.7.10.** Equipment used and/or directed by the Contractor shall travel with traffic at all times. Supply trucks shall travel with traffic except when being spotted. Provide a flagman or officer to assist with this operation.

**3.2.7.11.** During construction, it may be necessary to alter traffic control. Alterations shall be in accordance with the Traffic Barricade Manual.

**3.2.7.12.** No street within this project may be closed to through traffic or to local emergency traffic without prior written approval of the City Engineer of the City of Peoria. Written approval may be given if sufficient time exists to allow for notification of the public at least two (2) days in advance of such closing. Partial closure of streets within the project shall be done in strict conformity with written directions to be obtained from the City Engineer.

**3.2.7.13.** Caution should be used when excavating near intersections with traffic signal underground cable. Notify the City Engineer twenty four (24) hours in advance of any work at such intersections. The Contractor shall install and maintain temporary overhead traffic signal cable as specified by the City Engineer when underground conduit is to be severed by excavations at intersections. The Contractor shall provide an off-duty uniformed police officer to direct traffic while the traffic signal is turned off and the wiring is transferred. All damaged or modified traffic signal overhead and underground items shall be repaired and restored to the City Engineer's satisfaction. Magnetic detector loops shall under no circumstances be spliced.

**3.2.7.14.** The Contractor shall address how local access to adjacent properties will be handled in accordance with the specification herein.

**3.2.7.15.** Where crossings of existing pavements occur, no open trenches shall be permitted overnight, but plating may be permitted if conditions allow as determined by the City Engineer or his authorized representative. If plates cannot be used, crossings shall be back-filled or the Contractor shall provide a detour.

**3.2.8. Operations & Storage.** Job Order Contractor shall confine all operations (including storage of materials) to areas authorized or approved by Owner.

**3.2.9. Cleaning Up & Refuse Disposal.** Job Order Contractor shall at all times keep the site, including storage areas, free from accumulations of waste materials. Before completing the Work, Job Order Contractor shall remove from the premises any rubbish, tools, scaffolding, equipment, and materials that are not the property of Owner. Upon completing the Work, Job Order Contractor shall leave the site in a clean and orderly condition satisfactory to Owner.

**3.2.9.1.** Final cleanup of the premises shall be included in the period of performance of the Job Order.

**3.2.9.2.** Job Order Contractor shall be responsible for all construction refuse disposal containers and their removal from the site.

**3.2.9.3.** Disposal of any hazardous materials not addressed and priced in the Job Order will be segregated for disposal by Owner unless Owner requires Job Order Contractor to dispose of the materials in which case, an equitable adjustment in the price will be negotiated and agreed.

**3.2.9.4.** The Contractor and/or subcontractor shall be required to use the City of Peoria Solid Waste Division's services for commercial collection of Solid Waste. This requirement is not intended to preclude other methods or means for hauling debris or excess material from the project site such as trucking large volumes of material, including soil, building demolition, or hazardous and special wastes. The intent is to use City of Peoria Solid Waste service where standard waste disposal is needed. Specifically, all roll-off and front-load containers used on a City of Peoria construction site shall be contracted for through the City of Peoria Solid Waste Division at the prevailing rate. It is the contractor's responsibility to contact and make all necessary arrangements with the City of Peoria Solid Waste Division for these services. Any and all charges for these services are the responsibility of the contractor. The City Solid Waste Division may, at its option, decline to provide service for business reasons at any time during the contract. Any exceptions to this requirement will be at the sole discretion of the City

Solid Waste Division. Please contact the Solid Waste Customer Service Representatives at 623-773-7160.

**3.2.10. Existing Improvements and Utilities.** Job Order Contractor shall protect from damage all existing improvements and utilities at or near the site and on adjacent property of third parties, the locations of which are made known to or should be known by Job Order Contractor. Job Order Contractor shall repair any damage to those facilities, including those that are the property of third parties, resulting from failure to comply with the requirements of the Job Order or failure to exercise reasonable care in performing the Work. If Job Order Contractor fails or refuses to repair the damage promptly, Owner may have the necessary repair work performed and charge the cost to Job Order Contractor.

**3.2.11. Safety.** Job Order Contractor shall be responsible for compliance with all safety rules and regulations of the Federal Occupational Safety and Health Act of 1970 (OSHA), all applicable state and local laws, ordinances, and regulations during the performance of the Work. Job Order Contractor shall indemnify Owner for fines, penalties, and corrective measures that result from the acts of commission or omission of Job Order Contractor, its subcontractors, if any, agents, employees, and assigns and its failure to comply with such safety rules and regulations.

**3.2.11.1. Job Order Contractor Safety Compliance.** Job Order Contractor shall furnish and enforce the use of individual protective equipment as needed to complete the Work, including hard hats, rain gear, protective foot wear, protective clothing and gloves, eye protection, ear protection, respirators, safety belts, safety harnesses, safety lifelines and lanyards, and high visibility reflective safety vests.

**3.2.11.2. Job Order Contractor Provided Warnings.** Job Order Contractor shall provide warning signs, barricades and verbal warnings as required.

**3.2.11.3. Emergency Procedures.** Job Order Contractor shall inform its employees of emergency procedures to be adhered to in case of a fire, medical emergency, or any other life-threatening situations.

**3.2.11.4. Accident Notification.** Job Order Contractor shall promptly notify Owner of any recordable accident involving personnel or damage to material and equipment. Copies of any injury reports or accident investigation reports shall be provided to the Owner.

**3.2.11.5. Jobsite Safety Documents.** Job Order Contractor shall maintain a set of OSHA articles and Material Safety Data Sheets (MSDS) at the jobsite office as they apply to the Work being performed. Copies shall be provided to Owner when requested.

**3.2.11.6. Job Order Contractor's Safety Program.** Job Order Contractor shall submit to Owner a copy of its safety policies and program procedures which establish the safety rules and regulations as they are to be applied to performance of the Work. These documents shall be submitted by Job Order Contractor within fourteen (14) calendar days after issuance of the initial Job Order and prior to the commencement of the Work.

**3.2.11.7. Job Order Contractor Safety Representative.** Job Order Contractor shall assign, during performance of the Work, a designated safety representative to develop and monitor the project safety program. The name, company address, and telephone number of the assigned individual shall be submitted to Owner by Job Order Contractor along with its safety policies and program procedures.

**3.2.11.8. Emergency Medical Treatment.** Job Order Contractor shall make available for its employees and those of its subcontractors, while they are performing Work on the site, emergency medical treatment either at the site or at a nearby medical facility.

**3.2.11.9. Owner's Right to Monitor.** Owner reserves the right to approve and monitor Job Order Contractor's safety policies and program procedures as applied during performance of the Work.

Failure to comply with safety policies and program procedures, once approved by Owner, shall be cause for the termination of the Job Order in accordance with § 14.

**3.2.11.10. First Aid Kit.** Job Order Contractor shall provide and maintain on the jobsite, at all times when Work is in progress, a completely stocked first aid kit which contains all standard emergency medical supplies.

**3.2.11.11. Fire Extinguisher.** Job Order Contractor shall provide and maintain on the jobsite, at all times when Work is in progress, a fully charged fire extinguisher appropriate for the potential fire hazard.

**3.2.12. Dissemination of Contract Information.** Job Order Contractor shall not publish, permit to be published, or distribute for public consumption, any information, oral or written, concerning this Contract, any Job Order or the Work performed under this Contract, without the prior consent of Owner.

**3.2.13. Shop Drawings.** Job Order Contractor's duties under this Contract include the preparation of shop drawings or sketches necessary to permit orderly construction of Owner's design plans. Job Order Contractor agrees to provide detailed design drawings and plans if requested by Owner.

**3.2.14. Jobsite Drawings and Specifications.** Job Order Contractor shall keep on the Work site a copy of the drawings and specifications and shall at all times give Owner access thereto.

### **3.3. Owner Rights and Obligations.**

#### **3.3.1. Suspension of Work.**

**3.3.1.1. Owner's Written Order.** Owner may order Job Order Contractor, in writing, to suspend, delay, or interrupt all or any part of the Work for a period of time that Owner determines reasonably appropriate.

**3.3.1.2. Work Delay or Suspension.** If the performance of all or any part of the Work is suspended, delayed, or interrupted by an act of Owner in the administration of a Job Order, or by Owner's failure to act within the time specified in the Job Order, an adjustment shall be made for any increase in the cost of performance of the Job Order necessarily caused by the suspension, delay, or interruption, and the Job Order will be modified in writing accordingly.

**3.3.1.3. Job Order Contractor Costs.** A claim under this Subparagraph 3.3.1 shall not be allowed for any costs incurred more than thirty (30) calendar days before Job Order Contractor shall have notified Owner in writing of the act or failure to act (but this requirement shall not apply as to a claim resulting from a suspension order), and unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of such suspension, delay, or interruption, but not later than the date of final payment under the Job Order.

**3.3.2. Owner's Right to Possession.** Owner shall have the right to take possession of or use any completed or partially completed part of the Work. Before taking possession of or using any Work, Owner shall furnish Job Order Contractor a list of items of work remaining to be performed or corrected on those portions of the Work that Owner intends to take possession of or use. However, failure of Owner to list any item of Work shall not relieve Job Order Contractor of responsibility for complying with the terms of this Contract. Owner possession or use shall not be deemed an acceptance of any Work under this Contract.

**3.3.2.1. Owner's Possession or Use.** While Owner has such possession or use, Job Order Contractor shall be relieved of the responsibility for the loss of or damage to the Work resulting from Owner's possession or use, notwithstanding the terms of Subparagraph 3.2.1. If prior possession or use by Owner delays the progress of the Work or causes additional expense to Job Order Contractor, an equitable adjustment shall be made in the Job Order price or the period of performance, and the Job Order shall be modified in writing accordingly.

**3.3.3. Other Contracts.** Owner may undertake or award other Contracts for additional work at or near the site of Work under this Contract. Job Order Contractor shall fully cooperate with the other Job Order Contractors and with Owner's employees and shall carefully adapt scheduling and performing the Work under this Contract to accommodate the additional work, heeding any direction that may be provided by Owner. Job Order Contractor shall not commit or permit any act that will interfere with the performance of its Work by any other contractor or by Owner's employees.

**3.4. Job Order Amendment.** Job Orders may be amended by Owner in the same manner as they are issued.

**3.5. Job Order Value.** The maximum Job Order value is Three Million Dollars (\$3,000,000), except as provided by § 16.32.1.

#### **4. JOB ORDER DOCUMENTS**

**4.1. Specification and Drawings.** Anything mentioned in the specifications and not shown on the drawings, or shown on the drawings and not mentioned in the specifications, shall be of like effect as if shown or mentioned in both. In case of differences between drawings and specifications, the drawings shall govern. In case of discrepancy either in the figures, in the drawings, or in the specifications, the matter shall be promptly submitted to Owner, who shall promptly make a determination in writing. Any adjustment by Job Order Contractor without such a determination shall be at its own risk and expense. Owner shall furnish from time to time such detail drawings and other information as considered necessary, unless otherwise provided.

**4.1.1.** Wherever in the specifications or upon the drawings the words "directed," "required," "ordered," "designated," "prescribed," or words of like import are used, it shall be understood that the "direction," "requirement," "order," "designation," or "prescription," of Owner is intended and similarly the words "approved," "acceptable," "satisfactory," or words of like import shall mean "approved by," or "acceptable to," or "satisfactory to" Owner, unless otherwise expressly stated.

**4.1.2.** Where "as shown," "as indicated," "as detailed," or words of similar import are used, it shall be understood that the reference is made to the drawings accompanying the Contract unless stated otherwise. The word "provided" as used herein shall be understood to mean "provide complete in place," that is "furnished and installed."

**4.2. Shop Drawings.** Shop drawings include sketches, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by Job Order Contractor to explain in detail specific portions of the Work. Owner may duplicate, use, and disclose in any manner and for any purpose shop drawings delivered under the Contract. Shop drawings means drawings submitted to Owner by Job Order Contractor showing in detail:

**4.2.1.** The proposed fabrication and assembly of structural elements and,

**4.2.2.** The installation (i.e., form, fit and attachment details) of materials or equipment.

**4.2.3.** The construction and detailing of elements of the Work.

**4.3. Shop Drawing Coordination.** Job Order Contractor shall coordinate all shop drawings, and review them for accuracy, completeness, and compliance with Contract requirements and shall indicate its approval thereon as evidence of such coordination and review. Shop drawings submitted to Owner without evidence of Job Order Contractor's approval may be returned for resubmission. Owner will indicate its approval or disapproval of the shop drawings and if not approved as submitted shall indicate Owner's reasons therefore. Any work done before such approval shall be at Job Order Contractor's risk. Approval by Owner shall not relieve Job Order Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of the Contract, except with respect to variations described and approved in accordance with § 4.4 below.

**4.4. Shop Drawing Modifications.** If shop drawings show variations from the Job Order requirements, Job Order Contractor shall describe such variations in writing, separate from the drawings, at the time of submission. If Owner approves any such variation, Owner shall issue an appropriate Contract modification, except that, if the variation is minor and does not involve a change in price or in time of performance, a modification need not be issued.

**4.5. Shop Drawing Omissions.** Omissions from the drawings or specifications or the mis-description of details of work which are manifestly necessary to carry out the intent of the drawings and specifications, or which are customarily performed, shall not relieve Job Order Contractor from performing such omitted or mis-described details of the Work but they shall be performed as if fully and correctly set forth and described in the drawings and specifications.

**4.6. Owner Furnished Drawings.** Job Order Contractor shall check all Owner furnished drawings immediately upon receipt and shall promptly notify Owner of any discrepancies. Any errors or omissions in Owner furnished drawings are the responsibility of the Owner to rectify, including associated costs. Figures marked on drawings shall be followed in preference to scale measurements. Large scale drawings shall govern small scale drawings. Job Order Contractor shall compare all drawings and verify the figures before laying out the Work and will be responsible for any errors which might have been avoided thereby.

**4.7. Shop Drawing Submittal.** Job Order Contractor shall submit to Owner for approval an appropriate number of copies of all shop drawings as called for under the various headings of these specifications. Sets of all shop drawings will be retained by Owner and one set will be returned to Job Order Contractor with annotation of approval or rejection within one (1) week after submission, unless a longer review period is necessary by mutual agreement between Owner and Job Order Contractor.

**4.8. Use of Job Order Documents.** All drawings (to include as-built drawings), sketches, designs, design data, specifications, note books, technical and scientific data provided to Job Order Contractor or developed by Job Order Contractor pursuant to the Contract and all photographs, negatives, reports, findings, recommendations, data and memoranda of every description relating thereto, as well as all copies of the foregoing relating to the Work or any part thereof, shall be the property of Owner and may be used by Owner without any claim by Job Order Contractor for additional compensation, unless such material developed by Job Order Contractor does not result in an issued Job Order. In such cases, Job Order Contractor will receive reasonable reimbursement for the development of such materials before Owner uses them in any manner whatsoever. In addition, Owner agrees to hold Job Order Contractor harmless to the extent permitted by law from any legal liability arising out of the Owner's use of such materials.

## **5. MATERIAL AND WORKMANSHIP**

**5.1. Suitability of Material and Equipment.** All equipment, material, and articles incorporated in the Work covered by this Contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in the Contract. References in the specifications to equipment, material, article, or patented process by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. Job Order Contractor may, at its option, use any equipment, material, article, or process that, in the sole judgment and prior written approval of the Owner, is equal to that named in the specifications.

**5.2. Owner Approval.** Job Order Contractor shall obtain Owner's approval of the equipment to be incorporated into the Work. When requesting approval, Job Order Contractor shall furnish to Owner the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the equipment. When required by the Contract or by Owner, Job Order Contractor shall also obtain Owner's approval of the material or articles which Job Order Contractor contemplates incorporating into the Work. When requesting approval, Job Order Contractor shall provide

full information concerning the material or articles. When directed to do so, Job Order Contractor shall submit samples for approval. Machinery, equipment, material and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

**5.3. Testing of Materials.** Unless otherwise specified in a Job Order, the Job Order Contractor shall be responsible for any required testing of materials prior to incorporation into the Work. Reimbursement for testing required by third party entities will be included in the individual Job Order.

**5.4. Workmanship.** All work under the Contract shall be performed in a skillful and workmanlike manner.

## **6. SITE CONDITIONS**

**6.1. Site Investigation.** Job Order Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the Work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the Work or its cost, including but not limited to:

**6.1.1.** Conditions bearing upon transportation, disposal, handling, and storage of materials;

**6.1.2.** The availability of labor, water, electric power, and roads;

**6.1.3.** Uncertainties of weather, river stages, tides, or similar physical conditions at the site;

**6.1.4.** The visible conformation and conditions of the ground; and

**6.1.5.** The character of equipment and facilities needed preliminary to and during work performance.

**6.2. Surface and Subsurface Investigation.** Job Order Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done by Owner, as well as from the drawings and specifications made a part of this Contract. Owner will provide to Job Order Contractor all subsurface investigation reports it has commissioned, and has knowledge of, that reasonably reflect expected conditions at the location of the Job Order.

**6.3. Differing Site Conditions.** Job Order Contractor shall promptly, and before the conditions are disturbed, give a written notice to Owner of:

**6.3.1.** Subsurface or latent physical conditions at the site which differ materially from those indicated in the Contract, or

**6.3.2.** Unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

**6.4. Owner Investigation.** Owner shall investigate the site conditions promptly after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in Job Order Contractor's cost of, or the time required for, performing any part of the Work, whether or not changed as a result of the conditions, an equitable adjustment shall be made and the Job Order modified in writing accordingly.

**6.5. Written Notice of Differing Site Conditions.** No request by Job Order Contractor for an equitable adjustment to a Job Order under this § 6 shall be allowed, unless Job Order Contractor has given the written notice required.

**6.6. Payment Adjustment.** No request by Job Order Contractor for an equitable adjustment to a Job Order for differing site conditions shall be allowed if made after final payment under such Job Order.

## **7. JOB ORDER SCHEDULES**

**7.1. Construction Schedule.** If the Job Order Contractor fails to submit a schedule with the Job Order, Owner may withhold approval of progress payments until Job Order Contractor submits the required schedule. If required, the Job Order Contractor will submit for approval with the signed Job Order a practicable schedule showing the sequence in which Job Order Contractor proposes to perform the Work, and the dates on which Job Order Contractor contemplates starting and completing the several salient features of the Work (including acquiring materials, plant and equipment). The schedule may be a formal computerized schedule or a progress chart in a bar chart format of suitable scale to indicate appropriately the percentage of Work scheduled for completion by any given date during the period. In either case, the basic information should be the same and the schedule or chart must contain as a minimum:

**7.1.1.** A detailed list of work activities or work elements.

**7.1.2.** Show the logical dependencies (ties) to indicate what Work must be accomplished before other Work can begin.

**7.1.3.** Show early start and early finish dates along with late start and late finish dates for each work activity or work element.

**7.2. Failure to Submit Schedule.** Failure of Job Order Contractor to comply with the requirements of Owner under this clause shall be grounds for a determination by Owner that Job Order Contractor is not prosecuting the Work with sufficient diligence to ensure completion within the time specified in the Job Order. Upon making this determination, Owner may terminate Job Order Contractor's right to proceed with the Work if not cured within seven (7) days after written notice is provided, or any separable part of it, in accordance with § 14.

**7.3. Progress Report.** Job Order Contractor shall submit a progress report every thirty (30) days, or as directed by Owner, and upon doing so shall immediately deliver a current schedule to Owner if it has materially changed since the last submission of a schedule. If Job Order Contractor falls behind the approved schedule, Job Order Contractor shall take steps necessary to improve its progress, including those that may be reasonably required by Owner. Without additional cost to Owner, Owner may require Job Order Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant or equipment, and to submit for approval any supplementary schedule or schedules in chart form as Owner deems necessary to demonstrate how the approved rate of progress will be regained.

**7.4. Emergency Work.** Job Order Contractor will give top priority to any emergency Work Owner may have and will allocate all resources necessary to accomplish such Work in accordance with Owner's schedule requirements. To the extent the Job Order Contractor incurs additional cost, expense or schedule delay in performing Owner's emergency Work, Owner will equitably adjust the Contract in accordance with § 10.

## **8. INSPECTION OF CONSTRUCTION AND ACCEPTANCE**

**8.1. Job Order Contractor Inspection System.** Job Order Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the Work called for conforms to Job Order requirements. Job Order Contractor shall maintain complete inspection records and make them available to Owner. All work shall be conducted under the general direction of Owner and is subject to inspection and test by Owner at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the Contract.

**8.2. Owner Inspections and Tests.** Owner inspections and tests are for the sole benefit of Owner and do not:

8.2.1. Relieve Job Order Contractor of responsibility for providing adequate quality control measures;

8.2.2. Relieve Job Order Contractor of responsibility for damage to or loss of the material before acceptance;

8.2.3. Constitute or imply acceptance; or

8.2.4. Affect the continuing rights of Owner after acceptance of the complete work.

8.3. **Job Order Contractor Responsibilities.** The presence or absence of an inspector does not relieve Job Order Contractor from any Contract requirement, nor is the inspector authorized to change any term or condition of the specification without Owner's written authorization.

8.4. **Job Order Contractor Performance.** Job Order Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by Owner. Owner may charge to Job Order Contractor any additional cost of inspection or test when Work is not ready at the time specified by Job Order Contractor for inspection or test, or when prior rejection makes re-inspection or retest necessary. Owner shall perform all inspections and tests in a manner that will not unnecessarily delay the Work. Special, full size and performance tests shall be performed as described in the Job Order.

8.5. **Job Order Contractor Corrective Work.** Job Order Contractor shall, without charge, replace or correct Work found by Owner not to conform to Job Order requirements, unless Owner consents to accept the Work with an appropriate adjustment in Contract price. Job Order Contractor shall promptly segregate and remove rejected material from the premises.

8.6. **Failure to Replace or Correct Work.** If Job Order Contractor does not promptly replace or correct rejected Work, Owner may:

8.6.1. By Contract or otherwise, replace or correct the Work and charge the cost to Job Order Contractor; or

8.6.2. Terminate for default Job Order Contractor's right to proceed.

8.7. **Owner Inspection before Acceptance.** If, before acceptance of the entire Work, Owner decides to examine already completed Work by removing it or tearing it out, Job Order Contractor, on request, shall promptly furnish all necessary facilities, labor, and material. If the Work is found to be defective or nonconforming in any material respect due to the fault of Job Order Contractor or its subcontractors, Job Order Contractor shall bear the expenses of the examination and of satisfactory reconstruction. However, if the Work is found to meet requirements, Owner shall make an equitable adjustment for the additional services involved in the examination and reconstruction, including, if completion of the Work was thereby delayed, an extension of the period of time for performance.

8.8. **Owner Acceptance.** Unless otherwise specified in the Job Order, Owner shall accept, as promptly as practicable after completion and inspection, all work required by the Job Order or that portion of the Work that the Owner determines can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or Owner's rights under any warranty or guarantee.

## 9. INVOICING AND PAYMENT

9.1. **Compensation.** As full consideration for the satisfactory performance by Job Order Contractor of Work prescribed under the Contract, Owner shall pay Job Order Contractor the amounts specified in the individual Job Orders.

**9.2. Invoices.** Job Order Contractor shall submit invoices to the following address:

City of Peoria  
8401 W. Monroe St  
Peoria, AZ 85345

**9.3. Job Order Cost Proposal Structure.** For each Job Order, the Job Order Contractor shall prepare a Job Order Cost Proposal with the sufficient level of cost detail as required by the Owner. Cost detail may include, but is not limited to: schedule of values, work schedule, direct labor cost and fringe benefits, direct material costs (supported by quotes), direct equipment costs (supported by quotes), allowable overhead costs (includes insurance), allowable profit, cost of subcontractors (supported by quotes), and contractor's overhead allowance for subcontractor costs.

**9.4. Progress Payments.** Owner shall make progress payments monthly as the Work proceeds, or at more frequent intervals as determined by Owner, on estimates of Work completed submitted by the Job Order Contractor and approved by Owner. Job Order Contractor shall use an acceptable invoice form and shall include supporting documents to reflect a breakdown of the total price showing the amount included therein for each principal category of the Work, in such detail as requested, to provide a basis for determining progress payments. In the estimation of Work completed, Owner will authorize payment for material delivered on the site and preparatory work done if Job Order Contractor furnishes satisfactory evidence that it has acquired title to such material and that the material will be used to perform the Work.

**9.5. Retention.** Not applicable.

**9.6. Owner's Property.** All material and work covered by progress payments made shall, at the time of payment, become the sole property of Owner, but this provision shall not be construed as:

**9.6.1.** Relieving Job Order Contractor from the sole responsibility for all material and Work upon which payments have been made or the restoration of any damaged Work; or

**9.6.2.** Waiving the right of Owner to require the fulfillment of all of the terms of the Contract.

**9.7. Approval and Certification.** An estimate of the Work submitted shall be deemed approved and certified for payment after seven days from the date of submission unless before that time the Owner or Owner's agent prepares and issues a specific written finding setting forth those items in detail in the estimate of the Work that are not approved for payment under this contract. The Owner may withhold an amount from the progress payment sufficient to pay the expenses the Owner reasonably expects to incur in correcting the deficiency set forth in the written finding. The progress payments shall be paid on or before fourteen days after the estimate of the Work is certified and approved. The estimate of the Work shall be deemed received by the Owner on submission to any person designated by the Owner for the submission, review or approval of the estimate of the Work.

**9.8. Unpaid Amounts.** Owner shall pay all unpaid amounts due Job Order Contractor under this Contract within thirty (30) days, after:

**9.8.1.** Completion and acceptance of the Work;

**9.8.2.** Presentation of a properly executed invoice;

**9.8.3.** Presentation of release of all claims against Owner arising by virtue of the Contract, other than claims, in stated amounts, that Job Order Contractor has specifically excepted from the operation of the release. A release may also be required of the assignee if Job Order Contractor's claim to amounts payable under this Contract has been assigned. Job Order Contractor shall complete a Job Order Contractor's release form acceptable to Owner; or

**9.8.4.** Consent of Job Order Contractor's surety, if any.

## 10. CHANGES

**10.1. Owner Changes.** Owner may, at any time, without notice to the sureties, if any, by written order designated or indicated to be a change order, make changes in the Work within the general scope of the Job Orders, including changes:

10.1.1. In the specifications (including drawings and designs);

10.1.2. In Owner-furnished facilities, equipment, materials, services, or site; or

10.1.3. Directing acceleration in the performance of the Work, or otherwise altering the schedule for performance of the Work.

**10.2. Owner Change Orders.** Any other written order (which, as used in this paragraph, includes direction, instruction, interpretation, or determination) from Owner that causes a change shall be treated as a change order under this § 10; provided, that Job Order Contractor gives Owner timely written notice stating the date, circumstances, and source of the order and that Job Order Contractor regards the order as a change order.

**10.3. Contract Adjustments.** Except as provided in this § 10, no order, statement, or conduct of Owner shall be treated as a change under this § 10 or entitle Job Order Contractor to an equitable adjustment hereunder.

**10.4. Modification of the Job Order.** If any change under this § 10 causes an increase or decrease in Job Order Contractor's cost of, or the time required for, the performance of any part of the Work under a Job Order, whether or not changed by any such order, Owner shall negotiate an equitable adjustment and modify the Job Order in writing.

**10.5. Job Order Contractor Proposal.** Job Order Contractor must submit any proposal under this § 10 within thirty (30) calendar days after:

10.5.1. Receipt of a written change order under § 10.1 above; or

10.5.2. The furnishing of a written notice under § 10.2 above by submitting to Owner a written statement describing the general nature and amount of the proposal, unless this period is extended by Owner. The statement of proposal for adjustment may be included in the notice under § 10.2 above.

**10.6. Final Payment Limitation.** No proposal by Job Order Contractor for an equitable adjustment shall be allowed if asserted after final payment under the Job Order.

**10.7. Job Order Contractor Extension Justification.** Job Order Contractor shall furnish to the Owner a written proposal for any proposed extension in the period of performance. The proposal shall contain a price breakdown and period of performance extension justification.

**10.8. Job Order Contractor Price Breakdown Structure.** Job Order Contractor, in connection with any proposal it makes for a Job Order change shall furnish a price breakdown itemized as required by Owner and the pricing matrix as required in the awarded contract.

## 11. INSURANCE & BONDS

**11.1. Job Order Contractor Insurance.** Job Order Contractor shall purchase and maintain in effect during the term of this Contract insurance of the types and with minimum limits of liability as stated below. Such insurance shall protect Job Order Contractor and Owner from claims which may arise out of or result from Job Order Contractor's operations whether such operations are performed by Job Order Contractor or by any subcontractor or by anyone for whose acts any of them may be liable.

**11.1.1. WORKERS' COMPENSATION INSURANCE** providing statutory benefits in accordance with the laws of the State of Arizona or any Federal statutes as may be applicable to the Work being performed under this Contract.

**11.1.2. EMPLOYER'S LIABILITY INSURANCE** with limits of liability not less than: \$1,000,000 Each Accident; \$1,000,000 Each Employee for Disease; and \$1,000,000 Policy Limit for Disease.

**11.1.3. COMMERCIAL GENERAL LIABILITY INSURANCE** including Products/Completed Operations and Contractual Liability with limits of liability not less than: \$2,000,000 General Aggregate; \$2,000,000 Products/Completed Operations Aggregate; and \$2,000,000 Each Occurrence.

**11.1.4. AUTOMOBILE LIABILITY INSURANCE** covering all owned, hired and non-owned motor vehicles used in connection with the Work being performed under this Contract with limits of liability not less than: \$1,000,000 Each Person for Bodily Injury; \$1,000,000 Each Accident for Bodily Injury; and \$1,000,000 Each Occurrence for Property Damage.

**11.2. Owner as Additional Insured.** The policies providing Commercial General Liability and Automobile Liability insurance as required in § 11.1 shall be endorsed to name Owner as Additional Insured. Such insurance as is provided herein shall be primary and non-contributing with any other valid and collectible insurance available to Owner.

**11.3. Policy Endorsement.** All policies providing Job Order Contractor's insurance as required in § 11.1 above shall be endorsed to provide the following:

**11.3.1.** Thirty days written notice of cancellation or non-renewal given to Owner at the address designated in § 16.2.

**11.3.2.** Waiver of subrogation in favor of Owner.

**11.4. Limits of Liability.** The limits of liability as required above may be provided by a single policy of insurance or by a combination of primary, excess or umbrella policies. But in no event shall the total limits of liability available for any one occurrence or accident be less than the amount required above.

**11.5. Certificate of Insurance.** Proof of compliance with these insurance requirements shall be furnished Owner in the form of an original certificate of insurance signed by an authorized representative or agent of the insurance company(ies) within ten (10) days of execution of this agreement. Renewal or replacement certificates shall be furnished Owner not less than twenty-one (21) days prior to the expiration or termination date of the applicable policy(ies).

**11.6. Subcontractor Insurance.** Job Order Contractor shall require any and all subcontractors performing Work under this Contract to carry insurance of the types and with limits of liability as Job Order Contractor shall deem appropriate and adequate for the Work being performed. Job Order Contractor shall obtain and make available for inspection by Owner upon request current certificates of insurance evidencing insurance coverages carried by such subcontractors.

**11.7. Bonds.** If required by Owner, Job Order Contractor shall furnish Performance and Payment Bonds, each in an amount equal to one hundred percent (100%) of the Work, in a penal sum equal to the aggregate price of all Job Orders issued to the Job Order Contractor. The Performance and Payment Bonds must be submitted to Owner within ten (10) calendar days after issuance of a Job Order.

**11.8. Notice to Proceed.** Notice to Proceed will not be issued until properly executed bonds are received and accepted by Owner. A separate Notice to Proceed will be issued for each Job Order. The Notice to Proceed shall stipulate the actual contract start date, the contract duration and the contract completion date. The time required for the Contractor to obtain permits, licenses and easements shall be included in the contract duration and shall not be justification for a delay claim by the Contractor. The

time required for the Contractor to prepare, transmit and obtain approval of applicable submittals shall be included in the contract duration and shall not be justification for a delay claim by the Contractor. No work shall be started until after all required permits, licenses, and easements have been obtained. No work shall be started until all applicable submittals have been submitted and returned approved by the Owner's Representative. The Contractor shall notify the City of Peoria's project manager or engineer at least seventy-two (72) hours before the following events:

**11.8.1. The start of construction in order to arrange for inspection.**

**11.8.2. Shutdown of City water, sewer, drainage, irrigation and traffic control facility.**

**11.8.3. Shutdown of existing water wells and booster pumps. Shutdown shall not exceed seventy-two (72) hours for any installation. Only one installation may be shutdown at any time.**

**11.8.4. Coordination of all draining and filling of water lines and irrigation laterals and all operations of existing valves or gages with the project manager.**

**11.8.5. Start-up or testing of any water well or booster pump to be connected to any part of the existing City water system. This includes operation of existing valves necessary to accommodate the water.**

**12. INDEMNIFICATION.** To the fullest extent permitted by law, the Job Order Contractor shall defend, indemnify and hold harmless the Owner, its agents, representatives, officers, directors, officials and employees from and against all claims, damages, losses and expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work or services of the Job Order Contractor, its employees, agents, or any tier of subcontractors in the performance of this Contract. Job Order Contractor's duty to defend, hold harmless and indemnify the Owner, its agents, representatives, officers, directors, officials and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting there from, caused by any acts, errors, mistakes, omissions, work or services in the performance of this Contract including any employee of the Job Order Contractor or any tier of subcontractor or any other person for whose acts, errors, mistakes, omissions, work or services the Job Order Contractor may be legally liable. The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

**13. DISPUTES.**

**13.1. Party Cooperation.** The parties are fully committed to working with each other throughout the term of the Contract and agree to communicate regularly with each other at all times so as to avoid or minimize disputes or disagreements. If disputes or disagreements do arise, Job Order Contractor and Owner each commit to resolving such disputes or disagreements in an amicable, professional and expeditious manner so as to avoid unnecessary losses, delays and disruptions to the Work.

**13.2. Field Level Resolution.** Job Order Contractor and Owner will first attempt to resolve disputes or disagreements at the field level through discussions between the parties' representatives named herein.

**13.3. Job Order Contractor Performance.** The Job Order Contractor shall continue to perform the Work and Owner shall continue to satisfy its payment obligations to Job Order Contractor, pending the final resolution of any dispute or disagreements between the parties.

**13.4. Partnering.** If requested and mutually agreed upon, the Owner and Job Order Contractor will share in the expense of an initial facilitated partnering workshop, followed up by periodic refresher meetings at mutually agreed times. The goal of the workshop will be to identify common goals, common interests, lines of communication, and a commitment to cooperative problem solving.

**13.5. Owner's Representative.** Owner designates the individual listed below as its representative, which individual has the authority and responsibility for avoiding and resolving disputes under this Contract. (Identify individual's name, title, address and telephone numbers)

City of Peoria, Materials Management  
Dan Zenko, Materials Management Supervisor  
9875 N. 85<sup>th</sup> Ave – 2<sup>nd</sup> Floor  
Peoria, AZ 85345

**13.6. Job Order Contractor's Representative.** Job Order Contractor designates the individual listed below as its representative, which individual has the authority and responsibility for avoiding and resolving disputes under this Contract. (Identify individual's name, title, address and telephone numbers)

MGC Contractors Inc.  
Randy Gates, President  
4110 E. Elwood Street  
Phoenix, AZ 85040  
(602) 437-5000

**13.7. Owner's Resolution.** Any dispute which is not disposed of by agreement will be decided by the Owner, who will reduce its decision to writing and mail or otherwise furnish a copy thereof to the Job Order Contractor. Any dispute not finally resolved under this § 13 may be brought before the state courts of the State of Arizona and adjudicated in accordance with the laws of Arizona.

#### **14. TERMINATION AND DEFAULT**

**14.1. Termination for Convenience.** Owner may terminate performance of the Work under this Contract in whole or, from time to time, in part if Owner determines that termination is in Owner's interest. Owner shall effect such termination by delivering to Job Order Contractor a Notice of Termination specifying the extent of termination and the effective date.

**14.2. Notice of Termination.** After receipt of a Notice of Termination, and except as directed by Owner, Job Order Contractor shall immediately proceed with the following obligations, regardless of any delay in determining or adjusting any amounts due under this § 14:

**14.2.1.** Stop work as specified in the notice;

**14.2.2.** Place no further subcontracts or orders (referred to as subcontracts in this § 14) for materials, services or facilities, except as necessary to complete any Work not terminated;

**14.2.3.** Assign to Owner, if directed by Owner, all right, title, and interest of Job Order Contractor under the subcontracts to the extent they relate to the Work terminated, in which case Owner shall have the right to settle or to pay any termination settlement proposal arising out of those terminations, or with approval or ratification to the extent required by Owner, settle all outstanding liabilities and termination settlement proposals arising from the termination of subcontracts, the approval or ratification of which will be final for purposes of this § 14;

**14.2.4.** As directed by Owner, transfer title and deliver to Owner:

**14.2.4.1.** The fabricated or unfabricated parts, Work in progress, completed Work, supplies, and other material produced or acquired for the Work terminated;

**14.2.4.2.** The completed or partially completed plans, drawings, information, and other property that, if the Contract had been completed, would be required to be furnished to Owner;

**14.2.5.** Complete performance of the Work not terminated;

**14.2.6.** Take any action that may be necessary, or that Owner may direct, for the protection and preservation of the property related to this Contract that is in the possession of Job Order Contractor and in which Owner has or may acquire an interest; and

**14.2.7.** Use its best efforts to sell, as directed or authorized by Owner, any property of the types referred to in § 14.2.3 above; provided, however, that Job Order Contractor is not required to extend credit to any purchaser and may acquire the property under the conditions prescribed by, and at prices approved by, Owner. The proceeds of any transfer or disposition will be applied to reduce any payments to be made by Owner under the Contract, credited to the price or cost of the Work, or paid in any other manner directed by Owner.

**14.3. Final Termination Settlement Proposal.** After termination, Job Order Contractor shall submit a final termination settlement proposal to Owner in the form and with the certification prescribed by Owner. Job Order Contractor shall submit the proposal promptly, but no later than one year from the effective date of termination.

**14.4. Owner Payment.** Job Order Contractor and Owner may agree upon the whole or any part of the amount to be paid because of the termination. The amount will include a reasonable allowance for profit on work done. The Contract shall be amended, and Job Order Contractor paid the agreed amount.

**14.4.1.** If Job Order Contractor and Owner fail to agree on the whole amount to be paid Job Order Contractor because of the termination of work, Owner shall pay Job Order Contractor the amounts determined as follows, but without duplication of any amounts agreed upon under § 14.4 above:

**14.4.1.1.** For Work performed before the effective date of termination, the total (without duplication of any items) of:

**14.4.1.1.1.** The cost of this Work;

**14.4.1.1.2.** The cost of settling and paying termination settlement proposals under terminated subcontracts that are properly chargeable to the terminated portion of the Contract if not included in § 14.4.1.1.1. above; and

**14.4.1.1.3.** A markup, including overhead and profit, on § 14.4.1.1.1. above as is determined for pricing changes.

**14.4.1.2.** The reasonable costs of settlement of the Work terminated, including:

**14.4.1.2.1.** Accounting, legal, clerical, and other expenses reasonably necessary for the preparation of termination settlement proposals and supporting data;

**14.4.1.2.2.** The termination and settlement of subcontracts (excluding the amounts of such settlements); and

**14.4.1.2.3.** Storage, transportation, and other costs incurred, reasonably necessary for the preservation, protection, or disposition of the termination inventory.

**14.5. Destroyed, Lost, Stolen or Damaged Property.** Except for normal spoilage, and except to the extent that Owner expressly assumed the risk of loss, Owner shall exclude from the amounts payable to Job Order Contractor under Subparagraph 14.4.1 above, the fair value, as determined by Owner, of property that is destroyed, lost, stolen, or damaged so as to become undeliverable to Owner or to a buyer.

**14.6. Amount Due Job Order Contractor.** In arriving at the amount due Job Order Contractor under this § 14, there shall be deducted:

**14.6.1.** All unliquidated advances or other payments to Job Order Contractor under the terminated portion of the Job Order;

**14.6.2.** Any claim which Owner has against Job Order Contractor under the Contract; and

**14.6.3.** The agreed price for, or the proceeds of sale of, materials, supplies, or other things acquired by Job Order Contractor or sold under the provisions of this § 14 and not recovered by or credited to Owner.

**14.7. Partial Termination.** If the termination is partial, Job Order Contractor may file a proposal with Owner for an equitable adjustment of the price(s) of the continued portion of any Job Order. Any proposal by Job Order Contractor for an equitable adjustment under this § 14 shall be requested within ninety (90) calendar days from the effective date of termination unless extended in writing by Owner. Owner may, under the terms and conditions it prescribes, make partial payments and payments against costs incurred by Job Order Contractor of the terminated portion of any Job Order, if Owner believes the total of these payments will not exceed the amount to which Job Order Contractor will be entitled.

**14.8. Excess Payments.** If the total payments exceed the amount finally determined to be due, Job Order Contractor shall repay the excess to Owner upon demand.

**14.9. Job Order Contractor Records.** Unless otherwise provided in this Contract or by statute, Job Order Contractor shall maintain all records and documents relating to the terminated portion of this Contract for three (3) years after final settlement. This includes all books and other evidence bearing on Job Order Contractor's costs and expenses under this Contract. Job Order Contractor shall make these records and documents available to Owner, at Job Order Contractor's office, at all reasonable times, without cost. If approved by Owner, photographs, microphotographs, or other authentic reproductions may be maintained instead of original records and documents.

**14.10. Default.** If Job Order Contractor refuses or fails to prosecute the Work, or any separable part, with the diligence that will ensure its completion within the time specified in the Job Order including any extension, or fails to complete the Work within this time, Owner may terminate the Job Order Contractor's right to proceed with the Work (or separable part of the Work), upon thirty (30) days written notice to the Job Order Contractor. In this event, Owner may take over the Work and complete it by Contract or otherwise and may take possession of and use any materials, appliances, and plant on the site necessary for completing the Work.

**14.11. Job Order Contractor's Right to Proceed.** Job Order Contractor's right to proceed shall not be terminated under this § 14, if:

**14.11.1.** The delay in completing the Work arises from unforeseeable causes beyond the control and without the fault or negligence of Job Order Contractor. Examples of such causes include: acts of God or of the public enemy, acts of Owner in its Contractual capacity, acts of another contractor in the performance of a Contract with Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather (The basis used to define normal weather will be data showing high and low temperatures, precipitation, and number of days of severe weather in the city closest to the site for the previous ten (10) years, as compiled by the United States Department of Commerce National Weather Service.), or delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both Job Order Contractor and the subcontractors or suppliers; and

**14.11.2.** Job Order Contractor, within 30 calendar days from the beginning of any such delay (unless extended by Owner), notifies Owner in writing of the causes of delay. The Owner shall ascertain the facts and the extent of delay. If, in the judgment of Owner, the findings of fact warrant such action, the time for completing the Work shall be extended. The findings of Owner shall be final and conclusive on the parties, but subject to appeal and review under § 13.

**14.12. Owner's Right to Terminate.** The rights and remedies of Owner in this § 14 are in addition to any other rights and remedies provided by law or under this Contract.

**14.13. Owner and Job Order Contractor Rights.** If, after termination of Job Order Contractor's right to proceed, it is determined that Job Order Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been issued for the convenience of Owner.

**14.14. Liquidated Damages.** Liquidated Damages shall be assessed for each calendar of delay. Liquidated Damages shall be per MAG Specs, Section 108.9 per day for each calendar day of delay. If the contract is not terminated, the contractor shall continue performance and be liable to the Owner for the liquidated damages until the products are delivered or services performed. In the event the City exercises its right of termination, the contractor shall be liable to the Owner for any excess costs, and in addition, for liquidated damages until such time the Owner may reasonably obtain delivery or performance of similar supplies or services.

**14.15. Immigration Act.** Contractor understands and acknowledges the applicability to Contractor of the Immigration Reform and Control Act of 1986 (IRCA). Contractor agrees to comply with the IRCA in performing under this contract and to permit City inspection of personnel records to verify such compliance.

## **15. WARRANTY OF CONSTRUCTION**

**15.1. Applicable Warranties.** In addition to any other warranties in any Job Orders, Job Order Contractor warrants, except as provided in § 15.10, that work performed conforms to the Job Order requirements and is free of any defect in equipment, material or design furnished, or workmanship performed by Job Order Contractor or any of its subcontractors or suppliers at any tier.

**15.2. Warranty Duration.** This warranty shall continue for a period of one (1) year from the date of final acceptance of the Work. If Owner takes possession of any part of the Work before final acceptance, this warranty shall continue for a period of one (1) year from the date possession is taken.

**15.3. Job Order Contractor Corrective Work.** Job Order Contractor shall remedy at Job Order Contractor's expense any failure of the Work to conform to the plans and specifications, or any construction defect. In addition, the Job Order Contractor shall remedy at Job Order Contractor's expense any damage to Owner's real or personal property, when that damage is the result of:

**15.3.1.** Job Order Contractor's failure to conform to requirements; or

**15.3.2.** Any defect of equipment, material, workmanship, or design furnished by the Job Order Contractor.

**15.4. Job Order Contractor Restoration.** Job Order Contractor shall restore any work damaged in fulfilling the terms and conditions of this § 15. Job Order Contractor's warranty with respect to work repaired or replaced will run for one (1) year from the date of repair or replacement.

**15.5. Owner Notification.** Owner shall notify Job Order Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage.

**15.6. Failure to Correct Work.** If Job Order Contractor fails to remedy any failure, defect, or damage within ten (10) days after receipt of notice, Owner shall have the right to replace, repair, or otherwise remedy the failure, defect or damage at Job Order Contractor's expense.

**15.7. Subcontractor and Supplier Warranties.** With respect to all warranties, expressed or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished for Job Orders issued under this Contract, Job Order Contractor shall:

**15.7.1.** Obtain all warranties required by the Job Order;

**15.7.2.** Require all warranties to be executed, in writing, for the benefit of Owner; and

15.7.3. Enforce all warranties for the benefit of Owner.

15.8. **Owner Remedy.** In the event Job Order Contractor's warranty under § 15.2 has expired, Owner may bring suit at its expense to enforce a subcontractor's, manufacturer's, or supplier's warranty.

15.9. **Owner Furnished Material or Design.** Unless a defect is caused by the negligence of Job Order Contractor or subcontractor or supplier at any tier, Job Order Contractor shall not be liable for the repair of any defects of material or design furnished by Owner or for the repair of any damage that results from any defect in Owner-furnished material or design.

15.10. **Pre-Existing Work.** Job Order Contractor is not responsible for and does not warranty pre-existing work or facilities that may be assigned to Job Order Contractor except as modified by the Job Order.

15.11. **Owner's Rights.** This warranty shall not limit Owner's rights under § 8 of this Contract with respect to latent defects, gross mistakes, or fraud.

## 16. STANDARD TERMS AND CONDITIONS

16.1. **Contract Order of Precedence.** In the event of an inconsistency between provisions of this Contract, the inconsistency shall be resolved by giving precedence in the following order:

16.1.1. Contract Modifications, if any;

16.1.2. This Contract, including Attachments;

16.1.3. Job Orders;

16.1.4. Drawings; and

16.1.5. Specifications.

16.2. **Certification.** By signature in the Offer section of the Offer and Contract Award page the Job Order Contractor certifies:

16.2.1. The submission of the offer did not involve collusion or other anti-competitive practices.

16.2.2. The Job Order Contractor shall not discriminate against any employee or applicant for employment.

16.2.3. The Job Order Contractor has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip favor, or service to a public servant in connection with the submitted offer. Failure to sign the offer, or signing it with a false statement, shall void the submitted offer or any resulting contracts, and the vendor may be debarred.

16.2.4. The Job Order Contractor is licensed to perform the Work pursuant to Arizona Revised Statutes Title 32, Chapter 10.

16.3. **Bribes and Kick-Backs.** The Job Order Contractor shall not by any means:

16.3.1. Induce any person or entity employed in the construction of the Project to give up any part of the compensation to which that person or entity is entitled;

16.3.2. Confer on any governmental, public or quasi-public official having any authority or influence over the Project, any payment, loan subscription, advance, deposit of money, services or anything of value, present or promised;

**16.3.3.** Offer nor accept any bribes or kick-backs in connection with the Project from or to any individual or entity, including any of its trade contractors, subcontractors, consultants, suppliers or manufacturers of Project goods and materials; or,

**16.3.4.** Without the express written permission of the Owner, call for or by exclusion require or recommend the use of any subcontractor, consultant, product, material, equipment, system, process or procedure in which the Job Order Contractor has a direct or indirect proprietary or other pecuniary interest.

**16.4. Applicable Law.** In the performance of this agreement, contractors shall abide by and conform to any and all laws of the United States, State of Arizona and City of Peoria including but not limited to federal and state executive orders providing for equal employment and procurement opportunities, the Federal Occupational Safety and Health Act and any other federal or state laws applicable to this agreement.

Contractor specifically understands and acknowledges the applicability to it of the Americans with Disabilities Act, the Immigration Reform and Control Act of 1986, and the Drug Free Workplace Act of 1989. In addition, if this agreement pertains to construction, Contractor must also comply with A.R.S. § 34-301, as amended (Employment of Aliens on Public Works Prohibited) and A.R.S. § 34-302, as amended (Residence Requirements for Employees).

Under the provisions of A.R.S. § 41-4401, Contractor hereby warrants to the City that Contractor and each of its subcontractors ("Subcontractors") will comply with, and are contractually obligated to comply with, all Federal immigration laws and regulations that relate to their employees and A.R.S. § 23-214(A) (hereinafter, "Contractor Immigration Warranty").

A breach of the Contractor Immigration Warranty shall constitute a material breach of this agreement and shall subject Contractor to penalties up to and including termination of this agreement at the sole discretion of the City. The City may, at its sole discretion, conduct random verification of the employment records of Contractor and any Subcontractors to ensure compliance with the Contractor Immigration Warranty. Contractor agrees to assist the City in regard to any random verifications performed.

Neither Contractor nor any Subcontractor shall be deemed to have materially breached the Contractor Immigration Warranty if Contractor or the Subcontractor establishes that it has complied with the employment verification provisions prescribed by §§ 274A and 274B of the Federal Immigration and Nationality Act and the E-Verify requirements prescribed by A.R.S. §23-214(A).

The provisions of this Paragraph must be included in any contract Contractor enters into with any Subcontractors who provide services under this agreement or any subcontract. "Services" is defined as furnishing labor, time or effort in the State of Arizona by a contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

Contractor warrants, for the term of this agreement and for six months thereafter, that it has fully complied with the requirements of the Immigration Reform and Control Act of 1986 and all related or similar legal authorities.

This contract shall be governed by the City and Contractor shall have all remedies afforded each by the Uniform Commercial Code, as adopted in the State of Arizona, except as otherwise provided in this contract or in statutes pertaining specifically to the City. This contract shall be governed by the laws of the State of Arizona and suit pertaining to this contract may be brought only in courts in the State of Arizona.

This contract is subject to the provisions of ARS §38-511; the City may cancel this contract without penalty or further obligations by the City or any of its departments or agencies if any person

significantly involved in initiating, negotiating, securing, drafting or creating the contract on behalf of the City or any of its departments or agencies, is at any time while the contract or any extension of the contract is in effect, an employee of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract..

**16.4.1. Job Order Contractor warrants**, for the term of this agreement and for six months thereafter, that it has fully complied with the requirements of the Immigration Reform and Control Act of 1986 and all related or similar legal authorities.

**16.4.2. This contract shall be governed by the Owner.** City and Job Order Contractor shall have all remedies afforded each by the Uniform Commercial Code, as adopted in the State of Arizona, except as otherwise provided in this contract or in statutes pertaining specifically to the Owner. This contract shall be governed by the laws of the State of Arizona. Any lawsuit pertaining to this contract may be brought only in courts in the State of Arizona.

**16.4.3. This contract is subject to the provisions of ARS § 38-511;** the Owner may cancel this contract without penalty or further obligations by the Owner or any of its departments or agencies if any person significantly involved in initiating, negotiating, securing, drafting or creating the contract on behalf of the Owner or any of its departments or agencies, is at any time while the contract or any extension of the contract is in effect, an employee of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract.

**16.5. Legal Remedies:** All claims and controversies shall be subject to resolution according to the terms of the City of Peoria Procurement Code.

**16.6. Contract:** The contract between the Owner and the Job Order Contractor shall consist of (1) the Solicitation, including instructions, all terms and conditions, specifications, scopes of work, attachments, price sheet(s) and any amendments thereto, and (2) the offer submitted by the Job Order Contractor in response to the solicitation. In the event of a conflict in language between the Solicitation and the Offer, the provisions and requirements in the Solicitation shall govern. However, the Owner reserves the right to clarify, in writing, any contractual terms with the concurrence of the Job Order Contractor, and such written contract shall govern in case of conflict with the applicable requirements stated in the Solicitation or the Vendor's offer. The Solicitation shall govern in all other matters not affected by the written contract.

**16.7. Contract Amendments:** This contract may be modified only by a written Contract Amendment signed by persons duly authorized to enter into contracts on behalf of the Owner and the Job Order Contractor.

**16.8. Contract Applicability:** The Offeror shall substantially conform to the terms, conditions, specifications and other requirements found within the text of this Solicitation. All previous agreements, contracts, or other documents, which have been executed between the Offeror and the Owner are not applicable to this Solicitation or any resultant contract.

**16.9. Severability.** The provisions of this contract are severable to the extent that any provision or application held to be invalid shall not affect any other provision or application of the contract which may remain in effect without the invalid provision or application.

**16.10. Relationship to Parties.** It is clearly understood that each party will act in its individual capacity and not as an agent, employee, partner, joint venturer, or associate of the other. An employee or agent of one party shall not be deemed or construed to be the employee or agent of the other for any purpose whatsoever. The Job Order Contractor is advised that taxes or Social Security payments will not be withheld from any City payments issued hereunder and that the Job Order Contractor should make arrangements to directly pay such expenses, if any.

**16.11. No Delegation or Assignment.** Contractor shall not delegate any duty under this Contract, and no right or interest in this Contract shall be assigned by Contractor to any successor entity or third party, including but not limited to an affiliated successor or purchaser of Contractor or its assets, without prior written permission of the City. The City, at its option, may cancel this Contract in the event Contractor undertakes a delegation or assignment without first obtaining the City's written approval. Contractor agrees and acknowledges that it would not be unreasonable for the City to decline to approve a delegation or assignment that results in a material change to the services provided under this Contract or an increased cost to the City.

**16.12. Job Order Contractor/Supplier Contract.** The Job Order Contractor shall enter into written contracts with its subcontractor(s) and supplier(s), if any, and those written contracts shall be consistent with this Contract for Construction. It is the intent of the Owner and the Job Order Contractor that the obligations of the Job Order Contractor's subcontractor(s) and supplier(s), if any, inure to the benefit of the Owner and the Job Order Contractor, and that the Owner be a third-party beneficiary of the Job Order Contractor's agreements with its subcontractor(s) and supplier(s).

**16.12.1.** The Job Order Contractor shall make available to each subcontractor and supplier, if any, prior to the execution of written contracts with any of them, a copy of the pertinent portions of this Contract for Construction, including those portions of the Construction documents to which the subcontractor or supplier will be bound, and shall require that each subcontractor and supplier shall similarly make copies of applicable parts of such documents available to its respective subcontractor(s) and supplier(s).

**16.12.2.** The Job Order Contractor shall engage each of its subcontractor(s) and supplier(s) with written contracts which preserve and protect the rights of the Owner and include the acknowledgment and agreement of each subcontractor or supplier that the Owner is a third-party beneficiary of the contract. The Job Order Contractor's agreements with its subcontractor(s) and supplier(s) shall require that in the event of default under, or termination of, this Contract for Construction, and upon request of the Owner, the Job Order Contractor's subcontractor(s) and supplier(s) will perform services for the Owner.

**16.12.3.** The Job Order Contractor shall include in its agreements with its subcontractor(s) and supplier(s) a provision which contains the acknowledgment and agreement of the subcontractor or supplier that it has received and reviewed the applicable terms, conditions and requirements of this Contract for Construction that are included by reference in its written contract with the Job Order Contractor, and that it will abide by those terms, conditions and requirements.

**16.13. Rights and Remedies.** No provision in this document or in the vendor's offer shall be construed, expressly or by implication, as waiver by the Owner of any existing or future right and/or remedy available by law in the event of any claim of default or breach of contract. The failure of the Owner to insist upon the strict performance of any term or condition of the contract or to exercise or delay the exercise of any right or remedy provided in the contract, or by law, or the Owner's acceptance of and payment for materials or services, shall not release the Job Order Contractor from any responsibilities or obligations imposed by this contract or by law, and shall not be deemed a waiver of any right of the Owner to insist upon the strict performance of the Contract.

**16.14. Overcharges By Antitrust Violations.** The Owner maintains that, in practice, overcharges resulting from antitrust violations are borne by the purchaser. Therefore, to the extent permitted by law, the Job Order Contractor hereby assigns to the Owner any and all claims for such overcharges as to the goods and services used to fulfill the Contract.

**16.15. Force Majeure.** Except for payment for sums due, neither party shall be liable to the other nor deemed in default under this Contract if and to the extent that such party's performance of this Contract is prevented by reason of force Majeure.

**16.15.1.** The term "*force majeure*" means an occurrence that is beyond the control of the party affected and occurs without its fault or negligence. Without limiting the foregoing, force majeure includes acts of God; acts of the public enemy; war; riots; strikes; mobilization; labor disputes; civil disorders; fire; floods; lockouts, injunctions-intervention-acts, or failures or refusals to act by government authority; and other similar occurrences beyond the control of the party declaring force majeure which such party is unable to prevent by exercising reasonable diligence. The force majeure shall be deemed to commence when the party declaring force majeure notifies the other party of the existence of the force majeure and shall be deemed to continue as long as the results or effects of the force majeure prevent the party from resuming performance in accordance with this Contract.

**16.15.2.** Force majeure shall not include the following occurrences: late delivery of equipment or materials caused by congestion at a manufacturer's plant or elsewhere, an oversold condition of the market, inefficiencies, or similar occurrences; late performance by a subcontractor unless the delay arises out of a force majeure occurrence in accordance with this Force Majeure term and Condition; or any delay or failure in performance by either party hereto shall not constitute default hereunder or give rise to any claim for damages or loss of anticipated profits if, and to the extent that such delay or failure is caused by force majeure. If either party is delayed at any time in the progress of the work by force majeure, then the delayed party shall notify the other party in writing of such delay within forty-eight (48) hours commencement thereof and shall specify the causes of such delay in such notice. Such notice shall be hand delivered or mailed *Certified-Return Receipt* and shall make a specific reference to this article, thereby invoking its provisions. The delayed party shall cause such delay to cease as soon as practicable and shall notify the other party in writing. The time of completion shall be extended by contract modification for a period of time equal to the time that the results or effects of such delay prevent the delayed party from performing in accordance with this contract.

**16.16. Right To Assurance.** Whenever one party to this contract in good faith has reason to question the other party's intent to perform he may demand that the other party give a written assurance of this intent to perform. In the event that a demand is made and no written assurance is given within five (5) days, the demanding party may treat this failure as an anticipatory repudiation of the Contract.

**16.17. Right To Audit Records.** The City may, at reasonable times and places, audit the books and records of any Contractor as related to any contract held with the City. This right to audit also empowers the City to inspect the papers of any Contractor or Subcontractor employee who works on this contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration Warranty made pursuant to Paragraph 16.4 above.

**16.18. Warranties.** Job Order Contractor warrants that all material, service or construction delivered under this contract shall conform to the specifications of this contract. Unless otherwise stated in Job Order Contractor's response, the Owner is responsible for selecting items, their use, and the results obtained from any other items used with the items furnished under this contract. Mere receipt of shipment of the material/service specified and any inspection incidental thereto by the Owner shall not alter or affect the obligations of the Job Order Contractor or the rights of the Owner under the foregoing warranties. Additional warranty requirements may be set forth in the solicitation.

**16.19. Inspection.** All material and/or services are subject to inspection and acceptance by the Owner. Materials and/or services failing to conform to the specifications of this Contract will be held at Job Order Contractor's risk and may be returned to the Job Order Contractor. If so returned, all costs are the responsibility of the Job Order Contractor. The Owner may elect to do any or all of the following:

- 16.19.1.** Waive the non-conformance.
- 16.19.2.** Stop the work immediately.
- 16.19.3.** Bring material into compliance.

16.19.4. This shall be accomplished by a written determination from the Owner.

16.20. **Title and Risk of Loss.** The title and risk of loss of material and/or service shall not pass to the Owner until the Owner actually receives the material or service at the point of delivery, unless otherwise provided within this Contract.

16.21. **No Replacement of Defective Tender.** Every tender of materials shall fully comply with all provisions of the Contract. If a tender is made which does not fully conform, this shall constitute a breach of the Contract as a whole.

16.22. **Shipment Under Reservation Prohibited.** Job Order Contractor is not authorized to ship materials under reservation and no tender of a bill of lading will operate as a tender of the materials.

16.23. **Liens.** All materials, service or construction shall be free of all liens, and if the Owner requests, a formal release of all liens shall be delivered to the Owner.

16.24. **Licenses.** shall maintain in current status, all Federal, State and Local licenses and created under this contract are the property of the Owner and shall not be used or released by the Job Order Contractor or any other person except with the prior written permission of the Owner.

16.25. **Patents and Copyrights.** All services, information, computer program elements, reports and other deliverables, which may be patented or copyrighted and created under this contract are the property of the Owner and shall not be used or released by the Job Order Contractor or any other person except with the prior written permission of the Owner.

16.26. **Cost of Bid/Proposal Preparation.** The Owner shall not reimburse the cost of developing presenting or providing any response to this solicitation. Offers submitted for consideration should be prepared simply and economically, providing adequate information in a straightforward and concise manner.

16.27. **Public Records.** All offers submitted in response to this solicitation shall become the property of the City and shall become a matter of public record available for review, subsequent to the award notification, in accordance with the City's Procurement Code. However, subsequent to the award of the contract, any information and documents obtained by the City during the course of an audit conducted in accordance with Paragraph 16.17 above for the purpose of determining compliance by Contractor or a Subcontractor with the Contractor Immigration Warranty mandated by Paragraph 16.4 above shall remain confidential and shall not be made available for public review or produced in response to a public records request, unless the City is ordered or otherwise directed to do so by a court of competent jurisdiction.

16.28. **Advertising.** Job Order Contractor shall not advertise or publish information concerning this Contract, without prior written consent of the Owner.

16.29. **Delivery Orders.** The Owner shall issue a Purchase Order for the material and/or services covered by this contract. All such documents shall reference the contract number as indicated on the signature page of the contract

16.30. **Prohibited Lobbying Activities.** The Offeror, his/her agent or representative shall not contact, orally or in any written form any City elected official or any City employee other than the Materials Management Division, the procuring department, City Manager, Deputy City Manager or City Attorney's office (for legal issues only) regarding the contents of this solicitation or the solicitation process commencing from receipt of a copy of this request for proposals and ending upon submission of a staff report for placement on a City Council agenda. The Materials Manager shall disqualify an Offeror's proposal for violation of this provision. This provision shall not prohibit an Offeror from petitioning an elected official after submission of a staff report for placement on a City Council agenda or engaging in any other protected first amendment activity after submission of a staff report for placement on a City Council agenda.

**16.31. Prohibited Political Contributions.** Contractor during the term of this Agreement shall not make a contribution reportable under Title 16, Chapter 6, Article 1, Arizona Revised Statutes to a candidate or candidate committee for any city elective office during the term of this Agreement. The City reserves the right to terminate the Agreement without penalty for any violation of this provision.

**16.32. A.R.S. Title 34 Provisions.**

**16.32.1.** The maximum dollar amount of an individual job order shall be Three Million Dollars (\$3,000,000) or such higher or lower amount prescribed by the Owner in an action notice pursuant to A.R.S. title 38, chapter 3, article 3.1 or a rule adopted by the Owner as the maximum amount of an individual job order. Requirements shall not be artificially divided or fragmented in order to constitute a job order that satisfies this requirement.

**16.32.2.** If the Job Order Contractor subcontracts or intends to subcontract part or all of the work under a job order and if this contract includes descriptions of standard individual tasks, standard unit prices for standard individual tasks and pricing of job orders based on the number of units of standard individual tasks in the job order, then:

**16.32.2.1.** The Job Order Contractor has a duty to deliver promptly to each subcontractor invited to bid a coefficient to the Job Order Contractor to do all or part of the work under one or more job orders:

**16.32.2.1.1.** A copy of the descriptions of all standard individual tasks on which the subcontractor is invited to bid.

**16.32.2.1.2.** A copy of the standard unit prices for the individual tasks on which the subcontractor is invited to bid.

**16.32.2.2.** If not previously delivered to the subcontractor, the Job Order Contractor has a duty to deliver promptly the following to each subcontractor invited to or that has agreed to do any of the work included in any job order:

**16.32.2.2.1.** A copy of the description of each standard individual task that is included in the job order and that the subcontractor is invited to perform.

**16.32.2.2.2.** The number of units of each standard individual task that is included in the job order and that the subcontractor is invited to perform.

**16.32.2.2.3.** The standard unit price for each standard individual task that is included in the job order and that the subcontractor is invited to perform.

**16.32.3.** The Owner will include the full street or physical address of each separate location at which the construction will be performed for each individual Job Order. The Job Order Contractor (and on behalf of each subcontractor at any level) hereby agrees to include in each of its subcontracts the same address information. The Job Order Contractor and each subcontractor at any level shall include in each subcontract the full street or physical address of each separate location at which construction work will be performed.

**16.33. Funding.** Any contract entered into by the Owner of Peoria is subject to funding availability. Fiscal years for the Owner of Peoria are July 1 to June 30. The Owner Council approves all budget requests. If a specific funding request is not approved, the contract shall be terminated.

**16.34. Federal Funding.** It is the responsibility of the Contractor to determine on any job order project if federal wage rates apply. It is also the responsibility of the Contractor to incorporate any necessary amounts in the bid to accommodate for required federal record keeping and necessary pay structures. The Contractor should contact the City of Peoria regarding any applicable Davis Bacon wage rates.

**16.35. Standard Federal Provisions.** This section applies to Job Orders funded with federal monies. All recipients and subrecipients of federal funding are required to comply with all federal and state laws, rules, and regulations and therefore must ensure that their contractors also comply with all federal and state laws, rules, and regulations conditions. The following provisions are incorporated into the contract for compliance with any federal funding that might be awarded pertaining to a specific Job Order.

**16.35.1. Compliance with Civil Rights Act of 1964.** During the performance of this contract, the contractor agrees to comply with the following: (i) Title VI of the Civil Rights Act of 1964 (Pub. L. 88-352, 42 U.S.C. Sec. 2000d), (ii) the Rehabilitation Act of 1973 (Pub. L. 93-1123, 87 Stat. 355, 29 U.S.C. Sec. 794), (iii) the Age Discrimination Act of 1975 (Pub. L. 94-135 Sec. 303, 89 Stat. 713, 728, 42 U.S.C. Sec. 6102), (iv) Section 13 of the Federal Water Pollution Control Act (Pub. L. 92-500, 33 U.S.C. Sec. 1251), and subsequent regulations, ensures access to facilities or programs regardless of race, color, national origin, sex, age or handicap.

**16.35.2. Termination for convenience (43 CFR § 12.84).** Except as provided in §12.83 awards may be terminated in whole or in part only as follows: (a) By the awarding agency with the consent of the grantee or subgrantee in which case the two parties shall agree upon the termination conditions, including the effective date and in the case of partial termination, the portion to be terminated, or (b) By the grantee or subgrantee upon written notification to the awarding agency, setting forth the reasons for such termination, the effective date, and in the case of partial termination, the portion to be terminated. However, if, in the case of a partial termination, the awarding agency determines that the remaining portion of the award will not accomplish the purposes for which the award was made, the awarding agency may terminate the award in its entirety under either §12.83 or paragraph (a) of this section.

**16.35.3. Equal Employment Opportunity (41 CFR § 60-1.4).** 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, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause. (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin. (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. (4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor. (5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders. (6) In the event of the contractor's non-compliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order

11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law. (7) the contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

**16.35.4. Compliance with Copeland Act Requirements.** The Contractor shall comply with the Copeland "Anti-Kickback" Act (18 U.S.C. 874), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.

**16.35.5. Use of American Iron, Steel, and Manufactured Goods.** The Contractor hereby represents and warrants to and for the benefit of the City (Purchaser) and the State that (a) the Contractor has reviewed and understands the Buy American Requirements, (b) all of the iron, steel, and manufactured goods used in the project will be and/or have been produced in the United States in a manner that complies with the Buy American Requirements, unless a waiver of the requirements is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the Buy American Requirements, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this contract, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense or cost (including without limitation attorney's fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this contract necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

**16.35.6. Compliance with Davis-Bacon Act.** Contractor shall comply with the Davis Bacon Act (40 U.S.C. §276a-276a-7) as Supplemented by Department of Labor regulations (29 CFR Part 5): All laborers and mechanics employed by contractors and subcontractors on projects funded directly by or assisted in whole or in part by and the through the Federal Government shall be paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by the United States Secretary of Labor in accordance with subchapter IV of chapter 31 of Title 40, United States Code. In addition, all covered contracts shall include the standard contract clauses regarding prevailing wages and benefits included in the United States Department of Labor regulations found at 29 Code of Federal Regulations ("CFR") § 5.5, which are incorporated by reference in this contract. The contractor shall comply with the requirements of 29 CFR Part 3, which are also incorporated by reference in this Contract. The contractor or subcontractors shall insert in any subcontracts the clauses contained in 29 CFR § 5.5(a) (1) through (10) and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR § 5.5. A breach of the contract clauses in 29 CFR § 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR § 5.12. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract. Disputes

arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the United States Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the City, the State of Arizona ("State"), the United States Department of Labor, or their employees or their representatives. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR § 5.12(a)(1). No part of this contract shall be subcontracted to any person or firm ineligible for award of a government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR § 5.12(a)(1).

**16.35.7. Contract Work Hours and Safety Standards Act - Overtime Compensation.** (a) *Overtime requirements.* No Contractor or subcontractor employing laborers or mechanics (see Federal Acquisition Regulation 22.300) shall require or permit them to work over 40 hours in any workweek unless they are paid at least 1 and 1/2 times the basic rate of pay for each hour worked over 40 hours. b) *Violation; liability for unpaid wages; liquidated damages.* The responsible Contractor and subcontractor are liable for unpaid wages if they violate the terms in paragraph (a) of this clause. In addition, the Contractor and subcontractor are liable for liquidated damages payable to the Government. The Contracting Officer will assess liquidated damages at the rate of \$10 per affected employee for each calendar day on which the employer required or permitted the employee to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the Contract Work Hours and Safety Standards Act. (c) *Withholding for unpaid wages and liquidated damages.* The Contracting Officer will withhold from payments due under the contract sufficient funds required to satisfy any Contractor or subcontractor liabilities for unpaid wages and liquidated damages. If amounts withheld under the contract are insufficient to satisfy Contractor or subcontractor liabilities, the Contracting Officer will withhold payments from other Federal or Federally assisted contracts held by the same Contractor that are subject to the Contract Work Hours and Safety Standards Act. (d) *Payrolls and basic records.* (1) The Contractor and its subcontractors shall maintain payrolls and basic payroll records for all laborers and mechanics working on the contract during the contract and shall make them available to the Government until 3 years after contract completion. The records shall contain the name and address of each employee, social security number, labor classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records need not duplicate those required for construction work by Department of Labor regulations at 29 CFR 5.5(a)(3) implementing the Davis-Bacon Act. (2) The Contractor and its subcontractors shall allow authorized representatives of the Contracting Officer or the Department of Labor to inspect, copy, or transcribe records maintained under paragraph (d)(1) of this clause. The Contractor or subcontractor also shall allow authorized representatives of the Contracting Officer or Department of Labor to interview employees in the workplace during working hours. (e) *Subcontracts.* The Contractor shall insert the provisions set forth in paragraphs (a) through (d) of this clause in subcontracts may require or involve the employment of laborers and mechanics and require subcontractors to include these provisions in any such lower-tier subcontracts. The Contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the provisions set forth in paragraphs (a) through (d) of this clause.

**16.35.8. Patent Rights (43 CFR Part 12).** Contractor shall comply with federal requirements (CFR 43, Part 12, Subpart C—Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments and regulations pertaining to patent rights with respect to any discovery or invention which arises or is developed in the course of or under such contract.

**16.35.9. Copyrights (43 CFR § 12.74).** The Federal awarding agency reserves a royalty-free, nonexclusive, and irrevocable license to reproduce, publish or otherwise use, and to authorize others to use, for Federal Government purposes: (a) The copyright in any work developed under a grant, subgrant, or contract under a grant or subgrant; and (b) Any rights of copyright to which a grantee, subgrantee or a contractor purchases ownership with grant support.

**16.35.10. Audit Practices (43 CFR Part 12).** The contractor agrees access by the grantee, the subgrantee, the Federal grantor agency, the Comptroller General of the United States, or any of their duly authorized representatives to any books, documents, papers, and records of the contractor which are directly pertinent to that specific contract for the purpose of making audit, examination, excerpts, and transcriptions.

**16.35.11. Retention of Records (43 CFR Part 12).** The contractor agrees to retain all required records for three years after grantees or sub-grantees make final payments and all other pending matters are closed.

**16.35.12. Clean Air Act, Clean Water Act, and EPA Regulations.** Contractor shall comply with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15).

**16.35.13. Energy Policy and Conservation Act.** Contractor shall comply with all mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

**16.35.14. Central Contractor Registration Required.** (a) The Contractor is required to properly register and maintain an updated registration with the Central Contractor Registration (CCR), which is the primary Federal Government repository for contractor information required for the conduct of business with the Federal Government. The requirements for such registration are set forth in the Federal Acquisition Regulation (FAR), including the establishment of a "Data Universal Numbering System (DUNS) number," the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities. (b) "Registered in the CCR database" means that - (1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database; and (2) The Federal Government has validated all mandatory data fields, to include validation of the Taxpayer Identification Number (TIN) with the Internal Revenue Service (IRS), and has marked the record "Active". The Contractor will be required to provide consent for TIN validation to the Government as a part of the CCR registration process. (c) The DUNS number will be used by the City to verify that the Contractor is registered in the CCR database. (d) If the Contractor does not become registered in the CCR database in the time prescribed by the City, the City will proceed to award the Contract to the next otherwise successful registered responding entity. (e) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the City's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this Contract and is not a substitute for a properly executed contractual document.

**16.35.15. Reporting Requirements for Projects funded under the ARRA.** (a) This Contract requires the Contractor to provide products and/or services that are funded under the ARRA. Section 1512(c) of the ARRA requires each contractor to report on its use of Recovery Act funds under this Contract. These reports will be made available to the public. (b) Reports from contractors for all work funded, in whole or in part, by the ARRA, and for which an invoice is submitted prior to June 30, 2009, are due no later than July 10, 2009. Thereafter, reports shall be submitted no later than the 10th day after the end of each calendar quarter. (c) The Contractor shall report the following information, using the online reporting tool available at [www.FederalReporting.gov](http://www.FederalReporting.gov): (1) The City of Peoria contract and order number, as applicable. (2) The amount of ARRA funds invoiced by the Contractor for the reporting period. (3) A list of all significant services performed or supplies delivered, including construction, for which the Contractor invoiced in the calendar quarter. (4) Program or project title, if any. (5) A description of the overall purpose and expected outcomes or results of the Contract, including significant deliverables and, if appropriate, associated units of measure. (6) An assessment of the Contractor's progress towards the

completion of the overall purpose and expected outcomes or results of the Contract (*i.e.*, not started, less than 50 percent completed, completed 50 percent or more, or fully completed). This covers the Contract (or portion thereof) funded by the ARRA. (7) A narrative description of the employment impact of work funded by the ARRA. This narrative should be cumulative for each calendar quarter and only address the impact on the Contractor's workforce. At a minimum, the Contractor shall provide - (i) A brief description of the types of jobs created and jobs retained in the United States and outlying areas (see definition in Federal Acquisition Regulation (FAR) 2.101). This description may rely on job titles, broader labor categories, or the Contractor's existing practice for describing jobs as long as the terms used are widely understood and describe the general nature of the work; and (ii) An estimate of the number of jobs created and jobs retained by the prime contractor, in the United States and outlying areas. A job cannot be reported as both created and retained. (8) Names and total compensation of each of the five most highly compensated officers of the Contractor for the calendar year in which the Contract is awarded if - (i) In the Contractor's preceding fiscal year, the Contractor received - (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (9) For subcontracts valued at less than \$25,000 or any subcontracts awarded to an individual, or subcontracts awarded to a subcontractor that in the previous tax year had gross income under \$300,000, the Contractor shall only report the aggregate number of such first tier subcontracts awarded in the quarter and their aggregate total dollar amount. (10) For any first-tier subcontract funded in whole or in part under the ARRA, that is over \$25,000 and not subject to reporting under paragraph 9, the Contractor shall require the subcontractor to provide the information described in (i), (ix), (x), and (xi) below to the Contractor for the purposes of the quarterly report. The Contractor shall advise the subcontractor that the information will be made available to the public as required by Section 1512 of the ARRA. The Contractor shall provide detailed information on these first-tier subcontracts as follows: (i) Unique identifier (DUNS Number) for the subcontractor receiving the award and for the subcontractor's parent company, if the subcontractor has a parent company. (ii) Name of the subcontractor. (iii) Amount of the subcontract award. (iv) Date of the subcontract award. (v) The applicable North American Industry Classification System (NAICS) code. (vi) Funding agency. (vii) A description of the products or services (including construction) being provided under the subcontract, including the overall purpose and expected outcomes or results of the subcontract. (viii) Subcontract number (the contract number assigned by the prime contractor). (ix) Subcontractor's physical address including street address, city, state, and country. Also include the nine-digit zip code and congressional district if applicable. (x) Subcontract primary performance location including street address, city, state, and country. Also include the nine-digit zip code and congressional district if applicable. (xi) Names and total compensation of each of the subcontractor's five most highly compensated officers, for the calendar year in which the subcontract is awarded if - (A) In the subcontractor's preceding fiscal year, the subcontractor received - (1) 80 percent or more of its annual gross revenues in Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and (2) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and (B) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.

## **ATTACHMENTS**

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|---------------------|---|
| <b>Attachment A</b> | <b>JOC General Scope of Services</b>  |
| <b>Attachment B</b> | <b>SIQ &amp; Contractor's Response</b>  |
| <b>Attachment C</b> | <b>JOC Cost Proposal Forms (Pricing Matrix, Project Cost Sheet,<br/>Contractor's Labor Rates)</b> |
| <b>Attachment D</b> | <b>Contractor's Contacts (Contact List &amp; Authorized Signature Form)</b>                       |

**ATTACHMENT A**  
**JOC General Scope of Services**

**1.0 GENERAL INFORMATION**

This is a fixed price, indefinite quantity type Contract for the performance of a broad range of construction work on an as-needed basis as may be required by Owner. The specific work requirements will be identified in Job Orders to be issued by Owner.

**2.0 DOCUMENTS**

2.1 The currently applicable pricing structure contains pricing information for the Work to be accomplished in the pricing matrix specified. The Pricing matrix can only be updated at time of yearly contract renewal by mutually agreeable change order. Previously issued Job Orders and changes will not be retroactively repriced although any changes priced after receipt of an update will be priced by the updated version of the new pricing matrix.

2.2 The construction specifications in effect at Contract signing, and provided to the Job Order Contractor, shall be the specifications under this Contract.

**3.0 WORK AUTHORIZATION**

Any Work required under this Contract shall be authorized by issuance of formal, written Job Orders, as follows:

3.1 As the need exists (as determined by Owner) for performance under the terms of this Contract, Owner will notify Job Order Contractor of an existing requirement.

3.2 Upon the receipt of this notification, Job Order Contractor shall respond within two (2) working days, or as otherwise agreed, by:

3.2.1 Visiting the proposed site in the company of Owner, or;

3.2.2 Establishing contact with Owner to further define the scope of the requirement.

3.3 After mutual agreement on the scope of the individual requirement, Job Order Contractor shall then prepare a proposal for accomplishment of the task unless Job Order Contractor, in its sole discretion, elects not to undertake the Work. If the Work is declined, Job Order Contractor will so notify Owner in a timely manner.

3.4 The price matrix shall serve as the basis for establishing the value of the Work to be performed.

3.5 Job Order Contractor's proposal shall be submitted within ten (10) working days unless otherwise agreed.

3.6 Upon receipt of Job Order Contractor's proposal, Owner will review the proposal for completeness and will reach agreement with Job Order Contractor on pricing, schedule, and all other terms, prior to issuance of a Job Order.

3.7 In the event Owner does not issue a Job Order after receipt of Job Order Contractor's proposal, Owner is not obligated to reimburse Job Order Contractor for any costs incurred in the preparation of the proposal, except as noted in § 4.8.

#### **4.0 SCHEDULING OF WORK**

**4.1** For each Job Order, Owner will issue a Notice to Proceed. The first day of performance under a Job Order shall be the effective date specified in the Notice to Proceed. Any preliminary work started or material ordered or purchased before receipt of the Notice to Proceed shall be at the risk and expense of Job Order Contractor. Job Order Contractor shall diligently prosecute the Work to completion within the time set forth in the Job Order. The period of performance includes allowance for mobilization, holidays, weekend days, normal inclement weather, and cleanup. Therefore, claims for delay based on these elements will not be allowed. When Job Order Contractor considers the Work complete and ready for its intended use, Job Order Contractor shall request Owner to inspect the Work to determine the status of completion. When Owner determines the Work to be Punch List Prepared as defined in 1.7, Owner will provide Contractor with a list of items to be completed or corrected prior to final payment for the Job Order. Job Order Contractor shall proceed promptly to complete and correct items on the list.

**4.2** Job placement of materials and equipment shall be made with a minimum of interference to Owner operations and personnel.

**4.3** Furniture and portable office equipment in the immediate work area will be moved by Job Order Contractor and replaced to its original location. If the furniture and portable office equipment cannot be replaced to its original location, Owner will designate new locations. If furniture and portable office equipment (or other items) must be moved and/or stored outside the immediate area, Owner will compensate Job Order Contractor for any such transportation and storage costs incurred.

**4.4** Job Order Contractor shall take all precautions to ensure that no damage will result from its operations to private or public property. All damages shall be repaired or replaced by Job Order Contractor at no cost to Owner.

**4.5** Job Order Contractor shall be responsible for providing all necessary traffic control, such as street blockages, traffic cones, flagmen, etc., as required for each Job Order. Proposed traffic control methods shall be submitted to Owner for approval.

#### **5.0 QUALITY ASSURANCE/QUALITY CONTROL PROGRAM**

Job Order Contractor shall submit, for Owner approval, a Quality Assurance/Quality Control Plan within fifteen (15) calendar days after issuance of the initial Job Order. This plan should address all aspects of quality control including responsibility for surveillance of work, documentation, trend analysis, corrective action and interface with Owner's inspectors.

#### **6.0 DESIGN**

Job Order Contractor's duties under the Contract include the preparation of shop drawings or sketches necessary to permit orderly construction of Owner's design plans. Job Order Contractor agrees to provide detailed design drawings and plans if requested by Owner, with reimbursement included as part of the Job Order Contractor's proposal.

#### **7.0 TEMPORARY SANITATION FACILITIES**

The Contractor shall provide ample toilet facilities with proper enclosures for the use of workmen employed on the work site. Toilet facilities shall be installed and maintained in conformity with all applicable state and local laws, codes, regulations and ordinances. They shall be properly lit and ventilated, and kept clean at all times.

Adequate and satisfactory drinking water shall be provided at all times and under no circumstances and under no conditions will the use of common cups be permitted. The Contractor must supply sanitary drinking cups for the benefit of all employees.

#### **7.1 DUST CONTROL AND WATER**

The dust control measures shall be in accordance with the requirements of the "*Maricopa County Health Department Air Pollution Control Regulations*," namely Regulation II, Rule 21, subparagraph C and Regulation III, Rule 310 shall be rigidly observed and enforced. Water or other approved dust palliative in sufficient quantities shall be applied during all phases of construction involving open earthwork to prevent unnecessary discharge of dust and dirt into the air. The Contractor shall be responsible for compliance with these regulations. A Notice to Proceed will not be issued until the City of Peoria has received a copy of the Contractor's Dust Control Permit and Plan.

The Contractor shall be required to obtain the necessary permit and all pertinent information from the Maricopa County Air Pollution Control Bureau, 2406 S. 24th Street #E-214, Phoenix, Arizona, (602) 506-6700 extension 372.

The Contractor shall keep suitable equipment on hand at the job site for maintaining dust control on the project streets, and shall employ sufficient labor, materials and equipment for that purpose at all times during the project to the satisfaction of the City Engineer.

Watering shall conform to the provisions of Section 225 of the MAG Standard Specifications. The cost of watering will be included in the price bid for the construction operation to which such watering is incidental or appurtenant.

Installation and removal of fire hydrant meters should be scheduled at least forty-eight (48) hours in advance through the City of Peoria Utilities Division at (623) 773-7160. A \$1,000 deposit is required for each meter. An additional \$28.00 service fee is also required. The cost of the water is at the prevailing rate.

#### **7.2 Electricity:**

Except for remote locations or unless otherwise specified in a Job Order, Owner shall furnish to Job Order Contractor from existing Owner facilities and without cost to Job Order Contractor, electricity necessary for the performance of work under this Contract. It is the responsibility of Job Order Contractor to determine the extent to which existing Owner electrical facilities are adequate for the needs of this Contract.

Upon completion of this Contract the removal of all taps, connections and accessories will be accomplished by and at the expense of Job Order Contractor, and costs included in the Job Order Proposal, so as to leave the electrical power source and facility in its original condition. Such removal shall also be subject to the approval of Owner.

#### **8.0 WORK BY OWNER**

Owner reserves the right to undertake or award Contracts for the performance of the same or similar type work contemplated herein, and to do so will not breach or otherwise violate the Contract.

**ATTACHMENT B**

**SIQ & Contractor's Response**

**(See Attached)**



**STATEMENT OF INTEREST AND  
QUALIFICATIONS**

Solicitation Number: P13-0042

**Materials Management  
Procurement**  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, Arizona 85345-8580  
Phone: (623) 773-7115  
Fax: (623) 773-7118

**REQUEST FOR  
STATEMENT OF INTEREST & QUALIFICATIONS**

**JOB ORDER CONTRACTING**  
for

**WATER and WASTEWATER FACILITIES PROJECTS**

**P13-0042**

**Due Date: February 6, 2013, 5:00 PM Arizona Time**

**City of Peoria  
Materials Management Division  
Contact: Christine Finney  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, Arizona 85345  
(623) 773-7115**



## STATEMENT OF INTEREST AND QUALIFICATIONS

Solicitation Number: P13-0042

Materials Management  
Procurement  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
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Phone: (623) 773-7115  
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### JOB ORDER CONTRACTING For Water & Wastewater Facilities Projects

#### **SECTION 1 - INTRODUCTION**

##### **1.1 Introduction**

The City of Peoria Arizona is seeking experienced contractors to provide services as described below for various projects utilizing Job Order Contracting (JOC) project delivery. Job Order Contracting may include design services, pre-construction services, construction work, maintenance and as-built documents. The contract period will be for an initial term of one (1) year with no more than four (4) additional one-year extensions.

During the term of the contract, work shall be conducted as a series of individual job orders. Projects determined by the City to be appropriate for this Job Order Contract, the City will request that the Contractor prepare a scope of work, cost proposal and project schedule. If acceptable, the City will issue an Individual Job Order Agreement and direct the Contractor to proceed with the work. Although the City anticipates that awarded Contractors will be issued work, the Contractor is neither guaranteed a minimum amount of work nor any jobs at all. The City reserves the right and will issue job orders based on ability of the Contractor to meet the City's work schedule and the availability of trades and expertise in relation to each project.

##### **1.2 Cooperative Purchasing**

Any contract resulting from this solicitation shall be for the use of the City of Peoria. In addition, specific eligible political subdivisions and nonprofit educational or public health institutions may also participate at their discretion. In order to participate in any resultant contract, a political subdivision or nonprofit educational or public health institution must have been invited to participate in this specific solicitation and the contractor must be in agreement with the cooperative transaction. In addition to cooperative purchasing, any eligible agency may elect to participate (piggyback) on any resultant contract; the specific eligible political subdivision, nonprofit educational or public health institution and the contractor must be in agreement.

Any orders placed to the successful contractor will be placed by the specific agencies participating in this purchase. Payment for purchases made under this agreement will be the sole responsibility of each participating agency. The City shall not be responsible for any disputes arising out of transactions made by others.

##### **1.3 Project Budget**

The City of Peoria Capital Improvement Program identifies funding for projects in fiscal year 2013 and shows planned projects for the next ten years. A copy of the City's ten year CIP can be viewed at <http://www.peoriaaz.gov/NewSecondary.aspx?id=54959>. The approved 2013 budget is available to fund various projects utilizing the awarded JOC contract. Estimated value (combination of all projects) is between \$5,000,000 and \$6,000,000 in the first whole fiscal year (2014). Projects may extend into the next fiscal year and beyond but in no instance will any one project under this JOC exceed \$3,000,000.



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### 1.4 Project Schedule

The City of Peoria has elected to use the JOC delivery method for these projects as outlined under A.R.S. Title 34. Cost effective construction in the shortest possible time frame and within the City's tolerance of financial risk will be the guiding principles behind the various water and wastewater facilities projects.

## SECTION 2 - PROJECT DESCRIPTION & SCOPE OF WORK

### 2.1 Description

This Job Order Contract is issued to assist the City of Peoria with general construction services, together with architectural and engineering services as necessary, as they pertain to utility water and wastewater facilities construction projects. Interested contractors will have the ability to show related experience and a proven track record in projects of the same nature and magnitude. The selected contractors will be expected to deliver turn key projects, including all permitting and compliance with regulatory requirements.

For any project determined by the City to be appropriate for this Job Order Contract, the City will request that the contractor prepare a scope of work, cost proposal and project schedule. If acceptable, the City will issue an individual Job Order. Although the City anticipates that JOC Contractors will be issued work, the Contractor is neither guaranteed a minimum amount of work nor any jobs at all. The City reserves the right and will issue job orders based on ability of the contractor to meet the City's work schedule and the availability of trades and expertise in relation to each project.

### 2.2 Scope of Work

The City of Peoria owns and maintains a network of water, reclaimed water, and wastewater facilities. Currently the City of Peoria owns two (2) water treatment plants, three (3) water reclamation facilities, and approximately fifty (50) off-site facilities that include wells, recharge wells, reservoirs, booster stations, pressure reducing stations, and lift stations.

The successful Job Order Contractor, under the direction of the City of Peoria will be responsible for all aspects of construction and all phases of the project. The Job Order Contractor shall be responsible for professional quality, technical accuracy and coordination of all design, drawings, specifications, and all other construction services provided under the Job Order Contract.

Interested contractors must have experience in the following areas:

Water Treatment & Water Production Facilities - Design and construction of new facilities or rehabilitation of existing water treatment plants, booster stations, reservoirs, and any other water related facilities. Scope for these jobs will include any or all of the following: earthwork and landscaping, structural, electrical, mechanical, instrumentation and control and SCADA, and any other functions required.

Water Reclamation & other Wastewater Facilities - Design and construction of new facilities or rehabilitation of existing water reclamation facilities, lift stations, and any other wastewater and reclaimed water related facilities. Scope for these jobs will include any or all of the following:



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earthwork and landscaping, structural, electrical, mechanical, instrumentation and control and SCADA, and any other functions required.

**Well Sites** - Design and construction of wells, and rehabilitation or repair of well sites. Scope for these jobs will include any or all of the following: earthwork and landscaping, well drilling and equipping including structural, electrical, mechanical, instrumentation and control and SCADA, and any other functions required.

**Additional Activities** - The following work activities may be included in individual projects. The successful Contractors shall have experience, knowledge, and ability to accomplish these tasks. Not all activities will be included in all projects.

- Design services or post design services - Design services or post design services may be required for some of the projects. The scope of work for design or post design services, when applicable, will be defined by the City and included in the job order. The Job Order Contractor shall use Arizona registered professional engineering firms to prepare and seal construction documents. Any as-builts required to be completed as part of the post design services shall be in accordance with Chapter 7 of the City of Peoria Infrastructure Design Guidelines.
- Permitting - Obtain all necessary permits required to complete the project, including but not limited to; Engineering Off-site, Building Safety, haul route, stockpile, SWPPP, dust control, traffic control plans, MCESD approval to construct, approval of construction, etc.
- Maintaining traffic control when required according to the approved traffic control plans.
- Placing asphalt pavements including full depth sections, overlays, patches and repairs to restore areas damaged by construction.
- Placing concrete pavements including curb and gutter, driveways, sidewalks, to restore areas damaged by construction.
- Restoration of landscaping to restore areas damaged by construction.
- Utility Locating (potholing) underground utilities and obstructions.
- Provide pipeline and equipment testing as required.
- Other related work or ancillary trades including but not limited to public involvement, utility relocation, road repair, electrical, paving and concrete/block walls.

The existing operations and functions shall be maintained during construction. It is anticipated that the construction activities will be coordinated and phased in such a manner that will not compromise the ongoing operations. In addition, security of the site and property is of paramount concern and a security and access plan will be required prior to the start of any construction.



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### 2.3 Sample Project

The following is a sample of a typical project that may be done under this Job Order Contract. This sample project is provided for contractors to use in completing their Project Assessment Plan so the City can see how your firm would approach a project if awarded the contract. The City is currently in the design phase and anticipates retaining the services of one of the awarded Job Order Contractors resulting from this SIQ.

The example project identified by the City is the construction of a 100,000 gallon underground concrete reservoir and booster pump station at the Butler Water Reclamation Facility (see Appendix 2). This new infrastructure will provide increased quantities of reclaimed water for all potential future customers identified within the service area boundaries of the Butler Reclaimed Water System.

The Contractor will be required to provide a project scope plan showing the process to be followed through the design/preconstruction, permitting, construction and close-out phases of the project.

### **SECTION 3 – EVALUATION CRITERIA**

#### 3.1 Evaluation and Job Order Contractor Selection

The Job Order Contractor will be selected through a qualifications based selection process - do not include pricing information with the Statement of Qualifications. A short list of qualified and available firms will be developed and contracts will be awarded based on the City's needs. The City of Peoria intends to select multiple Job Order Contractors for the award of this Job Order Contract.

The City of Peoria is currently looking to establish a Job Order Contract (JOC) for indefinite quantity and indefinite delivery for various utility related construction projects. Interested contractors will have the ability to show related experience and a proven track record in projects of the same nature and magnitude. The selected Contractors will be expected to deliver turn key projects, including all permitting and regulatory requirements.

For any project determined by the City to be appropriate for this Job Order Contract, the City will issue an Individual Job Order, at which time the parties will execute a Project Agreement specifying the cost and completion schedule for that project. Although the City anticipates that Job Order Contractors will be issued work, the Contractor is neither guaranteed a minimum amount of work nor any jobs at all. The City reserves the right and will issue delivery orders based on ability of the Job Order Contractor to meet the City's work schedule and the availability of trades and expertise in relation to each project.

#### 3.2 Evaluation Process

The contractor(s) will be selected through a qualifications based selection process. The City expects to award the project to the best valued contractor(s) based on the requirements in this solicitation. The contractor selected for qualification will be the contractor whose qualification is responsive, responsible, and the most advantageous to City, as determined by City in its sole discretion. The City reserves the right to add, delete, or modify any part of this solicitation at City's sole discretion. The City will evaluate contractors based on the overall value of each qualification. Contractors interested



# STATEMENT OF INTEREST AND QUALIFICATIONS

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Solicitation Number: P13-0042

in providing services must submit a Statement of Qualifications (SOQ) that addresses the points as outlined herein.

### 3.3 Key Personnel

The City expects the interested firms to identify within their organizations, individual(s) assigned to provide the following functions throughout the life of the contract:

- JOC Account Management
- Preconstruction Services
- Estimating
- Construction Management
- Field Supervision

### 3.4 Criteria and Weights

The City will evaluate contractors based on the overall value of each qualification. Evaluation criteria will be weighted according to the following categories:

Category	Weight
Responsiveness	Pass/Fail
References	Pass/Fail
Project Assessment Plan:	
Scope Plan	25%
Risk Assessment / Value Added	25%
Project Schedule / Subcontractor Selection Plan	5%
Interview	45%

#### 3.4.1 Responsiveness (Pass/Fail)

Contractors must prepare qualifications that follow the format and sequence specified in this solicitation. This includes adherence to the format of any attachments. The following conditions/criteria must be met in order to be considered responsive:

- The Contractor will complete and provide all information in Attachment A (Proposal Form)
- The Contractor will complete and provide all information in Attachment B (Reference List)
- The Contractor will complete and provide all information in Attachment C (Project Assessment Plan)
- The Contractor will complete and provide all information in Attachment D (Project Schedule and Subcontractor Plan)

#### 3.4.2 References (Pass/Fail)

- The Contractor will submit 3 references as outlined in Attachment B.

#### 3.4.3 Project Assessment Plan (Weighted at 50%)

- The Contractor will submit a Project Assessment Plan as outlined in Attachment C.



## STATEMENT OF INTEREST AND QUALIFICATIONS

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- The PA Plan must be 4 pages or less (2-pages for Scope Plan (25%), and 2 pages maximum for risk assessment and value added (25%) items).
- The PA Plan shall NOT contain any names or information that can be used to identify the Contractor.
- The Contractor must use the template as provided in Attachment C. Contractors may not re-create or modify this attachment (no color, black ink only, no font changes, no pictures, no diagrams, etc).
- Any plan that does not follow these requirements, or contains names or information that can be used to identify who the contractor is, may be marked as unresponsive and eliminated from the evaluation process.

### 3.4.4 Project Schedule & Subcontractor Selection Plan (Weighted at 5%)

- Provide a 1 page Gantt style project duration schedule for the project that only conveys major milestones, including City approval processes, and final submittal to the City (Attachment D).
- Provide a detailed 1-page subcontractor selection plan that uses qualification and price in the selection criteria (Attachment D). The contractor should describe how they will pre-qualify and select their subcontractor as required per ARS 34-603.
- The Project Schedule and Subcontractor Selection Plan shall NOT contain any names or information that can be used to identify the Contractor.

### 3.4.5 Interviews (Weighted at 45%)

- The City will shortlist contractors based on the criteria in this section.
- The City may interview all of the critical team components proposed.
- The City may request to interview additional personnel.
- The City may interview individuals separately and/or as a group.
- The City may request a list of similar past projects from each team member.
- For this project, Contractors may bring up to two additional team members at their discretion to the interview. These additional team members will only be allowed in the interview during the 15-minute presentation and will not be interviewed or scored. The purpose of this is to allow Contractors to bring in up to two additional team members whom they feel are important to this projects success.
- *Important Note:* All proposed team members must be available for interview on the date specified in this solicitation. No substitutes or proxies will be allowed. Individuals who fail to attend the interview will not be given a score which may jeopardize the contractor's competitiveness.

## **SECTION 4 – SELECTION PROCESS**

### 4.1 Interview and Selection Process

Contractors will be prioritized and selected through a qualifications based selection process based on the criteria in Section 3. A selection committee will evaluate and score each Project Assessment Plan. The City will use a Linear Relationship Model (LRM) as outlined in Appendix 1 to assist the City in ranking the contractors.

A selection committee will evaluate and score each SOQ and interview the top 3 to 5 contractors



## STATEMENT OF INTEREST AND QUALIFICATIONS

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based on the scores from the Project Assessment Plan, Schedule and Subcontractor Selection Plan. After conducting the interviews, investigations of the contractors will be performed by the City.

For this project the Final List will consist of the top 3 scoring contractors (based on PA Plan scores, Interview scores, Pass/Fail Reference, and Pass/Fail Responsiveness).

### 4.2 Identification of Potential Best-Value

Scores from the interview will be used to determine the final ranking order of the shortlisted contractors.

The top selected contractor(s) on the final list will then enter into negotiations with the City to reach agreement on final contract form, content and fee structure.

If the City is satisfied with the potential best-value contractor(s), they will proceed to issue an award. If the City is not satisfied with the negotiations, the City may consider breaking off negotiations and selecting the next contractor on the final list for potential award.

## SECTION 5 – POST AWARD ACTIVITIES

### 5.1 Weekly Reporting System

Once a Notice to Proceed has been issued, the awarded Contractor will be required to submit weekly reports documenting risks on the project. The weekly reports are due every Friday, until the project is closed out or project has been accepted and final payment is received. For projects with a duration of less than 6 months, the weekly report will be at the discretion of the City's project manager.

### 5.2 Post Project Evaluation

For contracts that span over multiple years, the City will perform annual project evaluations prior to contract renewal. The City will evaluate the overall performance of the project team (including, but not limited to: overall quality, on-time completion, no cost change orders, compliance to budget, no complaints, ability to work with the City staff, and submission of accurate weekly reports). The final rating will be used towards future City of Peoria projects.

## SECTION 6 – CRITICAL DATES

### 6.1 Pre-Submittal Conference

A pre-submittal conference will be held on Tuesday, January 22<sup>nd</sup> at 10:00 a.m. Arizona Time. The meeting location is the City of Peoria, Development and Community Services Building, Point of View Conference Room, 9875 N. 85<sup>th</sup> Avenue, Peoria AZ, 85345.

Staff may not be available to respond to individual inquiries regarding the project scope outside of this pre-submittal conference. All interested parties are urged to attend this meeting.



# STATEMENT OF INTEREST AND QUALIFICATIONS

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## 6.2 Critical Dates:

The following are the critical dates for this project. Please be advised that these dates are subject to change as deemed necessary by the City.

January 22, 2013	Pre-Submittal Conference
February 6, 2013	Submittals Due
February 14, 2013	Notification of Interviews
February 26, 2013	Interviews (shortlisted contractors only)
February 28, 2013	Best-Value Contractor Notification

## SECTION 7 – SOQ SUBMITTAL FORMAT

### 7.1 Submittal Format

- The SOQ must be submitted to the contact listed in Section 7.2. The copies should be stapled (and not bound) to facilitate easy handling, photocopying, and reading by the evaluation committee.
  - No faxed or emailed SOQs will be considered.
  - The SOQ must be received by the date listed in Section 7.2
1. Attachment A: Proposal Form – One (1) original must be submitted.
  2. Attachment B: Reference Form – One (1) original must be submitted.
  3. Attachment C: Project Assessment Plan – Six (6) copies of the completed 2-page scope plan, 2-page project assessment and value added plan must be submitted.
  4. Attachment D: Project Schedule and Subcontractor Selection Plan – Six (6) copies of the 1 page project schedule and six (6) copies of the 1 page subcontractor selection plan must be submitted.

### 7.2 Submittal Due Date and Contact Information

- Proposal Responses must be received by 5:00 p.m. (AZ time) on February 6, 2013.
- Contact Information

Attention: Christine Finney, Buyer II  
 SOQ #: P13-0042 – JOC for Water and Wastewater Facilities Projects  
 City of Peoria Materials Management  
 9875 N. 85<sup>th</sup> Avenue, 2<sup>nd</sup> Floor  
 Peoria, Arizona 85345



## STATEMENT OF INTEREST AND QUALIFICATIONS

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### 7.3 Disqualification

Please be advised that failure to comply with the following criteria may be grounds for disqualification and will be strictly enforced:

- Receipt of SOQ at the proper location by the specified date and time
- The number of copies of the submittal requested
- Adherence to maximum page requirements
- Not submitting all required documentation
- Adherence to having no identifying information (except for Attachments A & B)

## **SECTION 8 – GENERAL INFORMATION**

### 8.1 Questions

- All questions regarding this SOQ must be submitted in writing by emailing:  
[Christine.Finney@PeoriaAZ.Gov](mailto:Christine.Finney@PeoriaAZ.Gov)
- Inquiries within 48 hours preceding the due date & time will not be addressed.

### 8.2 General Information

- **Instructions:** The City of Peoria shall not be held responsible for any oral instructions. Any changes to this SOQ shall be in the form of a published addendum.
- **Contact:** Contact with City of Peoria staff, elected or appointed officials, or selection committee members concerning this SOQ, at any time, in any venue, is strictly prohibited, except as described in Section 8.1 above, and may be grounds for disqualification.
- **Costs:** The City of Peoria will not be responsible for any costs incurred by any contractor submitting an SOQ or responding to this notice. The City reserves the right to waive any irregularities in any submittal and to reject all submittals and re-advertise or cancel the project in its entirety, at its sole discretion. The City reserves the right to request clarification or additional information.
- **Material:** All materials submitted in response to this solicitation become the property of the City, and may become a part of any resulting contract. Award or rejection of a proposal does not affect this right.
- **Compliance:** The selected contractor will be required to comply with the Legal Arizona Workers Act.
- **Federal Funds:** The selected contractor will be required to comply with all associated Federal Compliance Regulations for any federally funded projects that may be done under this JOC contract.



## STATEMENT OF INTEREST AND QUALIFICATIONS

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### 8.3 Protest Policy and Procedures

- The City of Peoria Protest Policy and Procedures are available online at <http://www.peoriaaz.gov/NewSecondary.aspx?id=53287>. The policy is contained within the City of Peoria Procurement Code, Chapter 2- Administration, Section 2-321. Procurement Code Protests; Informal and Formal.
- The specific protest procedures are contained in the Materials Management "Administrative Guidelines" and can be accessed at <http://www.peoriaaz.gov/NewSecondary.aspx?id=54937> under the "DOWNLOADS" box on the right side of the web page.

### 8.4 Attachments (All must be completed and returned to be considered responsive)

- Attachment A: Proposal Form  
Attachment B: Reference List  
Attachment C: Project Assessment Plan (Scope Plan & Risk/Value Added Plan)  
Attachment D: Project Schedule and Subcontractor Selection Plan

### 8.5 Appendices

- Appendix 1: Scoring and Ranking Submittals  
Appendix 2: Example Project

*The JOC Contract template (for review only) and all templates for Attachments A, B, C, and D can be accessed on the City's FTP website.*

#### *FTP Site Access Directions:*

*Using your Web Browser, enter the following address:*

*<ftp://cityftps.peoriaaz.gov>*

*You will be prompted for a User ID and Password.*

*User ID: [ftpsolicitation](#)*

*Password: [AEC91&tv](#)*

*(password is case sensitive)*

*You should then see the available file. The file name for this project is P13-0042 – JOC for Water and Wastewater Facilities Projects. You can copy or download to your computer or server. Download speed will depend on the internet connection speeds on both sides.*

*If you have trouble moving beyond the prompt for user id and password, it is likely your network or pc's firewall and/or anti-virus software is blocking access. Temporarily turning off your firewall and/or anti-virus software should allow you to continue with access.*



# STATEMENT OF INTEREST AND QUALIFICATIONS

Solicitation Number: P13-0042

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## ATTACHMENT A PROPOSAL FORM

One (1) original of this Proposal Form (Attachment A) must be completed and sent to the City of Peoria. Please staple Proposal Form (Attachment A) to the original Reference form (Attachment B), Project Assessment Plan (Attachment C) and Project Schedule and Subcontractor Selection Plan (Attachment D).

**Project Team:**

Name of Job Order Contractor (Contractor):	<u>MGC Contractors, Inc.</u>
Name of JOC Account Manager (Individual):	<u>Randy Gates</u>
Name of Preconstruction Manager (Individual):	<u>Greg Beetem</u>
Name of Estimator (Individual):	<u>Mike Panter</u>
Name of Construction Manager (Individual):	<u>Greg Beetem</u>
Name of Field Supervisor (Individual):	<u>Doug Hoopes</u>

**Bonding:**

Individual project bonding capacity:	<u>\$30,000,000</u>
Total bonding capacity:	<u>\$180,000,000</u>
Amount of bonded contracts currently in process:	<u>\$29,263,500</u>

The Project Assessment Plan, Project Schedule and Subcontractor Selection Plan must NOT contain any information that may identify the Contractor or critical team members.

MGC Contractors, Inc.

<u>Name of Company</u> Randy L. Gates - President		
<u>Printed Name and Title of Contractor Representative</u>		
<u>4110 E. Elwood Street</u>	<u>Phoenix, AZ</u>	<u>85040</u>
<u>Address</u>	<u>City, State</u>	<u>Zip Code</u>
<u>(602) 437-5000</u>	<u>(602) 470-4000</u>	<u>February 6, 2013</u>
<u>Phone</u>	<u>Fax</u>	<u>Date</u>
<u>Randy@mgccontractors.com</u>		
<u>Email</u>		
<u>General Engineering A – ROC069949, General Commercial B1 – ROC071441</u>		
<u>Contractor License Number</u>		



# SOLICITATION AMENDMENT

Solicitation No: P13-0042  
 Description: JOC for Water & Wastewater Treatment Facilities Projects  
 Amendment No: One (1)  
 Solicitation Due Date: February 6, 2013  
 Solicitation Due Time: 5:00 P.M. Arizona Time

**Materials Management Procurement**  
 9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
 Peoria, Arizona 85345-6560  
 Telephone: (623) 773-7115  
 Fax: (623) 773-7118

**Buyer: Christine Finney**

**A signed copy of this Amendment shall be received by the City of Peoria, Materials Management no later than the Solicitation Due Date and Time.**

### I. CLARIFICATIONS:

A. The Pre-Proposal Presentation, Slide Number 25, Entitled Scope of Work, is hereby REVISED for the purposes of clarification. Additional items have been added which more accurately coincide with the Scope of Work identified on Pages 3 & 4 of the SIQ. Revised Slide #25 attached.

### II. REVISIONS:

A. ATTACHMENT B, Reference List (Page 14) is hereby REVISED as follows:

The Section marked "Annual Value" is revised to read "Project Value". Revised Page 14 attached.

**Nothing Further**

*All other provisions of this Solicitation shall remain in their entirety.*

Vendor hereby acknowledges receipt and agreement with the amendment.

  
 \_\_\_\_\_  
 Signature Date  
 February 6, 2006

Randy L. Gates - President  
 \_\_\_\_\_  
 Typed Name and Title

MGC Contractors, Inc.  
 \_\_\_\_\_  
 Company Name

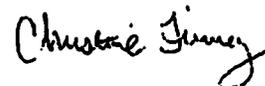
4110 E. Elwood Street  
 \_\_\_\_\_  
 Address

Phoenix Arizona 85040  
 \_\_\_\_\_  
 City State Zip

The above referenced Solicitation Amendment is hereby Executed

January 24, 2013

at Peoria, Arizona by:





## STATEMENT OF INTEREST AND QUALIFICATIONS

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### ATTACHMENT B REFERENCE LIST

#### HOW TO CREATE AND SUBMIT A REFERENCE LIST

1. The reference list must contain different projects. You cannot have multiple people evaluating the same job. However, one person may evaluate several different jobs.
2. The references for past projects must be of similar size and scope for the type of project being solicited.
3. The past projects must be completed past projects (no on-going or substantially complete projects).
4. The City will contact the references for additional information and clarification. If the reference cannot be contacted, there will be no credit given for that reference and your firm may be eliminated from the selection process.



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## REVISED ATTACHMENT B REFERENCE LIST

Please list a minimum of three (3) owner references from similar completed projects within the past three (3) years whom the Materials Management Division may contact:

1. Company: City of Peoria – Butler Road WRF Effluent Modifications  
Contact: Mr. Daniel Kiel, P.E. Phone: (623) 773-7982  
Address: 8401 W. Monroe Street, Peoria, AZ 85345  
Description of Work: Installation of first phase of reclaimed water distribution system which included a 23,000 gallon hydro tank, distribution piping, flow meter and chlorine feed.  
Project Value: \$446,229  
Date Completed: January 2011
  
2. Company: City of Phoenix – 4C-B1 Pump Station Upgrade (JOC)  
Contact: Mr. Gary Neden, P.E. Phone: (602) 495-7389  
Address: 200 W. Washington Street 8th Floor Phoenix, AZ 85033-1611  
Description of Work: Addition of 2 surge tanks and 3 booster pumps and a new motor control center within an operating facility  
Project Value: \$1,035,000  
Date Completed: June 2011
  
3. Company: City of Scottsdale – Water Campus Re-Use Water Pump Station (JOC)  
Contact: Mr. Chuck Hill Phone: (480) 312-7250  
Address: 9388 E. San Salvador Dr. Scottsdale, AZ 85258  
Description of Work: Remove and replace ancillary process water pump station while maintaining operations of the ancillary process water system in an active WRF.  
Project Value: \$446,196  
Date Completed: August 2011



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### ATTACHMENT C PROJECT ASSESSMENT PLAN GUIDE AND TEMPLATE

#### **Introduction**

The purpose of the Project Assessment (PA) Plan is to identify if a contractor can quickly identify the risks on a future project in terms of cost, time, and client expectations (of quality and performance). The PA Plan is used to:

1. Assist the client in prioritizing contractors based on their ability to understand the risks of a project.
2. Provide high performing contractors with an opportunity to differentiate themselves from their competitors.
3. Minimize the effort of experienced companies who are competing for the project.

Contractors should keep in mind that the PA Plan is only one step in the selection process. If all the PA Plans are the same, the PA Plan will have little impact in the selection (other factors, such as the interview will dictate the selection). The PA Plan will become part of the contract.

#### **PA Plan Format**

The PA Plan contains three major sections: Scope Plan, Potential Risks and Solutions and the Potential Value Added Options. The City's goal is to make the selection process as efficient as possible. Efficiency is to minimize the effort of all participants, especially those who will not be awarded the project. Therefore, the PA Plan should be brief and concise. The PA Plan shall NOT exceed 4 pages front side of page only (2 pages Scope Plan, 2 pages combined for Risks and Value Added Ideas).

In order to minimize any bias by the evaluation committee, the PA Plans shall NOT contain ANY names (such as contractor or manufacturer names, personnel names, project names, product names, or company letterhead). A PA Plan template is attached and must be downloaded from the FTP site. Contractors are NOT allowed to re-create the PA Plan Template (cannot alter font size, font type, add colors, add pictures, etc). Failure to comply with these requirements may result in disqualification. The PA Plans should not contain any marketing information, brochures, product names, technical information, or general items. All documents shall be on 8½" x 11", in black and white ink only, no graphics or pictures.

#### **Overview of the Scope Plan Section**

The purpose of the scope plan submittal is an opportunity for the contractor to differentiate themselves by giving a concise and well organized description of the project. The Scope Plan should be a succinct summary of the project and should be used to prove to the client that the contractor can visualize what they are going to do before they do it. The Plan should identify the major components, risks, and show contractors capability to predict, preplan, prioritize and minimize technical risks.

#### **Overview of the Risk Assessment Section**

The contractor should clearly address the following items:

1. List and prioritize major risk items that are unique to this project. This includes areas that may cause the project to not be completed on time, not finished within budget, generate any change orders, or may be a source of dissatisfaction for the owner. Risks can include things that you control and things that you do not control.
2. Explain how the contractor will avoid / minimize the risk. If the contractor has a unique method to minimize the risk, they should explain it in non-technical terms.

#### **Overview of the Value Added Item Section**

The contractor should identify and list any value added options that they feel may apply to this project. Do not include marketing material.



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## ATTACHMENT C PROJECT ASSESSMENT PLAN

### SECTION 1 – SCOPE PLAN

It is our understanding that the City of Peoria (City) wishes to engage multiple general contractors to provide water and wastewater preconstruction and construction services via the Job Order Contracting (JOC) project delivery method with no single project to exceed \$3,000,000. In response to the City's Request for Statement of Interest and Qualifications (SIQ), proposers are to provide a step-by-step plan for the implementation of the Butler Water Reclamation Facility Effluent Line Modifications Phase 2 (Project) to convey their interest, knowledge of the project and ability to complete the project.

The purpose of the project is to convey effluent for reuse to a new adjacent community park and other existing or new consumers on the City's reclaimed water distribution system.

The new project elements include:

- An underground concrete storage tank currently planned to have a 100,000 gallon capacity
- Vertical turbine pumps likely to be VFD driven
- A standalone disinfection and sampling system
- Valves, flow meter, piping and appurtenances
- Primary power feed, secondary electrical, instrumentation and control systems
- Tie-in to an operating WRF

We will use our proven JOC methodology (more than \$50M experience and average size of approximately \$800K) to produce this project for the City. We have dedicated JOC resources that include several smaller, more mobile crews than those typically utilized on large treatment plant projects. We have tailored these crews toward delivering JOC projects efficiently and economically, accounting for the fact that these projects are typically smaller and on a fast track to completion. If design services are required for subsequent projects we will consult with the City and subcontract the best qualified firm for the design.

To prepare our schedule for the sample project included in Attachment D we have:

- Carefully read the SIQ
- Studied the information provided on the sample project carefully
- Attended the pre-submittal conference and visited the site
- Incorporated our many years of Reclaimed Water Distribution System experience in the Valley

Our approach to this project will begin with the preconstruction phase in which we will provide design collaboration with the City and the Engineer of Record to provide thorough Risk Assessments and Value Added advice to the Team. Our advice could save the City upwards of \$78,000 on this project and will highlight such items as accounting for the addition of the system's largest user – the adjacent community park – and will pay particular attention to fine tuning the layouts of piping and pumping systems for optimum operability and cost effectiveness. Another focus of our VA – one that is often overlooked by contractors – is avoiding premature corrosion caused by dissimilar metals, thereby extending the life of the system.

We will utilize existing as-built drawings, Bluestake, potholing and private locating services if necessary to confirm locations of underground utilities that could impact the project. As a pre-installation and pre-fabrication quality control step, we will use our in-house CAD department to detail all site layouts to make sure equipment, structures and piping are ordered, fabricated and constructed properly to fit together seamlessly. Our level of detail goes as far as valve handle orientations and exact pipe support locations. Not only does this step help to avoid costly mistakes, but it allows City operations staff the opportunity to see their actual facility before it's built and apply their specialized



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knowledge by suggesting changes that may improve operability.

To ensure the project is delivered on time, we suggest beginning procurement of long lead items such as pumps and electrical switchgear during the preconstruction phase. This may be accomplished by the City prepurchasing these items or phasing the project to allow us to purchase the items during the preconstruction services phase. We will initiate the development of a primary power design through Arizona Public Service early on to ensure power is available in time to start up the project. During this phase we will also begin communicating with Maricopa County Environmental Services Department and the City's Building Safety and Engineering Departments to obtain an Approval to Construct and all other required construction permits as soon as the design is completed.

We will develop a cost model and initiate a design log at notice to proceed. The cost model will be adjusted as the design progresses to ensure the project remains under budget. We will use the design log to complement the cost model so the team can monitor scope versus budget before additions become a threat to the overall project. The cost model will be converted to a Guaranteed Maximum Price (GMP) at the end of the preconstruction phase. Using this proven cost monitoring process will ensure the City will not see change orders for any reason other than City initiated changes to the project scope.

The construction phase will begin after the City's acceptance of the aforementioned GMP. After receiving Notice to Proceed and securing all permits, we will begin onsite with installing safety measures for protection of personnel and existing facilities, then initiate our dust and noise control programs. We will commence construction by building the project from the ground up, starting with excavation and preparation of the reservoir sub-grade. Construction of the reservoir structure will come next, along with installation of pipelines and other items within the excavation, specifically including tie-in to the existing RWDS pipeline up to the first valve on the Phase 2 system. We will backfill the excavation and begin work on grade after leak testing the reservoir. The work at this level involves careful coordination between electrical, concrete and mechanical crews to complete the pumps, piping, disinfection and control systems. Each system will then be tested individually prior to commissioning of the overall facility.

Particular attention will be paid to the 30" tie-in to the Butler effluent line. A detailed MOPO (maintenance of plant operations) will be developed to insure no unplanned outages or unexpected consequences will be encountered. For this tie-in, we intend to pre-build a header including a valve so as little work as possible is required when the effluent line is actually shut down. Effluent flow patterns will be analyzed and an ideal time frame for shutting down the line will be determined. On a system like Butler's, low flows are usually experienced around 3:00 AM. Our crews are adept at working at night during important MOPOs such as this. Rest assured we will use our experience to handle high risk situations like this flawlessly.

To achieve Final Project Completion several steps must first be completed, including:

- *Commissioning* of the facility and establishing beneficial use
- *Completion* of initial and final *punchlists*
- *Final painting* – usually the final construction step after all wrenches are done turning for a clean finish
- *Final as-builts* – including red-lined contract drawings as well as CAD layout drawings we developed
- *Training* of operations staff on not only individual pieces of equipment but on the system as a whole
- *Close out* of all *permits*
- *Final invoicing*, lien releases and execution of affidavits required by the City
- *Inventory* and turnover of *spare parts*
- *Completion* and turnover of final *Operations and Maintenance Manuals*

We will deliver a high quality addition to the City's Reclaimed Water Distribution System and pledge to deliver the project for less than the Guaranteed Maximum Price—no change orders! We will be servicing the project long after completion by responding rapidly to any warranty claims that may arise. We will strive to exceed the City's expectations on this and any other JOC projects we are assigned.



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## ATTACHMENT C PROJECT ASSESSMENT PLAN

### SECTION 2 – IDENTIFICATION & MINIMIZATION OF RISK

<b>Risk 1:</b>	There is a tendency to design pumping systems that perform in a worst case scenario. These pumping systems can be hard to operate, have high capital costs and are not energy efficient.
<b>Solution:</b>	As the Job Order Contractor we will thoroughly review all designs for constructability and operability to develop the optimum pumping configuration for this system and include the existing hydro tank (completed in January 2011) into the capacity calculations. We will utilize our decades of experience designing and constructing pumping systems along with a recommendation to perform a hydraulic study of the entire reclaimed water system to ensure the project team provides the most efficient and reliable system, while still maintaining flexibility for the best <i>and</i> worst case scenarios.
<b>Risk 2:</b>	Some project schedules are negatively impacted because the primary power provider is not fully informed about the requirements of the project.
<b>Solution:</b>	We will actively pursue the provider to install the primary power before it is needed for startup and testing. Our schedule, included in this proposal, indicates that installation of primary power can become a critical schedule item if we do not proactively manage this activity (early and frequent communication) to ensure primary power is ready when we need it. Maintaining constant communication with the provider is the key to preventing unnecessary delays.
<b>Risk 3:</b>	An enhancement to the City – the Community Park – is being developed adjacent to this project. This requires sensitivity to the risks associated with disturbing citizens using the park, as well as minding the needs of the plants and wildlife that will be attractions within the park.
<b>Solution:</b>	Our construction sequencing plan will account for scheduled park events and our work schedule will be adjusted to avoid any construction activities that may impact those events. We will provide continual, extensive dust control on the project so that no dust is transmitted to the park. We will conduct an ambient noise study in the park adjacent to the facility, revise the study during reuse pumping system operations and install permanent noise attenuation systems to achieve pre-project noise levels. Close attention must be paid to disinfectant levels in the reclaimed water sent to the park. For instance, too high of chlorine levels can be hazardous to the grass and the fish in the lake.
<b>Risk 4:</b>	Tying this project into existing operating facilities presents the risk of overflows inside and outside the plant.
<b>Solution:</b>	Our company will develop highly detailed maintenance of plant operations (MOPO) plans that will consider and mitigate any risk associated with connecting the new system into the existing plant. Actual shutdown durations will be kept to a minimum and we will proactively manage all MOPO activities to their successful completion.
<b>Risk 5:</b>	There are several methods of disinfection that can be used on this project and each of them have benefits and risks. For example, chlorine gas is inexpensive but requires air quality sensors and alarms, whereas liquid chlorine can be more expensive than gas but has less biological risk.
<b>Solution:</b>	We will insist that the design team take all risks and benefits of the various methods into consideration and will install the disinfection system in accordance with all plans and regulations to mitigate personnel and material risks associated with this system. We will require the preconstruction team to study the life cycle costs of each disinfection system and weigh these costs against the risks to insure the optimum disinfection methods are employed.
<b>Risk 6:</b>	Dissimilar metals can cause premature corrosion – not only in the piping systems, but inside the pumps and other equipment.
<b>Solution:</b>	Our personnel have been trained on how to mitigate corrosion within the systems typically constructed on water and wastewater facilities. We will work with pump and other equipment suppliers to make sure all metals being used are electrochemically similar. When all else fails, cathodic protection may be installed. All too often we see galvanic corrosion (caused by dissimilar metals) appearing on municipal facilities just a few months after they've been constructed – this is avoidable.



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### ATTACHMENT C PROJECT ASSESSMENT PLAN

#### SECTION 2 - VALUE ADDED OPTIONS

<b>Item 1:</b>	Broker dirt hauling to save disposal costs – we have many active projects in the West Valley, some of which need clean fill material. We will save money on hauling costs by utilizing the excess excavated material from this project on nearby projects in need.			
<b>Impact:</b>	Cost (\$)	Save \$6,000	Schedule (Days)	No Change
<b>Item 2:</b>	Eliminate flow meter bypass piping and valves because majority of flow meter maintenance does not require the flow tube to be removed. The flow meters in sizes 16" and below are readily available so replacement can be completed quickly if necessary. Keep in mind, a broken magnetic flow meter is essentially a pipe spool and has no effect on the flow of water.			
<b>Impact:</b>	Cost (\$)	Save \$30,000	Schedule (Days)	Save 5 days
<b>Item 3:</b>	We have built several similar facilities by installing all equipment on top of the concrete tank eliminating the need for equipment slabs on grade and reducing the overall footprint of the facility. Space will be very important if this facility requires future expansion as useable space is limited in the areas immediately surrounding the hydro tank. The City can save money on this and future phases through more consolidation of the facility without sacrificing O&M access.			
<b>Impact:</b>	Cost (\$)	Save \$9,000	Schedule (Days)	Save 9 days
<b>Item 4:</b>	Relocate pressure relief to downstream of pump discharge line, thereby providing more space for future expansion and saving money on pipe required for this project.			
<b>Impact:</b>	Cost (\$)	Save \$3,000	Schedule (Days)	Save 2 days
<b>Item 5:</b>	Consider future expansion of reservoir in the Phase 2 structural design. <ul style="list-style-type: none"> <li>• East wall of Phase 2 reservoir may be reused as the West wall of a future reservoir expansion</li> <li>• Stub walls and slabs on new tank to minimize cost of future tank expansion</li> <li>• Rebar couplings and waterstop can be embedded in the Phase 2 reservoir to tie in future walls and slabs</li> </ul>			
<b>Impact:</b>	Cost (\$)	Adds \$3,000 to current project and saves \$30,000+ in future expansion costs.	Schedule (Days)	0 days on this project, saves weeks on future expansion



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### ATTACHMENT D

#### PROJECT DURATION SCHEDULE and SUBCONTRACTOR SELECTION PLAN

*See attached schedule*

#### Overview of the Subcontractor Selection Plan

We are committed to the belief that the specific knowledge possessed by high quality subcontractors and suppliers can have a positive impact on a JOC project. Our company competitively bids virtually all of the subcontractor and vendor items on JOC projects. Exceptions are noted below as "qualifications only"; and may include certain specialized subcontractors such as SCADA programming, or suppliers the City dictates based on requirements to match existing installed equipment.

We use a prequalification system that is fully compliant with the Arizona Revised Statute 34-603. Upon determination of the project's specific needs a detailed list of pre-qualified subcontractors for each discipline are asked to review the project. The Design Team reviews any feedback that could increase value to the City through risk assessment or value added options.

During this review it is determined which subcontractors will be selected based on qualifications and price—or qualifications only. Both of these selection criteria are often required for a single JOC. Our Subcontractor Selection Plan fully embraces these requirements, although as stated earlier, competitive bidding by qualified firms is our preference.

Key elements in developing the qualifications and price selection criteria for all Subcontractors and suppliers are:

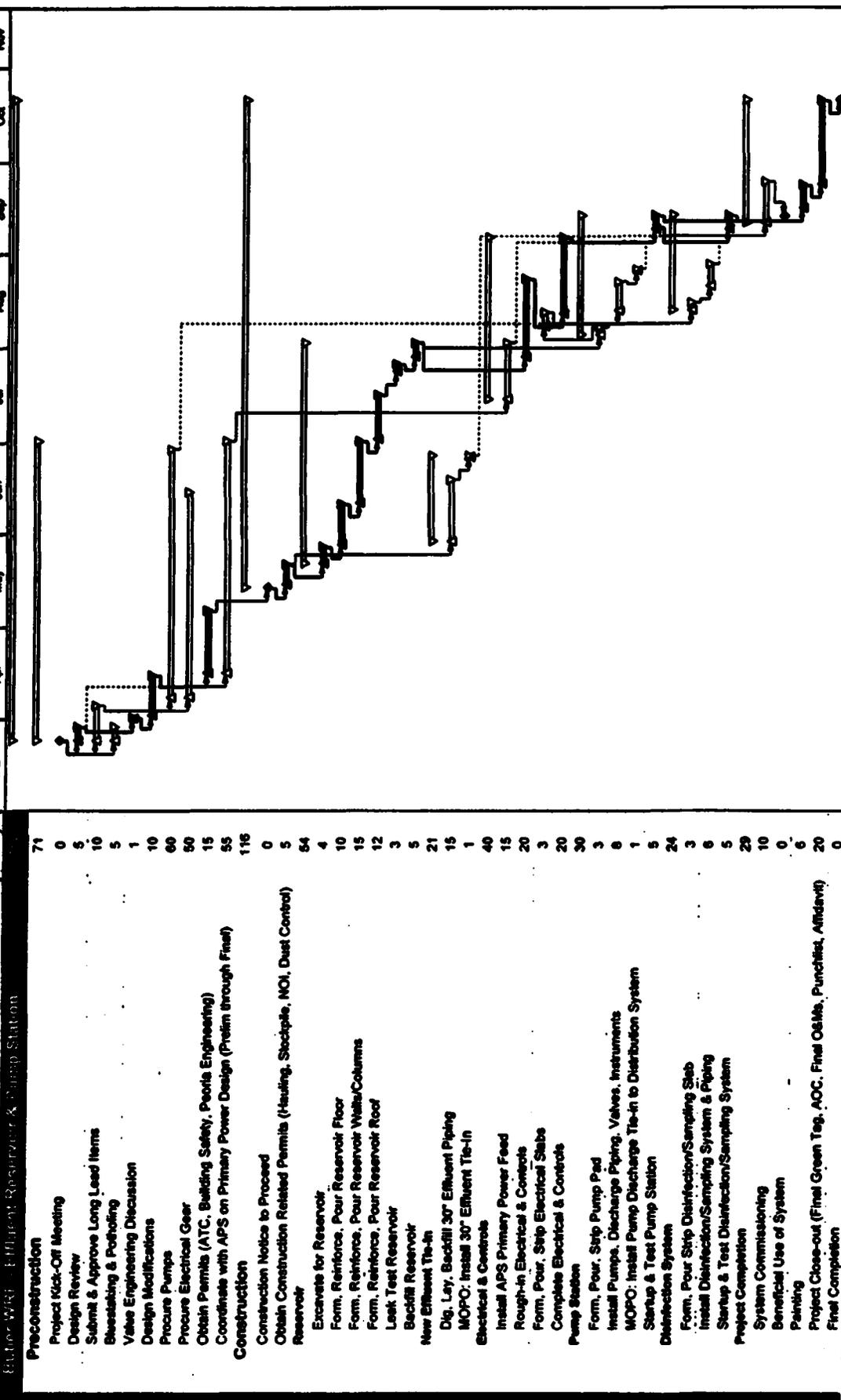
- Past history on our projects: Quality, on time completion, lack of claim or litigation activity
- Current availability: We will insure that the sub or supplier has the manpower to complete the work on time and in a quality fashion, particularly if it is a pre-purchase item or will require long lead attention
- Experience at the specific site: Has the firm worked at the project site in question? Are they familiar with the need to maintain the exiting process elements?
- Experience with the specific work items on the project: Do they have a history with this type of work?
- Safety record: We will review workmen's compensation records and past claim history

Firms meeting the above requirements are invited to bid an individual JOC, and responses will be compiled. Their quotations and correspondence will be fully available for the City's review and comment. Each successful bidder will be issued a subcontract or purchase order.

Subcontractors and suppliers that are selected because they possess proprietary information—or perhaps sole suppliers of equipment who are considered on their qualifications only—are brought into a JOC early. Often times their portion of the work is key to the overall project engineering and design. Specific considerations for these firms include:

- Early involvement, to insure that the other construction elements of the project fit seamlessly with the specific service or material being supplied by these firms.
- Review of price and schedule, to insure that prices are fair and that no schedule delays occur due to misunderstandings or missing key elements.
- We stand ready to assist qualifications only subcontractors and suppliers, as they often require unloading, storage or construction trade assistance with their work.

It is vital that we adhere to our Subcontractor Selection Plan to insure that all subcontractors and suppliers be allowed full participation in the design and scheduling phases. This insures an on time JOC that is on budget and is what the City staff wanted.



Activity Name	Original Duration	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Project Kick-Off Meeting	71									
Design Review	0									
Submit & Approve Long Lead Items	5									
Bidtaking & Potbidding	10									
Value Engineering Discussion	5									
Design Modifications	1									
Procure Pumps	60									
Procure Electrical Gear	50									
Obtain Permits (ATC, Building Safety, Poolia Engineering)	15									
Coordinate with APS on Primary Power Design (Perim through First)	55									
Construction	116									
Construction Notice to Proceed	0									
Obtain Construction Related Permits (Hauling, Stockpile, NOI, Dust Control)	5									
Reservoir	54									
Excavate for Reservoir	4									
Form, Reinforce, Pour Reservoir Floor	10									
Form, Reinforce, Pour Reservoir Walls/Columns	15									
Form, Reinforce, Pour Reservoir Roof	12									
Leak Test Reservoir	3									
Backfill Reservoir	5									
New Effluent Tie-In	21									
Dig, Lay, Backfill 30" Effluent Piping	15									
MOPC: Install 30" Effluent Tie-In	1									
Electrical & Controls	40									
Install APS Primary Power Feed	15									
Rough-in Electrical & Controls	20									
Form, Pour, Strip Electrical Slabs	3									
Complete Electrical & Controls	20									
Pump Station	30									
Form, Pour, Strip Pump Pad	3									
Install Pumps, Discharge Piping, Valves, Instruments	6									
MOPC: Install Pump Discharge Tie-in to Distribution System	1									
Startup & Test Pump Station	5									
Distribution System	24									
Form, Pour Strip Disinfection/Sampling Slab	3									
Install Disinfection/Sampling System & Piping	6									
Startup & Test Disinfection/Sampling System	5									
Project Completion	29									
System Commissioning	10									
Beneficial Use of System	0									
Painting	6									
Project Close-out (Final Green Tag, AOC, Final CSMs, Punchlist, Affidavit)	20									
Final Completion	0									
<b>Budget</b>	<b>Budget Units</b>	125	85	532	733	695	706	555	190	
<b>Remaining</b>	<b>Units</b>	5	5	10	65	70	70	65	30	
<b>Personnel</b>	<b>Units</b>	20	20	20	20	20	20	20	20	
<b>Skilled Tradesman</b>	<b>Units</b>	10	70	70	70	70	70	70	70	
<b>Semi Skilled Worker</b>	<b>Units</b>	10	10	200	300	300	330	290	40	
<b>Equipment Operator</b>	<b>Units</b>	10	10	100	150	175	175	110	30	



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## APPENDIX 1

### Scoring and Ranking Submittals

**Overview**

The City of Peoria uses a simple linear data model to score and rank the contractors. The model uses raw data scores with a 1-10 rating, then normalizes those scores to a 100 point basis, then multiplies by the weighted percentage for the final score and ranking. Example: 8.1 = 81 X 45% = 36.5.

**Example**

The following data and tables are for informational purposes only. Based on the raw data and weights, Contractor C is identified as the highest ranked firm (85.5 points out of 100 possible points). Any firm that receives a fail in the responsiveness or reference categories will be eliminated from the selection process.

	Criteria	Weight	Vendor A		Vendor B		Vendor C	
			Raw Score	Weighted Score	Raw Score	Weighted Score	Raw Score	Weighted Score
1	Responsiveness	Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass
2	Interview Score	45%	8.1	36.5	7.8	35.1	8.3	37.4
3	Scope Plan	25%	5.6	14	6.1	15.3	7.8	19.5
4	PA/VA Plan Score	25%	9.1	22.8	9.7	24.3	9.5	23.8
5	Project Duration Schedule & Subcontractor Plan Score	5%	8.5	4.3	9.3	4.7	9.5	4.8
6	References	Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass
		100%		77.6		79.4		85.5
	<b>Final Ranking</b>			3		2		1
				Vendor A		Vendor B		Vendor C



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### APPENDIX 2

#### Sample Project

#### *Expansion of Reclaim Water System for the Butler Water Reclamation Facility*

##### ***Project Description:***

The City of Peoria is developing a reclaimed water distribution system in its Southern area. The first phase entailed the construction of a small reservoir/surge tank located at the Butler Water Reclamation Facility (WRF). As part of this first phase, the City extended a distribution line to the Municipal Operations Center (MOC) and to the City Hall Campus located at the intersection of 85<sup>th</sup> Avenue and Monroe Streets. Currently the City of Peoria is using reclaimed water from this system to provide irrigation at City Hall and also for a truck wash facility at the MOC. In addition, two (2) existing Home Owners Associations are taking advantage of the reclaim water to irrigate their common area (see exhibit A for distribution system details).

The proposed project will design and construct a 100,000 gallon underground concrete reservoir and booster pump station at the Butler WRF (see exhibit B). This new infrastructure will provide increased quantities of reclaimed water for all potential future customers identified within the service area boundaries of the Butler Reclaimed Water System.

*The City is currently in the design phase and anticipates retaining the services of the selected Job Order Contractor under the following scope:*

1. Preconstruction Services:
  - Provide one constructability review during design (60% stage).
  - Provide up to two cost estimates during design (60% and 90%).
  - Prepare a construction GMP proposal.
2. Construction:
  - 100,000 underground concrete reservoir
  - 1 MGD Booster Pump Station (on top of the reservoir)
  - Disinfection System (assume chlorine gas)
  - EI&C

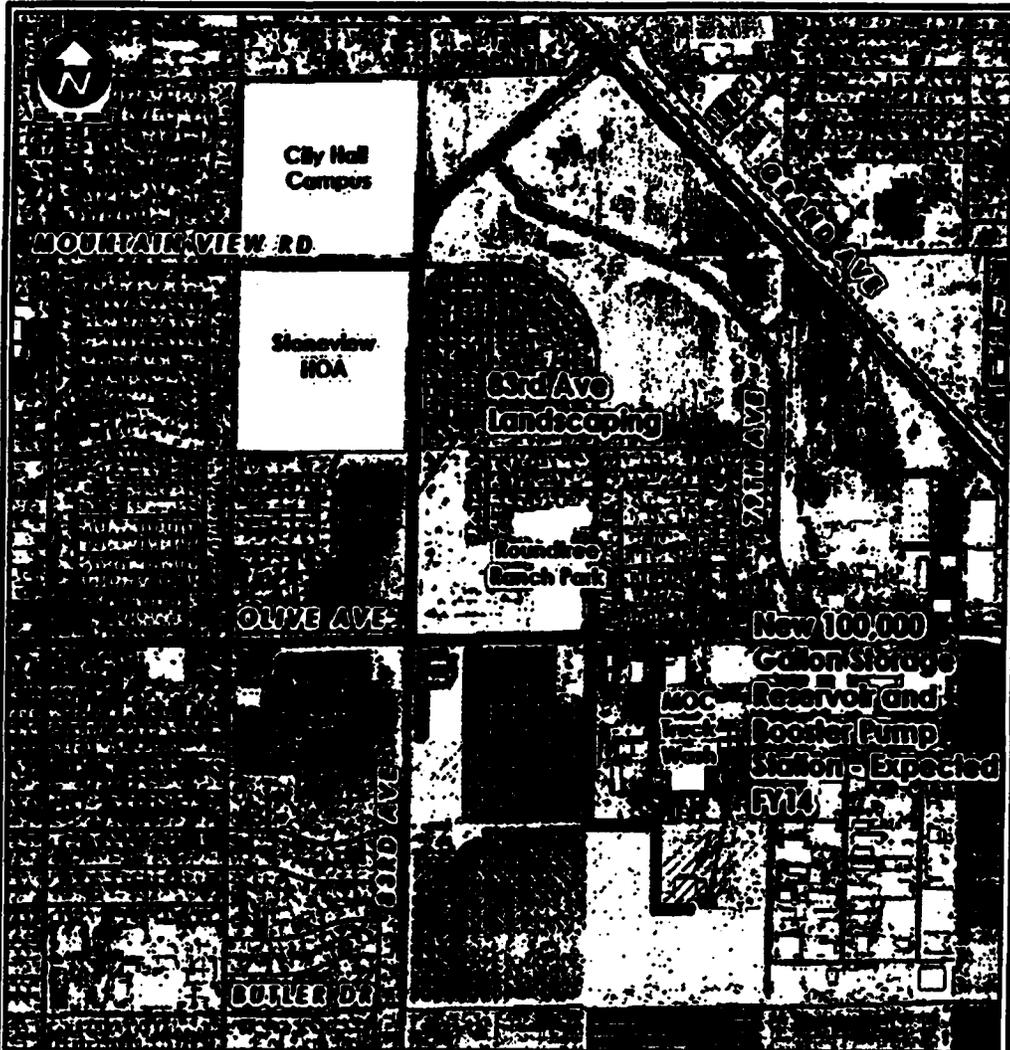


# STATEMENT OF INTEREST AND QUALIFICATIONS

Solicitation Number: P13-0042

Materials Management  
Procurement  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, Arizona 85345-6560  
Phone: (623) 773-7115  
Fax: (623) 773-7118

Exhibit A



### LEGEND

-  Existing Reclaimed Waterline
-  New Storage Reservoir & Booster Pump Station
-  Pioneer Park
-  Butler Drive Water Reclamation Facility

City of Peoria  
Butler Reclaimed Water  
System - Existing  
Customers  
8/16/12



**NOTE:**  
This map is based on the best available data, subject to change and not a guarantee of accuracy.

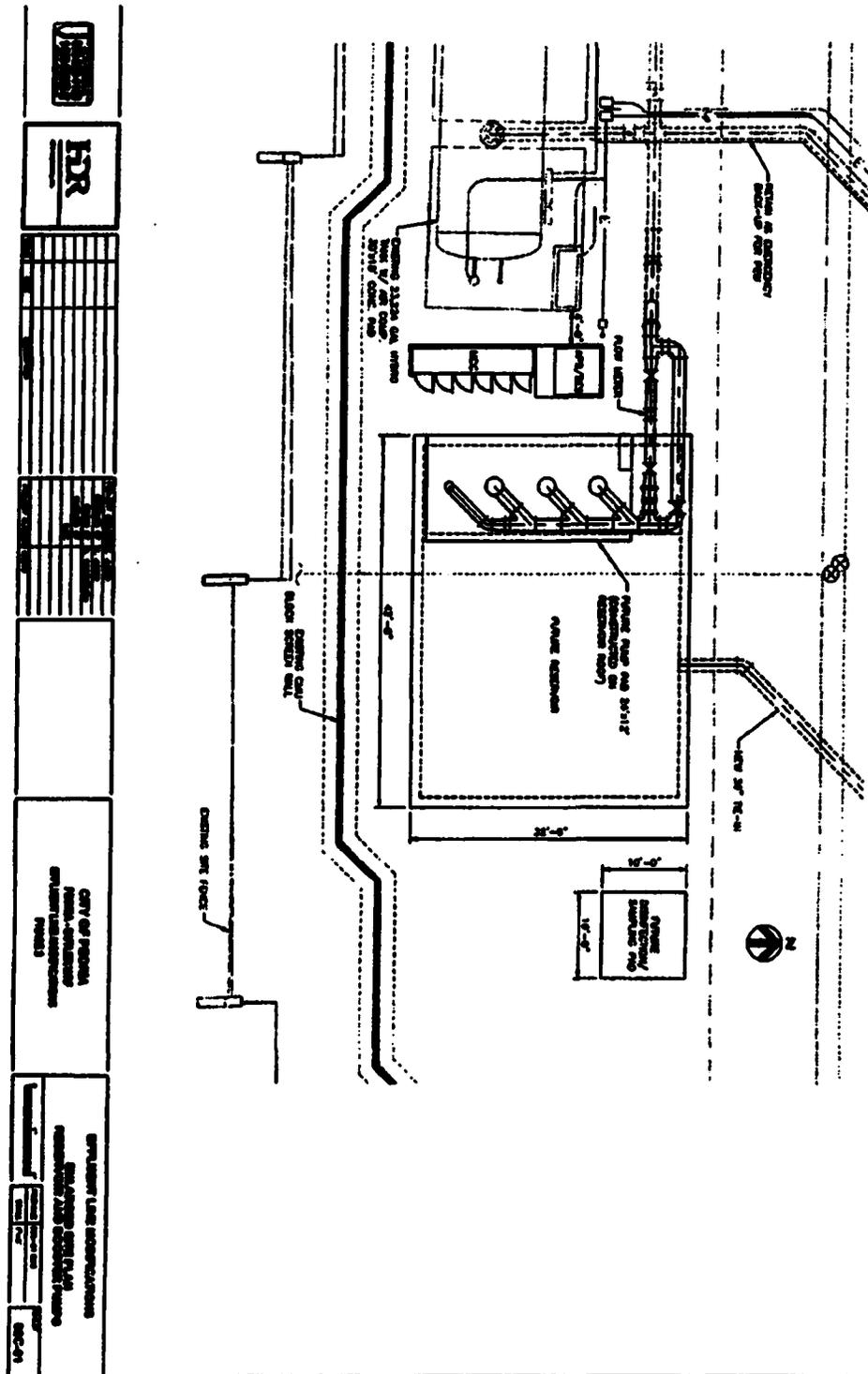


# STATEMENT OF INTEREST AND QUALIFICATIONS

Solicitation Number: P13-0042

Materials Management  
Procurement  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, Arizona 85345-8560  
Phone: (623) 773-7115  
Fax: (623) 773-7118

Exhibit B



**ATTACHMENT C**

**JOC Cost Proposal Forms  
(Pricing Matrix, Project Cost Sheet, & Contractor's Labor  
Rates)**

**(See Attached)**

**City of Peoria  
JOC Pricing Matrix**

**P13-0042, JOC for Water & Wastewater Treatment Facilities Projects  
Company Name: MGC Contractors, Inc.**

	\$1.00 to \$100,000	\$100,000 to \$250,000	\$250,000 to \$500,000	\$500,000 to \$1,000,000	over \$1,000,000
<b>Indirect Cost of the Work</b>					
General & Administrative Expenses (Overhead)	7.00%	7.00%	6.00%	6.00%	5.00%
Job Order Contractor's Fee (Profit)	10.00%	10.00%	9.00%	9.00%	8.00%
Payment & Performance Bonds	1.50%	1.50%	1.25%	1.25%	1.00%
Insurance	1.25%	1.25%	1.25%	1.25%	1.25%
AZ/County/City Taxes (65% of .091)	5.915%	5.915%	5.915%	5.915%	5.915%
<b>Total Indirect Cost %</b>	<b>25.67%</b>	<b>25.67%</b>	<b>23.42%</b>	<b>23.42%</b>	<b>21.17%</b>
<b>Labor Burden Percentage</b>	<b>28.00%</b>	<b>28.00%</b>	<b>28.00%</b>	<b>28.00%</b>	<b>28.00%</b>

# City of Peoria Job Order Cost Proposal

**CONTRACTOR NAME:** MGC Contractors, Inc.

Contract Type Water & Wastewater Facilities Projects  
 Job Order No. P13-0042  
 Job Title: \_\_\_\_\_  
 Location: \_\_\_\_\_

City Project No.: \_\_\_\_\_  
 Contractor's Job No.: \_\_\_\_\_  
 Prepared by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Revision: \_\_\_\_\_

Description of Work to be Performed  
 (supporting information attached):

**SECTION A: LABOR (inclusive of burden)**

Position	Unit	Quantity
Project Manager	Hours	1.0
Project Engineer	Hours	1.0
Superintendent	Hours	1.0
PROJECT ADMINISTRATOR	Hours	1.0
ESTIMATOR	Hours	1.0
CAD TECHNICIAN	Hours	1.0
Foreman	Hours	1.0
Specialty Operator	Hours	1.0
Equipment Operator	Hours	1.0
Skilled Tradesman (Journeyman)	Hours	1.0
Skilled Worker (Apprentice)	Hours	1.0
Semi Skilled Worker	Hours	1.0
Laborer	Hours	1.0

Labor Cost		Position
Each	Total	Total
\$ 90.00	\$ 90.00	\$ 90.00
\$ 90.00	\$ 90.00	\$ 90.00
\$ 90.00	\$ 90.00	\$ 90.00
\$ 90.00	\$ 90.00	\$ 90.00
\$ 90.00	\$ 90.00	\$ 90.00
\$ 90.00	\$ 90.00	\$ 90.00
\$ 63.64	\$ 63.64	\$ 63.64
\$ 42.97	\$ 42.97	\$ 42.97
\$ 36.90	\$ 36.90	\$ 36.90
\$ 42.42	\$ 42.42	\$ 42.42
\$ 38.16	\$ 38.16	\$ 38.16
\$ 36.16	\$ 36.16	\$ 36.16
\$ 24.55	\$ 24.55	\$ 24.55
<b>Total Labor Cost</b>		<b>\$ 693.40</b>

**SECTION B: EQUIPMENT (supporting information attached, i.e. EquipmentWatch.com)**

Item	Unit	Quantity
Equip1	Hours	1.0
Equip2	Hours	1.0
Equip3	Hours	1.0
Equip4	Hours	1.0
Equip5	Hours	1.0
Equip6	Hours	1.0
Equip7	Hours	1.0
Equip8	Hours	1.0
Equip9	Hours	1.0
Equip10	Hours	1.0

Equipment		Item
Each	Total	Total
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
<b>Total Equipment Cost</b>		<b>\$ -</b>

**SECTION C: MATERIALS**

Item	Unit	Quantity
Materials1	Each	1.0
Materials2	Box	1.0
Materials3	Roll	1.0
Materials4	Ten	1.0
Materials5	Yard	1.0
Materials6	Each	1.0
Materials7	Each	1.0
Materials8	Each	1.0
Materials9	Each	1.0
Materials10	Each	1.0

Material		Item
Each	Total	Total
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
<b>Total Material Cost</b>		<b>\$ -</b>

## City of Peoria Job Order Cost Proposal

**CONTRACTOR NAME:** MGC Contractors, Inc.

Contract Type <u>Water &amp; Wastewater Facilities Projects</u> Job Order No. <u>P13-0042</u> Job Title: _____ Location: _____	City Project No.: _____ Contractor's Job No.: _____ Prepared by: _____ Date: _____
---	---

**SECTION D: SUBCONTRACTORS & CONSULTANTS**

Company	Description of Work to be Performed (Supporting quote & information attached)	Item Total
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
<b>Total Subcontractor Cost</b>		<b>\$0.00</b>

<b>OVERHEAD:</b>	0%
<b>PROFIT:</b>	0%
<b>Subtotal General Contractor Costs (A+B+C):</b>	<b>\$693.40</b>
<b>O&amp;P (15% of A+C):</b>	<b>\$0.00</b>
<b>Total General Contractor Costs including O&amp;P:</b>	<b>\$693.40</b>
<b>Subtotal Subcontractor Costs (D)</b>	<b>\$0.00</b>
<b>Profit (5% of D)</b>	<b>\$0.00</b>
<b>Total Subcontractor Costs including O&amp;P:</b>	<b>\$0.00</b>
<b>TOTAL GC and Subcontractor Costs including O&amp;P:</b>	<b>\$693.40</b>
<b>Insurance Costs @ 1.25%</b>	<b>\$8.67</b>
<b>Bond Costs @ 1.25%</b>	<b>\$8.67</b>
<b>Sales Tax (85% of 9.1%)</b>	<b>\$42.04</b>
<b>Subtotal Job Cost:</b>	<b>\$752.77</b>
<b>Contingencies</b>	<b>\$0.00</b>
<b>TOTAL JOB COST:</b>	<b>\$752.77</b>

Submitted by:

\_\_\_\_\_  
Name, Title

\_\_\_\_\_  
Date

3/12/2013 CF

**CONTRACTOR NAME:** MGC Contractors, Inc.

**Contract Type** Water & Wastewater Facilities Projects

**Job Order No.** P13-0042

**SECTION A: LABOR (inclusive of burden)**

Position	Unit	Quantity	Each
Project Manager	Hours	1.0	\$ 90.00
Project Engineer	Hours	1.0	\$ 60.00
Superintendent	Hours	1.0	\$ 80.00
PROJECT ADMINISTRATOR	Hours	1.0	\$ 50.00
ESTIMATOR	Hours	1.0	\$ 90.00
CAD TECHNICIAN	Hours	1.0	\$ 50.00
Foreman	Hours	1.0	\$ 53.84
Specialty Operator	Hours	1.0	\$ 42.97
Equipment Operator	Hours	1.0	\$ 35.50
Skilled Tradesman (Journeyman)	Hours	1.0	\$ 42.42
Skilled Worker (Apprentice)	Hours	1.0	\$ 38.16
Semi Skilled Worker	Hours	1.0	\$ 36.16
Laborer	Hours	1.0	\$ 24.55

**ATTACHMENT D**

**Contractor's Contacts  
(Contact List & Authorized Signature Form)**

**(See Attached)**



March 20, 2013

City of Peoria  
9875 North 85<sup>th</sup> Avenue, 2<sup>nd</sup> Floor  
Peoria, AZ 85345

ATTN: Christine Finney, CPPB

RE: JOC for Water & Wastewater Treatment Facilities Projects  
Key Personnel

**Randy Gates, Project Executive**  
Mobile

**randy@mgccontractors.com**  
**602-757-4432**

**Greg Beetem, Project Manager**  
Mobile

**greg@mgccontractors.com**  
**602-757-6140**

**Mike Panter, Senior Estimator**  
Mobile

**mikep@mgccontractors.com**  
**602-722-6537**

**Doug Hoopes, General Superintendent**  
Mobile

**dhoopes@mgccontractors.com**  
**602-513-3255**

**Main Office**  
**Main Office Fax**

**602-437-5000**  
**602-470-4000**



March 20, 2013

City of Peoria  
9875 North 85<sup>th</sup> Avenue, 2<sup>nd</sup> Floor  
Peoria, AZ 85345

ATTN: Christine Finney, CPPB

RE: JOC for Water & Wastewater Treatment Facilities Projects  
Authorized Signature Form

Dear Christine,

Per your request, the following individuals are authorized to sign contractual documents for MGC.

Randy L. Gates, President

Greg Bectem, Project Manager

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

Sincerely,

Wendy S. Harvey  
Corporate Secretary



# CONTRACT AMENDMENT

Solicitation No. P13-0042B Page 1 of 2  
 Description: JOC for Water & Wastewater Treatment Facilities Projects (MGC Contractors)  
 Amendment No. One (1) Date: April 8, 2014

**Materials Management Procurement**  
 9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
 Peoria, AZ 85345  
 Telephone: (623) 773-7115  
 Fax: (623) 773-7118  
 Buyer: Christine Finney

### The following changes are hereby made to the contract:

- I. **Contract Extension** - In accordance with the Contract Special Terms and Conditions, Contract Extension, the above referenced contract shall expire on April 11, 2014 and is hereby extended an additional twelve (12) months.

The new Contract Term is April 12, 2014 to April 11, 2015.

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

Signature	Date	Randy Gates, President Typed Name and Title	MGC Contractors, Inc. Company Name
4110 East Elwood Street Address		Phoenix City	AZ 85040 State Zip Code

Attested By:

Rhonda Geriminsky, City Clerk

CC Number

ACON18413A  
Contract Number

City Seal  
Copyright 2003  
City of Peoria, Arizona

Director: Bill Mattingly, PW/Utilities Director

Department Rep: Karl Zook, PE, Construction Superintendent

Approved as to Form:

Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed:

\_\_\_\_\_ , \_\_\_\_\_ , at Peoria, Arizona

Dan Zenko, Materials Manager



## CONTRACT AMENDMENT

Solicitation No. P13-0042B

Page 2 of 2

Description: JOC for Water & Wastewater Treatment Facilities  
Projects (MGC Contractors)

Amendment No. One (1)

Date: April 8, 2014

**Materials Management  
Procurement**

9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, AZ 85345

Telephone: (623) 773-7115  
Fax: (623) 773-7118

Buyer: Christine Finney

II. **Page 17, Section 9.3, (Job Order Cost Proposal Structure)** is hereby **DELETED** and **REPLACED** with the following REVISED Section 9.3 *Changes shown in italicized underline.*

9.3. **Job Order Cost Proposal Structure.** For each Job Order, the Job Order Contractor shall prepare a Job Order Cost Proposal with the sufficient level of cost detail as required by the Owner. Cost detail may include, but is not limited to: schedule of values, work schedule, direct labor cost and fringe benefits, direct material costs (supported by quotes), direct equipment costs (supported by quotes), allowable overhead costs (includes insurance), allowable profit, cost of subcontractors (supported by quotes), and contractor's overhead allowance (*not to exceed 5 percent*) for subcontractor costs.

III. **Key Personnel:** In accordance with the Contract Terms and Conditions, Key Personnel, the following individuals are hereby added to the Contractor's list of Key Personnel.

Nick Patterson

- [nick@mgccontractors.com](mailto:nick@mgccontractors.com)
- Cell# (602) 722-7080

Keith McClure

- [keith@mgccontractors.com](mailto:keith@mgccontractors.com)
- Cell# (602) 680-8628

Bryan Forster

- a. [bryanf@mgccontractors.com](mailto:bryanf@mgccontractors.com)
- b. Cell# (602) 695-3652

**Nothing Further**



# CONTRACT AMENDMENT

Solicitation No. P13-0042B

Page 1 of 2

Description: JOC for Water & Wastewater Treatment Facilities Projects (MGC Contractors)

Amendment No. Two (2)

Date: 12/30/14

**Materials Management Procurement**  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, AZ 85345  
Telephone: (623) 773-7115  
Fax: (623) 773-7118  
Buyer: Christine Finney

In accordance with the Contract Special Terms and Conditions, Contract Extension, the above referenced contract shall expire on 4/11/15.

**The New Contract Term Is: 4/12/15 to 4/11/16**

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

*Randy Gates* 1/20/15  
Signature Date

Randy Gates, President  
Typed Name and Title

MGC Contractors, Inc.  
Company Name

4110 E. Elwood St.  
Address

Phoenix  
City

AZ  
State

85040  
Zip Code

Attested By:

Rhonda Geriminsky, City Clerk

CC Number

ACON18413B  
Contract Number

*Michael D. Weber*  
(for Bill Mattingly)

Director: Bill Mattingly, Public Works/Utilities Director

*Dan Davis* 1-17-15  
Project Manager: Dan Davis, Construction Superintendent

Approved as to Form:

Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed:

\_\_\_\_\_ at Peoria, Arizona

Dan Zenko, Materials Manager

City Seal  
Copyright 2003  
City of Peoria, Arizona



## CONTRACT AMENDMENT

Solicitation No. P13-0042B

Page 2 of 2

Description: JOC for Water & Wastewater Treatment Facilities  
Projects (MGC Contractors)

Amendment No. Two (2)

Date: 12/30/14

Materials Management  
Procurement  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, AZ 85345  
Telephone: (623) 773-7115  
Fax: (623) 773-7118

Buyer: Christine Finney

**Key Personnel:** In accordance with the Contract Terms and Conditions, Key Personnel, the following individuals are hereby *added* to the Contractor's list of Key Personnel.

**Matt Pavlich**

- [matt@mgecontractors.com](mailto:matt@mgecontractors.com)
- Cell# (602) 513-3123



# CONTRACT AMENDMENT

Solicitation No P13-0042B Page 1 of 1

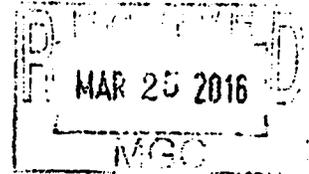
Description: JOC for Water & Wastewater Treatment Facilities Projects (MGC Contractors)

Amendment No. Three (3) Date: March 7, 2016

Materials Management Procurement  
9875 N. 85<sup>th</sup> Ave., 2<sup>nd</sup> Fl.  
Peoria, AZ 85345  
Telephone: (623) 773-7115  
Fax: (623) 773-7118  
Buyer: Christine Finney

In accordance with the Contract Special Terms and Conditions, **Contract Extension**, the above referenced contract shall expire on 4/11/2016 and is hereby extended an additional twelve (12) months.

The New Contract Term is therefore 4/12/2016 to 4/11/2017.



Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

Randy Gates 3/8/16  
Signature Date

Randy Gates, President  
Typed Name and Title

MGC Contractors, Inc.  
Company Name

4110 E. Elwood St.  
Address

Phoenix  
City

AZ  
State

85040  
Zip Code

Attested By

Rhonda Geriminsky  
for Rhonda Geriminsky, City Clerk

Stuart Kent  
Director Stuart Kent, Interim Public Works/Utilities Director

Dan Davis  
Project Manager Dan Davis, Construction Superintendent

Approved as to Form  
Stephen M Kemp  
Stephen M Kemp City Attorney

The above referenced Contract Amendment is hereby Executed  
March 17 2016 at Peoria Arizona  
Jan Zerk  
Jan Zerk Materials Manager



CC Number

ACON18413C  
Contract Number

City Seal  
Copyright 2003  
City of Peoria Arizona

ACON18413C

**RIDER**

TO BE ATTACHED TO AND FORM PART OF

ARIZONA - ARIZONA, STATE OF - STATUTOR 28.34 & 41 PERF. & PA  
(Bond Type)

NO. 58706707  
(Bond Number)

IN FAVOR OF City Of Peoria  
(Obligee)

ON BEHALF OF MGC Contractors, Inc.  
(Principal)

EFFECTIVE September 3, 2013  
(Original Effective Date)

CONTRACT NO. P13-0042B

IT IS AGREED THAT, in consideration of the original premium charged for this bond, and any additional premium that may be properly chargeable as a result of this rider.

The Surety, Western Surety Company  
hereby gives its consent to change;

Effective Date

(of) the attached bond

FROM: Old Effective Date = 4/12/2015 Old Expiration Date = 4/11/2016

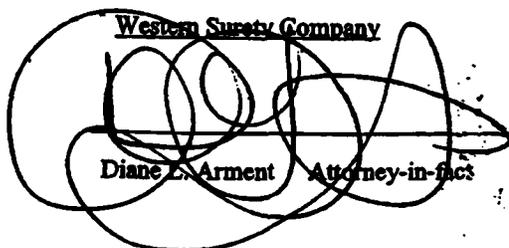
TO: New Effective Date = 4/12/2016 New Expiration Date = 4/11/2017

REASON: Bond Extension for New Term per Contract Amendment. New Contract Term is 4/12/16 to 4/11/17.

EFFECTIVE: April 12, 2016

PROVIDED, however that the attached bond shall be subject to all its agreements, limitations, and conditions except as herein expressly modified, and that the liability of the Surety under the attached bond and under the attached bond as changed by this rider shall not be cumulative.

SIGNED, AND SEALED this 24th day of March, 2016

Western Surety Company  
  
Diane L. Arment Attorney-in-fact

**LINKING AGREEMENT  
BETWEEN  
THE CITY OF GLENDALE, ARIZONA  
AND  
MGC CONTRACTORS, INC.**

**EXHIBIT B  
Scope of Work**

**PROJECT**

Pyramid Peak WTP Filter Gallery Area Caustic System Replacement scope of work: Contractor is to furnish and install new caustic pump piping and appurtenances, electrically wiring & re-wiring of new/existing electrical power and controls and programming. The peristaltic chemical pumps, controllers and leak detection system are to be Owner provided but installed by MGC. Black & Veatch shall provide a caustic system design utilizing the pre-purchased/Owner provided pumps and controllers. All existing piping that is to be replaced will be isolated by the Owner prior to MGC performing demo work. All Sodium Hydroxide that is to be disposed of during demolition work shall be disposed of by the Owner. Ludvik Electric will electrically connect new pump motors, controllers, and leak detectors to/from existing pump control panels. Vertech will integrate VFD dosing control of the new peristaltic pumps through existing control panels, PLCs, and new controllers with individual setpoints. All testing and startup will be performed by Contractor.

Pyramid Peak WTP Filter Gallery West Sump Pump Replacement scope of work: Contractor is to furnish and replace existing west sump pumps, discharge piping & appurtenances, new sump cover, control panel, disconnect switches, and programming. Black & Veatch is to specify new pumps and design a new piping system. Vertech will program new sump pump alarm to existing PLC. The Owner is to close and secure isolation locations prior to MGC performing work. Owner shall provide temporary sump pump and hose during MOPO installation work. The west sump can not be shutdown and work will be performed without system disruption. All testing and startup will be performed by Contractor.

**LINKING AGREEMENT  
BETWEEN  
THE CITY OF GLENDALE, ARIZONA  
AND  
MGC CONTRACTORS, INC.**

**EXHIBIT C**

**METHOD AND AMOUNT OF COMPENSATION**

Job Order Contract - \$446,507

**NOT TO EXCEED AMOUNT**

The total amount of compensation paid to Contractor for full completion of all work required by the Project must not exceed \$446,507 for the entire term of the Agreement.

**DETAILED PROJECT COMPENSATION**

Base Bid Price: \$320,615

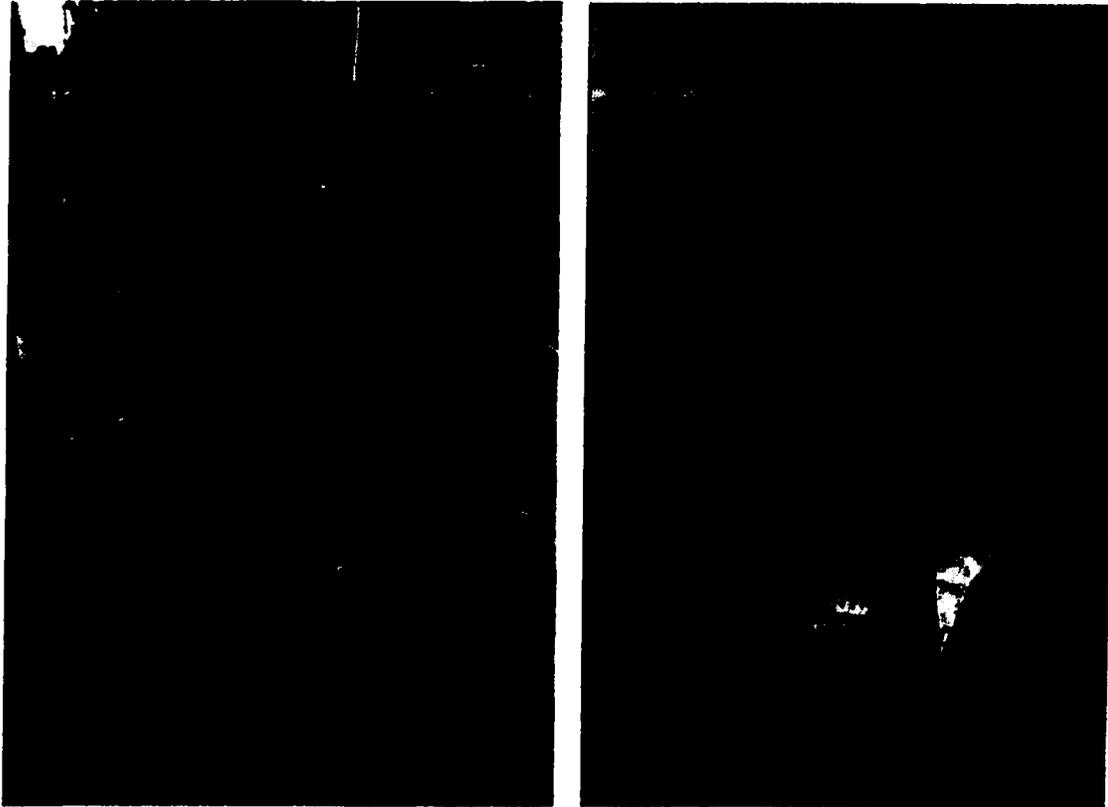
General Allowance: \$17,500

West Sump Pump Electrical Allowance: \$37,000

West Sump Pump Programming Allowance: \$7,500

Coatings & Painting Allowance: \$15,800

Owner's Contingency (15%): \$48,092



**City of Glendale**

**Pyramid Peak WTP  
MGC Project Proposal**

*Caustic Feed System Replacement and  
West Sump Modifications*



September 27<sup>th</sup>, 2016

City of Glendale  
28101 North 63<sup>rd</sup> Avenue  
Phoenix, Arizona 85083

Attn: Mr. Mark Roye

Re: Plant Maintenance Work Order Proposal  
Pyramid Peak Water Treatment Plant – Caustic Chemical System and Filter Gallery West Sump Pump Replacement

Dear Mark:

In accordance with the information provided in the August 24<sup>th</sup> and September 9<sup>th</sup> project scoping meeting, we are pleased to offer a proposal to install four (4) Owner provided Flowmotion Peristaltic feed pumps. MGC will furnish and install all piping, appurtenances, VFD integration programming, and electrical connections to the existing Sodium-Hydroxide (Caustic) system as described in this proposal. MGC will also perform the West Filter Gallery Sump Pump replacement and piping modification work. All work will be completed as requested. The total budgetary price for this work is (\$446,507.00) Four Hundred Forty-Six Thousand Five Hundred Forty-Six Dollars. This price includes four (4) allowances that totals \$77,800 and (1) owner's contingency of \$48,092. A further breakdown of the proposal is attached. All applicable sales tax and performance and payment bonds have been included. Please note the following clarifications:

Cost Breakout:

- Black & Veatch Engineering Services: Base Cost = \$60,169 + Allowance
  - Engineering Allowance - \$10,000
- Sodium-Hydroxide (Caustic) System: Base Cost = \$149,917 + Allowances
  - General Allowance - \$7,500
  - Painting and Coatings Allowance - \$8,800
- Filter Gallery West Sump Pump replacement and piping modification work:  
Base Cost = \$100,530 + Allowances
  - General Allowance - \$10,000
  - Electrical Allowance - \$37,000
  - Programming Allowance - \$7,500
  - Painting Allowance - \$7,000
- Owners Contingency of 15% - \$48,092

This is a budgetary price, once final design is established the project will be re-priced to reflect the designed scope.



**Caustic System Replacement Scope of Work:**

- Black and Veatch will provide design for Caustic system replacement.
- A general allowance of \$7,500 has been included to cover unforeseen existing conditions.
- The chemical cleanup and disposal allowance has been removed. The City of Glendale will provide disposal of any residual chemicals and contaminated materials in lieu of Kary Environmental.
- A painting allowance of \$8,800 has of been included to repair coatings on top of concrete pump pedestals and for painting of new carbons steel NaOH (Caustic) Piping.
- It is assumed all Caustic system work can be completed during one shutdown.
- The City will isolate and provide provisions to shutdown each skid prior to MGC performing work.
- MGC will demo existing chemical pump and piping skids. Existing metal pump stands will be removed from the top of existing concrete pump pads. The existing pump stand anchors will be cut flush with the top of concrete pump pad and new pump anchors will be drilled and epoxied in place. Areas where coatings were damaged during anchor removal will be touched up with approved coating.
- MGC will replace the Caustic system's existing PVC pipe and fittings at the dosing pumps only with new schedule 40 carbon steel pipe and fittings. In this proposal, drawings have been included that show the extents of pipe replacement boundaries. Existing pipe supports will be re-used to mount new chemical piping. MGC will provide new back-pressure valves, calibration columns, Perma-seal plug valves, check valves, and pressure gauges with diaphragm seals. A complete material breakdown is included in this proposal. Block and bleeds for pressure gauge diaphragm seals are not included.
- MGC has not included exact product manufacturer replacement parts of existing chemical appurtenances. New valves and appurtenances will be of equal functionality and product quality of replaced parts.
- The new Caustic system carbon steel piping and appurtenances will be painted. Standard chemical piping adhesive labels will also be furnished and installed.
- The existing chemical systems control panels will be retrofitted as to contain all the wiring that is needed for the new pumps. The new, Owner provided, pump controllers will mount above the existing retrofitted panels. The existing control panels contain the termination points for all the wiring, which will allow us to extend the wiring from the panel to the new Pump Controllers. Vertech will perform the integration on all new pumps using Proworx. This will be done in such a way that Modsoft can read the code out of the PLC. If integration of these components cannot be achieved and new VFDs must be purchased, additional compensation will be required.
- Coding will be provided to smooth the influent flow signal for flow pacing controls. Individual setpoints for dosing are included. A Vertech controls engineer will work closely with Glendale personnel to implement the necessary changes to SCADA. Any additional hardware required to accommodate changes or requisitions during the course of designing or building this system have been excluded.
- Ludvik will provide the needed electrical modifications to each new Owner provided Flowmotion Peristaltic chemical pump. This includes all work associated with the modifications at the existing control panels and connections located at the new pumps as well as associated items located at the pump pads. Any and all conduit, wire, cable and other work needed from the location of the modified control panels back to their existing power and control sources is excluded.



- A new PVC panel will be installed on the backside of existing panel supports so new Owner provided pump and leak detection panels can be mounted.
- As-built drawings for mechanical, electrical and programming upgrades will be provided to the Owner at the end of the project.
- A site specific safety plan will be provided before work begins.
- Chemical system specific drawings, piping and appurtenance product submittals, along with electrical wiring and controller integration submittal information will be sent for approval to the city before procurement of materials and field work begins.
- MGC will prepare a MOPO for Caustic system shutdown prior to the commencement of any work being performed.

**Filter Gallery West Sump Pump Replacement and Piping Modifications Scope of Work:**

- Included allowance items are as follows:
  - A General Allowance of \$10,000 has been included for unforeseen circumstances and sealing of existing open sump.
  - An Electrical Allowance of \$37,000 has been included.
  - A Programming Allowance of \$7,500 has been included. Programming, if needed, will be provided by Vertech.
  - A Painting Allowance of \$7,000 has been included.
- Black & Veatch to evaluate and provide schematic drawings for the new duplex sump pump system.
- Schematic design will include the following:
  - Discharge piping, valves, pipe supports, provisions for manually hoisting the pumps, a vent line (if required), and electrical and instrumentation & controls.
- It is assumed that an adequate number of I/O landing points is available and no replacement of plant monitoring equipment is required.
- It is assumed that no permitting through City of Phoenix Annual Facilities Program will be required.
- MGC will furnish and install new duplex pumping system including control panel and standard accessories. New discharge piping will be installed to an existing 6" drain tee. This is shown on our "Point of Connection" photo.
- A sump pump mounting base plate and Aluminum Cover Plate with hatch have been included.
- Demolition and disposal of existing equipment and materials is included.



**Filter Gallery East Sump System Discharge Analysis and Modifications Scope of Work:**

- No Scope has been provided or included for the Filter Gallery East Sump.

Thank you for the opportunity to be of service, if you have any questions please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Randy L. Gates'.

Randy L. Gates  
President



# City of Glendale Job Order Cost Proposal

CONTRACTOR NAME: [REDACTED]

## PROPOSAL WORKSHEET

Contract Type: [REDACTED]  
 Job Order No.: [REDACTED]  
 Job Title: [REDACTED]  
 Location: [REDACTED]

City Project No.: [REDACTED]  
 Contractor's Job No.: [REDACTED]  
 Prepared by: [REDACTED]  
 Date: [REDACTED]

**SECTION C: MATERIALS (see attached breakdowns for further information)**

Item	Unit	Quantity
Caustic Sys - Materials	LS	1.0
West SP Sys - Materials	LS	1.0

Material		Item
Each	Total	Total
\$ 51,085.36	\$ 51,085.36	\$ 51,085.36
\$ 40,663.81	\$ 40,663.81	\$ 40,663.81
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -

**SECTION D: SUBCONTRACTORS & CONSULTANTS**

Company	Description of Work to be Performed (Supporting quote & information attached)	Item Total
Black & Veatch	Engineering (3% Mark-Up)	\$ 62,800.00
Ludvik	Furnish and Install Electrical Equip. for Caustic Sys	\$ 5,900.00
Vertech	Furnish programming services for new chemical pumps for Caustic Sys	\$ 12,360.00
Kary Environmental Services	Cleanup of chemicals for Caustic Sys	\$ 2,398.76

OVERHEAD: [REDACTED]  
 PROFIT: [REDACTED]

Subtotal General Contractor Costs (A+B+C):	\$ 181,735.10
O&P (% of A+C):	\$ 27,441.88
Total General Contractor Costs including O&P:	\$ 209,176.98
Subtotal Subcontractor Costs (D)	\$ 83,458.76
Profit (5% of D)	\$ 2,916.94
Total Subcontractor Costs including O&P:	\$ 86,375.70
TOTAL GC and Subcontractor Costs including O&P:	\$ 295,552.68
Insurance Costs @ 1.25%	<span style="background-color: black; color: black;">[REDACTED]</span>
Bond Costs @ 1.25%	<span style="background-color: black; color: black;">[REDACTED]</span>
Sales Tax (65% of 9.2%)	\$ 17,674.05
<b>Subtotal Job Cost:</b>	<b>\$ 320,616.64</b>

*25.98*

**ALLOWANCES**

General Allowance	\$ 17,500.00
West SP Electrical Allowance	\$ 37,000.00
West SP Programming Allowance	\$ 7,500.00
Coatings & Painting Allowance	\$ 15,800.00
Owners Contingency (15%)	\$ 48,092.00
<b>TOTAL JOB COST:</b>	<b>\$ 446,607.55</b>

Submitted by:

Bryan Forster, Project Manager  
 Name, Title

Tuesday, September 27, 2016  
 Date

Approved by:

\_\_\_\_\_  
 Name, Title

\_\_\_\_\_  
 Date

# City of Glendale Job Order Cost Proposal

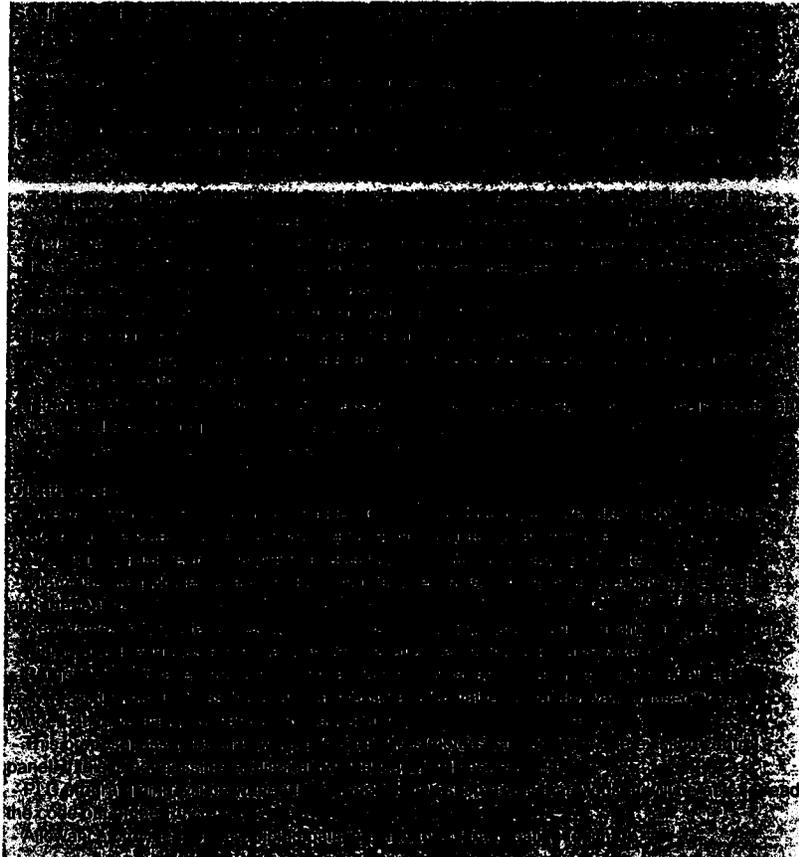
CONTRACTOR NAME: [REDACTED]

## Sodium Hydroxide (Caustic) System Cost Breakdown

Contract Type: [REDACTED]  
 Job Order No.: [REDACTED]  
 Job Title: [REDACTED]  
 Location: [REDACTED]

City Project No.: [REDACTED]  
 Contractor's Job No.: [REDACTED]  
 Prepared by: [REDACTED]  
 Date: [REDACTED]  
 Revision: [REDACTED]

Description of Work to be Performed  
 (supporting information attached):



**SECTION A: LABOR (inclusive of burden)**

Position	Unit	Quantity
Project Manager	Hours	30.0
Project Engineer	Hours	40.0
General Superintendent	Hours	40.0
Superintendent	Hours	128.0
PROJECT ADMINISTRATOR	Hours	0.0
ESTIMATOR	Hours	0.0
CAD Technician	Hours	53.3
Foreman	Hours	138.0
Skilled Tradesman (Journeyman)	Hours	128.0
Skilled Worker (Apprentice)	Hours	116.0
Laborer	Hours	138.0

Labor Cost		Position
Each	Total	Total
\$ 90.00	\$ 2,700.00	\$ 2,700.00
\$ 60.00	\$ 2,400.00	\$ 2,400.00
\$ 90.00	\$ 3,600.00	\$ 3,600.00
\$ 80.00	\$ 10,240.00	\$ 10,240.00
\$ 50.00	\$ -	\$ -
\$ 90.00	\$ -	\$ -
\$ 50.00	\$ 2,666.67	\$ 2,666.67
\$ 53.64	\$ 7,402.32	\$ 7,402.32
\$ 42.42	\$ 5,429.76	\$ 5,429.76
\$ 38.16	\$ 4,426.56	\$ 4,426.56
\$ 24.55	\$ 3,387.90	\$ 3,387.90

**SECTION B: EQUIPMENT**

Item	Unit	Quantity
Pickup Truck	Hours	70.0
Supervisor Truck	Hours	168.0

Equipment		Item
Each	Total	Total
\$ 21.00	\$ 1,470.00	\$ 1,470.00
\$ 34.70	\$ 5,829.60	\$ 5,829.60
		\$ 7,299.60

## City of Glendale Job Order Cost Proposal

CONTRACTOR NAME:

**MSC Contractors, Inc.**  
**Sodium Hydroxide (Caustic) System Cost Breakdown**

Contract Type: \_\_\_\_\_  
 Job Order No.: \_\_\_\_\_  
 Job Title: \_\_\_\_\_  
 Location: \_\_\_\_\_

City Project No.: \_\_\_\_\_  
 Contractor's Job No.: \_\_\_\_\_  
 Prepared by: \_\_\_\_\_  
 Date: \_\_\_\_\_

**SECTION C: MATERIALS (see attached breakdowns for further information)**

Item	Unit	Quantity
Site Facilities	LS	1.0
Piping & Appurtenances (3 Skids/4 Pumps)	EA	4.0
Piping & Appurtenances	EA	1.0
Chemical Cleanup Kit	LS	1.0
Small Tools 10% of Labor & Burden	LS	1.0

Material		Item
Each	Total	Total
\$ 1,375.00	\$ 1,375.00	\$ 1,375.00
\$ 10,889.41	\$ 43,557.63	\$ 43,557.63
\$ 2,814.08	\$ 2,814.08	\$ 2,814.08
\$ 250.00	\$ 250.00	\$ 250.00
\$ -	\$ -	\$ -
\$ 3,088.65	\$ 3,088.65	\$ 3,088.65

**SECTION D: SUBCONTRACTORS & CONSULTANTS**

Company	Description of Work to be Performed (Supporting quote & information attached)	Item Total
Ludvik	Electrically disconnect & re-connect. Furnish & install elec equip.	\$ 5,900.00
Vertech	Furnish programming services for new pumps	\$ 12,360.00
Kary Environmental Services	Cleanup of chemicals	\$ 2,398.76

OVERHEAD: \_\_\_\_\_

PROFIT: \_\_\_\_\_

Subtotal General Contractor Costs (A+B+C):	\$ 100,638.17
O&P (% of A+C):	\$ 15,867.56
<b>Total General Contractor Costs including O&amp;P:</b>	<b>\$ 116,505.72</b>
Subtotal Subcontractor Costs (D)	\$ 20,658.76
Profit (5% of D)	\$ 1,032.94
<b>Total Subcontractor Costs including O&amp;P:</b>	<b>\$ 21,691.70</b>
<b>TOTAL GC and Subcontractor Costs including O&amp;P:</b>	<b>\$ 138,197.43</b>
Insurance Costs @ 1.25%	\$ 1,527.47
Bond Costs @ 1.25%	\$ 1,527.47
Sales Tax (65% of 9.2%)	\$ 8,264.21

**Subtotal Job Cost: \$ 149,916.57**

**ALLOWANCES**

General Allowance	\$ 7,500.00
Coatings & Painting Allowance	\$ 8,800.00

**TOTAL JOB COST: \$ 166,216.57**

Submitted by:

Bryan Forster, Project Manager  
 Name, Title

Wednesday, September 14, 2016  
 Date

Approved by:

\_\_\_\_\_  
 Name, Title

\_\_\_\_\_  
 Date

# City of Glendale Job Order Cost Proposal

CONTRACTOR NAME:

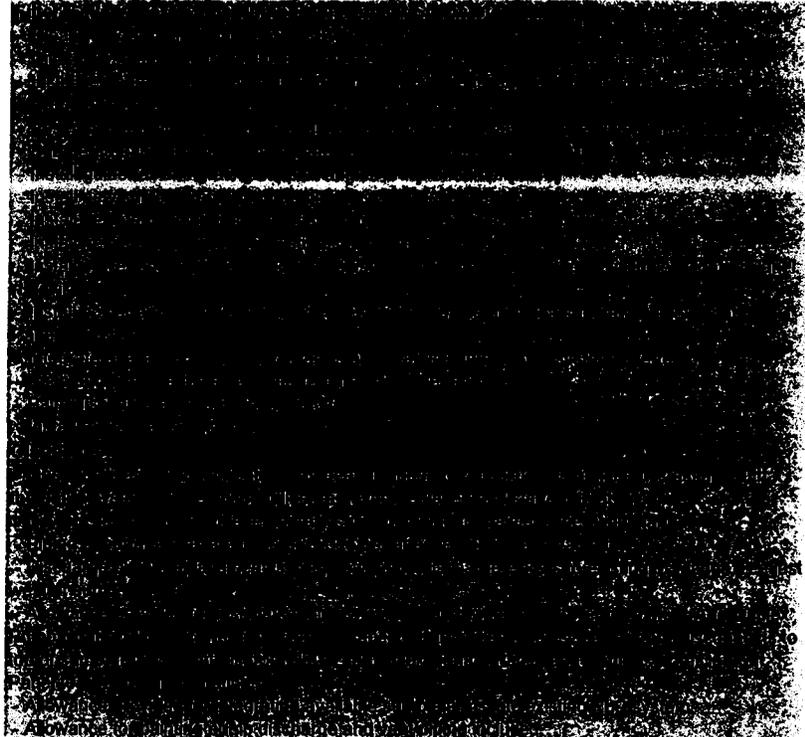
**MGC Construction Inc.**

## Filter Gallery West Sump Pump Cost Breakdown

Contract Type: \_\_\_\_\_  
 Job Order No.: \_\_\_\_\_  
 Job Title: \_\_\_\_\_  
 Location: \_\_\_\_\_

City Project No.: \_\_\_\_\_  
 Contractor's Job No.: \_\_\_\_\_  
 Prepared by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Revision: \_\_\_\_\_

Description of Work to be Performed  
 (supporting information attached):



**SECTION A: LABOR (inclusive of burden)**

Position	Unit	Quantity
Project Manager	Hours	30.0
Project Engineer	Hours	40.0
General Superintendent	Hours	40.0
Superintendent	Hours	81.0
PROJECT ADMINISTRATOR	Hours	0.0
ESTIMATOR	Hours	0.0
CAD Technician	Hours	26.7
Foreman	Hours	81.0
Skilled Tradesman (Journeyman)	Hours	73.0
Skilled Worker (Apprentice)	Hours	49.0
Laborer	Hours	65.0

Labor Cost		Position
Each	Total	Total
\$ 90.00	\$ 2,700.00	\$ 2,700.00
\$ 60.00	\$ 2,400.00	\$ 2,400.00
\$ 90.00	\$ 3,600.00	\$ 3,600.00
\$ 80.00	\$ 6,480.00	\$ 6,480.00
\$ 50.00	\$ -	\$ -
\$ 90.00	\$ -	\$ -
\$ 50.00	\$ 1,333.33	\$ 1,333.33
\$ 53.64	\$ 4,344.84	\$ 4,344.84
\$ 42.42	\$ 3,096.66	\$ 3,096.66
\$ 38.16	\$ 1,869.84	\$ 1,869.84
\$ 24.55	\$ 1,595.75	\$ 1,595.75
		\$ 27,122.70

**SECTION B: EQUIPMENT**

Item	Unit	Quantity
Pickup Truck	Hours	70.0
Supervisor Truck	Hours	121.0
Crane	Hours	32.0
Articulated Boom Lift	Months	2.0

Equipment		Item
Each	Total	Total
\$ 21.00	\$ 1,470.00	\$ 1,470.00
\$ 34.70	\$ 4,198.70	\$ 4,198.70
\$ 129.50	\$ 4,144.00	\$ 4,144.00
\$ 1,600.00	\$ 3,200.00	\$ 3,200.00
		\$ 13,012.70

## City of Glendale Job Order Cost Proposal

CONTRACTOR NAME: \_\_\_\_\_

### Filter Gallery West Sump Pump Cost Breakdown

Contract Type: \_\_\_\_\_  
 Job Order No.: \_\_\_\_\_  
 Job Title: \_\_\_\_\_  
 Location: \_\_\_\_\_

City Project No.: \_\_\_\_\_  
 Contractor's Job No.: \_\_\_\_\_  
 Prepared by: \_\_\_\_\_  
 Date: \_\_\_\_\_

**SECTION C: MATERIALS (see attached breakdowns for further information)**

Item	Unit	Quantity
Site Facilities	LS	1.0
FLYGT CP-3068 Duplex Pump System	LS	1.0
Piping & Appurtenances	LS	1.0
Small Tools 10% of Labor & Burden	LS	1.0

Material		Item
Each	Total	Total
\$ 1,375.00	\$ 1,375.00	\$ 1,375.00
\$ 19,888.00	\$ 19,888.00	\$ 19,888.00
\$ 17,662.10	\$ 17,662.10	\$ 17,662.10
	\$ -	\$ -
\$ 1,738.71	\$ 1,738.71	\$ 1,738.71

**SECTION D: SUBCONTRACTORS & CONSULTANTS**

Company	Description of Work to be Performed (Supporting quote & information attached)	Item Total

OVERHEAD: \_\_\_\_\_

PROFIT: \_\_\_\_\_

Subtotal General Contractor Costs (A+B+C):	\$	81,096.93
O&P (% of A+C):	\$	11,574.32
<b>Total General Contractor Costs including O&amp;P:</b>	<b>\$</b>	<b>92,671.25</b>
Subtotal Subcontractor Costs (D)	\$	-
Profit (5% of D)	\$	-
<b>Total Subcontractor Costs including O&amp;P:</b>	<b>\$</b>	<b>-</b>
<b>TOTAL GC and Subcontractor Costs including O&amp;P:</b>	<b>\$</b>	<b>92,671.25</b>
Insurance Costs @ 1.25%		_____
Bond Costs @ 1.25%		_____
Sales Tax (65% of 9.2%)	\$	5,541.74

**Subtotal Job Cost: \$ 100,529.77**

**ALLOWANCES**

General Allowance	\$	10,000.00
Electrical Allowance	\$	37,000.00
Programming Allowance	\$	7,500.00
Painting Allowance	\$	7,000.00

**TOTAL JOB COST: \$ 162,029.77**

Submitted by:

\_\_\_\_\_  
 Bryan Forster, Project Manager  
 Name, Title

\_\_\_\_\_  
 Friday, June 10, 2016  
 Date

Approved by:

\_\_\_\_\_  
 Name, Title

\_\_\_\_\_  
 Date

Bid: Pyramid Peak WTP - Peristaltic Chemical Feed System Replacements  
 Work Order Breakdown  
 By: B. Forster

#	Description	Info	LABOR					EQUIPMENT	\$ Total For Line
			HRS Craft Supt	HRS Foreman	HRS Skilled Tradesman	HRS Skilled Worker	HRS Laborer	HRS Pickup Supervisor	
1									
2	Caustic System Replacement	4 Pumps Total							
3	Set 1: Caustic Pumps	4 Each							
4	Cleanup & prep work area	Make Safe	2.0	2.0	2.0	2.0	2.0	2.0	\$ 547
5	Demo existing pumps & piping		4.0	8.0	8.0	8.0	8.0	4.0	\$ 1,729
6	Cleanup chemical & prep for install	Spill Kits	0.0	4.0	4.0	0.0	4.0	0.0	\$ 482
7	Set new pumps (4)		3.0	5.0	5.0	5.0	5.0	3.0	\$ 1,138
8	Install new piping & appurtenances	Carbon Steel	70.0	84.0	84.0	84.0	84.0	70.0	\$ 21,366
9	Electrically wire	Ludvik's Scope	12.0	0.0	0.0	0.0	0.0	12.0	\$ 1,376
10	Program	Vertech's Scope	12.0	0.0	0.0	0.0	0.0	12.0	\$ 1,376
11	Test & startup		10.0	10.0	0.0	0.0	10.0	10.0	\$ 1,929
12									
13	Caustic Crossover Piping	1 Each							
14	Cleanup & prep work area	Make Safe	1.0	1.0	1.0	1.0	1.0	1.0	\$ 273
15	Fabricate new piping & appurtenances	Carbon Steel	4.0	8.0	8.0	8.0	8.0	4.0	\$ 1,729
16	Set new supports		2.0	4.0	4.0	0.0	4.0	2.0	\$ 712
17	Install new piping & appurtenances	Carbon Steel	4.0	8.0	8.0	8.0	8.0	4.0	\$ 1,729
18	Test		4.0	4.0	4.0	0.0	4.0	4.0	\$ 941
12									
13	<b>Sodium-Hydroxide (Caustic) Total Column</b>		<b>128.0</b>	<b>138.0</b>	<b>128.0</b>	<b>116.0</b>	<b>138.0</b>	<b>128.0</b>	<b>35,328.1</b>
14	<b>Unit Cost</b>		<b>\$ 80.00</b>	<b>\$ 53.64</b>	<b>\$ 42.42</b>	<b>\$ 38.16</b>	<b>\$ 24.55</b>	<b>\$ 34.70</b>	
15	<b>Sodium-Hydroxide (Caustic) Total Cost \$</b>		<b>\$ 10,240</b>	<b>\$ 7,402</b>	<b>\$ 5,430</b>	<b>\$ 4,427</b>	<b>\$ 3,388</b>	<b>\$ 4,442</b>	<b>\$ 35,328</b>
16									\$ -
17	West Sump Pump Replacement								
18	Set 1: Sump Pump 1	1 Each							
19	Cleanup & prep work area	Make Safe	1.0	1.0	1.0	1.0	1.0	1.0	\$ 273
20	Demo existing pumps & piping		4.0	8.0	8.0	8.0	0.0	4.0	\$ 1,533
21	Install new piping & appurtenances	DI Pipe	24.0	24.0	24.0	24.0	24.0	24.0	\$ 6,563
22	Set new pump (1)		2.0	4.0	4.0	4.0	0.0	2.0	\$ 766
23	Electrically wire	Ludvik's Scope	8.0	0.0	0.0	0.0	0.0	8.0	\$ 918
24	Program	Vertech's Scope	4.0	0.0	0.0	0.0	0.0	4.0	\$ 459
25	Test & startup		4.0	4.0	0.0	0.0	4.0	4.0	\$ 772
26	Set 2: Sump Pump 2	1 Each							
27	Install new piping & appurtenances	DI Pipe	8.0	8.0	8.0	8.0	8.0	8.0	\$ 2,188
28	Set new pumps (1)		2.0	4.0	4.0	4.0	0.0	2.0	\$ 766
29	Electrically wire	Ludvik's Scope	8.0	0.0	0.0	0.0	0.0	8.0	\$ 918
30	Install new Lid on Sump		4.0	8.0	8.0	0.0	8.0	4.0	\$ 1,424
31	Install new Vent Piping & appurtenances	NH Pipe	8.0	16.0	16.0	0.0	16.0	8.0	\$ 2,847
32	Test & startup		4.0	4.0	0.0	0.0	4.0	4.0	\$ 772
33									
34	<b>West Sump Pump Total Column</b>		<b>81.0</b>	<b>81.0</b>	<b>73.0</b>	<b>49.0</b>	<b>65.0</b>	<b>81.0</b>	<b>\$ 20,198</b>
35	<b>Unit Cost</b>		<b>\$ 80.00</b>	<b>\$ 53.64</b>	<b>\$ 42.42</b>	<b>\$ 38.16</b>	<b>\$ 24.55</b>	<b>\$ 34.70</b>	
36	<b>West Sump Total Cost \$</b>		<b>\$ 6,480</b>	<b>\$ 4,345</b>	<b>\$ 3,097</b>	<b>\$ 1,870</b>	<b>\$ 1,596</b>	<b>\$ 2,811</b>	<b>\$ 20,198</b>
37	<b>Grand Total Column</b>		<b>209.0</b>	<b>219.0</b>	<b>201.0</b>	<b>165.0</b>	<b>203.0</b>	<b>209.0</b>	<b>55,525.9</b>
38	<b>Unit Cost</b>		<b>\$ 80.00</b>	<b>\$ 53.64</b>	<b>\$ 42.42</b>	<b>\$ 38.16</b>	<b>\$ 24.55</b>	<b>\$ 34.70</b>	
39	<b>Grand Total Cost \$</b>		<b>\$ 16,720</b>	<b>\$ 11,747</b>	<b>\$ 8,526</b>	<b>\$ 6,296</b>	<b>\$ 4,984</b>	<b>\$ 7,252</b>	<b>\$ 55,526</b>

**City of Glendale  
Pyramid Peak WTP - Peristaltic Chemic Feed System Replacements  
Equipment and Piping Takeoff**

Item #	Description	Size	Quantity	Unit	Cost Each	Total	Notes
<b>Sodium-Hydroxide Chemical System (3 Skids, 4 Pumps)</b>							
1	Suction Piping (1 Skid, 1 Pumps)						
2	CS Pipe, Schedule 40 Seamless	1"	20	LF	\$ 1.59	\$ 31.80	
3	Flange WN CS 150	1"	9	Ea	\$ 5.00	\$ 45.00	
4	Flange WN CS 150, Blind	1"	1	Ea	\$ 10.00	\$ 10.00	
5	SS Nut, Bolt, EPDM Gasket Kits for Flanges	1"	10	Ea	\$ 15.94	\$ 159.40	
6	90 Elbow CS BW, Schedule 40 Seamless	1"	4	Ea	\$ 6.57	\$ 26.28	
7	Tee CS BW, Schedule 40 Seamless	1"	2	Ea	\$ 13.55	\$ 27.10	
8	Plug Valve CS w/ PTFE BW	1"	4	Ea	\$ 274.85	\$ 1,099.40	Durco G4 CS 150#Fly Plug Valve w/Leve
9	Reducer CS BW, Schedule 40 Concentric Seamless	1" x 3/4"	1	Ea	\$ 14.70	\$ 14.70	
10	Pipe Nipple CS, Schedule 40 Seamless	3/4" x 6"	1	Ea	\$ 6.74	\$ 6.74	
11	Check Valve, Threaded	1"	1	Ea	\$ 150.00	\$ 150.00	
12	Calibration Column	3/4"	1	Ea	\$ 846.00	\$ 846.00	4000ml
13	Cap CS BW, Schedule 40 Seamless	1"	1	Ea	\$ 3.85	\$ 3.85	
14	Half Coupling CS BW, Schedule 40 Seamless	1/2"	1	Ea	\$ 1.75	\$ 1.75	
15	Threaded Plug CS	1/2"	1	Ea	\$ 1.75	\$ 1.75	
16	Tube Connector	1/2"	2	Ea	\$ 30.00	\$ 60.00	Flomotion #050N2498PE
17	Tubing Seal	1/2"	1	Ea	\$ 22.00	\$ 22.00	Flomotion #100334
18	Pump Tubing	3/8"	1	Ea	\$ 125.00	\$ 125.00	Flomotion #FLO.096.024
19	Barb and Collar Set	3/8"	2	Ea	\$ 20.00	\$ 40.00	Flomotion
20	Chemical Specific Pipe Labels & Flow Arrows	N/A	1	LS	\$ 250.00	\$ 250.00	Grainger
21	Certified Welds	1"	36	LS	\$ 22.72	\$ 817.98	
22					<b>Suction Piping Sub-Total</b>	<b>\$ 3,736.76</b>	
<b>Discharge Piping (1 Skid, 1 Pumps)</b>							
23	CS Pipe, Schedule 40 Seamless	1"	20	LF	\$ 1.59	\$ 31.80	
24	Cap CS BW, Schedule 40 Seamless	1"	1	Ea	\$ 3.85	\$ 3.85	
25	Half Coupling CS BW, Schedule 40 Seamless	1/2"	1	Ea	\$ 1.75	\$ 1.75	
26	90 Elbow CS BW, Schedule 40 Seamless	1"	9	Ea	\$ 6.57	\$ 59.13	
27	45 Elbow CS BW, Schedule 40 Seamless	1"	1	Ea	\$ 5.22	\$ 5.22	
28	Tee CS BW, Schedule 40 Seamless	1"	4	Ea	\$ 13.55	\$ 54.20	
29	Flange WN CS 150	1"	7	Ea	\$ 5.00	\$ 35.00	
30	SS Nut, Bolt, EPDM Gasket Kits for Flanges	1"	7	Ea	\$ 17.72	\$ 111.58	
31	Flange SCH80 CPVC Vanstone	1"	1	Ea	\$ 17.72	\$ 17.72	
32	Plug Valve CS w/ PTFE BW	1"	3	Ea	\$ 274.85	\$ 824.55	Durco G4 CS 150#Fly Plug Valve w/Leve
33	Reducer CS BW, Schedule 40 Concentric Seamless	1" x 1/2"	4	Ea	\$ 11.13	\$ 44.52	
34	CS Pipe, Schedule 40 Seamless	1/2"	20	Lf	\$ 0.82	\$ 16.40	
35	Plug Valve CS w/ PTFE BW	1/2"	3	Ea	\$ 209.00	\$ 627.00	Durco G4 CS 150#Fly Plug Valve w/Leve
36	Flange WN CS 150	1/2"	8	Ea	\$ 8.11	\$ 64.88	
37	SS Nut, Bolt, EPDM Gasket Kits for Flanges	1/2" x 6"	7	Ea	\$ 12.78	\$ 89.46	
38	Pipe Nipple CS, Schedule 40 Seamless	1/2"	2	Ea	\$ 515.00	\$ 1,030.00	Flomotion #BA500S
39	Backpressure Regulator	1/2"	1	Ea	\$ 1,450.00	\$ 1,450.00	
40	Pressure Gauge Setup	1/2"	1	Ea	\$ 350.00	\$ 350.00	
41	Misc. Pipe Support Brackets & PVC Leak Detection Back Panel	N/A	1	LS	\$ 400.00	\$ 400.00	
42	Pump Setup	N/A	1	LS	\$ 400.00	\$ 400.00	
43	Chemical Specific Pipe Labels & Flow Arrows	N/A	1	LS	\$ 250.00	\$ 250.00	Grainger
44	Certified Welds	1"	73	LS	\$ 22.72	\$ 1,658.68	
45					<b>Discharge Piping Sub-Total</b>	<b>\$ 7,150.66</b>	
46					<b>Sodium-Hydroxide (Caustic) System per Pump Sub-Total</b>	<b>\$ 10,889.41</b>	
47							

**City of Glendale  
Pyramid Peak WTP - Peristaltic Chemic Feed System Replacements  
Equipment and Piping Takeoff**

Item #	Description	Size	Quantity	Unit	Cost Each	Total	Notes
48	Standby Pumping Crossover Piping						
49	CS Pipe, Schedule 40 Seamless	1"	40	LF	\$ 1.59	\$ 63.60	
50	90 Elbow CS BW, Schedule 40 Seamless	1"	5	Ea	\$ 6.57	\$ 32.85	
51	Tee CS BW, Schedule 40 Seamless	1"	5	Ea	\$ 13.55	\$ 67.75	
52	Plug Valve CS w/ PTFE BW	1"	3	Ea	\$ 274.85	\$ 824.55	Durco G4 CS 150#Flg Plug Valve w/Leve
53	Flange WN CS 150	1"	6	Ea	\$ 5.00	\$ 30.00	
54	SS Nut, Bolt, EPDM Gasket Kits for Flanges	1"	6	Ea	\$ 15.94	\$ 95.64	
53	Misc. Pipe Support Brackets	N/A	1	LS	\$ 450.00	\$ 450.00	
54	Certified Welds	1"	37	LS	\$ 22.72	\$ 1,249.69	
55				Standby Pumping Crossover Piping Sub-Total	\$	\$ 2,814.08	
56				Sodium-Hydroxide (Caustic) System Piping Sub-Total	\$	\$ 2,814.08	
57				Sodium-Hydroxide (Caustic) System (3 Skids) Sub-Total	\$	\$ 46,371.71	

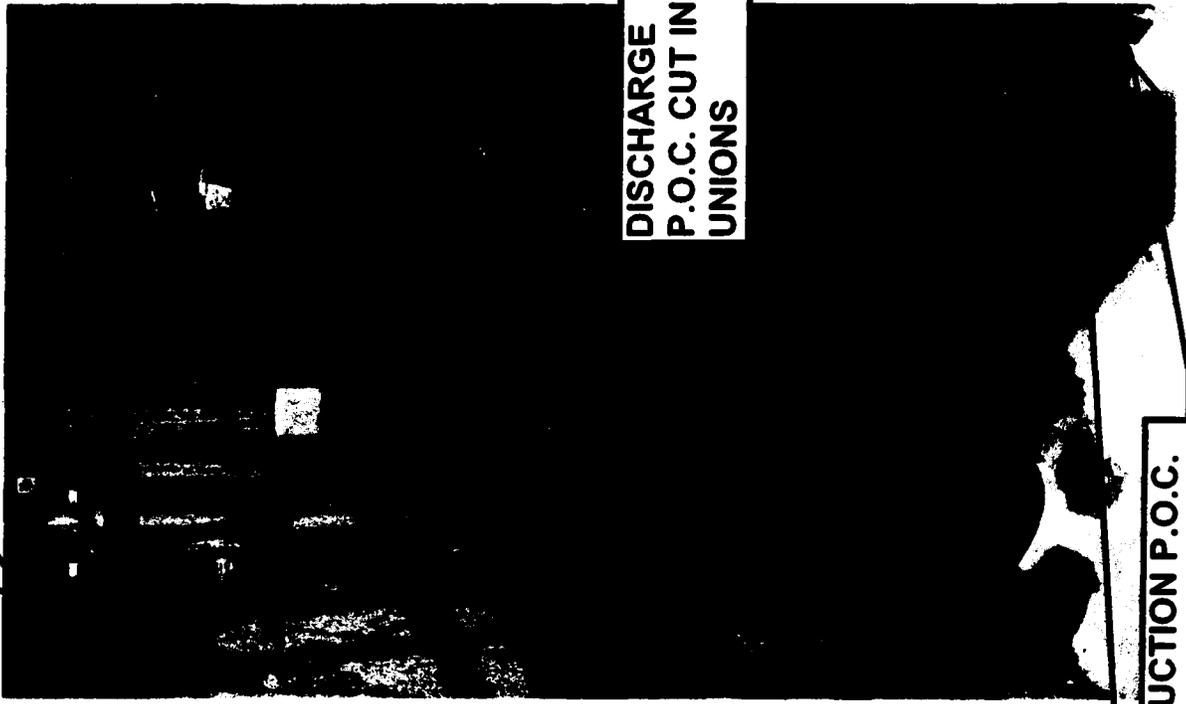
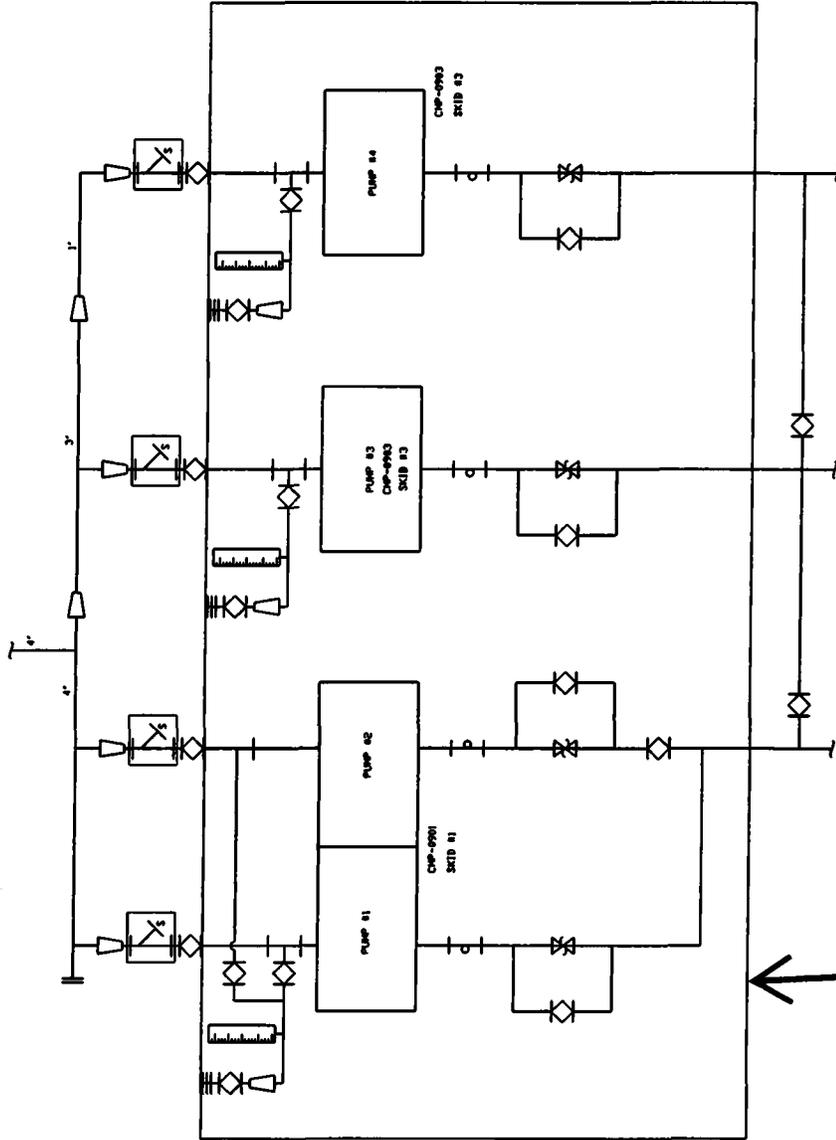
**City of Glendale  
Pyramid Peak WTP - Peristaltic Chemic Feed System Replacements  
Equipment and Piping Takeoff**

Item #	Description	Size	Quantity	Unit	Cost Each	Total	Notes
58	Sump Discharge Piping						
59	Dielectric Nipple	2"	4	EA	\$ 31.00	\$ 124.00	
59	45 Elbow, SS304	2"	2	EA	\$ 9.00	\$ 18.00	
60	Reducer, SS304	3"x2"	2	EA	\$ 20.00	\$ 40.00	
61	Companion Flange, SS304	3"	2	EA	\$ 32.00	\$ 64.00	
62	45 Elbow, DI, P401, Flanged	3"	2	EA	\$ 160.00	\$ 320.00	
62	Ductile Iron Spool, P401, Flg x Flg, 12'-6"	3"	2	EA	\$ 840.00	\$ 1,680.00	
63	Ball Check Valve, Flanged	3"	2	EA	\$ 515.00	\$ 1,030.00	
64	Gate Valve, CI, Flanged	3"	2	EA	\$ 522.00	\$ 1,044.00	
65	Ductile Iron Spool, P401, Flg x Flg, 6"	3"	1	EA	\$ 134.00	\$ 134.00	
66	Ductile Iron Spool, P401, Flg x Flg, 8"	3"	1	EA	\$ 134.00	\$ 134.00	
67	45 Elbow, DI, P401, Flanged	3"	3	EA	\$ 160.00	\$ 480.00	
68	Ductile Iron Spool, P401, Flg x Flg, 1'-6"	3"	3	EA	\$ 164.00	\$ 492.00	
69	Reducer, DI, P401, Flanged	4"x3"	2	EA	\$ 138.00	\$ 276.00	
70	Wye, DI, P401, Flanged	4"	1	EA	\$ 238.00	\$ 238.00	
71	Ductile Iron Spool, P401, Flg x Flg, 6"	4"	1	EA	\$ 128.00	\$ 128.00	
72	90 LR Elbow, DI, P401, Flanged	4"	5	EA	\$ 209.00	\$ 1,045.00	
73	Ductile Iron Spool, P401, Flg x Flg, 18'-6"	4"	2	EA	\$ 893.00	\$ 1,786.00	
74	Ductile Iron Spool, P401, Flg x Flg, 12'-6"	4"	1	EA	\$ 630.00	\$ 630.00	
75	Ductile Iron Spool, P401, Flg x Flg, 1'-6"	4"	3	EA	\$ 149.00	\$ 447.00	
76	Reducer, DI, P401, Flanged	6"x4"	1	EA	\$ 212.00	\$ 212.00	
77	90 LR Elbow, DI, P401, Flanged	6"	1	EA	\$ 348.00	\$ 348.00	
78	Gasket, EPDM, FF	3"	16	EA	\$ 1.60	\$ 25.60	
79	Gasket, EPDM, FF	4"	16	EA	\$ 3.50	\$ 56.00	
80	Gasket, EPDM, FF	6"	2	EA	\$ 4.25	\$ 8.50	
81	Flange Nut & Bolt Kit, SS304	3"	16	EA	\$ 5.00	\$ 80.00	
82	Flange Nut & Bolt Kit, SS304	4"	16	EA	\$ 12.00	\$ 192.00	
83	Flange Nut & Bolt Kit, SS304	6"	2	EA	\$ 20.00	\$ 40.00	
84	Pump Setup	N/A	2	LS	\$ 400.00	\$ 800.00	
85	Pump Base Plates	N/A	2	LS	\$ 1,550.00	\$ 3,100.00	
86	Pipe Labels & Flow Arrows	N/A	1	LS	\$ 120.00	\$ 120.00	Greiner
87							
87	Sump Vent Piping				Discharge Piping Sub-Total	\$ 14,764.10	
88	No-Hub Pipe, CI	3"	140	LF	\$ 6.07	\$ 849.80	
87	90 Elbow, NH, CI	3"	10	EA	\$ 13.50	\$ 135.00	
88	45 Elbow, NH, CI	3"	6	EA	\$ 11.15	\$ 66.90	
84	No-Hub Coupling, Husty	3"	30	EA	\$ 11.00	\$ 330.00	
85	Riser Clamp	3"	3	EA	\$ 5.00	\$ 15.00	
84	Clevis Hangers, Rods, Anchors Setup	N/A	16	LS	\$ 65.00	\$ 1,040.00	
87	Core Drill	8"	3	LS	\$ 200.00	\$ 600.00	
88	Link Seal	3"x8"	7	EA	\$ 16.24	\$ 113.68	
86	Chemical Specific Pipe Labels & Flow Arrows	N/A	1	LS	\$ 250.00	\$ 250.00	
87					Sump Vent Piping Sub-Total	\$ 3,400.38	
88	Sump Cover						
89	Aluminum Cover with Support Angle	N/A	1	LS	\$ 1,748.00	\$ 1,748.00	
90	Additional Framing for Pump Rail Supports	N/A	1	LS	\$ 650.00	\$ 650.00	
91	Anchors	N/A	1	LS	\$ 500.00	\$ 500.00	

**City of Glendale  
Pyramid Peak WTP - Peristaltic Chemic Feed System Replacements  
Equipment and Piping Takeoff**

Item #	Description	Size	Quantity	Unit	Cost Each	Total	Notes
92						\$ 2,898.00	
93						\$ 17,662.10	
				Sump Cover Sub-Total		\$ 2,898.00	
				Duplex Sump Pump System Sub-Total		\$ 17,662.10	

**EXISTING SODIUM-HYDROXIDE (CAUSTIC) SYSTEM  
AND POINT OF CONNECTION 'P.O.C.' OF REPLACEMENT  
SYSTEM**



ENT P.O.C.

DISCHARGE  
P.O.C. CUT IN  
UNIONS

SUCTION P.O.C.  
AT FLANGE

GATE VALVE  
NOT REPLACED

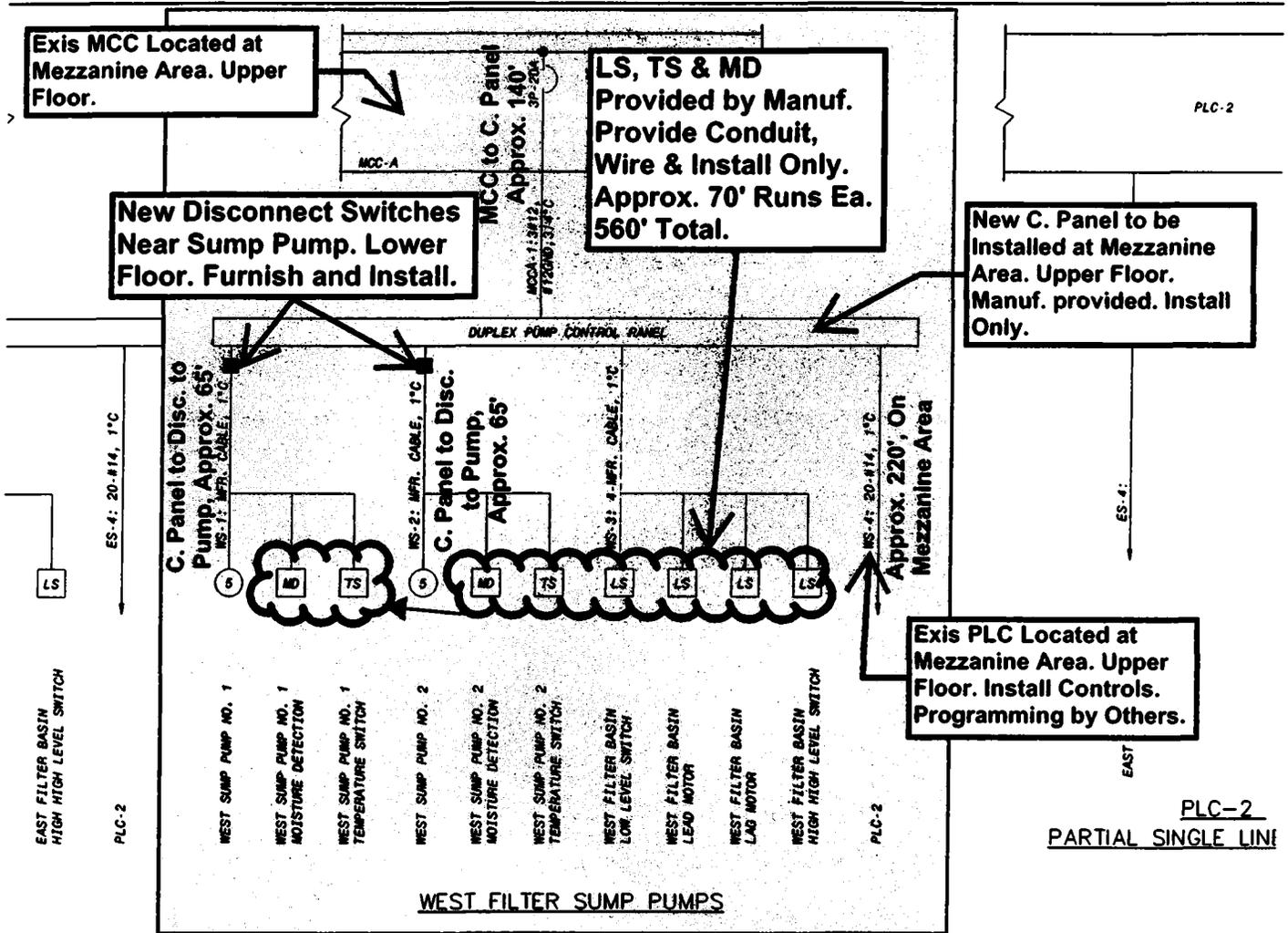
REDLINE  
INDICATES  
REPLACEMENT  
BOUNDARY

**WEST SUMP PUMP DISCHARGE PIPING POINT OF CONNECTION 'P.O.C.' OF REPLACEMENT SYSTEM**



West Sump Pump Discharge  
Piping Termination Point.

# PRELIMINARY WEST FILTER AREA SUMP PUMP ELECTRICAL PLAN



## ENGINEERING SERVICES AGREEMENT

This Agreement (Agreement), effective \_\_\_\_\_ 2016, is by and between MGC Contractors Inc., a corporation organized under the laws of the State of Arizona ("Client") and Black & Veatch Corporation, a Delaware corporation ("Engineer"). Engineer shall perform the services described in Attachment A--Scope of Services (Services) with regard to the Pyramid Peak WTP JOC project (Project) and payment shall be due and payable upon receipt in accordance with Attachment B--Compensation. Payments due Engineer under this Agreement shall be electronically transferred either by ACH, specifically in CCD+ or CTX format, or wire transfer to the bank account and in accordance with the bank instructions identified in Engineer's most recent invoice in immediately available funds no later than the payment due date. Invoice number and project name shall be referenced in the bank wire reference fields or the ACH addenda information. In the event that such electronic funds transfer methods are not available to Client, then payments due Engineer under this Agreement shall be made by check and mailed to the PO Box identified in the remittance instructions on the Engineer's most recent invoice. The Remittance Advice document shall be mailed with the check to the PO Box.

1. Engineer warrants that it shall perform the Services in accordance with the standards of care and diligence normally practiced by recognized engineering firms in performing services of a similar nature. If, during the six month period following the earlier of completion or termination of the Services it is shown there is an error in the Services caused solely by Engineer's failure to meet such standards, and Client has promptly notified Engineer in writing of any such error within that period, Engineer shall perform, at Engineer's cost, such corrective engineering services within the original Scope of Services as may be necessary to remedy such error. The liabilities, obligations, warranties, and remedies of the parties are exclusively those expressly set forth in this Agreement, and in lieu of any others available at law or otherwise. Indemnities against, releases from, and limitations on liability, and limitations on remedies expressed in this Agreement, as well as waivers of rights, including, but not limited to, subrogation rights, shall apply even in the event of the fault, tort (including negligence), strict liability or other basis of legal liability by the party indemnified or released or whose liability is limited or allocated to the party giving the indemnity, or against whom remedies have been limited.

2. Engineer shall maintain in force, during the period that Services are performed, workers' compensation insurance in accordance with the laws of the states having jurisdiction over Engineer's employees who are engaged in the Services and employer's liability insurance with a limit of \$100,000 each occurrence. Engineer also shall maintain commercial general liability insurance with a limit of \$1,000,000 per occurrence and in the aggregate; automobile liability insurance with combined single limit of \$1,000,000; and professional liability insurance with a per occurrence and aggregate limit of \$1,000,000. Client shall require all Project contractors under contract with Client to include Client and Engineer as additional insureds on their general, automobile, excess and umbrella liability insurance policies. Further, Client shall obtain and maintain for the benefit of Engineer the same indemnities, insurance benefits, and waivers of subrogation rights obtained for the protection of Client from any construction contractor and

subcontractor working on the Project and shall obtain from that contractor and subcontractor insurance certificates evidencing the required coverages.

3. Engineer shall indemnify Client against any and all claims, demands and causes of action for bodily injury to or death of persons or for damage to or destruction of property (other than property of Client or construction work in progress, for which Client shall have responsibility) resulting solely from any and all negligent physical acts of Engineer while at Client's facility. The parties hereby waive all claims for property damage against the other, however, such damages may be caused, including without limitation the negligence or fault of the other party, and shall require their insurers to waive subrogation rights against the other party under any applicable policy of property insurance.

4. In performance of the Services, it is understood that Engineer may be supplied with certain information and/or data by Client and/or others, and that Engineer will rely on such information. It is agreed that the accuracy of such information is not within Engineer's control and Engineer shall not be liable for its accuracy, nor for its verification.

5. Client may, with or without cause, terminate the Services at any time upon ten working days written notice to Engineer. In such case, Engineer shall be paid costs incurred and fees earned to the date of termination and through demobilization and neither party shall be entitled to any other compensation or damages from the other.

6. Client may audit and inspect Engineer's records and accounts covering reimbursable costs for a period of six months following the completion of Engineer's Services. The purpose of any such audit shall be only for verification of such costs. Engineer shall not be required to keep records of or provide access to those of its costs.

7. Engineer does not guarantee that proposals, bids or actual project costs will not vary from Engineer's opinions of probable cost or that actual schedules will not vary from Engineer's projected schedules. Engineer shall not be responsible for: (1) construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the Project; (2) the failure of any contractor, subcontractor, vendor, or other Project participant, not under contract to Engineer, to fulfill contractual responsibilities to the Client or to comply with federal, state, or local laws, regulations, and codes; or (3) procuring permits, certificates, and licenses required for any construction unless such responsibilities are specifically assigned to Engineer in Attachment A, Scope of Services.

8. Neither party shall be responsible or held liable to the other party for special, indirect, incidental, punitive, exemplary, or consequential damages, or for loss of profit, investment, product, use, goodwill, opportunity, or revenue; business interruption; cost of capital or replacement goods, services, facilities or power; governmental and regulatory sanctions; and claims of customers for all such damages; whether arising under breach of contract or warranty, tort, strict liability, indemnity, or any other theory of legal liability. Engineer's total aggregate liability to Client under this Agreement whether arising under breach of warranty or contract, tort, strict liability, indemnity, or any other theory of legal liability, shall not exceed the compensation actually received by Engineer under this Agreement.

9. Except for Client's obligation to make payments, neither party shall be in default hereunder to the extent such default is caused by a cause or circumstance beyond such party's reasonable control. Engineer shall be entitled to an equitable adjustment in schedule and compensation in the event such circumstances occur.

10. Client hereby agrees that Engineer may subcontract portions of the Services to its related or affiliated entities.

This Agreement and the attached Attachments constitute the entire Agreement. No other representations of any kind, oral or otherwise, shall have any effect. This Agreement shall be governed by the laws of the state of Kansas, without giving effect to principles thereof resulting in the application of the laws of another jurisdiction as governing law.

\_\_\_\_\_ (Client) Black & Veatch Corporation (Engineer)

By: \_\_\_\_\_ By: \_\_\_\_\_

Date: \_\_\_\_\_ Date: \_\_\_\_\_



## EXHIBIT A - Scope of Services

### Pyramid Peak WTP Miscellaneous Improvements

MGC has been asked to provide Job Order Contracting (JOC) construction services to the City of Glendale for miscellaneous improvements at the Pyramid Peak Water Treatment Plant (PPWTP). This Scope of Work defines the services Black & Veatch will provide to MGC in support of their JOC with the City of Glendale. The scope of work is for engineering evaluation and design tasks for the following improvements:

- **West Filter Gallery Sump Pump Improvements**
  - Evaluate venting requirements per applicable City of Phoenix Plumbing Code.
  - Provide schematic drawings for new duplex submersible sump pump system to replace the existing vertical sump pumps installed in the West Filter Gallery sump. The design will include an evaluation of sizing of the new pumps to ensure sizing is appropriate for the flowrates into the sumps and the sump volumes assuming level based lead-lag pump operations.
  - The schematic design will include discharge piping and valves, pipe supports, access hatch for pump removal, provisions for manually hoisting the pumps, a vent line (if required), and electrical and instrumentation & controls. New control panels for the sump pumps will be located per electrical code. West Sump Pump system will be designed to send High and High High Water Level Alarms to the plant control system. Key requirements for sump pumps will be included in the drawing notes.
  - Assumptions
    1. Sufficient conduit exists for power and I&C signals, and new conduit will only be provided between current power / control panel supply interface to new panel location.
    2. Adequate number of I/O landing points is available and no replacement of plant monitoring system is required.
    3. No permitting through City of Phoenix Annual Facilities Program
    4. Sample sink flows will be rerouted to waste backwash water pipe and not to the West Sump.
    5. New sump cover with access hatch to be provided by pump manufacturer.
  - Exclusions
    1. Control panel programming will be by others (Vertech)
    2. Submittals to City of Phoenix Annual Facilities Program
    3. AutoCAD drawings for installation and "conformed to construction" documentation by JOC
    4. Start-up assistance and/or observation and/or testing assistance
    5. Special inspections
    6. Inspections for and developing punchlist for completion
    7. Conformed to Construction Drawings
    8. Review of O&M Manuals; incorporation into the City's Asset Management and tagging systems
    9. Design of temporary pumping facilities
- **Caustic Feed System Improvements**
  - Schematic drawings for replacement of the existing caustic pumps and piping / valves between the storage tank discharge manifold to the pump discharge manifold. The

design will include an evaluation of the sizing of the new, City supplied pumps in comparison to future caustic feed requirements identified in Technical Memorandum 4 PPWTP Improvements – Preliminary Design Requirements.

- The schematic design will include piping, valves, pulsation dampeners (if required), sizing of calibration columns, evaluation of the supplied pumps' suction lift, confirm the existing power supply, and provisions for future pump discharge flowmeters for locations discharging to the filtered water.
- Assumptions
  1. Monitoring / Control programming, including control descriptions and reprogramming for dosage control or any pH based feedback loop by Vertech
  2. Sufficient conduit exists for power and I&C signals, and new conduit will only be provided between current power / control panel supply interface to new panel location.
  3. Adequate number of I/O landing points is available and no replacement of plant monitoring system is required.
  4. No permitting through City of Phoenix Annual Facilities Program
- Exclusions
  1. Control panel programming will be by others (Vertech)
  2. Submittals to City of Phoenix Annual Facilities Program
  3. AutoCAD drawings for installation and "conformed to construction" documentation by JOC
  4. Electrical and I&C design due to incompatibility between existing and required new power, monitoring and control systems.
  5. Start-up assistance and/or observation and/or testing assistance.
  6. Special inspections
  7. Inspections for and developing punchlist for completion.
  8. Dimensional plans, sections, isometric drawings showing planned pipe routing, pumps, number, location and type of pipe supports, and accessories.
  9. Conformed to Construction Drawings
  10. Review of O&M Manuals; incorporation into the City's Asset Management and tagging systems

Specifications will be provided as indicated below with other components specified through drawing notes. This design effort is based on all equipment anchorage being sized by the equipment (sump pump, control panel, etc.) manufacturer.

#### Task 1 – Gather Information and Perform Field Investigations

B&V will verify with MGC and Plant Operators typical drainage flowrates to each of the sumps where pumps will be replaced, existing discharge pipe sizes and pipe routing, and the capacity of the existing sump pumps for use in confirming the final sump pump sizes. The new sump pumps will have capacities greater than or equal to the existing sump pumps. As-Built drawings for the west sump indicate a 4" combined discharge. This design effort is based on replacing piping from the discharge of the West Filter Gallery Sump Pumps through to the connection with the existing 6" PD piping tee within the Filter Gallery. The existing west sump pump installation will be reviewed to determine installation location for the new local control panel and the sump pump hoisting equipment.

**Task 2 – Prepare Schematic Drawings**

B&V will prepare schematic drawings for Preliminary Design and Final Construction. An internal QA/QC review will be performed on the deliverables. Five copies of 11 x 17 drawings and 8.5 x 11 specifications Preliminary documents will be provided to MGC / Glendale for review. Review comments will be incorporated into the Final Construction documents as required. Schematic drawings will be created using Adobe pdf files of existing plans.

**Drawings**

The following are the drawings to be provided with this scope of services.

- CIVIL/MECHANICAL/ PLANS AND SECTIONS SKETCH -1
- CIVIL/MECHANICAL/ PLANS AND SECTIONS SKETCH -2
- CIVIL/MECHANICAL DETAILS AND SECTIONS SKETCH
- ELECTRICAL STANDARD LEGEND & SYMBOLS
- ELECTRICAL PLAN SKETCH – WEST SUMP PUMPS
- ELECTRICAL PLAN SKETCH– MCC-2, PLC-2
- PARTIAL SINGLE LINE DIAGRAMS –WEST SUMP PUMPS, PLC-2
- ELECTRICAL DETAILS

**Specifications**

The following are the Specification sections included with this scope of services.

- 03600 – Grouting
- 05550 – Anchorage in Concrete
- 16050 – Electrical

**DELIVERABLE:** Preliminary Schematic Design and Final Schematic Construction documents. Final Schematic Construction documents will be signed and sealed by a professional engineer suitable for JOC Improvements project.

**Task 3 – Construction Phase Services**

Construction Phase Services are listed below. Up to four (4) site visits will be made by B&V professionals during the construction period.

**A. Shop Drawing submittal review**

The following shop drawing submittals will be reviewed:

- Duplex Sump Pump System
- Piping and valves
- Electrical (disconnects, conduit, wire, connectors)
- Coatings
- Pipe supports
- Anchorage
- AutoCAD Drawings by JOC for installation
- Caustic Piping and Valves
- Caustic accessories, pulsation dampeners (if required), calibration columns

- B. Provide clarifications of the drawings. Up to six (6) Request for Information (RFIs) are anticipated. No change order reviews are included in this scope of work.

#### **Task 5 – Project Management**

This task includes coordination with MGC and Consultant's internal project management. The work associated with project management will include:

- Coordination and communication with MGC.
- Attendance at JOC related meetings such as project kick-off, design review meetings, and field site visits. Up to four (4) meetings total are anticipated during design and construction.
- Prepare progress invoices for services on a monthly basis.

MGC is responsible for all meeting minutes. Consultant will review meeting minutes and provide comments to MGC.

#### **Project Deliverables**

- Schematic Design Documents
  - Preliminary Design documents
  - Final Construction documents

#### **Allowances**

All allowances described below will not be performed until authorized by MGC.

#### **Engineering Allowance:**

An additional allowance is provided for miscellaneous tasks. Such tasks could include, but are not limited to:

- Sample sink drainage investigation
- Sump cover detailed design if not provided by pump manufacturer
- Sump curb and trench drain modifications for West Filter Gallery Sump to meet Plumbing Code
- Programming associated with taking the West Sump Pump High and High High Water Alarm to the plant control system.



August 24, 2016

Page 1 of 2

Reference: Pyramid Peaks WTP Peristaltic Pump Replacement Project

Subject: **ELECTRICAL BID SCOPE/PROPOSAL REVISION 1**

We submit our proposal for the Electrical and Instrumentation work per the site walk in April, 2016 for the modifications to existing control panels (using owner provide components) as follows :

a. Modifications to Alum Sulfate Pumps Control Panels CMP-01 thru CMP-05	\$11,900.00
→ b. Modifications to Caustic Pumps Control Panels CMP-0902 thru CMP-0903	\$ 5,900.00 ←
c. Modifications to Ferric Chlorite Metering Pumps Control Panels 01 thru 05	\$11,900.00
d. Modifications to Coagulant Aid Polymer Pumps Control Panels CMP-0701 thru CMP-0704	\$ 9,900.00
e. Modifications to TWO (2) Flouride Pumps Control Panels CMP-0601 and CMP-0602	\$ 5,900.00
<b>Total Electrical Bid Amount</b>	<b>\$45,400.00</b>

The estimated portion of our Bid Amount, which qualifies for the State of Arizona Water Process and Distribution Tax Exemption (if applicable to this project) is: **\$ TO FOLLOW**

**Option: ADD \$ XX% for Performance and Payment Bonds, if required.**

**EXCLUSIONS:**

1. Taxes, permits, utility company costs and fees.
2. Temporary lighting and power. To be provided on a T&M basis if required.
3. Removal of refuse and spoils from site. We will stockpile spoils at a designated jobsite location and deposit refuse in your dumpster.
4. Demolition.
5. Unloading, storing, and setting of equipment we do not furnish.
6. Process and mechanical connections, piping, tubing, fittings, valves, spools, etc.
7. Insulation, mechanical piping, ductwork, and louvers for generators.
8. Programming.
9. Any and all conduit, wire, cable and other work from the location of the modified control panels back to their existing power and control sources. Our scope of work is only associated with modifications of the existing control panels and connections to new pumps and associated items on the pump pads.
10. Pumps
11. Field devices and instrumentation.



1020 E. University Drive, Phoenix, AZ 85034-6512 • Telephone (602) 777-5000 • Fax (602) 258-0782

AZ Licenses: 088575 (C-11); 127121 (A-17)

**CLARIFICATIONS:**

1. Overtime or multiple shifts should not be necessary and are not included.
2. Painting, bollards and toilet facilities are not included.
3. This proposal is based upon all parts and components for the modifications to the existing control panels to be provided by others and installed by Ludvik Electric Co.
4. This proposal does not include UL and/or NRTL field evaluations. If required, this would be an additional cost to this proposal.
5. Prior to any work starting a schematic is required showing what modifications are required for the control panels.
6. Upon completion of this project as-built drawings shall be provided for the modified control panels.
7. On August 23, 2016 MGC Contractors asked Ludvik Electric Company to include two (2) additional fluoride pumps to our scope of work. Per MGC Contractors on August 24, 2016 the electrical scope for these two pumps was the same as for all of the other pumps and this is what our revised proposal is based on.

This proposal is submitted for a mutually agreeable subcontract and schedule. It is valid for award within 90 calendar days. Please contact us at 602-777-5000 with any questions or for additional information.

Sincerely,  
**LUDVIK ELECTRIC CO.**

Jason H. Lipsky  
Project Manager





QUOTE

August 24th 2016

Bryan Forster  
MGC Contractors  
4110 East Elwood Street  
Phoenix, AZ 85040

Quote #: Q160198



Thank you for the opportunity to quote the Dosing VFD integration at the City of Glendale's Pyramid Peak site. Vertech will provide a controls engineer familiar with the site and VFD programming to integrate the 4 Caustic dosing VFDs slated for replacement and tie them into the cities SCADA system



The following services will be provided:

1.0	Flowmotion Peristaltic Pump Integration into SCADA	\$ 12,360.00
[REDACTED]		
	** Cost includes Project Management time, Travel Time and Mileage**	

1. The following is not provided:

- Any permits or other governmental fees required for physical installation of any equipment
- Sales, use or TPT tax as may be required by law
- Additional hardware required to accommodate any changes requisitions during the course of designing or building the system
- Any services or hardware not specified by this proposal document

- Net 30 days. FOB Origin
- Pricing is good for 60 days from date of this proposal.
- Estimated Lead time: 8-12 Weeks. Please reconfirm lead time at time of order.
  - *Lead time subject to change based on Vertech's resource availability at time of order.*

Contact **Robert Simpson** with any questions regarding this proposal or to place an order:

Robert Simpson  
480.756.2300 Office  
480.231.9062 Mobile  
bsimpson@verttech.com



August 5, 2016

Kary Environmental Services, Inc. Proposal Number: 161316

Bryan Forster  
**MGC Contractors**  
 602-695-3652 C  
 602-437-5000 O  
[bryanf@mgccontractors.com](mailto:bryanf@mgccontractors.com)

**RE: PROPOSAL FOR DISPOSAL OF WASTE AND CHEMICALS FROM FACILITY IN GLENDALE AZ**

**SCOPE OF WORK**

Provide labor, equipment, materials, transportation and disposal of waste and chemicals from facility in Glendale AZ. The project is estimated to be done in segments and will require approximately 17 mobilizations. Chemicals to be collected are, Aluminum Sulfate ~20 Gal, Sodium Hydroxide, (15%) ~ 12 gallons, Ferric Chloride, ~ 20 gallons and a Polymer, ~ 8 gallons

- Set up secondary containment to catch fluids as pipes are cut and drained.
- Pumping out containment into drums that will be left onsite until that section, or train is finished.
- Prepare drums for shipment and ensure proper labeling and storage.
- Provide containers for shipping, 55-gallon drums and, or pails
- Profile waste, Manifest and shipping paper preparation
- Decontaminate pumping equipment

**ESTIMATED COST TO COMPLETE PROJECT \$ 13,593.00**

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
Disposal		\$1,575.00
Labor		\$8,568.00
Supplies,	Boxes, Drums, packing material etc	\$ 250.00
Equipment Costs	PPE, trucks, trans, pumps, containment etc.	\$3150.00

**ASSUMPTIONS**

- KES will be given access to facility
- KES will be onsite for approximately 17 sessions to collect chemicals
- Estimating < 2.5 gallons to collect per event
- Removing waste in 55 gallon drums after each line is complete.
- KES will provide all profiling, labor, materials, transportation, and disposal for this project.

- Drums/ containers will meet DOT requirements for shipping
- Every attempt has been made to include all expenses, however if unforeseen circumstances surface, Kary Environmental Services will document the changes in a formal Change Order.
- Additional work will not commence until all parties are in agreement of the new terms and pricing.

KES appreciates the opportunity to submit the above costs for review to your attention and looks forward to working with you on this project. Should you have any questions please feel free to contact me at the office: 480-945-0009. KES can immediately start profiling once approval is given. If you need any additional information or have any questions, please do not hesitate to contact us.

Respectfully submitted,

Ray Panuccio  
Project Manager  
480-236-0022  
ray@karyenvironmental.com



## **PIG® HazMat Spill Kit in 5-Gallon High-Visibility Economy Container**

KIT3200 Absorbs up to 4 gal., Container Type - Bucket

When you don't need a UN Rated container, this hi-viz, low-cost PIG Spill Kit is perfect for spills of acids, bases and unknown liquids.

- Our best kit for everyday spills is packed with top-quality PIG Absorbents, but affordable enough to be stocked in all your spill-prone areas
- PIG HazMat Absorbents are specially treated for unsurpassed performance with concentrated corrosives, such as 98% sulfuric acid and 30% sodium hydroxide
- Basic container saves money when you don't need a UN Rated container for disposal of spent absorbents
- Bright yellow color is easy to locate in the event of a spill; non-threaded lid lifts off for fast, easy access
- Lightweight 100% polyethylene containers resists chemicals and keeps contents clean and dry; molded-in handles for easy carrying
- Temporary disposal bags with ties help make cleanup faster
- Tamperproof seal helps prevent pilfering of spill response supplies
- Only PIG Spill Kits feature PIG Absorbents proven for rapid response
- For information on custom spill kits, just call 1-800-HOT-HOGS (468-4647)

### PRICING (Based on quantity)

1 -2	3 -6	7 +
\$84.00	\$80.00	\$78.00

*Always in stock. Ships in 24 hours.*

**BEST BUY**

### Specifications

Container Type	Bucket
Fluid Absorbed	Acids; Bases; Unknowns
Absorbency	Up to 4 gal.
High Visibility	Yes
See-Through	No
Sold as	1 each
Weight	6.98 lbs.
# per Pallet	36
Composition	Bucket - Polyethylene Socks, Mats - 100% Polypropylene
Includes	3 - ext. dia. 3" x 46" L PIG® HazMat Chemical Absorbent Sock (124CR) 8 - 15" W x 20" L PIG® HazMat Mat Pad (MAT301) 2 - 18" W x 30" H Polyethylene Disposal Bags (BAG201-S)

### Metric Equivalent

Absorbency	Up to 15.1 L
Weight	3.2 kg

### Technical Information

Technical Documents (available on [newpig.com](http://newpig.com))

Product Data Sheet (PDS)

Instructions for PIG HazMat Absorbents

PIG Hazardous Chemical Absorbents

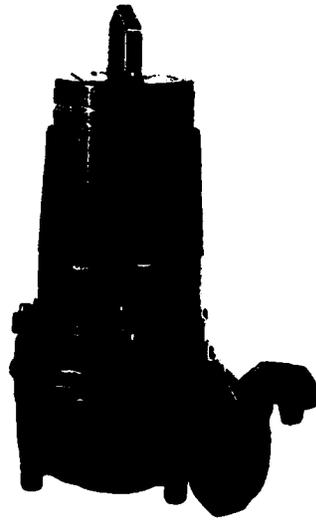
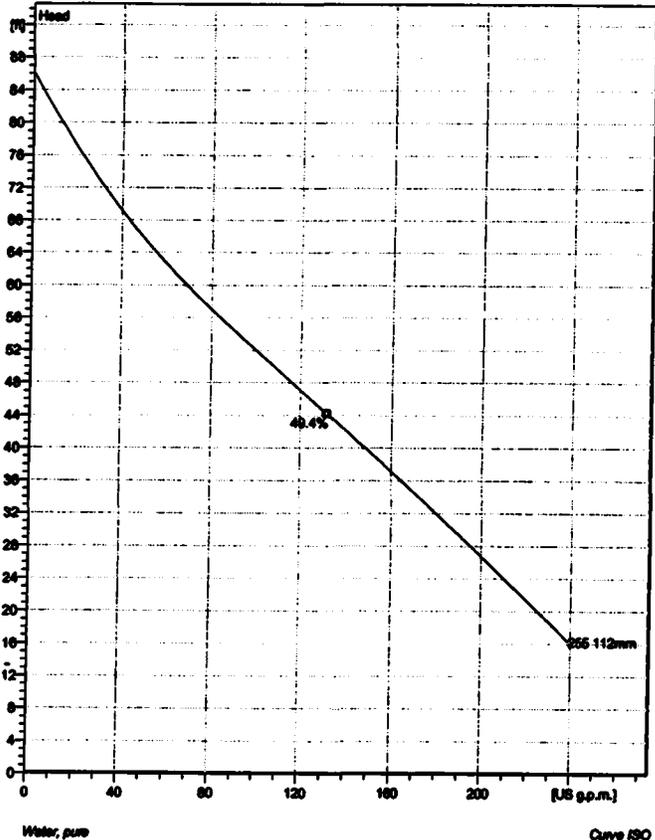
PIG® HAZ-MAT Absorbents

40 CFR 263.30(a)

40 CFR 263.31



**CP 3068 HT 3~ 255**  
**Technical specification**



*Note: Picture might not correspond to the current configuration.*

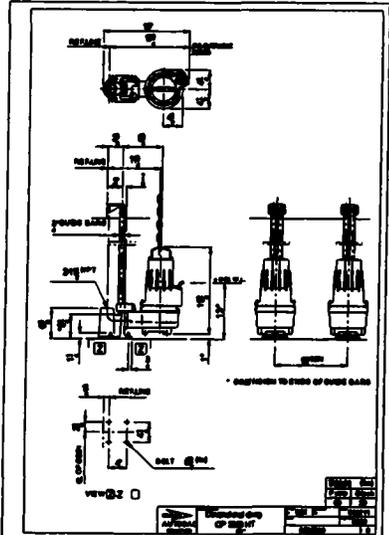
**General**  
 Stroudd single or multi-channel impeller pumps with large throughlets and single volute pump casing for liquids containing solids and fibres. Cast iron design with double sealing technology. Some models available as stainless steel versions.

Impeller	
Impeller material	Gray cast iron
Discharge Flange Diameter	1 15/16 inch
Inlet diameter	1 15/16 inch
Impeller diameter	112 mm
Number of blades	1
1 5/16 inch	1 5/16 inch

Motor	
Motor #	C3068.180 13-10-288-W 3.8hp
Approval	Standard
Stator variant	6
Frequency	60 Hz
Rated voltage	480 V
Number of poles	2
Phases	3~
Rated power	3.8 hp
Rated current	5.1 A
Starting current	32 A
Rated speed	3395 rpm
Power factor	
1/1 Load	0.85
3/4 Load	0.78
1/2 Load	0.67
Motor efficiency	
1/1 Load	82.5 %
3/4 Load	84.5 %
1/2 Load	84.5 %

**Configuration**

Installation: P - Semi permanent, Wet



**CP 3068 HT 3~ 255**



**Performance curve**

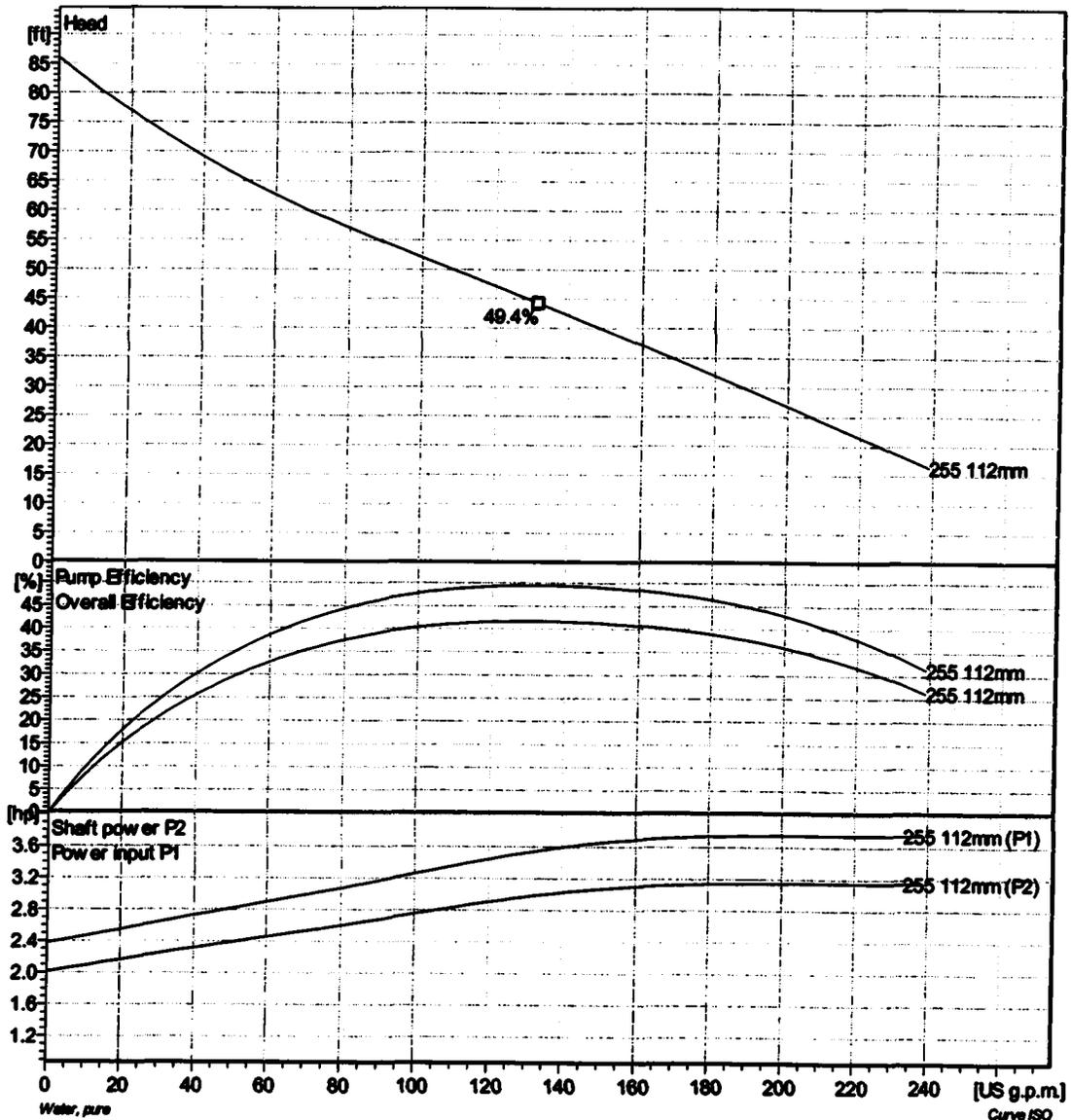
**Pump**

Discharge Flange Diameter 1 15/16 inch  
 Inlet diameter 50 mm  
 Impeller diameter 4 7/8"  
 Number of blades 1  
 1 5/16 inch

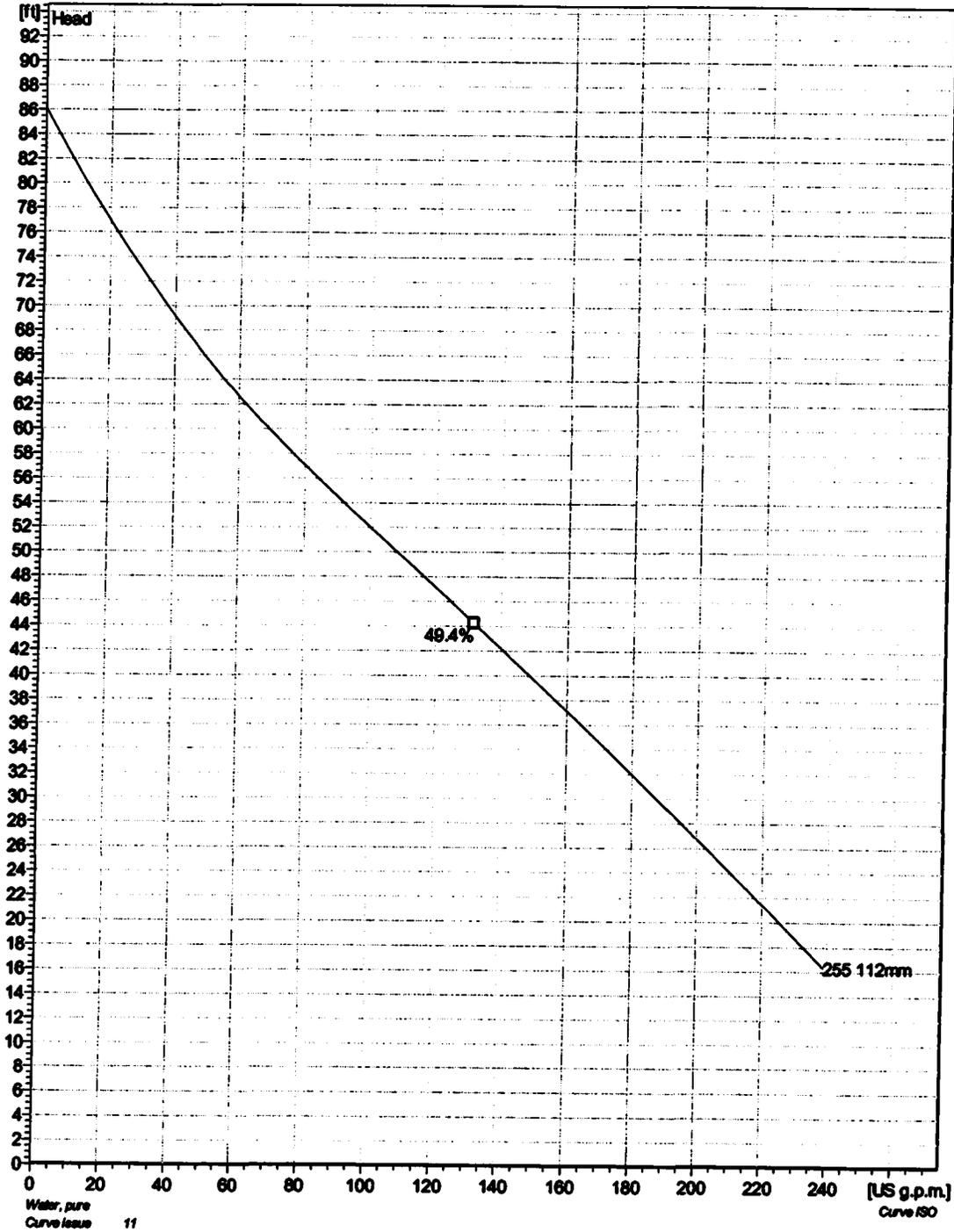
**Motor**

Motor # C3068.180 13-10-2BB-W 3.8hp  
 Approval Standard  
 Stator variant 6  
 Frequency 60 Hz  
 Rated voltage 480 V  
 Number of poles 2  
 Phases 3~  
 Rated power 3.8 hp  
 Rated current 5.1 A  
 Starting current 32 A  
 Rated speed 3395 rpm

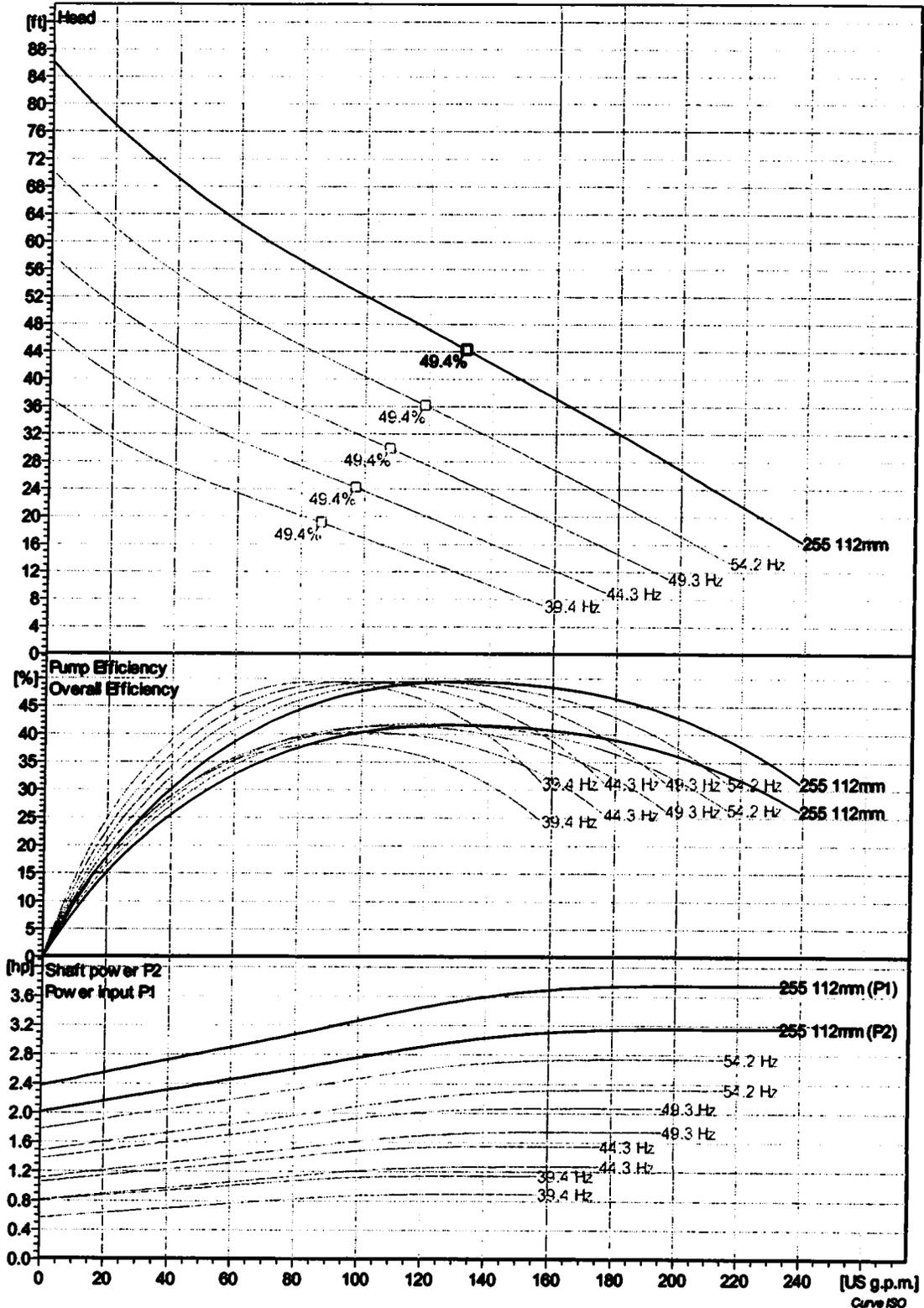
Power factor  
 1/1 Load 0.85  
 3/4 Load 0.78  
 1/2 Load 0.67  
 Motor efficiency  
 1/1 Load 82.5 %  
 3/4 Load 84.5 %  
 1/2 Load 84.5 %



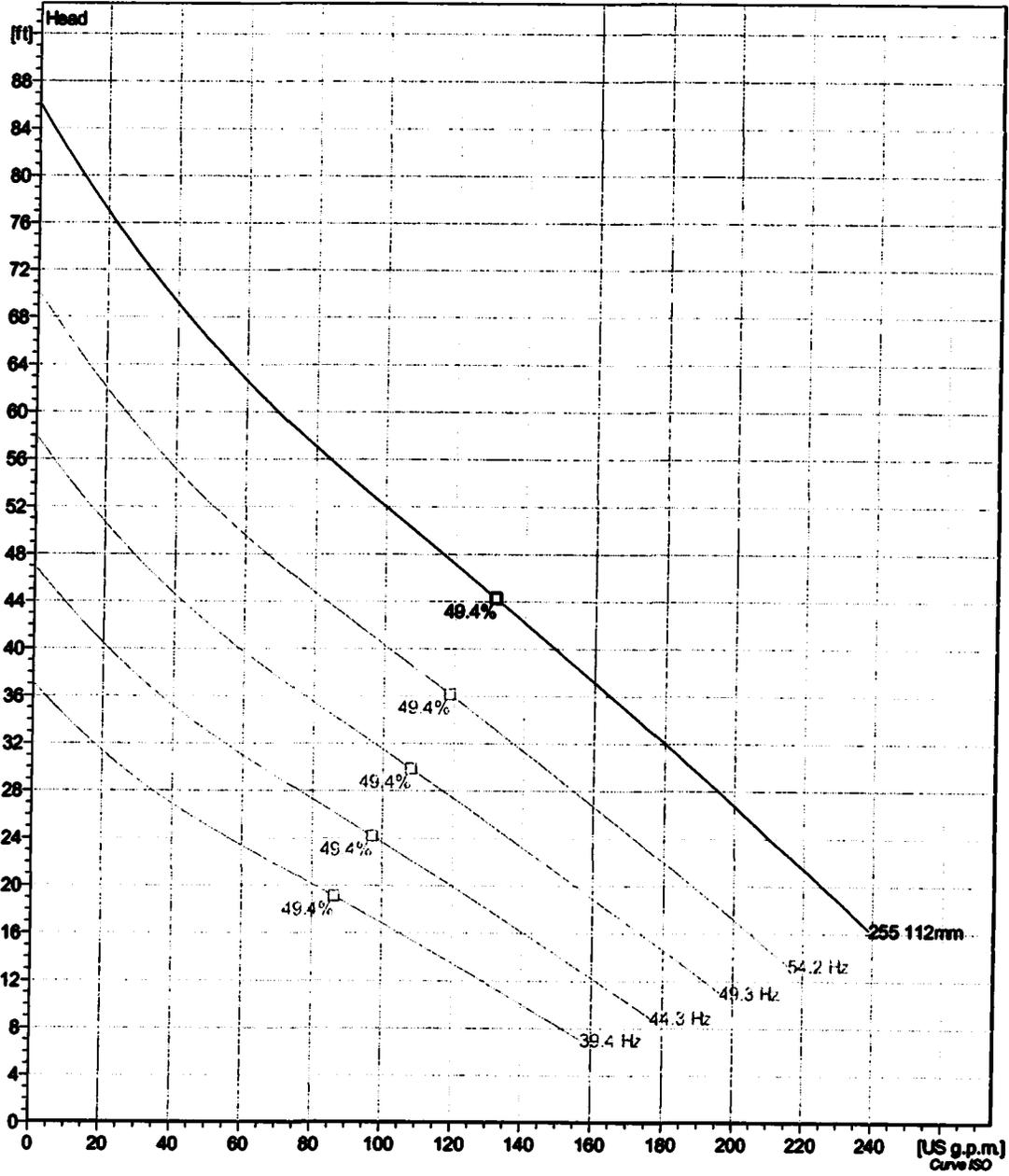
**CP 3068 HT 3~ 255**  
Duty Analysis



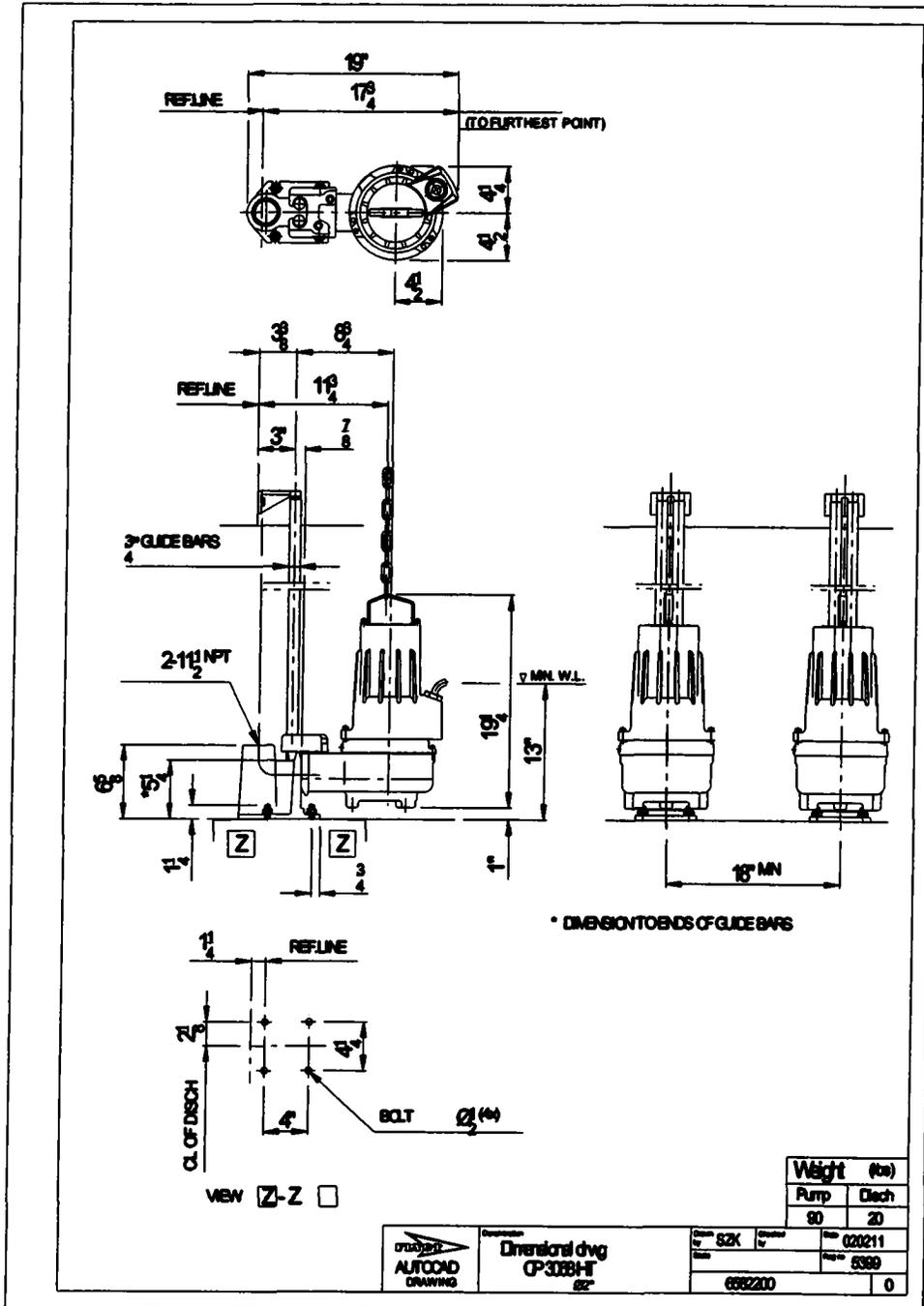
**CP 3068 HT 3~ 255**  
VFD Curve



**CP 3068 HT 3~ 255**  
**VFD Analysis**



**CP 3068 HT 3~ 255**  
Dimensional drawing



Project

Project ID

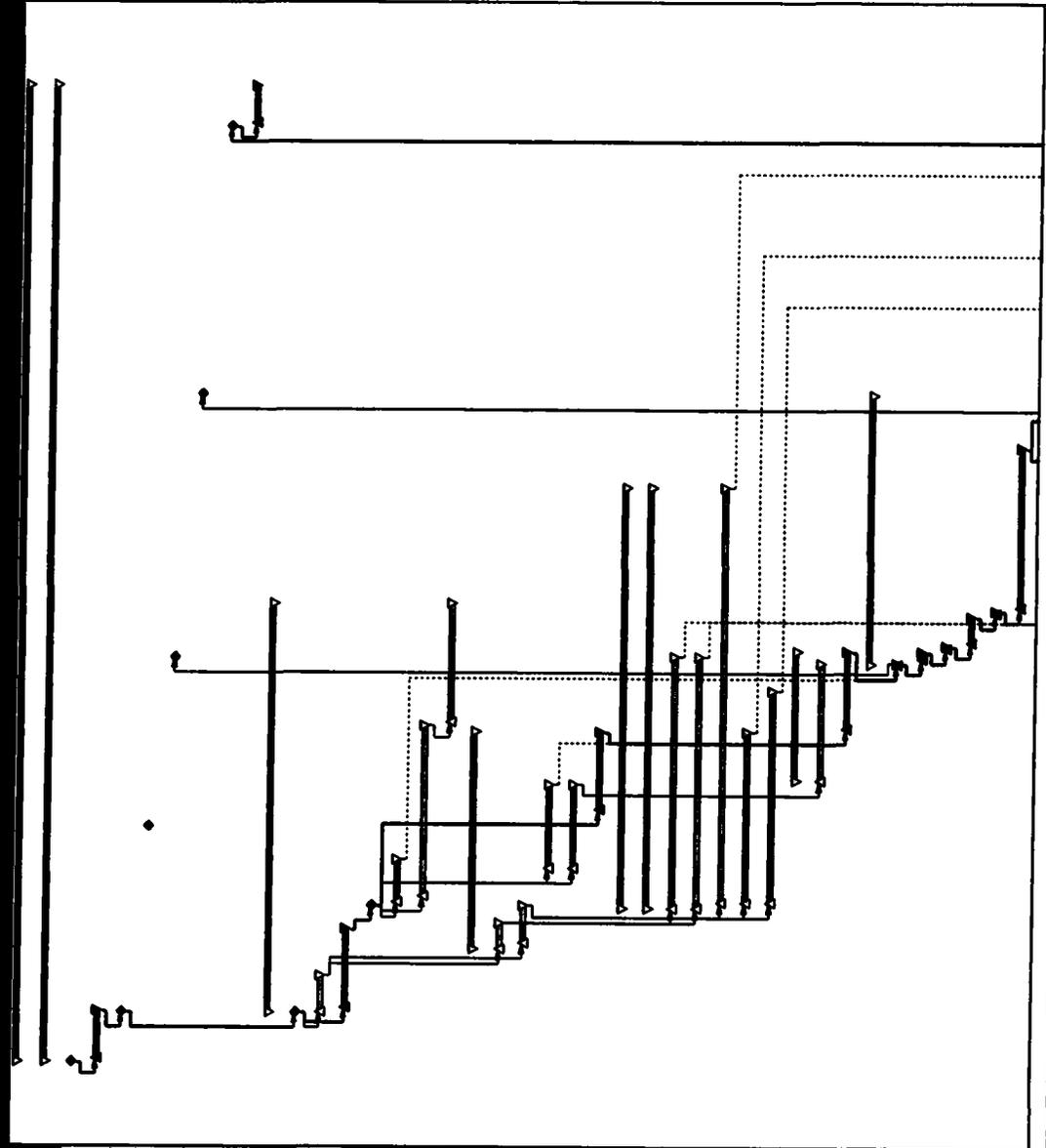
Created by

Created on

Last update

2016-05-26

Council Meeting	0	Nov-22-16
Contract Award	5	Nov-23-16
Notice to Proceed	0	Dec-01-16
Target Start Construction Date	0	Dec-01-16
CPM Scheduled Construction Start	0	Jan-31-17
Caustic Pump Piping Completion	0	Mar-17-17
West Sump Pump Completion	0	May-02-17
Punchlist & Closeout Items	5	May-03-17
Kickoff Design Meeting	0	Dec-01-16
Long-lead Procurement Design Specifications	5	Dec-01-16
Design Work	10	Dec-02-16
Design Review Meeting	0	Dec-15-16
Final Caustic System Design	5	Dec-20-16
Sump Pump System Permitting	20	Dec-21-16
Final Sump Pump Design	15	Jan-20-17
Caustic Long-lead Items	5	Dec-12-16
Sump Pump Long-lead Items	5	Dec-13-16
Caustic System Piping & Appurtenances	10	Dec-28-16
West Sump Pump Valves & Appurtenances	10	Dec-28-16
Caustic Piping Spool Drawings	10	Jan-05-17
Caustic Valves	30	Dec-19-16
Caustic Back-Pressure Valves	30	Dec-19-16
Sump Pumps	50	Dec-20-16
Sump Pump Duplex Control Panel	20	Dec-20-16
Sump Cover	25	Dec-20-16
Sump Pump Piping & Appurtenances	15	Jan-10-17
Caustic Piping & Appurtenances	10	Jan-19-17
Mobilize	1	Jan-30-17
Demo Existing Piping System	2	Jan-31-17
Cleanup & Make Area Safe	1	Feb-02-17
Touchup Pedestal Coatings	3	Feb-03-17
Set New Pumps	1	Feb-08-17
Install New Piping & Appurtenances	20	Feb-08-17

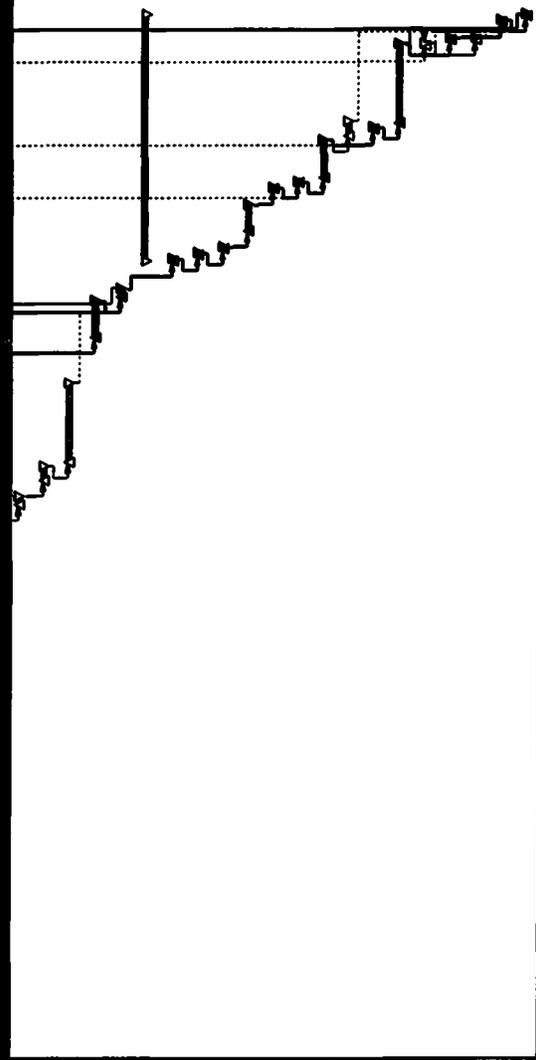


**City of Glendale - Pyramid Peak WTP Caustic & Sump Pump System Replacement**

**MGC**  
QUALITY · PERFORMANCE · VALUE

◆ Milestone  
 ▬ Actual Work  
 ▬ Remaining Work  
 ▬ Critical Remaining Work

Install New Controllers	2	Feb-09-17	Feb-10-17
Conduit & Wire	3	Feb-13-17	Feb-15-17
Integration & Controls	10	Feb-16-17	Mar-01-17
Painting	5	Mar-08-17	Mar-15-17
Testing & Startup	2	Mar-16-17	Mar-17-17
City Installed Temporary Pump Around	1	Mar-22-17	Mar-25-17
Demo Existing Pumps & Piping System	1	Mar-23-17	Mar-23-17
Assemble Base Plates & Sump Piping	1	Mar-24-17	Mar-24-17
Paint Sump Piping	5	Mar-27-17	Mar-31-17
Install Base Assemblies	1	Apr-03-17	Apr-03-17
Install Sump Cover	1	Apr-04-17	Apr-04-17
Install Discharge & Vent Piping & Appurtenances	5	Apr-05-17	Apr-11-17
Paint Discharge & Vent Piping	3	Apr-12-17	Apr-14-17
Install Duplex Control Panel & Disconnects	1	Apr-13-17	Apr-13-17
Conduit & Wire	10	Apr-14-17	Apr-27-17
Install Sump Pumps	1	Apr-27-17	Apr-27-17
MOPO - Install New MCC Breaker	1	Apr-28-17	Apr-28-17
Wire Sump Pumps	1	Apr-28-17	Apr-28-17
Integrate Alarms	1	May-01-17	May-01-17
MOPO - Startup & Testing	1	May-02-17	May-02-17



NTP 01.DFC-2016  
 Est. Date: May-09-17  
 Issue Date: Sep-15-16



City of Glendale - Pyramid Peak WTP Causitic  
 & Sump Pump System Replacement

Actual Work  
 Remaining Work  
 Critical Remaining Work  
 Milestone  
 Summary