



Town of Florence, Arizona

NOTICE OF FORMAL SOLICITATION

SOLICITATION TYPE: INVITATION FOR BIDS
COMMODITY/SERVICE SOUGHT: Rehabilitation and protective coating for a 500,000 gallon water storage tank and a 250,000 gallon water storage tank.

BID DUE DATE AND TIME: Date: November 3, 2016
At 2:00 PM local time

LOCATION: Town of Florence
Town Clerk's Office
775 N Main Street
Florence, AZ 85132

PRE-BID DATE AND TIME: Date October 27, 2016
at 10:00 AM local time

LOCATION: Town of Florence
Town Hall
775 N Main Street
Florence, AZ 85132

Bids shall be enclosed in a sealed envelope clearly identified as: "**REHABILITATION AND PROTECTIVE COATING FOR WATER STORAGE TANKS**". The name and address of the entity submitting the Bid shall also be clearly marked on the sealed envelope. It is the sole responsibility of the entity submitting the bid to see that his/her bid is received at the proper time. The bid shall be submitted no later than November 3, 2016, 2:00 pm, to the Town of Florence, located at 775 N Main Street, Florence, AZ 85132. All bids shall be opened in public and the name of each bidder and the amount of its bid shall be publicly read. Late bids will not be considered and will be returned unopened. Bid's "faxed" or emailed to the Town shall not be accepted.

Every bid shall be accompanied by a certified check, cashier's check or surety bond for ten percent (10%) of the amount of the bid as a guarantee that if selected, the bidder will enter into a contract to perform the work in accordance with the contract documents. Any surety bond submitted in compliance with this requirement shall be executed by a surety company or companies holding a certificate of authority to transact surety business in this state issued by the director of the Department of Insurance pursuant to Arizona Revised Statutes Title 20, Chapter 2, Article 1; shall follow the form prescribed in Arizona Revised Statutes Section 34-201; and all liabilities on the bond shall be determined in accordance with that section as if it were copied at length therein.

The Town of Florence will select a vendor based on the lowest responsible and responsive bid. The Town reserves the right to waive informalities in any bid and to reject any or all bids in whole or in part with or without cause and/or to accept the bid that, in its judgment, will be in the best interest of the Town. The Town reserves the right to reject any conditional bid and will normally reject those which make it impossible to determine the intent of the bid. All bidders must fully understand the "all inclusive" nature of the Town's work scope request and must therefore structure their bid to eliminate contingency pricing.

The Town of Florence seeks the services of a qualified Potable Water Storage Tank Rehabilitation and Coating Company to provide associated services work is generally described as:

1. Mobilize and Demobilize
2. Provide labor, equipment, materials and expendables
3. Provide tank inspection and Condition Report
4. Provide tank rehabilitation and repair services
5. Provide protective tank coating services
6. Report of findings and recommended action
7. Provide tank inspection at the end of one (1) year warranty
8. Provide five (5) year warranty on all labor and materials
9. Propose schedule for mobilization and completion of work

SERVICES REQUIRED

The Town of Florence will require a State of Arizona licensed contractor to perform the services.

This Invitation for Bids ("IFB") includes the following:

- Cost - The proposed costs and fees for the project. Please identify any subcontractors that will be used.
- Schedule - This is a time sensitive project that needs to be completed on schedule. The Town wishes the project to be completed within fourteen (14) weeks of Notice to Proceed.

- **Relevant Experience – The company or entity must have at least five years of experience as a licensed contractor in Arizona performing similar work on potable water storage tanks.**
- **Client List - References will be requested of the selected Company.**

I. EVALUATION CRITERIA

Any company or individual responding to this IFB should be advised that the following experience and responsibilities will be necessary for the success of the selected contractor:

- 1. Flexibility in work scheduling.**
- 2. Ability to provide services requested in a timely manner**
- 3. Applicable license, insurance and bonding**

Evaluation Criteria – For each of the required services included in the response to the IFB, these criteria will be used evaluate the bid:

- 1. Cost - The bid price for the project. Please identify any subcontractors that will be used.**
- 2. Schedule - Start Date and Completion Date (This project is time sensitive and completion time will be a factor in the selection of the lowest responsive responsible bid.)**
- 3. References**
- 4. Demonstrated ability to complete the work**

Questions and to schedule site visits related to this IFB can be sent to Christopher Salas, P.E., Town Engineer. Questions related to this IFB can be directed to Paul Hendricks, EUSI, 623 204 4901 or phendricks@cox.net.

Publish Dates: October 13, 2016 and October 20, 2016

PUBLISHERS AFFIDAVIT REQUIRED

TOWN OF FLORENCE, ARIZONA
PROJECT SPECIFICATIONS AND CONTRACT
DOCUMENTS

DATED: OCTOBER 2016

FOR:

TOWN OF FLORENCE

WATER SYSTEM
REHABILITATION AND PROTECTIVE COATING
FOR
WATER STORAGE TANKS

TABLE OF CONTENTS OF BIDDING DOCUMENTS

DOCUMENT

PAGE NO.

Table of Contents of Bidding Documents

Bid Submittal Checklist	1
Instructions To Bidders	2
Contract	10
General Conditions of Contract	16
Town Revisions to MAG Specifications	34
Insurance Requirements	36
Special Provisions List	38
Bid Form	39
Bid Schedule	40
Acknowledgement of Agenda	42
List of Subcontractors	43
Statutory Bid Bond	44
Resolution of Board of Directors	45
Non-Collusive Bidding Certification	46
W-9 Form	47

BID SUBMITTAL CHECKLIST

It is the Bidder's responsibility to be thoroughly familiar with all requirements and specifications. The following checklist is provided as a courtesy only, and is not binding upon the Town nor does it modify, in any way, the terms or requirements of this document, any applicable statutes, rules, regulations, or the Town's purchasing policies.

- 1. The Bid Schedule has been signed by an authorized representative of the firm. Unsigned bids will not be considered.
- 2. The Bid Schedule has been fully completed, including prices offered (including any alternatives) have been fully filled in and reviewed for accuracy.
- 3. Any addenda have been reviewed and acknowledged on the form included in the documents. It is the Bidder's responsibility to obtain all addenda relevant to this solicitation via the Issuing Office or other means.
- 4. The List of Subcontractors has been fully completed and executed by Bidder and reviewed for accuracy.
- 5. Bidder has reviewed all instructions, terms and conditions, and specifications to ensure your response fully complies.
- 6. Any required samples, descriptive literature, or enclosures have been included, if applicable. (Identify samples with Bidder's name and solicitation number.)
- 7. The bid package and/or envelope have been identified with Bidder's name, project number and project title.
- 8. The specified number of copies of Bidder's response has been included if more than one (1) copy is required.
- 9. Insurance requirements have been reviewed and can be fully complied with.
- 10. Bid Bond has been fully executed by Bidder and appropriate Surety and is included.
- 11. The Resolution of Board of Directors for corporate Bidder has been fully executed and included, or other proof of authorization required under this document has been included.
- 12. The Non-Collusive Bidding Certification has been executed and included.
- 13. The W-9 Form is complete and included.

INSTRUCTIONS TO BIDDERS

INSTRUCTION 1: DEFINED TERMS

- 1.01 Terms used in these Instructions to Bidders have the meanings indicated in the Contract, General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:
- A. *Engineer* - The Engineer set forth in the Bid Documents or as otherwise designated in writing by the Town. If no other Engineer is designated, the Engineer shall be the Issuing Office.
 - B. *Issuing Office* – The office from which the Bidding Documents are to be issued. The Issuing Office is set forth as the Town of Florence.
 - C. *Owner or Town* – The Town of Florence, Arizona.

INSTRUCTION 2: COPIES OF BIDDING DOCUMENTS

- 2.01 Complete sets of the Bidding Documents may be obtained from the Issuing Office.
- 2.02 Complete sets of Bidding Documents shall be used in preparing Bids. Neither the Owner, the Engineer nor the Issuing Office assumes any responsibility for errors or misinterpretations resulting from the use of incomplete, modified or unofficial sets of Bidding Documents.
- 2.03 Owner, the Issuing Office and Engineer, in making copies of Bidding Documents available on the above terms, do so only for the purpose of obtaining Bids for the Work and do not authorize or confer a license for any other use.

INSTRUCTION 3: QUALIFICATIONS OF BIDDERS

- 3.01 To demonstrate Bidder's qualifications to perform the Work, after submitting its Bid and within 7 days of Owner's request, Bidder shall submit: (a) written evidence establishing its qualifications such as financial data, previous experience, and present commitments; and (b) the following additional information:
- A. Evidence of Bidder's authority to do business in the state where the Project is located.
 - B. Bidder's state or other contractor license number and good standing.
 - C. Evidence that each natural person submitting a Bid, including the officers, partners, members, and/or principals of the Bidder, to submit documentation of their lawful presence in the United States, pursuant to A.R.S. §§ 1-501 and 1-502.
- 3.02 A Bidder's failure to submit required qualification information within the times indicated may disqualify Bidder from receiving an award of the Contract.
- 3.03 No requirement in this Instruction 3 to submit information will prejudice the right of Owner to seek additional information, as requested in the Town's sole discretion, regarding Bidder's qualifications.

3.04 Bidder is advised to carefully review those portions of the Bid Form requiring Bidder's representations and certifications.

INSTRUCTION 4: BIDDER'S PRE-BID OBLIGATIONS AND REPRESENTATIONS

4.01 It is the responsibility of each Bidder before submitting a Bid to:

- A. Examine and carefully study the Bidding Documents, and any data and reference items identified in the Bidding Documents;
- B. Visit the Site, conduct a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfy itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
- C. Become familiar with and satisfy itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work;
- D. Carefully study all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Special Provisions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Special Provisions, especially with respect to Technical Data in such reports and drawings;
- E. Consider the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs;
- F. Become aware of the general nature of the work to be performed by the Town and others at the Site that relates to the Work as indicated in the Bidding Documents;
- G. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
- H. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.

4.02 Bidder represents and agrees that:

- A. The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Instruction, that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents; and

- b. Based on the information and observations referred to in the preceding ¶ 4.01, that at the time of submitting its Bid no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

INSTRUCTION 5: PRE-BID MEETING

- 5.01 There is a Pre-Bid Meeting for this project.

INSTRUCTION 6: INTERPRETATIONS AND ADDENDA

- 6.01 All questions about the meaning or intent of the Bidding Documents are to be submitted to in writing to the Issuing Office. Any interpretations, clarifications, or other/additional information considered necessary by Engineer and/or the Town in response to such questions, or otherwise, will be issued by Addenda.
- 6.02 Questions received may be answered at the sole discretion of the Town. Inquiries regarding this project directed to persons other than the Town's designated representative may not be answered, and any answers received other than as set forth in this document will not be binding upon the Town for any purpose.
- 6.03 Only answers provided by written Addenda may be binding upon the Town. Oral and other interpretations or clarifications will be without legal effect. The Town shall not be held responsible if a Bidder fails to receive any addenda issued. The Town shall not be responsible for any oral representations or statements relating to the solicitation specifications made by any employee, agent or officer of the Town.
- 6.04 Addenda may be issued to clarify, correct, supplement, or change the Bidding Documents.
- 6.05 Receipt of Addenda shall be acknowledged by signing and returning the form included herein with the Bid by the specified Bid due date and time. Potential Bidders are responsible for obtaining all addenda relevant to this Invitation for Bid via the Issuing Office or other means.

INSTRUCTION 7: BID SECURITY

- 7.01 A Bid must be accompanied by Bid security made payable to Owner in an amount of ten percent of Bidder's maximum Bid price (determined by adding the base bid and any alternates) and in the form of a certified check, bank money order, or a Bid Bond in statutory form (on the form included in the Bidding Documents) issued by a surety meeting the requirements of the General Conditions and applicable law.
- 7.02 The Bid security of the apparent Successful Bidder will be retained until Owner awards the contract to such Bidder, and such Bidder has executed the Contract Documents, furnished the required contract security, and met the other conditions of the Notice of Award, whereupon the Bid security will be released. If the Successful Bidder fails to execute and deliver the Contract Documents and

furnish the required contract security within seven (7) days after the Notice of Award, Owner may consider Bidder to be in default, annul the Notice of Award, and the Bid security of that Bidder will be forfeited. Forfeiture will not preclude the Town from seeking any or all other remedies provided by law to recover losses sustained as a result of the Bidder's failure to enter into the Agreement or to furnish the contract securities or insurance certificates and endorsements.

- 7.03 The Bid security of other Bidders that Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the earlier of seven (7) days after the Effective Date of the Contract or 61 days after the Bid opening, whereupon Bid security furnished by such Bidders will be released.
- 7.04 Bid security of other Bidders that Owner believes do not have a reasonable chance of receiving the award will be released within seven (7) days after the Bid Opening.

INSTRUCTION 8: SUBSTITUTE AND "OR-EQUAL" ITEMS

- 8.01 The Contract for the Work, as awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration during the bidding and Contract award process of possible substitute or "or-equal" items. In cases in which the Contract allows the Contractor to request that Engineer authorize the use of a substitute or "or-equal" item of material or equipment, application for such acceptance may not be made to and will not be considered by Engineer until after the Effective Date of the Contract.
- 8.02 All prices that Bidder sets forth in its Bid shall be based on the presumption that the Contractor will furnish the materials and equipment specified or described in the Bidding Documents, as supplemented by Addenda. Any assumptions regarding the possibility of post-Bid approvals of "or-equal" or substitution requests are made at Bidder's sole risk.

INSTRUCTION 9: SUBCONTRACTORS, SUPPLIERS, AND OTHERS

- 9.01 A Bidder shall be prepared to retain specific Subcontractors, Suppliers, or other individuals or entities for the performance of the Work if required by the Bidding Documents to do so. If a prospective Bidder objects to retaining any such Subcontractor, Supplier, or other individual or entity, and the concern is not relieved by an Addendum, then the prospective Bidder should refrain from submitting a Bid.
- 9.02 The Bidders shall submit to the Town with its response to this document a complete listing of all Subcontractors the Bidder intends to use in the performance of the work. No bid for work involving these classifications will be valid without the complete listing of both subcontractors and major material suppliers as listed and the included form List of Subcontractors.

INSTRUCTION 10: PREPARATION OF BID

- 10.01 The Bid Schedule is included with the Bidding Documents.

- A. All blanks on the Bid Schedule shall be completed in ink and the Bid Form signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form. A Bid price shall be indicated for each section, Bid item, alternate, adjustment unit price item, and unit price item listed therein.
 - B. If the Bid Schedule expressly indicates that submitting pricing on a specific alternate item is optional, and Bidder elects to not furnish pricing for such optional alternate item, then Bidder may enter the words "No Bid" or "Not Applicable."
- 10.02 A Bid by a corporation shall be executed in the corporate name by a corporate officer (whose title must appear under the signature), accompanied by evidence of authority to sign. The corporate address and state of incorporation shall be shown.
- 10.03 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The partnership's address for receiving notices shall be shown.
- 10.04 A Bid by a limited liability company shall be executed in the name of the firm by a member or other authorized person and accompanied by evidence of authority to sign. The state of formation of the firm and the firm's address for receiving notices shall be shown.
- 10.05 A Bid by an individual shall show the Bidder's name and address for receiving notices.
- 10.06 A Bid by a joint venture shall be executed by an authorized representative of each joint venturer in the manner indicated on the Bid Form. The joint venture's address for receiving notices shall be shown.
- 10.07 All names shall be typed or printed in ink below the signatures.
- 10.08 The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.
- 10.09 Postal and e-mail addresses and telephone number for communications regarding the Bid shall be shown.
- 10.10 The Bid shall contain evidence of Bidder's authority and qualification to do business in Arizona and the Town Bidder's Arizona contractor license number and classification, and any other required business and/or tax licenses required by the Town shall also be shown on the Bid Form.
- 10.11 If price is a consideration and in case of error of prices in the Bid, the unit price shall govern. If there is a conflict between values or prices written-out in text and values or prices expressed in numbers, the text values or prices shall control.
- 10.12 No Bid shall be altered, amended, or withdrawn after the specified due date and time.
- 10.13 Periods of time, stated as a number of days, shall be calendar days.
- 10.14 It is the responsibility of all Bidders to examine the entire package and seek clarification of any item or requirement and to check all responses for accuracy

before submitting a Bid. Negligence in preparing a Bid confers no right of withdrawal after Bid due date and time.

- 10.15 The Town shall not reimburse the cost of developing or providing any response to this project and development and provision of any offer shall be at the respective Bidder's sole cost. Offers submitted for consideration should be prepared simply and economically, providing adequate information in a straightforward and concise manner.

INSTRUCTION 11: BASIS OF BID

- 11.01 The Basis upon which Bids shall be calculated and submitted (Lump Sum/Fixed Price, Unit Price, Allowances for specific items) are set forth in the Bid Schedule.

11.02 Lump Sum/Fixed Price

- A. Bidders shall submit a Bid on a lump sum basis as set forth in the Bid Form.

11.03 Unit Price

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the unit price section of the Bid Form.
- B. The "Bid Price" (sometimes referred to as the extended price) for each unit price Bid item will be the product of the "Estimated Quantity" provided (usually the Bid Schedule) for the item and the corresponding "Bid Unit Price" offered by the Bidder. The total of all unit price Bid items will be the sum of these "Bid Prices"; such total will be used by Owner for Bid comparison purposes. The final quantities and Contract Price will be determined in accordance with the General Conditions.
- C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

11.04 Allowances

- A. For cash allowances the Bid price shall include such amounts as the Bidder deems proper for Contractor's overhead, costs, profit, and other expenses on account of cash allowances, if any, named in the Contract Documents.

INSTRUCTION 12: SUBMITTAL OF BID

- 12.01 Five (5) copies of the Bid Form and Bid Schedule are to be completed and submitted with the Bid security and the other documents required to be submitted under the terms of Instruction 7.

- 12.02 A Bid shall be received no later than the date and time prescribed and at the place indicated in the advertisement or invitation to bid.

- 12.03 Bids received after the date and time prescribed for the opening of bids, or not submitted at the correct location or in the designated manner, will not be accepted, opened, or considered.

- 12.04 By signature on the Bid Form, the Bidder certifies that:

- A. The submission of the offer did not involve collusion or other anti-competitive practices.
- B. The Bidder shall not discriminate against any employee or applicant for employment in violation of the Federal Executive Order 11246.
- C. The Bidder has not given or offered to give, and does not intend 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.
- D. Failure to sign the offer, or the falsity of a statement in a signed offer, shall void the submitted offer or any resulting contracts, and the Bidder may be debarred.

INSTRUCTION 13: MODIFICATION AND WITHDRAWAL OF BID

- 13.01 A Bid may be withdrawn by an appropriate document duly executed in the same manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids. Upon receipt of such notice, the unopened Bid will be returned to the Bidder.
- 13.02 If a Bidder wishes to modify its Bid prior to Bid opening, Bidder must withdraw its initial Bid in the manner specified in Paragraph 13.01 and submit a new Bid prior to the date and time for the opening of Bids.
- 13.03 If within 24 hours after Bids are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder may, in the Town's sole discretion, be disqualified from further bidding on the Work.

INSTRUCTION 14: OPENING OF BIDS

- 14.01 Bids will be opened at the time and place indicated in the Invitation to Bid and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids
- 14.02 All Bids will remain subject to acceptance for the period of time stated in the Bid Form and each Bidder agrees that it will hold open its offer for such period, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period. Unless otherwise specified, all Bidders and their Subcontractors shall hold their bids valid for a period of 60 days from the proposal due date stated on the Advertisement for Bids.

INSTRUCTION 15: EVALUATION OF BIDS

- 15.01 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner will reject the Bid of any Bidder that Owner finds, after reasonable inquiry and evaluation, to not be responsible. If Bidder purports to add terms or conditions to

its Bid, takes exception to any provision of the Bidding Documents, or attempts to alter the contents of the Contract Documents for purposes of the Bid, then the Owner may reject the Bid as nonresponsive.

15.02 If Owner awards the contract for the Work, such award shall be to the responsible Bidder submitting the lowest responsive Bid.

15.03 Evaluation of Bids:

A. In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices, schedule for starting and completing work, and other data, as may be requested in the Bid Form or prior to the Notice of Award. Time is of the essence and bids without a commitment to schedule and completion may not be awarded if they are not in the best interest of the Town.

15.04 In evaluating whether a Bidder is responsible, Owner will consider the qualifications of the Bidder and may consider the qualifications and experience of Subcontractors and Suppliers proposed for those portions of the Work for which the identity of Subcontractors and Suppliers must be submitted as provided in the Bidding Documents.

15.05 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders and any proposed Subcontractors or Suppliers.

15.06 Any terms of the Bidder's submittal that conflict with the language and requirements of the Town's solicitation or that take exception to the terms, conditions, specifications and/or other requirements stated within these documents, may cause the Bidder's submittal to be considered nonresponsive and rejected. Exceptions may be evaluated by the Town on an individual basis to determine compliance with the purpose and intent of the terms and conditions stated within this solicitation.

INSTRUCTION 16: AWARD AND SIGNING OF CONTRACT

16.01 Notwithstanding any other provision, the Town expressly reserves the right, when determining whether to award a contract to the lowest responsive and responsible Bidder who has neither been disqualified nor rejected pursuant to the terms and conditions of the contract documents, to:

- A. Waive any immaterial defect or informality; and/or
- B. Reject any or all Bids, or portions thereof; and/or
- C. Reissue an Invitation to Bid; and/or
- D. Exercise any other rights available to the Town under the terms of the contract documents, the Town Code, law, or equity.

16.02 When Owner issues a Notice of Award to the Successful Bidder, it shall be accompanied by the unexecuted counterparts of the Contract along with the other Contract Documents as identified in the Contract. Within 10 days thereafter, Successful Bidder shall execute and deliver the required number of counterparts of the Contract (and any bonds and insurance documentation required to be delivered by the Contract Documents) to Owner. Within ten days

thereafter, Owner shall deliver one fully executed counterpart of the Contract to Successful Bidder.

INSTRUCTION 17: ADDITIONAL PROVISIONS

- 17.01 Contract Applicability: The Bidder shall substantially conform to the terms, conditions, specifications, and other requirements found within the text of the contract documents. All previous agreements, contracts, or other documents, which have been executed between the Bidder and the Town, are not applicable to this project or any resultant contract.
- 17.02 Gratuities: The Town may, by written notice to the Bidder, cancel the resultant contract if it is found by the Town that gratuities, in the form of entertainment, gifts or otherwise, were offered or given by the Bidder or any agent or representative of the Bidder, to any officer or employee of the Town with a view toward securing an order, securing favorable treatment with respect to the awarding, amending, or the making of any determinations with respect to the performing of such order. In the event the Town pursuant to this provision cancels the resultant contract, the Town shall be entitled, in addition to any other rights and remedies, to recover or withhold from Contractor the amount of gratuity. Paying the expense of normal business meals, which are generally made available to all eligible Town government customers, shall not be prohibited by this paragraph.
- 17.03 Public Record: All offers submitted in response to this project, whether or not accepted by the Town, shall become a matter of public record available for public inspection, subsequent to the award notification, in accordance with the Town's Procurement Policy and Arizona's Public Records laws.
- 17.04 Confidential Information: If a person believes that a bid, offer, specification, or protest contains information that should be withheld, a statement advising the Town of this fact shall accompany the submission and the information shall be identified. The information identified by the person as confidential shall not be disclosed until the Town makes a written determination.
- 17.05 Lobbying Prohibition: Any communication regarding this solicitation for the purpose of influencing the process or the award, between any person or affiliates seeking an award from this solicitation and the Town, including but not limited to the Town Council, employees, and contractors engaged to assist in the solicitation, is prohibited.
- A. This prohibition is imposed from the time of the first public notice of the solicitation until the Town cancels the solicitation, rejects all responses, awards a Contractor, and otherwise takes action which ends the solicitation process. This section shall not prohibit public comment at any Town Council meeting, study session or Town committee meeting.
 - B. This prohibition shall not apply to communication with the official contact(s) specifically identified in the solicitation or Town-initiated communications for the purposes of conducting the procurement, and in the manner prescribed in the solicitation, including but not limited to pre-bid conferences, clarification of responses, presentations if provided for in the solicitation, requests for Best

and Final Proposals, contract negotiations, interviews, protest/appeal resolution, or surveying non-responsive vendors.

- C. Violations of this provision shall be reported to Purchasing and may be a basis for rejecting a response or disbarment of the violator by the Town. Persons and/or entities violating this prohibition may be subject to a warning letter, rejection of their response, or disbarment by the Town, in the Town's discretion, depending on the nature of the violation.

CONTRACT

TOWN OF FLORENCE

CONTRACT FOR

**REHABILITATION AND PROTECTIVE COATING
WATER STORAGE TANKS**

THIS CONTRACT is made and entered into on the _____ day of _____, 20____, by and between Town of Florence, an Arizona municipal corporation, hereinafter called "**Town**" and the "**Contractor**" designated below:

Town and Contractor agree as follows:

ARTICLE 1 – PARTICIPANTS AND PROJECT

TOWN: Town of Florence, Arizona
Project Manager: Paul Hendricks, EUSI
Telephone: (623) 204-4901
E-mail: phendricks@cox.net

CONTRACTOR: {Name}
{Address}
Arizona ROC No.:
Federal Tax ID No:
Representative:
Telephone:
E-mail:

ENGINEER: Christopher Salas, P.E. Town Engineer

PROJECT DESCRIPTION: The project consists of the rehabilitation and protective coating for two (2) water storage tanks for the Town of Florence water system.

PROJECT LOCATION: Town of Florence

ARTICLE 2 – CONTRACT DOCUMENTS

2.1 Contract. The Contract between Town and Contractor shall consist of the following items:

- Project Specifications and Contract Documents
- MAG Uniform Standard Specifications & Details for Public Works Construction
- Change Orders
- Addenda
- Special Provisions

In the event of a conflict of language between the items, the documents shall govern in the order listed above. In the event of a conflict of language regarding those documents included within the definition of “Contract Documents” as set forth in the General Conditions attached hereto, the priority for interpreting the Contract Documents shall be as set forth in the General Conditions, but in all cases, in the event of such conflict, the documents included in the definition of Contract Documents prevail over the documents listed above in this Section 2.1. The Contract Documents shall govern in all other matters not otherwise specified by the Contract between the parties. All previous contracts between the Town and Bidder are not applicable to this Contract or other resultant contracts.

ARTICLE 3 – DESIGN PHASE SERVICES

Contractor may be required to provide Design Phase Services to the Town in relation to this Project.

ARTICLE 4 – CONSTRUCTION SERVICES

4.1 General.

- 4.1.1 Contractor agrees at its own cost and expense, to do all work necessary and required to fully, timely and properly complete the construction of the Project in strict accordance with the Contract Documents in a good and workmanlike manner, free and clear of all claims, liens, and charges whatsoever, in the manner and under the conditions specified, within the Project Schedule.
- 4.1.2 Contractor shall provide all of the labor and materials, and perform the Work in accordance with Section 4 of the General Conditions. Some but not all of the major components of the Construction Services and the corresponding subsections of Section 4 of the General Conditions are set forth below.
- 4.1.3 At all times relevant to this Contract and performance of the Work, the Contractor shall fully comply with all laws, Regulations, or Legal Requirements applicable to Town, the Project and the Contract, including, without limitation, those set forth in the General Conditions.

- 4.1.4 Contractor shall perform the Work under this Contract using only those firms, team members and individuals designated by Contractor consistent with Contractor's accepted Bid, or otherwise, approved by Town pursuant to the General Conditions. No other entities or individuals may be used without the prior written approval of the Project Manager.
- 4.1.5 Contractor will comply with all terms and conditions of the General Conditions.
- 4.1.6 In the event of a conflict between this Contract and the General Conditions or any exhibit hereto or appendix thereto, the terms of this Contract shall control.
- 4.1.7 Ownership of Work Product. Notwithstanding anything to the contrary in this Contract, all Work Product prepared or otherwise created in connection with the performance of this Contract, including the Work, are to be and remain the property of Town. For purposes of this provision, "Work Product" shall include all designs, drawings, plans, specifications, ideas, renderings and other information or matter, in whatever form created (e.g., electronic or printed) and in all media now known or hereinafter created. All Work Product shall be considered Work Made for Hire as defined in the United States Copyright Act 17 U.S.C. § 101 (Copyright Act). If for any reason any such Work is found not to be a work for hire, Contractor hereby transfers and assigns ownership of the copyright in such Work to Town. The rights in this Section are exclusive to Town in perpetuity.

4.2 Contractor's Pre-Contract and Pre-Work Deliverables.

- 4.2.1 The Contractor will provide the Deliverables in accordance with Section 4.2 of the General Conditions.

4.3 Pre-Construction Conference. Contractor shall attend the Pre-Construction Conference in accordance with Section 4.3 of the General Conditions.

4.4 Performance of the Work (Including Field Measurements, Subcontractors, and Suppliers). Contractor shall perform the Work in accordance with Section 4.4 of the General Conditions.

4.5 Control Of The Project Site. Contractor shall control and maintain the Project Site in accordance with Section 4.5 of the General Conditions.

4.6 Project Safety. Contractor shall implement and enforce Project safety in accordance with Section 4.6 of the General Conditions.

4.7 Materials Quality, Substitutions and Shop Drawings. Contractor shall provide materials testing and submit substitute materials and shop drawings in accordance with Section 4.7 of the General Conditions.

- 4.8 Project Record Documents. Contractor shall maintain and make available the Project Record Documents in accordance with Section 4.8 of the General Conditions.
- 4.9 Warranty and Correction of Defective Work. Contractor shall provide warranties and correct defective Work in accordance with Section 4.9 of the General Conditions.

ARTICLE 5 – TOWN RESPONSIBILITIES

- 5.1 Town shall have the responsibilities, and provide the information specified in, and subject to the conditions set forth in, Section 5 of the General Conditions.

ARTICLE 6 - CONTRACT TIME

6.1 Contract Time.

6.1.1 The Contract Time shall start with the Notice to Proceed (NTP) and end with Final Acceptance, as set forth Section 6.4 below. The Notice to Proceed cannot be issued until approval of this Contract Town

6.1.2 The Contract Time shall be as set forth in the Project Schedule. Contractor agrees that it will commence performance of the Work and complete the Project within the Contract Time.

6.1.3 Time is of the essence of this Contract, for the Project, and for each phase and/or designated Milestone thereof.

6.1.4 Failure on the part of Contractor to adhere to the approved Project Schedule will be deemed a material breach and sufficient grounds for termination of this Contract by Town.

- 6.2 Project Schedule. The Project Schedule shall be provided with the bid. Schedule as set forth and/or an Exhibit to this Contract shall be updated and maintained throughout Contractor's performance under this Contract in accordance with Section 6.2 of the General Conditions.

6.3 Final Completion and Final Acceptance.

6.3.1 Final Completion will be obtained within the time period set forth in the Project Schedule, which is **fourteen (14) weeks.**

6.3.2 Final Completion will be determined and Final Acceptance will be issued pursuant to Section 6.4 of the General Conditions.

6.4 Liquidated Damages.

6.4.1 Liquidated Damages. Contractor acknowledges and agrees that if Contractor fails to obtain Completion of the Work within the

Contract Time, Town will sustain extensive damages and serious loss as a result of such failure. The exact amount of such damages will be extremely difficult to ascertain. Therefore, Town and Contractor agree that if Contractor fails to achieve Completion of the Work within the Contract Time, Town shall be entitled to retain or recover from Contractor, as liquidated damages and not as a penalty, the following per diem amounts commencing from the Completion Date required under the Contract until the actual date of the Completion of the work.

- 6.4.2 MAG Liquidated Damages. If no liquidated damages are specified in Sections 6.4.1 above, then the liquidated damages provisions in MAG § 108.9 shall apply.
- 6.4.3 Town may deduct liquidated damages described in this Section 6.4 above from any unpaid amounts then or thereafter due Contractor under this Agreement. Any liquidated damages not so deducted from any unpaid amounts due Contractor shall be payable to Town at the demand of Town, together with interest from the date of the demand at the highest lawful rate of interest payable by Contractor.
- 6.4.4 Nothing herein shall be deemed to constitute a waiver of any other remedy available to Town in the event of Contractor's default under this Contract prior to full performance of the Work including, as applicable, specific performance or completion of the Work on behalf of Contractor, the cost and expense of which shall be offset against any monies then or thereafter due to Contractor (if any) and otherwise immediately reimbursed to Town by Contractor.

ARTICLE 7 - CONTRACT PRICE

7.1 Contact Price.

7.1.1 In exchange for Contractor's full, timely, and acceptable performance and construction of the Work under this Contract, and subject to all of the terms of this Contract, Town will pay Contractor the "Contract Price", which is \$_____.

7.1.2 The Contract Price is all inclusive and specifically includes all fees, costs, insurance and bond premiums, and taxes of any type necessary to fully, properly and timely perform and construct the Work.

7.2 Costs. For any portion of the Work which, either through this Contract, Change Order or otherwise, is performed and paid for on a cost or time and materials basis which may be reimbursed to Contractor and/or chargeable against the Contract Price.

ARTICLE 8 – PAYMENT

Payments shall be made to Contractor in accordance with Section 8 of the General Conditions.

The Town will retain 10% of the contract cost until the entire project is complete in accordance with the scope of work. Half of the retainage will be paid out upon completion of 50% of the project.

ARTICLE 9 – CHANGES TO THE CONTRACT

Changes to the Contract may be made in strict accordance with Section 9 of the General Conditions.

ARTICLE 10 – SUSPENSION AND TERMINATION

This Contract may be suspended and/or terminated in accordance with Section 10 of the General Conditions.

ARTICLE 11 – INSURANCE AND BONDS

- 11.1 Contractor shall provide Insurance as provided in the Insurance Requirement, and in accordance with Section 11.1 of the General Conditions. Contractor shall provide proof of such insurance and all required endorsements in forms acceptable to Town prior to commencing any Work under this Contract.
- 11.2 Contractor shall provide performance and payment bonds to Town in accordance with Section 11.2 of the General Conditions.
- 11.3 Failure to provide proof of insurance and the required endorsements, or the required bonds, in forms acceptable to Town, will be a material breach and grounds for termination for cause of this Contract.

ARTICLE 12 – INDEMNIFICATION

Contractor shall have and assume the indemnity obligations set forth in Section 12 of the General Conditions.

ARTICLE 13 - DISPUTE RESOLUTION

Any claims or disputes relating to this Contract shall be resolved according to the dispute resolution process set forth in Section 13 of the General Conditions.

ARTICLE 14 – MISCELLANEOUS PROVISIONS

The miscellaneous provisions set forth in Section 14 of the General Conditions shall apply to this Contract.

IN WITNESS WHEREOF, the parties hereto have executed this Contract through their duly authorized representatives and bind their respective entities as of the effective date.

TOWN OF FLORENCE:

CONTRACTOR:

By: _____

By: _____

Its: _____

ATTEST:

Town Clerk

REVIEWED AS TO FORM:

Town Attorney

GENERAL CONDITIONS OF CONTRACT

These terms will be the General Conditions for any Contract and are incorporated therein and shall be fully binding upon the Bidder/Contractor.

SECTION 1 — SCOPE OF THESE GENERAL CONDITIONS

These General Conditions encompass provisions that apply, and are incorporated into all construction contracts entered into by the Town of Florence, unless otherwise specifically excluded in the executed Contract. Sections 2 through 14 of these General Conditions apply to all construction contracts, in whatever form, including without limitation, Fixed Price, Construction Manager at Risk (CM@Risk), Guaranteed Maximum Price (GMP) Cost-Based, and Job Order Contracts (JOC).

SECTION 2 — GENERAL DEFINITIONS

- 2.1. The Definitions in the Invitation for Bid (IFB), the Request for Proposals (RFP), the Request for Qualifications (RFQ) and/or the JOC Solicitation (JOC) giving rise to the Contract shall apply to these General Conditions and the Contract for the Project.
- 2.2. **Change Order** – A written instrument issued after execution of the Contract Documents signed by Town and Contractor, stating their agreement upon all of the following: the addition, deletion or revision in the scope of services or deliverables; the amount of the adjustment to the Contract Price, the extent of the adjustment to the Contract Time, or modifications of other contract terms. The Contract Price and the Contract Time may be changed only by Change Order.
- 2.3. **Town (Owner or OWNER)** – Town of Florence, Arizona, a municipal corporation, with whom Contractor has entered into the Contract and for whom the Services and/or Work are to be provided pursuant to the Contract(s).
- 2.4. **Contract** – The written agreement executed between Town and Contractor, including all of the Contract Documents.
- 2.5. **Contract Documents** – The documents which together form the Contract between Town and Contractor, as identified in Article 2 of the Contract, or are otherwise incorporated into the Contract, including the Contract, the exhibits thereto, these General Conditions, any Notice to Proceed, and any Job Order (if applicable), the Plans and Specifications, Project Schedule, written and properly executed Change Orders, MAG Specifications and Town's amendments thereto, and any other documents so designated in the Contract.
- 2.6. **Contract Price** – The agreed-upon price to be paid to Contractor for full, timely, and acceptable completion of the Services or Work under the terms of the Contract.

- 2.7. **Contract Time(s)** – The number of days or the dates related to the Final Completion as stated in Contract Documents. The Contract Time is set forth in the Contract, and is based upon the Project Schedule agreed to by Town in writing.
- 2.8. **Contractor** – The person or corporation with whom Town has entered into an agreement for construction related work or services in relation to the Project at issue. As used in these General Conditions, the term Contractor includes the company under contract with Town to provide pre-construction and/or construction services.
- 2.9. **Contractor Payment Request** – The form that is accepted by Town and used by Contractor in requesting progress payments or final payment and which shall include such supporting documentation as is required by the Contract Documents and/or Town.
- 2.10. **Construction Documents** – The plans, specifications, and drawings prepared and issued by the Design Professional and approved by Town for construction, meaning the documents are sealed by the Contractor (as required), acceptable for permitting and incorporated into the Contract by reference. All amendments and modifications to the Construction Documents must be approved in writing by Town prior to incorporation into the Contract.
- 2.11. **Critical Path** – Critical path is the sequence of project network activities which add up to the longest overall duration. Once established in the Project Schedule, the Critical Path for the Project shall not be changed without prior written approval of Town.
- 2.12. **Day** Calendar day(s) unless otherwise specifically stated in the Contract Documents.
- 2.13. **Float** – The number of days by which an activity can be delayed without lengthening the Critical Path and extending the Contract Time. Unless otherwise expressly agreed in writing, all Float belongs to Town.
- 2.14. **MAG Specifications** – The latest revision of the latest edition (or the latest edition adopted by the Town) of the Uniform Standard Specifications for Public Works Construction published by MAG.
- 2.15. **MAG Standard Details** – The latest revision of the latest edition (or the latest edition adopted by the Town) of Uniform Standard Details as published by MAG.
- 2.16. **Notice to Proceed (NTP)** – A written notice given by Town to Contractor fixing the date on which Contractor will start to perform Contractor's obligations under the Contract. The Notice to Proceed shall not be issued until the Contract Price is approved and accepted by Town.
- 2.17. **Project** – The Project specified in the Contract (including a Job Order).

- 2.18. Project Manager** – Town Engineer or his designee will serve as the Project Manager designated in Article 1 of the Contract, or any successor thereto designated by Town. The Project Manager has the authority to act on behalf of Town, as delineated and limited by the Contract Documents and applicable law. Town shall communicate with Contractor through the Project Manager; however, the Project Manager has no authority to bind Town or Town Council in contravention of any Town code, State or Federal statute or regulation, or these General Conditions.
- 2.19. Project Schedule** – The schedule for the completion of the Project agreed to and/or required by Town and incorporated into the Contract.
- 2.20. Project Specific Provisions** – Additional conditions which apply to the specific Project and/or Scope of Work.
- 2.21. Proposal** – A Proposal submitted to the Town by a Contractor in response to an Invitation for Bid (IFB), Request for Qualifications (RFQ), a Request for Proposals (RFP) or other solicitation or request by the Town. Proposals may be Fixed Price, Guaranteed Maximum Price (GMP), Unit Price, or other form as required or requested by the Town in the Bid Schedule.
- 2.22. Requests for Information (RFIs)** – Formal written request from Contractor to Town and/or Contractor for the Project seeking clarification or additional information needed for Contractor to properly complete the Work and/or Services under the Contract. Town may require RFI's to be submitted on a specific form or in a specified format.
- 2.23. Schedule of Values (SOV)** – The specified document prepared by Contractor, and approved and accepted by Town, which divides the Contract Price into pay items, such that the sum of all pay items equals the Contract Price for the construction phase Work, or for any portion of the Work having a separate specified Contract Price.
- 2.24. Scope of Work** – The scope of work agreed to and/or required by Town and incorporated into the Contract as set forth in the ITB and/or an Exhibit to the Contract.
- 2.25. Subconsultant** – A person, firm or corporation having a Contract with Consultant/Contractor to furnish services required as its independent professional associate or consultant with respect to the Project.
- 2.26. Subcontractor** – An individual or firm having a direct Contract with Contractor or any other individual or firm having a Contract with the aforesaid contractors at any tier, who undertakes to perform a part of the pre-construction services or construction phase Work at the site for which Contractor is responsible. Subcontractors shall be selected through the Subcontractor selection process described in the Contract Documents, if any.

- 2.27. Total Float** – Number of Days by which the pre-construction services or construction phase Work or any part of the same may be delayed without necessarily extending a pertinent Contract Time or schedule milestone in the Project Schedule.
- 2.28. Work** – The entire completion of construction or the various separately identifiable parts thereof, required to be furnished during the construction phase. Work includes and is the result of performing or furnishing labor and furnishing and incorporating materials, resources and equipment into the construction, and performing or furnishing services and documents as required by the Contract Documents for the construction phase.

SECTION 3 — STANDARD SPECIFICATIONS AND DETAILS

- 3.1.** Town operates under the latest revision of the MAG Specifications as amended by Town.
- 3.2.** Town also operates under the MAG Standard Details, as amended by Town.
- 3.3.** Copies of the MAG Specifications and MAG Standard Details are available at the Maricopa Association of Governments office, 302 N. 1st Avenue, Suite 300, Phoenix, Arizona. They may also be downloaded at their Web site: <http://www.mag.maricopa.gov/under> "Publications."
- 3.4.** The MAG Specifications and Standard Details and Town's amendments thereto are incorporated into the Contract.

SECTION 4 — CONTRACTOR'S RESPONSIBILITIES FOR CONSTRUCTION SERVICES

4.1 General

- 4.1.1** Contractor shall construct the Work in accordance with the Contract Documents and as outlined in the Contract Documents to the satisfaction of Town, exercising the degree of professional care, skill, diligence, quality and judgment that a professional Contractor engaged, experienced and specializing in the construction of facilities of similar scope, function, size, quality, complexity and detail in urban areas throughout the United States comparable to the Town would exercise at such time, under similar conditions. Contractor shall, at all times, perform the Work in conformance with sound and generally accepted engineering principles and construction management and construction contracting practices.
- 4.1.2** Contractor shall comply with, and require all Subcontractors to comply with, the Arizona Contractors' license laws, including all requirements with respect to being duly registered and licensed.
- 4.1.3 Immigration Laws:** Pursuant to A.R.S. § 41-4401, Contractor warrants to Town that Contractor and all its subcontractors are in

compliance and will comply with all Federal Immigration laws and regulations that relate to their employees and with the E-Verify Program under A.R.S. § 23-214(A). Contractor acknowledges that a breach of this warranty by Contractor or any of its subcontractors is a material breach of this Agreement subject to penalties up to and including termination of the Contract or any subcontract. The Town retains the legal right to inspect the papers of any employee of or any subcontractor who works on this Contract to ensure compliance with this warranty, and may conduct random verification of the employment records of Contractor and any of its subcontractors to ensure compliance with this warranty. Town will not consider Contractor or any of its subcontractors in material breach of the foregoing warranty if Contractor and its subcontractors establish that they have complied with the employment verification provisions prescribed by 8 USCA § 1324(a) and (b) of the Federal Immigration and Nationality Act and the e-verify requirements prescribed by Arizona Revised Statutes § 23-214(A). The provisions of this Section must be included in any agreement Contractor enters into with its subcontractors who provide services under this Agreement or any subcontract. "Services" are 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. Breach of this warranty shall constitute a material breach of the contract and shall subject the Contractor to penalties including termination of the Agreement at the sole discretion of the Town.

- 4.1.4 Contractor further understands and acknowledges the applicability to it of the American with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989. The Contractor understands and Acknowledges that it must also comply with A.R.S. § 34-301, "Employment of Aliens on Public Works Prohibited", and A.R.S. § 34-302, as amended, "Residence Requirements for Employees," and A.R.S. §§ 1-501 and 502.

4.2 Contractor's Pre-Contract and Pre-Work Deliverables

- 4.2.1 Before beginning any Work under the Contract, Contractor shall execute the Contract and deliver to Town the items listed in Sections 4.2.2 below within seven (7) days after the award of the Contract and the Contract must be executed by Town. Failure to do so will be a material breach of the Contract entitling Town to terminate the Contract for Cause.
- 4.2.2 When Contractor delivers the executed Contract to Town, Contractor shall also deliver to Town such bonds and certificates of insurance with endorsements in such amounts (and other evidence of insurance requested by Town) required under Section 11 of these General Conditions, and as the Contract requires.

4.2.3 Government Approvals and Permits. Contractor shall obtain all necessary permits for the Work and pay all applicable fees, unless otherwise noted on the plans and in the specifications. Contractor is specifically notified of the need to obtain traffic control permits from the Arizona Department of Transportation (ADOT) and the necessary environmental permits or file the necessary environmental and regulatory permit notices. Copies of all permits and the associated notices must be provided to Town prior to starting the permitted activity.

4.3 Pre-Construction Conference

4.3.1 Prior to the commencement of any Work, Town may schedule a Pre-Construction Conference.

4.3.2 Prior to the Pre-construction Conference, Contractor shall provide the Project Manager with a Schedule of Values reflecting the subcontracts and other categories that will be used to submit Pay Applications for the Work. The total amount of the Schedule of Values shall not be greater than the Contract Price and shall identify Contractor's Contingency, if applicable. The Schedule of Values shall be reviewed at the Pre-Construction Conference and revised in response to comments and questions from Town. Once accepted by Town in writing, the Schedule of Values for the Project will not be changed without the prior written approval of Town.

4.4 Performance of the Work (Including Field Measurements, Subcontractors and Suppliers)

4.4.1 Unless otherwise provided in the Contract Documents to be the responsibility of Town or a separate Contractor, Contractor shall provide through itself or Subcontractors the necessary supervision, labor, inspection, testing, start-up, material, equipment, machinery, temporary utilities and other temporary facilities to permit Contractor to complete the Work consistent with the Contract Documents.

4.4.2 Contractor's Superintendent shall be present at the Site at all times that material Work under this Contract is taking place. Contractor's Superintendent or designee shall be present at the Site at all times any other Work under this Contract is taking place. All elements of the Work shall be under the direct supervision of a foreman or his designated representative on the Site who shall have the authority to take actions required to properly carry out that particular element of the work.

4.4.3 Before ordering materials or doing work, Contractor and each Subcontractor shall verify measurements at the Site and shall be responsible for the correctness of such measurements. No extra charge or compensation will be allowed because of differences

between actual dimensions and the dimensions indicated on the Contract Documents, including the drawings.

- 4.4.4 If Contractor observes error, discrepancies or omissions in the Contract Documents, it shall promptly notify the Contractor and Town and request clarification. Contractor shall be liable to Town for damages resulting from error, inconsistencies or omissions in the Contract Documents or for differences between field measurements or conditions in the Contract Documents. If Contractor, with the exercise of reasonable care, should have recognized such error, inconsistency, omission or difference and fails to report it to Town, and if Contractor proceeds with the Work affected by such observed errors, discrepancies or omissions, without receiving such clarifications, it does so at its own risk.
- 4.4.5 In all cases of interconnection of its Work with existing or other work, Contractor shall verify at the Site all dimensions relating to such existing or other work. Any errors due to Contractor's failure to so verify all such grades, elevations, locations or dimensions shall be promptly rectified by Contractor without any increase in the Contract Price. Any design errors or omissions noted by Contractor during this review shall be reported promptly to Town.
- 4.4.6 Contractor shall be responsible for the proper performance of the Work of Subcontractors and any acts and omissions in connection with such performance. Nothing in the Contract Documents is intended or deemed to create any legal or contractual relationship between Town and any Subcontractor or Sub-Subcontractor, including but not limited to any third-party beneficiary rights.
- 4.4.7 Contractor will not substitute or change any Subcontractor or Supplier without the prior written approval of Town. Any substitute or replacement Subcontractor or Supplier shall be required to meet the same qualifications and selection criteria and process as the original Subcontractor or Supplier. If a Subcontract/Supplier selection plan has been approved by Town, Contractor will follow that plan unless otherwise approved by Town in writing.
- 4.4.8 Contractor shall not change or replace the Contractor's Project Manager or Superintendent on this project without an explanation for the change being given to Town, and receiving prior written approval of the change from Town, which approval will not be unreasonably withheld.
- 4.4.9 Subcontractors whose scope of work has a value greater than 15% of the total Contract Price may be required to furnish performance and payment bonds to Contractor if directed in writing by Town.

4.5 Control of the Project Site

- 4.5.1 Throughout all phases of construction, including suspension of Work, Contractor shall keep the Site reasonably free from debris, trash and construction wastes to permit Contractor to perform its construction services efficiently, safely and without interfering with the use of adjacent land areas. Prior to Final Acceptance of the Work, or a portion of the Work, Contractor shall remove all debris, trash, construction wastes, materials, equipment, machinery and tools arising from the Work or applicable portions thereof to permit Town to occupy the Project or a portion of the Project for its intended use
- 4.5.2 Contractor shall take whatever steps, procedures or means necessary to prevent dust nuisance due to construction operations. The dust control measures shall be maintained at all times to the satisfaction of Town and in accordance with the requirements of the Pinal County Bureau of Air Pollution Control Rules and Regulations.
- 4.5.3 Contractor shall be responsible to Town for the acts and omissions of Contractor's employees, Subcontractors and their agents and employees, and any other person performing any of the Work under a Contract with Contractor, or claiming by, through or under Contractor, for all damages, losses, costs and expenses resulting from such acts or omissions.

4.6 Project Safety

- 4.6.1 Contractor is responsible for safety of the job site for employees of Contractor as well as for members of the general public and others who may drive or walk through or be at the site.
- 4.6.2 Contractor assumes responsibility for implementing and monitoring all safety precautions and programs related to the performance of the Work.
- 4.6.3 Contractor shall provide a "competent person" as required by O.S.H.A regulations. The "competent person" shall be identified at the Pre-Construction Conference with Town advised in writing of any changes.
- 4.6.4 Contractor and Subcontractors shall comply with all legal and regulatory requirements relating to safety, as well as any Town specific safety requirements set forth in the Contract Documents, provided that such Town-specific requirements do not violate any applicable legal and regulatory requirements.
- 4.6.5 As between Town and Contractor, Contractor is responsible to Town for any and all the safety issues relating to the Work on the

Project. Contractor shall administer and manage the safety program. This will include, but not necessarily be limited to review of the safety programs of each Subcontractor. Contractor shall monitor the establishment and execution of compliance with all applicable regulatory and advisory agency construction safety standards.

4.6.6 Contractor shall maintain and have sole responsibility for safety on the job site.

4.7 Materials Quality, Substitutions and Shop Drawings

4.7.1 Quality Control and Quality Assurance Testing. All construction materials shall be in compliance with the WIFA Contract Packet for Governmental Borrowers. In addition, all construction materials to be used or incorporated in the Project are subject to inspection, Quality Control & Quality Assurance Testing, and approval or rejection by Town. Any material rejected by Town shall be removed immediately and replaced in an acceptable manner to Town at no additional cost to Town. When QC/QA tests indicate noncompliance with the Contract Documents, retesting shall be performed by the same testing laboratory that performed the tests that indicated noncompliance.

4.7.2 Shop Drawings

4.7.2.1 Contractor shall prepare and submit Shop Drawings which show details of all work to insure proper installation of the Work using those materials and equipment specified under the Approved Plans and Specifications.

4.7.2.2 A schedule of Shop Drawing submissions shall be submitted with the Project Schedule for Town approval that avoids bulk submissions to the extent reasonably possible. Unless otherwise noted, Shop Drawings will not be required for items specified or detailed in the Uniform Standard Specifications and Details or the Technical Specifications. The schedule of Shop Drawing submissions shall include all of the items for which Shop Drawings are required by the Contract Documents, including the Specifications.

4.7.2.3 Shop Drawings shall be numbered consecutively for each specification section and shall accurately and distinctly present the following:

- (a) All working and erection dimensions.
- (b) Arrangements and sectional views.

- (c) Necessary details, including complete information for making connections between work under this Contract and work under other Contracts.
- (d) Kinds of materials and finishes.
- (e) Parts list and description thereof.

4.7.2.4 Contractor shall schedule, prepare and submit all shop drawings in accordance with a time-table that will allow its suppliers and manufacturers sufficient time to fabricate, manufacture, inspect, test and deliver their respective products to the project site in a timely manner so as to not delay the complete performance of the work.

4.7.2.5 The review of Shop Drawings will be general and shall not relieve Contractor of responsibility for the accuracy of such drawings, nor for the proper fitting and construction of the Work, nor for the furnishing of materials or Work required by the Contract. No construction called for by Shop Drawings shall be initiated until such drawings have been reviewed and approved by Town.

4.7.3 Long Lead Time Items. Contractor shall submit Shop Drawings, as required by the Engineer, on all long lead items to be furnished and installed as part of the project within ten (10) days after execution of the Contract. In addition, Contractor shall order all long lead items to be furnished and installed as part of this Project within (3) days after receiving approved Shop Drawings. For all long lead times for which shop drawings are not required, Contractor shall order said long lead items within fifteen (15) days after execution of the Contract. Within two (2) days after ordering long lead items, Contractor shall supply copies of all purchase orders, along with an accurate delivery schedule from the supplier.

4.8 Project Record Documents

4.8.1 Contractor shall ensure that any and all changes or modifications done as a result of field changes are accurately reflected in red-lined markings. At the completion of construction, all red-lines and markings shall be compiled to aid in the creation of "as-built" plans.

4.9 Warranty and Correction of Defective Work

4.9.1 Contractor warrants to Town that the construction of the Work shall be of good and workmanlike quality and completed in strict conformance with all applicable laws, rules and regulations and the plans and specifications and all other terms and conditions of the Contract Documents, including all materials and equipment furnished as part of the construction, shall be new unless otherwise specified in the Contract Documents, of good quality, in

conformance with the Contract Documents and free of defects in materials and workmanship.

- 4.9.2 The date of Final Completion shall be the beginning of the Warranty period, irrespective of early completion by some Subcontractors of their work.
- 4.9.3 Contractor's warranty obligation shall be in accordance with MAG Specifications.
- 4.9.4 In addition, unless otherwise specified in the Contract Documents, Contractor and Subcontractors shall provide to Town all of the following written warranties that apply to the Work, in a form acceptable to Town.
 - (a) General Warranty — Two (2) years.
 - (b) Mechanical Contractor — Two (2) years.
 - (c) Plumbing Contractor — Two (2) years.
 - (d) Electrical Contractor — Two (2) years.
 - (e) Caulking — One (1) year.
 - (f) Steel Joists, Certificate of Manufacture.
 - (g) Exterior Metal Wall System — Five (5) years.
 - (h) Painting — One (1) year.
 - (i) Termite — Five (5) years.
 - (j) Sheet Metal: Zinc coating thickness on hot-dipped galvanized.
 - (k) Metals- One (1) year.
- 4.9.5 Nothing in the warranties contained in the Contract Documents are intended to limit any manufacturer's warranty which provides Town with greater warranty rights than set forth in this Section or the Contract Documents. Contractor will provide Town with all manufacturers' warranties prior to Final Acceptance.
- 4.9.6. A progress payment, or partial or entire use or occupancy of the Project by Town, shall not constitute acceptance of Work not in accordance with the Contract Documents.
- 4.9.7 Without limiting the foregoing or anything in these General Conditions or the Contract to the contrary, Contractor shall obtain and provide to Town all warranties for any portion of the Project offered by the manufacturer, installer or provider thereof. Town and the user of the facility shall have the right to the full value and benefit of all such warranties. Contractor will ensure all such warranties are fully transferrable to facilitate the full value of this Section 4.9.9.

SECTION 5 — TOWN'S RESPONSIBILITIES

- 5.1 **Town Project Manager** - Project Manager is responsible for providing Town-supplied information and approvals in a timely manner to assist Contractor to fulfill its obligations under the Contract Documents.
- 5.2 **Contractor Services** - Town may contract separately with one or more Contractors to provide construction administration of the Project. The Contractor's Contract, as well as other firms hired by Town shall be furnished to Contractor. Contractor shall not have the right to limit or restrict or reject any Contract modifications that are mutually acceptable to Town and Contractor.

SECTION 6 — CONTRACT TIME

6.1 Contract Time

- 6.1.1 The Contract Time shall start with the Notice to Proceed ("NTP") and end with Final Acceptance, as set forth in Section 6.4 below.
- 6.1.2 The Notice to proceed shall be issued in accordance with MAG Specifications § 108.
- 6.1.3 The Contract Time shall be as set forth in the Project Schedule. Contractor agrees that it will commence performance of the Work and complete the Project within the Contract Time.
- 6.1.4 Time is of the essence of this Contract, for the Project, for the Work, and for each phase and/or designated Milestone thereof.

6.2 Project Schedule

- 6.2.1 The Project Schedule shall be updated and maintained throughout the Contract Time.
- 6.2.2 The Project Schedule shall be revised as required by conditions and progress of the Work, but such revisions shall not relieve Contractor of its obligations to complete the Work within the Contract Time, as adjusted in accordance with the Contract Documents. No modification to the Contract Documents or the Contract Time shall be effective unless approved in advance by Town.
- 6.2.3 An updated Project Schedule shall be submitted monthly to Town as part of the Payment Request.
- 6.2.4 Contractor shall provide Town with a monthly status report with each Project Schedule detailing the progress of the Work, including: (i) if the Work is proceeding according to schedule, (ii) any discrepancies, conflicts, or ambiguities found to exist in the Contract Documents that require resolution, and (iii) other

information detailing items that require resolution so as not to jeopardize the ability to complete the Work in the Contract Time.

6.2.5 Acceptance of a submitted schedule by Town should in no way be construed as an affirmation or admission that the schedule is reasonable or workable by Contractor. The responsibility for completing the Work on the Project within the Contract Time remains the obligation of Contractor. Town's review shall not relieve Contractor from compliance with the requirements of the Contract Documents or be construed as relieving Contractor of its complete and exclusive control over the means, methods, sequences and techniques for executing the work.

6.2.6 Critical Path Method (CPM)

6.2.6.1 Unless otherwise specified in the Contract, the Project Schedule shall include a Critical Path Method (CPM) diagram schedule showing the sequence of activities, the interdependence of each activity and identifies the Critical Path.

6.2.6.2 The CPM diagram schedule shall be in calendar Days and indicate duration, earliest and latest start and finish dates for all activities, and total Float Times for all activities except critical activities. The CPM diagram shall be presented in a time scaled graphical format for the Project as a whole.

6.2.7 Float Time

6.2.7.1 The total Float Time within the overall schedule is for the exclusive use of Town, but Town may approve Contractor's use of Float as needed to meet contract Milestones and the Project completion date.

6.2.7.2 Contractor shall not be allowed to sequence, hide, or reallocate Float Time through such strategies, as extending activity duration estimates to consume available Float, using preferential logic, or using extensive crew/resource sequencing, tec. No time extensions will be granted nor delay damages paid until a delay occurs which extends the Work beyond the Contract Time.

6.2.7.3 Rain-Related Delays. Contractor is required, in preparing the Project Schedule to take into account all relevant weather conditions, including normal rainfall and distribution. No

additional Compensation shall be given for any rain-related delays or impacts on the Work or the Project Schedule. The burden of documenting normal rainfall, the excessive rainfall and the impact on Critical Path activities is on Contractor.

6.3 Section Not Used

6.4 Final Acceptance and Final Completion

6.4.1 Unless otherwise expressly agreed to in writing by Town, Final Completion must be obtained by no later than 120 calendar days after the date of Notice to Proceed. Failure to timely obtain Final Completion will be a material breach of the Contract.

6.4.2 Upon receipt of written notice that the Work is ready for final inspection and acceptance, Town and Contractor will jointly inspect to verify that the remaining items of Work have been completed. There shall be no partial acceptance. Final Acceptance shall not be issued and Final Completion shall not occur until all items of work, including Punch List Items, have been completed to Town's satisfaction as reflected in the written Final Acceptance.

6.4.3 Final Payment under Section 8.4 below shall not be due, owing, or paid by Town until Final Completion is obtained.

SECTION 7 — CONTRACT PRICE

7.1 **Fixed Price Contracts** - The Contract Price for all Fixed Price Contracts shall be the amount set forth in the Contract.

7.2 **Town Sales Tax** - Contractor is required to pay Sales Taxes on any contracting activity done for the Town, and this cost shall be included in all Contract Prices.

SECTION 8 — PAYMENT

8.1 Payment For Construction Services

8.1.1 Subject to the terms of the Contract Documents, including this Section 8, payment for the Work will be made in accordance with MAG Specifications § 109 as amended below.

8.1.2 In MAG Specifications § 109.7 (A), replace the first paragraph of the subsection with the following:

Town will make monthly progress payments during the course of the Contract. The payments (estimates of work completed) will be prepared by Contractor on form provided by Town, and approved by Project

Manager. The monthly payment cycle will start with the date of the Notice to Proceed. Town may process payments more frequently if requested by Contractor and agreed to in writing by Town.

8.1.3 Payments shall be made pursuant to A.R.S. § 34-221 and/or § 34-609, as applicable.

8.1.4 When construction of the Project is fifty percent (50%) completed, Contractor may request payment of one-half of the retention pursuant to A.R.S. § 34-221(C)(3) and/or §34-609(B)(3), subject to all of Town's rights to withhold or offset payments, and/or other rights of Town, under the Contract.

8.1.5 Town reserves the right under A.R.S. § 34-221(C)(3) and/or § 34-609(B)(3) to reinstate the ten percent (10%) retention if Town determines that satisfactory progress is not being made.

8.2 Final Payment - Subject to all of Town's rights to withhold or offset payment, and other rights under the Contract, Final Payment including remaining retainage shall be paid only after: (i) the Work has been fully completed (including completion of all incorrect or incomplete work items) and the written Final Acceptance has been issued by Town; (ii) necessary operating manuals, any excess materials and supplies necessary for matching materials and supplies incorporated into the Work, and complete "as-built" drawings (including the Building Information Model, if required by the Contract Documents), plans and specifications have been delivered to Town; (iii) full and unconditional lien waivers and releases by Contractor and any person performing labor or supplying material, machinery, fixtures, or tools for the Work have been delivered to Contractor; (iv) all conditions and requirements imposed by Town or any financing entity for the corresponding disbursement have been met; and (v) Contractor delivers to Town a Contractor Payment Request Form requesting Final Payment.

8.3 Town's Right to Withhold Payment Town may withhold payment to such extent as may be necessary in Town's opinion to protect Town from loss for which Contractor is responsible, including, without limitation:

- i. Defective Work not remedied;
- ii. Third party claims filed or reasonable evidence indicating probable filing of such claims unless security acceptable to the Town is provided by Contractor;
- iii. Failure of Contractor to make payments properly to Subcontractors or for labor, materials or equipment;
- iv. Reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- v. Damage to the Town or another Contractor;

- vi. Reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- vii. Persistent failure to carry out the Work in accordance with the Contract Documents.

8.4 Joint/Direct Checks - Payments to Contractor may be made by checks payable jointly to Contractor and its employees, agents, subcontractors and suppliers, or any of them, and when in the sole opinion of the Town it is advisable, payments may be made directly to Contractor's subcontractors and any amount so paid shall be deducted from the amounts owed to Contractor under this Contract.

8.5 Payment Not A Waiver - No payment (nor use or occupancy of the Project by the Town) shall be deemed acceptance or approval of the Work or as a waiver of any claims, rights, or remedies of Town.

8.6 Liens and Bond Claims - Contractor shall make all payments, in the time required, of all labor and materials furnished to Contractor in the course of the Work and shall promptly furnish evidence of such payments as Town may require. Contractor shall pay when due all claims arising out of performance of the Work covered by this Contract for which a lien may be filed either against the real estate or leasehold interest of Town, or against payments due from Town to Contractor, or for which a claim may be made against any payment or performance bond or both. To the fullest extent permitted by law, Contractor agrees that no liens or other claims in the nature of a lien against the real estate, leasehold, or other interest of Town, against payment due from Town to Contractor, or against any payment or performance bond, shall be filed or made in connection with the Work by any party who has supplied professional services, labor, materials, machinery, fixtures, tools, or equipment used in or in connection with the performance of this Contract, and Contractor agrees to remove or to cause to be removed any such liens or claims in the nature of a lien or bond claim within ten (10) days upon receiving notice or obtaining actual knowledge of the existence of such liens or claim. In addition, Contractor agrees to defend, indemnify, and hold harmless Town from and against any and all such liens and claims. This paragraph does not apply to claims and liens of Contractor due to non-payment for work performed.

8.7 Financial Record Keeping and Town's Audit Right

8.7.1 Records for all Contracts between Town and Contractor shall, upon reasonable notice, be open to inspection and subject to audit, scanning, and/or reproduction during normal business working hours. Town or its designee may conduct such audits or inspections throughout the term of this Contract and for a period of three years after Final Payment or longer if required by law.

- 8.7.2 Town, its authorized representative, and/or the appropriate agency, reserve the right to audit Contractor's records in compliance with local, state or federal policies, statutes or at Town's discretion, within three (3) years of Final Acceptance of the Work.

SECTION 9 — CHANGES TO THE CONTRACT

9.1 Extra Work/Changes in the Work

- 9.1.1 Town reserves the right to make such changes in the plans and specifications for the Work, as it may deem appropriate and any such change as set forth in a written Change Order or Extra Work Order shall be deemed a part of this Contract as if originally incorporated herein.
- 9.1.2 Contractor shall not be entitled to payment for additional work unless a written Change Order or Extra Work Order, in form and content prescribed by Town, has been executed by Town prior to starting the additional work.
- 9.1.3 Any agreement which modifies the terms of the Contract (including Change Orders) shall be approved in writing by the Project Manager and approved by the Florence Town Council if necessary. Once properly executed by both parties, these modifications to the Contract shall have the same effect as if they had been included in the original Contract.

- 9.2 **Accuracy of Change Order Pricing Information** Signature by the contracting parties shall constitute full accord and satisfaction between Town and Contractor for all costs, damages, and expenses of whatever kind of nature, including delay, impact or acceleration damages, which may be occasioned by a Change Order or other modification of the Contract, agreed to in writing.

SECTION 10 — SUSPENSION AND TERMINATION

- 10.1 **Suspension** - Town may suspend the Contract and/or Contractor's performance in accordance with MAG Specifications § 105.1.

10.2 Termination by the Town for Cause

10.2.1 MAG Specifications § 108.10 and 108.11 applies to the Contract.

- 10.3 **Termination by Town for Convenience** - Town may also terminate the Contract at any time for its convenience upon seven (7) days written notice to Contractor specifying the termination date. In the event of termination which is not the fault, in whole or in part, of Contractor, Town shall pay to Contractor only such compensation, including reimbursable expenses, due for Work properly performed on the Project prior to the termination date. Upon any termination of the Contract, no further payments shall be due from Town to Contractor.

- 10.4** **A.R.S. § 38-511** - The Contract is subject to, and may be terminated by Town in accordance with, the provisions of A.R.S. § 38-511.
- 10.5** **Non-Appropriation** - Town is a government agency which relies upon the appropriation of funds by its governing body to satisfy its obligations. If Town determines that it does not have funds to meet its obligations under the Contract, Town shall have the right to terminate the Contract without penalty on the last day of the fiscal period for which funds were legally available for the Project.
- 10.6** Under no circumstances shall Town have any liability for any costs, expenses, overhead, or profits in relation to any work not actually performed, or for any future or anticipated profits, recovery, damages, expenses, or losses.

SECTION 11 — INSURANCE AND BONDS

11.1 **Insurance Requirements**

11.1.1 Contractor shall obtain, maintain, and provide verification of insurance coverage set forth in the Town's Insurance Requirements, as modified by any applicable Special Provisions, of the Contract.

11.1.2 Town may, in the Contract Documents, designate additional insured(s) along with Town (and their respective employees, members, representatives, agents and affiliates) on all required insurance policies, and all coverage applicable to Town under this Section 11.1 and the Insurance Requirements in the Town's Insurance Requirements shall apply to such designated additional insured(s) as well.

11.2.3 Failure to maintain the insurance policies as required by this Contract or to provide evidence of renewal is a material breach of this Contract.

11.1.4 Subcontractors. Contractor's certificate(s) shall include all Subcontractors as additional insureds under its policies or Contractor shall furnish to Town separate certificates and endorsements for each Subcontractor. All coverages for Subcontractors shall be subject to the minimum requirements set forth in the Contract Documents, including the Town Insurance Requirements.

11.2 **Bonds and Other Performance Security**

11.2.1 Prior to execution of the Contract, Contractor shall provide a Performance Bond and a Payment Bond, each in an amount equal to the full amount of the Contract Price.

- 11.2.2 Each such bond shall be executed by a surety company or companies holding a Certificate of Authority to transact surety business in the State of Arizona, issued by the Director of the Arizona Department of Insurance. A copy of the Certificate of Authority shall accompany the bonds.
- 11.2.3 The bonds shall be made payable and be acceptable to Town. The bond forms for the performance and payment bonds shall be in the forms required under A.R.S. § 34-221, *et seq.*
- 11.2.4 All bonds submitted for this project shall be provided by a company which has been rated AM Best rating of B++6 or better for the prior four quarters by the latest edition of the 'Results Best's Key Rating Guide (Property/Casualty)' published by the A.M. Best Company.
- 11.2.5 Personal or individual bonds are not acceptable.

SECTION 12 - INDEMNIFICATION

- 12.1** To the fullest extent permitted by law, Contractor, its successors and assigns shall defend, indemnify and hold harmless the Town and its agents, representatives, officers, directors, officials and employees from all demands, proceedings, suits, actions, claims, damages, or losses relating to, arising out of, resulting from or alleged to have resulted from the performance of the Work or failure to comply with Contractor's obligations under the Contract Documents or any laws, regulations, or legal requirements. Contractors' duty to defend, indemnify and hold harmless Town and its agents, representatives, officers, directors, officials and employees shall arise in connection with all demands, proceedings, suits, actions, claims, workers' compensation claims, unemployment claims, damages, losses or expenses (including but not limited to attorney's fees, court costs, and the cost of appellate proceedings) that are attributable to personal or bodily injury, sickness, disease, death or injury to, impairment or destruction of property including loss of use resulting therefrom, caused by any act or omission of Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable.
- 12.2** Contractor shall also defend, indemnify and hold harmless Town, any jurisdiction or agency issuing permits for any work involved in the project and their consultants and each of their directors, officers, officials, employees, representatives, directors and agents from and against all losses, expenses, damages (including damages to the Work itself), attorney's fees and other costs including costs of defense, which any of them may incur with respect to the failure, neglect, or refusal of Contractor to faithfully perform the Work and all of the Work and all of Contractor's obligations under the Contract. Such costs, expenses, and damages shall include all costs, including attorney's fees, incurred by the indemnified parties in any lawsuit to which they are a party.

- 12.3 The indemnified party shall have the right to approve the legal counsel selected by Contractor or the insurer of the liability, which approval shall not be unreasonably withheld.
- 12.4 The defense, indemnification, hold harmless provisions and Town's Liability Insurance set forth herein shall survive any termination of the Contract.

SECTION 13 — DISPUTE RESOLUTION

13.1 **Informal Dispute Resolution** - The parties to the Contract agree that time is of the essence in relation to performance of the Contract and completion of the Project, therefore any and all disputes in relation to the Contract will initially be referred to the Town Project Manager and Contractor Project Manager as applicable to the dispute, for immediate resolution. If, after good faith efforts to reach a resolution, none is reached, any party to the dispute may submit the dispute to the Dispute Resolution Representative ("DRR") process set forth below, which is intended to be an expedited process.

13.2 Dispute Resolution Representative (DRR) Process

13.2.1 The Parties under the Contract agree that all claims and disputes in relation to the Project which are not resolved in the ordinary course of the Project (Claim or Claims) shall, as a prerequisite to any mediation, or litigation of the Claim, first be submitted for resolution between the designated Dispute Resolution Representatives of the Parties as set forth herein (the "DRR Process").

13.2.2 The DRR Process shall be initiated through service of a DRR Notice as set forth below:

- (a) For claims by the Contractor, the DRR Process shall be initiated by the party asserting the claim serving written notice on the Town setting forth in detail: (i) the basis for the claim; (ii) the effect of the Claim upon the construction of, and/or Project Schedule for, the Project; (iii) the specific relief requested, the amount thereof, and how such was calculated; (iv) the parties involved in the Claim, and how they are involved; (v) the specific contract provisions in the Contract Documents (including, if applicable, drawings and specifications) which apply; and (vi) efforts made to date to resolve the Claim.
- (b) For claims by the Town, the DRR process will be initiated by the Town providing written notice to the other parties of the basis and amount of its claim, the parties involved in the Claim, and how they are involved, the provisions in the Contract Documents that apply, and the relief requested.
- (c) The DRR Notice shall be hand-delivered and e-mailed to the

other parties' designated Dispute Resolution Representatives.

13.2.3 The other parties shall respond in writing to the DRR Notice (DRR Response) within ten (10) calendar days of receipt of the DRR Notice, setting forth those items set forth in the DRR Notice that they agree with, dispute, and/or have questions concerning. The DRR Response shall be hand-delivered and e-mailed to the other parties' Dispute Resolution Representatives.

13.2.4 The designated Dispute Resolution Representatives for the Parties to the claim shall then meet as soon as possible and in any event within twenty (20) calendar days of submission of the DRR Notice (regardless of whether a DRR Response has been submitted by all parties involved in the dispute), at a mutually agreed upon time and place, to attempt to resolve the Claim based upon the DRR Notice and DRR Response.

13.2.5 At any time after the first meeting required above, either party may terminate the DRR Process by written notice to the other party.

13.2.6 The parties may agree, in writing, to extend or modify the time limits or other provisions of the DRR process in relation to a specific pending Claim.

13.2.7 Unless otherwise designated in a written notice to the other parties, the Project Manager and the representatives of the Contractor and of the Design Professional shall act as the parties' designated Dispute Resolution Representatives.

13.2.8 If a resolution of the Claim is reached, that resolution shall be set forth in writing and shall be signed by the Parties' designated Dispute Resolution Representative. If the resolution involves a change in any Contract Documents, the Contract Price, the Project Schedule, or any other change requiring a written Change Order or Amendment, the parties shall execute an appropriate written Change Order or Amendment pursuant to the terms of the Contract Documents.

13.3 Mediation

13.3.1 Unless extended by written agreement of the parties involved in the dispute, any Claim not resolved through the DRR process set forth above within five (5) calendar days after the meeting required under B (4) above, or after the DRR is terminated pursuant to ¶ B (5) above, whichever is earlier, shall be submitted to mediation as a condition precedent to litigation by either party.

13.3.2 The mediation shall be commenced by written demand upon the other party for mediation. If the parties cannot agree upon a mediator within ten (10) calendar days of the written demand, either

party may make a request to the Civil Presiding Judge of the Gila County Superior Court to appoint a mediator. The mediation shall occur within forth (40) calendar days of the written demand for mediation, unless the parties agree, in writing, to a longer period of time.

13.3.3 The qualifications for the mediator shall be that they be: (a) an experienced mediator, arbitrator or litigator of construction disputes; and (b) having engaged a significant portion of their time involving and/or resolving construction disputes for at least the past five (5) years.

13.3.4 Each party shall provide to the other party and the mediator all of the information and documentation required under B(1) and (2) above, together with any additional information and documentation which the party believes relevant. In addition, the parties shall exchange, and provide to the mediator such additional memoranda, information and/or documentation, as the mediator may request, and in the form and at such times, as the mediator may direct.

13.3.5 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in Florence, Arizona, unless another location is mutually agreed upon. Agreements reached in mediation shall be specifically enforceable in any court having jurisdiction thereof.

13.4 Arbitration

13.4.1 If the mediation is unsuccessful, the parties shall submit the dispute and/or claim to be resolved through binding arbitration conducted according to the then current Construction Industry Arbitration Rules of the AAA, but not administrated or conducted by the AAA, which arbitration shall be held in Gila County, Arizona, utilizing a single arbitrator selected by the parties, unless the parties agree, in writing, to an alternative arbitration procedure.

13.4.2 If: (a) the parties cannot agree on a single arbitrator within two (2) weeks of the demand for arbitration; or (b) the parties at any time prior to the arbitrator being appointed or before the arbitrator has accepted the appointment, cannot agree upon any significant aspect of the arbitration, not already addressed herein, either party may submit the Claim directly to the AAA to select the Arbitrator, and thereafter the arbitration shall be administered by the AAA.

13.4.3 The arbitrator shall be an attorney with at least fifteen (15) years of experience in construction related practice, and whose practice, for at least the last five (5) years, consists of at least 50% construction law.

- 13.4.4 At the request of either party, the arbitration may include as parties, through joinder, consolidation or otherwise, additional persons or entities involved in the Project, involving claims and/or disputes with common issues and/or facts. The arbitrator shall promptly rule upon any request for joinder or consolidation.
- 13.4.5 In relation to claims in which the amount in controversy is less than \$250,000, no discovery other than exchange of documents, designation of witnesses and detailed disclosure of claims and defenses (including specifically a detailed basis for calculating all claims), and no more than 3 depositions and 1 expert per issue per side, shall be allowed, subject to disclosure of such other information as approved by the arbitrator. Otherwise, discovery shall be allowed and/or limited as decided by the arbitrator.
- 13.4.6 The prevailing party in any arbitration or court proceeding under this Agreement shall be entitled to an award of its attorneys' fees, costs, and expenses (including expert witness fees) incurred.
- 13.4.7 A demand for arbitration shall be made within the time limits specified in the Contract Documents as applicable, and in other cases within a reasonable time after the Claim has arisen, and in no event shall it be made after the date when institution of legal or equitable proceedings based on such Claim would be barred by the 13.4.8 The Parties agree to participate as a party, by joinder and/or consolidation, in any arbitration, litigation, or other dispute resolution involving as an issue, claim, or defense, any action, inaction, or service provided under this Contract or in relation to the Project or the Work, or any defect or deficiency in the Work.
- 13.4.9 The party filing a notice of demand for arbitration, or a counterclaim, must assert in the demand or counterclaim all Claims then known to that party on which arbitration is permitted to be demanded.
- 13.4.10 Any award by the arbitrator shall not include any consequential or punitive damages.
- 13.4.11 The award entered by the arbitrator shall be a reasoned award.
- 13.4.12 The award entered by the arbitrator shall be final and judgment may be entered thereon in the Arizona Superior Court.

SECTION 14 — MISCELLANEOUS PROVISIONS

- 14.1 Assignment** - Neither Contractor nor Town shall, without the written consent of the other assign, transfer or sublet any portion of this Agreement or part of the Work or the obligations required by the Contract Documents, any such assignment will be void, will transfer no rights to the purported assignee, and would be a material breach of the Contract.

14.2 Governing Law and Venue - In the performance of the Contract, Contractor shall abide by and conform to any and all laws of the United States, State of Arizona, Gila County, and the Town, including but not limited to federal and state executive orders providing for equal opportunities, the Federal Occupational Safety and Health Act and any other federal, state, county or local laws applicable to the Contract. This Contract shall be governed by and construed in accordance with the substantive laws of the State of Arizona, without reference to conflict of laws and principles. Exclusive jurisdiction and venue for any action brought to enforce or construe any provision of this Contract shall be proper in the Superior Court of Gila County, Arizona and both parties consent to jurisdiction and venue in such court for such purposes.

14.3 Survival - All warranties, representations and indemnifications by Contractor shall survive the completion or termination of this Agreement.

14.4 No Waiver - The failure of either party to enforce any of the provisions of the Contract Documents or to require performance of the other party of any of the provisions hereof shall not be construed to be a waiver of such provisions, nor shall it affect the validity of the Contract Documents or any part thereof, or the right of either party to thereafter enforce each and every provision.

14.5 Project Communications

14.5.1 All communications concerning the performance of the Work or the Project shall be provided to the designated Project Manager and Contractor's Representative set forth in Article 1 of the Contract.

14.5.2 Project communications may be exchanged by e-mail upon the written agreement of the Project Manager and Contractor Representative, but e-mail communications are not binding upon Town and cannot change the terms of the Contract or the scope of work, or effectuate any change that requires a written change order. The use of e-mails is for information only, and e-mails will have no legal or binding effect.

TOWN REVISIONS TO MAG SPECIFICATIONS

- 1. Adoption of the MAG Specifications:** The Uniform Specifications for Public Works Construction issued by the Maricopa Association of Governments (“MAG Specifications”) have been adopted by the Town and shall apply to the Work, to the extent applicable. In addition, to the extent the Town has adopted its own Town Specifications, and/or Supplements and/or Modifications to the MAG Specifications (collectively the “Town Specifications”), those Town Specifications shall apply to the Work when and where appropriate and Contractor shall fully comply therewith. Any questions or concerns the applicability of any specific MAG or Town Specification to the Work shall be directed in writing to the Project Manager.
- 2. Invitation to Bid, Contract, General Provisions, Special Provisions, and/or Specifications for the Project:** To the extent there is any conflict between: (i) the Invitation for Bid, the Contract, the Special Provisions, and/or the Specifications for the Project; and (ii) the MAG Specifications as amended by the Town, the specific provision applicable to the Project set forth in the Contract Documents enumerated in (i) prevail.
- 3. Specific Revisions to MAG Specifications:** The following special provisions modify the sections of the MAG Specifications.

Section 102.3 INTERPRETATION OF QUANTITIES IN PROPOSAL

Add the following at the end of the section:

Notwithstanding any other provision in the Contract Documents, Contractor shall not be entitled to increase the unit prices on any basis, including increases, decreases or reallocation of any quantities, no matter what the quantum of the increase, decrease or reallocation may be.

Section 102.12 DISQUALIFICATION OF BIDDERS

Add a new paragraph (C), to read as follows:

(C) Submission of any unit prices in the bid proposal which are unbalanced, either above or below the amount of a reasonable bid price as determined by the Town Engineer, to the potential detriment of Town.

Section 104.2 ALTERATION OF WORK

Delete the second paragraph in Section 104.2.1 in total, and replace with the following:

No payment will be made for any changes in the Work, whether initiated by the Town, the Engineer, or Contractor, unless and until a written change order has been fully executed and approved by the Town.

Section 105.4 COORDINATION OF PLANS AND SPECIFICATIONS

Add the following:

For any apparent error or omission in the plans and specifications, such corrections by the Town Engineer may include adjustments in units, quantities and unit prices.

Section 108.1 NOTICE TO PROCEED

Add the following subsection:

(C) Work shall not start until the contract has been executed by both the Contractor and the Town. The Contractor shall begin work as soon as practical after the starting date specified in the Notice to Proceed. All Work under the contract shall be completed within the number of calendar days stated in the proposal, plus extensions, beginning the day following the starting date specified in the Notice to Proceed.

Section 108.11 TERMINATION OF CONTRACT

Add the following at the end of the first paragraph:

The Town may also terminate the Contract for its convenience without cause. Contractor shall only be entitled to payment for the actual costs of Work actually completed as of the date of termination, and no payment shall be due or made for any anticipated costs, profits, overhead or other costs not actually incurred, and no payment shall be paid for idle time or labor cost, legal or accounting charges, claim preparation charges, subcontractor costs, lost profits, general conditions or overhead, bidding and/or project investigation costs, acceleration or efficiency claims, or any other additional expense or claim related to the termination.

Section 109.4 COMPENSATION FOR ALTERATION OF WORK

Before Section 109.4.1, add the following:

Any deduction or increase in the Contract Price must be supported by a signed, written change order fully executed by the Town, and supported by such backup as the Engineer, Project Manager, and the Town may require. No adjustments in any unit prices will be allowed.

Delete Sections 109.4.1(A) and (B) and 109.4.2(A) in their entirety.

Section 109.9 DOLLAR AMOUNT OF MAJOR ITEM

Delete in its entirety.

Section 110 NOTIFICATION OF CHANGED CONDITIONS AND DISPUTE RESOLUTION

Delete the entire section and replace with the following:

All claims and disputes shall be resolved pursuant to § 13 of the General Conditions.

INSURANCE REQUIREMENTS

1. **Contractor's Obligation:** Contractor shall secure and maintain, at his or her own expense, until completion of the contract, general liability and property insurance as shall protect Contractor and the Town from claims for bodily injury, personal injury, and property damage which may arise because of the nature of the work or from operations under this contract. The Contractor's insurance coverage shall be primary insurance with respect to all other available sources.

2. **General Liability Coverage:** Contractor shall have general liability coverage on a per project basis, per occurrence, and in comprehensive form. General liability coverage shall include Products/Completed Operations, Explosion, Underground and Collapse Hazard, Premises, Operations, Contractual, Independent Contractors, Broad Form Property Damage and Personal Injury.

3. **Coverage Amounts:** Contractor shall provide general liability and excess general liability coverage in the following amounts, at a minimum:

Employer's Liability

a. Each Accident	\$100,000
b. Disease for Each Employee	\$100,000
c. Disease Policy Limit	\$250,000

Contractors General Liability

a. General Aggregate	\$2,000,000
b. Products – Completed Operations Aggregate	\$2,000,000
d. Each Occurrence (Bodily Injury and Property Damage)	\$1,000,000

Automobile Liability

a. Bodily Injury:	
Each Person	\$1,000,000
Each Accident	\$1,000,000
b. Property Damage	
Each Accident	\$1,000,000
c. Combined Single Limit	\$1,000,000

Contractual Liability

a. Bodily Injury:	
Each Accident	\$2,000,000
Annual Aggregate	\$2,000,000
b. Property Damage:	
Each Accident	\$2,000,000
Annual Aggregate	\$2,000,000
Each Accident	\$2,000,000
Annual Aggregate	\$2,000,000

Workman's Compensation

a. Bodily Injury by Accident each accident	\$1,000,000
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b. Bodily Injury by Disease each employee	\$1,000,000
c. Bodily Injury by Disease policy limit	\$1,000,000

4. Additional Provisions:

- A. Additional Insured: Contractor shall name the Town of Florence as an “Additional Insured” on all insurance policies, except Worker's Compensation, and this shall be reflected on the Certificate(s) of Insurance.
- B. Cancellation Notice of Material Change of Coverage: Contractors’ required insurance shall be endorsed to provide that the policy(ies) will not be canceled, reduced, discontinued, or otherwise materially altered during the period of performance without thirty (30) days prior written notice to the Town of Florence.
- C. Certificate(s) of Insurance: Prior to commencing work under each contract or subcontract, Certificates of Insurance shall be submitted and approved by the Town. Contractor is responsible for obtaining Certificates of Insurance establishing that Contractor and all subcontractors have complied with insurance requirements previously stated. Copies of Certificate(s) of Insurance shall be forwarded to the Risk Manager for review and filing. Failure of Town to demand such certificate or other evidence of full compliance with these insurance requirements or failure of Town to identify a deficiency from evidence that is provided shall not be construed as a waiver of Contractor’s obligation to maintain such insurance. Town shall have the right, but not the obligation, to prohibit Contractor or any of its subcontractors from entering the Project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by Town.
- D. Rating of Insurance Company(ies): Any and all insurance company(ies) supplying coverage to Contractor must have no less than an “A” rating in accordance with the A.M. Best rating guide.
- E. Deductible: Contractor shall be responsible to satisfy any deductible or self-insured retention with respect to any of the coverages required by the Contract Documents.
- F. Rental Equipment: In the event that rental of equipment is undertaken to complete and/or perform the Work, Contractor agrees that it shall be solely responsible for such rental equipment. Such responsibility shall include, but not be limited to, theft, fire, vandalism and use by unauthorized persons.
- G. Personal Property: In the event that materials or any other type of personal property (“personal property”) is acquired for the Project or delivered to the Project site, Contractor agrees that it shall be solely responsible for such property until it becomes a fixture on the Project, or otherwise is installed and incorporated as a final part of the Project. Such responsibility shall include, but not be limited to, theft, fire, vandalism and use by unauthorized persons. Contractor shall maintain “all risk” insurance, on a replacement cost basis, covering loss or damage to personal property (for which it has title and/or risk

of loss) which is to become a final part of the Project, during any time such personal property is in transit and while stored or worked upon away from the Project site. Town shall be named as additional insured under such insurance.

- H. Waiver of Subrogation: Town and Contractor waive all rights against each other and Architect/Engineer, and separate contractors for damages caused by fire or other perils covered by Builder's Risk or any other property insurance, except such rights as they may have to the proceeds of such insurance.
- I. Right to Require Higher Limits: Town reserves the right, in its sole discretion, to require higher limits of liability coverage if, in Town's opinion, operations by or on behalf of Contractor create higher than normal hazards and, to require Contractor to name additional parties in interest to be Additional Insureds.
- i. Waiver of Requirements: The Town Manager, in consultation with the Risk Manager and/or Town Attorney, reserves the right to waive or reduce insurance requirements should it be in the best interest of the Town.

SPECIAL PROVISIONS LIST

The Special Provisions applicable to the Project and associated Project and or Construction Plans prepared by the Design Engineer are available through the Issuing Office. Contractor shall be responsible for review of these documents to ensure full understating of requirements.

BID FORM

**TOWN OF FLORENCE
PROJECT #
REHABILITATION AND PROTECTIVE COATING
WATER STORAGE TANKS**

THIS BID IS SUBMITTED BY:

_____,
_____ a(n) _____,
_____ (Corporaiton, Limited Liability Company, Partnership, Joint Venture, Sole
Proprietorship, Individual), holder of an Arizona Registrar of Contractor's license:
ROC# _____, classification _____

NAME TITLE DATE

(Failure to fill in the information above, regarding the Bidder being a holder of Arizona State Contractor's License is grounds for rejection of the bid.)

The undersigned Bidder, having examined and determined the scope of the Contract Documents, hereby proposes to perform the work described herein for the following unit prices or lump sum amounts:

BID SCHEDULE

BID SCHEDULE – Part 1 of 2

Town of Florence

Water Storage Tank Rehabilitation

5A- Nominal 250,000 gallon (38' Diameter and 32' High)

5B- Nominal 500,000 gallon (55' Diameter and 29' High)

BASE BID:					
Item Number	Description	Unit	Quantity	Unit Price	Extended Price
1	Mobilization & Demobilization	LSUM	1		
2	Well 5A - Interior Cleaning	LSUM	1		
3	Well 5A - Cleaning Haul off and Disposal	LSUM	1		
4	Well 5A - Interior Coating - Polyurethane	LSUM	1		
5	Well 5A - Exterior Coating	LSUM	1		
6	Well 5A - Replace One (1) Rafter	LSUM	1		
7	Well 5A - Repair the Mechanical LLI	LSUM	1		
8	Well 5A - Lower Overflow Intake	LSUM	1		
9	Well 5A - Roof Railing Upgrades	LSUM	1		
10	Well 5A - New 30" Shell Manway	LSUM	1		
11	Well 5B - Interior Cleaning	LSUM	1		
12	Well 5B - Cleaning Haul off and Disposal	LSUM	1		
13	Well 5B - Interior Coating - Polyurethane	LSUM	1		
14	Well 5B - Exterior Coating	LSUM	1		
15	Well 5B - Repair the Mechanical LLI	LSUM	1		
16	Well 5B - Roof Railing	LSUM	1		
ALTERNATE BID ITEMS					
17	Well 5A - Interior Alternate Coating - 100% solids Epoxy	LSUM	1		
18	Well 5A - Expanded Metal	LSUM	1		
19	Well 5A - Ladder Gate Cage Guard	LSUM	1		
20	Well 5A - Roof Hatch Gasket	LSUM	1		

21	Well 5A - Roof Vent Screen	LSUM	1		
22	Well 5A - Impressed Current CP	LSUM	1		
23	Well 5A - Replace Rafters	Each	1		
24					
25	Well 5B - Interior Alternate Coating - 100% solids Epoxy	LSUM	1		
26	Well 5B - Roof Hatch Gasket	LSUM	1		
27	Well 5B - Expanded Metal	LSUM	1		
28	Well 5B - Roof Hatch Gasket	LSUM	1		
29	Well 5B - Replace Roof Vent	LSUM	1		
30	Well 5A - Impressed Current CP	LSUM	1		
31	Well 5A - Replace Rafters	Each	1		
32					
33	Weld Coupons on the tank Floor	\$/Sq In.	1,440		
34	Taxes	LSUM	1		
35	Bonding	LSUM	1		
TOTAL BASE BID:					

Bid In Words:

_____ Dollars
 _____ Cents

BID SCHEDULE - Part 2 of 2
Town of Florence
Water Storage Tank Rehabilitation

In evaluating Bids, discrepancies in the multiplication of units of work and unit prices will be resolved in favor of unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in factor of the correct sum.

Bidders are required to fill in all blank spaces with an entry. Bids submitted with blank spaces may be considered "Non-Responsive".

Quantities shown in this bid schedule are approximate only, and are used for the purpose of bid comparison.

In submitting this Bid, it is understood that the right to reject any and all Bids and or award portions of the work as determined to be in the best interests of the Town and to waive irregularities in the Bidding has been reserved by THE TOWN.

The undersigned hereby certifies that the information submitted herewith, including any attachment is true to the best of his knowledge and belief.

Seal: (if bid is by Corporation

Respectfully Submitted:

Bidder: _____

Signature: _____

Title: _____

License No. _____ Address: _____

Date: _____

STATUTORY BID BOND

**STATUTORY BID BOND
PURSUANT TO TITLE 34, CHAPTER 2, ARTICLE 1 OF THE ARIZONA REVISED
STATUTES**

(Penalty of this bond must be 10% of the bid amount)

KNOW ALL MEN BY THESE PRESENTS:

That _____ (hereafter "Principal"), as Principal, and _____, a corporation organized and existing under the laws of the State of _____, with its principal offices in the Town of _____, (hereafter "Surety"), as Surety, are held and firmly bound unto the _____ (hereafter "Obligee"), in The amount of _____ Dollars) (\$_____), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for _____

NOW, THEREFORE, if the Obligee shall accept the proposal of the Principal and the Principal shall enter into a contract with the Obligee in accordance with the terms of the proposal and give bonds and certificates of insurance as specified in the standard specifications with good and sufficient surety for the faithful performance of the contract and for prompt payment of labor and materials furnished in the prosecution of the contract, or in the event of the failure of the Principal to enter into the contract and give the bonds and certificates of insurance if the Principal pays to the Obligee the difference not to exceed the penalty of the bond between the amount specified in the proposal and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by the proposal then this obligation is void. Otherwise, it remains in full force and effect provided, however, that this bond is executed pursuant to the provisions of Section 34-201, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of the section to the extent as if it were copied at length herein.

Witness our hands this _____ day of _____, 20____.

PRINCIPAL

SEAL

BY: _____

SURETY

BY: _____

AGENCY OF RECORD

RESOLUTION OF BOARD OF DIRECTORS

**CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS OF**

(Name of Corporation)

RESOLVED that _____, _____ of
(Person Authorized to Sign) (Title)

_____ (“Corporation”) is
authorized to sign and submit the bid or proposal of this corporation for the following
project:

**TOWN OF FLORENCE: REHABILITATION AND PROTECTIVE COATING
WATER STORAGE TANKS**

The foregoing is a true and correct copy of the resolution adopted by the Corporation at
the
meeting of its Board of Directors held on the _____ day of _____,
20_____.

By _____

Title _____

(SEAL)

(THIS FORM MUST BE COMPLETED IF BIDDER IS A CORPORATION)

W-9 FORM

Form W-9 (Rev. November 2005) Department of the Treasury Internal Revenue Service	Request for Taxpayer Identification Number and Certification	Give form to the requester. Do not send to the IRS.
Print or type See specific instructions on page 2.	Name (as shown on your income tax return)	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Other ▶ <input type="checkbox"/> Exempt from backup withholding	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3. Note: If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
OR
Employer identification number

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. person (including a U.S. resident alien).

Certification Instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

Sign Here	Signature of U.S. person ▶	Date ▶
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Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee.

In 3 above, if applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

For federal tax purposes, you are considered a person if you are:

- An individual who is a citizen or resident of the United States,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, or
- Any estate (other than a foreign estate) or trust. See Regulations sections 301.7701-6(a) and 7(a) for additional information.

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

SECTION 09871

COATING OF STEEL WATER STORAGE TANK

PART 1 - GENERAL

1.1 SUMMARY

- A. Work included:
 - 1. Coat the interior carbon steel surfaces of the reservoirs (new and existing) in their entirety, including braces, new weld construction, new pipes, and appurtenances.
 - 2. Coat the exterior carbon steel surfaces of the reservoirs (new and existing) in their entirety, including new weld construction, new pipe connections, and new steel appurtenances, as indicated on the Contract Drawings.

- B. Related Sections:
 - 1. Section 13210 – Steel Water Storage Tank Leakage and Water Quality Testing.

1.2 REFERENCES

- A. SSPC Vol. 1, Steel Structures Painting Manual, Volume 1, Good Painting Practice.

- B. SSPC Vol. 2, Steel Structures Painting Manual, Volume 2, Systems and Specifications.
 - 1. SSPC-SP 1 -- Solvent Cleaning
 - 2. SSPC-SP 5 -- White Metal Blast Cleaning
 - 3. SSPC-SP 6 -- Commercial Blast Cleaning
 - 4. SSPC-SP 7 -- Brush-off Blast Cleaning
 - 5. SSPC-SP 10 -- Near White Blast Cleaning
 - 6. SSPC-SP 11 -- Power Tool Cleaning to Bare Metal
 - 7. SSPC-SP WJ-1 -- Low Pressure Water Cleaning
 - 8. SSPC-AB 1 -- Mineral and Slag Abrasives
 - 9. SSPC-PA 1 -- Shop, Field, & Maintenance Painting
 - 10. SSPC-PA 2 -- Measurement of Dry Paint Thickness with Magnetic Gages
 - 11. SSPC-PA Guide 3 -- A Guide to Safety in Paint Application
 - 12. SSPC-Guide to VIS 1-89 -- Visual Standard for Abrasive Blast Cleaned Steel

- C. AWWA D-102, AWWA Standard for Painting Steel Water-Storage Tanks.

- D. AWWA D-100, AWWA Standard for Welded Carbon Steel Tanks for Water Storage

- E. Exterior coatings (and possibly interior coatings) may contain, Heavy Metals, in the dried film; the following regulatory requirements shall be applicable at a minimum:
 - 1. 29 CFR 1910 "OSHA General Industry Standards"
 - 2. 29 CFR 1910.134, "Respiratory Protection"
 - 3. 29 CFR 1910.1000, "Air Contaminants - Permissible Exposure Limits"
 - 4. 29 CFR 1910.1020, "Employee Access to Exposure and Medical Records"
 - 5. 20 CFR 1926, OSHA Construction Industry Standards"
 - 6. 29 CFR 1926.59, "Hazard Communication"
 - 7. 29 CFR 1926.62, "Lead Exposure in Construction; Interim Final Rule"

8. 40 CFR 261, "Identification and Listing of Hazardous Waste
9. 40 CFR 262, "Standards Applicable to Generators of Hazardous Waste"
10. 40 CFR 263, "Standards Applicable to Transporters of Hazardous Waste"
11. 40 CFR 264, "Standards for Owners and Operators of Hazardous Waste Treatment, Storage, & Disposal Facilities"

1.3 SUBMITTALS

A. Product data:

1. Submit list of materials to be provided. Include thinner, bond solvent, and abrasive grit material.
2. Submit manufacturer's current specifications or technical information.
3. Submit certification from manufacturer that coating system materials provided comply with this specification.
4. Submit manufacturer's batch numbers and dates of manufacture for coating system materials to be provided under this contract.
5. Submit manufacturer's documented results for the following data for coating system materials to be provided under this contract determined in accordance with the listed ASTM standard.
 - a. Weight in pounds/gallon – ASTM D 2196.
 - b. Specific gravity – ASTM D 1475.
 - c. Percent solids by volume – ASTM D 2369.
 - d. Percent solids by weight – ASTM D 2369.
 - e. Air cure dry to recoat time – ASTM D 1640.
 - f. Adhesion to steel substrate – ASTM D 4541.
 - g. Adhesion between coats – ASTM D 4541.

B. Manufacturer's instructions:

1. Submit coating manufacturer's latest written instructions for:
 - a. Coating system materials storage,
 - b. Surface preparation, coating repair,
 - c. Application equipment,
 - d. Mixing and application of coating system,
 - e. Ventilation and curing of coating system.
2. Include:
 - a. Maximum and minimum storage temperatures,
 - b. Maximum surface application temperature,
 - c. Maximum temperature coating can be heated prior to application,
 - d. Special preparation of paint surface when maximum recoat time has been exceeded, and
 - e. Curing required prior to holiday detector test.
3. Submit coating manufacturer's chart showing recoat times for application temperatures from 50 °F to 160 °F.

C. Dehumidification and ventilation operation:

1. Submit details of dehumidification and ventilation operation showing all equipment and materials to be used.
2. Submittal shall clearly show compliance with all requirements specifies.

D. Equipment:

09871-2

1. Submit plural component pump type and equipment with name of individual who will operate the plural component pump for the duration for the job.
- E. Reports:
1. CONTRACTOR shall keep a daily log which includes at a minimum:
 - a. Actual weight of blast cleaning abrasive used for field abrasive blast cleaning each day.
 - b. Quantity of coating material used for each coat each day.
 - c. Daily Ambient weather conditions.
 - d. Steel temperatures on days coating occurs.
 - e. Due point on days coating occurs.
- F. Samples:
1. Submit with the bid a specimen of the approved interior coating.
 2. Submit with the bid color samples for the interior finish and the exterior finish.
- G. ADDITIONAL SUBMITTALS AND QUALIFICATIONS:
1. Proof of Arizona "A License" in good standing
 2. Attachment A - Firm Informational Form
 3. Attachment B - Notarized Affidavit
 4. Attachment C - Reference List
 5. Site Specific Safety Plan (not an IIPP)
 6. Project Schedule
 7. Disinfection Plan
 8. Scaffolding Plan
 9. Past Experience on City of Florence Projects
 10. Sample Insurance Certificate
 11. Coating Crew:
 - a. Submit 5 water tanks of equal or greater size to the largest tank under this bid where the plural component pump operator has successfully utilized the specified coatings.
 - b. Submit 5 water tanks of equal or greater size to the largest tank under this bid where the plural component applicator has successfully utilized the specified coatings.
 - c. Safety certifications held by the crew

1.4 QUALITY ASSURANCE

- A. Qualifications:
1. Applicator: Regularly engaged in application of similar coatings on potable water tanks, having a capacity of at least 500,000,000 gallons, for at least Three years immediately prior to this work.
 2. Workers: Experienced and knowledgeable in preparation for and applications of high performance industrial coatings.
 3. The Plural component pump and equipment will have a dedicated operator that will monitor the operation of the pump for the duration of the coating process. The operator shall submit evidence of experience and have used this equipment for a minimum of 3 years.
 4. Firm holding the "A License" shall have at least 3 years of prior consecutive experience applying plural component coatings under their License.

- B. Workmanship: Conform to standards and recommendations of SSPC Vol. 1, especially Chapters 5.1 and 6.
- C. Job-site conference:
 - 1. Arrange a job-site conference prior to work under this Section with the coating applicator, coating supplier, dehumidification supplier, and the ENGINEER to review specification requirements and job-site conditions.
 - 2. Give the ENGINEER two work days minimum notification of the meeting.
- D. Abrasive blast cleaning standard:
 - 1. Prepare an abrasive blast cleaning standard to SSPC-SP 10 prior to any field abrasive blast cleaning.
 - a. Prepare in field at jobsite, using equipment that will be used on the job.
 - b. Prepare in presence of ENGINEER.
 - 2. Abrasive blast clean two (2) 8" x 11" steel plate panels to the standard specified. Steel shall be same type used in the reservoir.
 - 3. Review:
 - a. ENGINEER and CONTRACTOR shall examine panels.
 - b. When ENGINEER and CONTRACTOR agree that the panels meet the specified standard, they shall initial and date the accepted panels.
 - c. Accepted panels shall be marked to indicate the job and the specified standard.
 - d. The ENGINEER will coat the accepted panels with a clear non-yellowing lacquer to prevent degradation.
 - 4. The accepted panels shall be the visual standard for evaluating abrasive blast cleaning to the specified standards.
- E. Testing:
 - 1. Magnification: ENGINEER may use magnification in the inspection of surface preparation and coatings.
 - 2. Ultraviolet light: ENGINEER may use ultraviolet (black) light in the inspection of surface preparation.
 - 3. Testing of coating: ENGINEER may, in the event of disagreement with the CONTRACTOR over coating failures, use destructive test instruments to analyze coating failures.
- F. Materials handling and use:
 - 1. Coating materials shall be labeled and used in accordance with SSPC-PA 1, Paragraphs 5.1.1. through 5.1.5.
 - a. Except: All coating system materials shall be delivered and used within six months of the date of manufacture.
 - b. Except: Certification, from any source, that coating system materials are still suitable for use beyond the stated shelf life or beyond the stated shelf life or beyond the six month period specified in 1.a above will not be accepted.
- G. Manufacturer's Representative:
 - 1. A qualified technical representative of the coating system manufacturer shall be made available at the jobsite as required by the ENGINEER to resolve problems related to the coating system or the application of the system.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery:
 - 1. Deliver abrasive grit in moisture-proof bags or airtight bulk containers.
 - 2. Deliver coating system materials in original, unopened containers with seals unbroken and labels intact. Labels shall identify type of material, color, and batch number.

- B. Storage:
 - 1. Store material in a single, approved location.
 - 2. Store coating system materials in enclosed and ventilated structures.
 - 3. Maintain temperature inside the structure within the temperature range recommended by the manufacturer, but not lower than 70 °F.
 - 4. Keep storage locations clean, neat, and free of fire hazards.
 - 5. Keep abrasive grit dry and clean.

- C. Handling:
 - 1. Do not introduce into the reservoir any thinners, solvents, paint products or other materials that contain toxic substances not specifically approved for use that will result in exceeding the maximum contaminant limit (MCL) for regulated VOC's or the detection limit for unregulated VOC's, as identified in Attachment 09871-1.
 - 2. Do not spill thinners, solvents, and paint products or other materials that contain toxic substances.
 - 3. Remove discarded thinners, solvents, and paint products from the job site daily.
 - 4. During painting, the CONTRACTOR shall provide a debris box on site for empty paint buckets. Place discarded buckets in the debris box and remove the debris box when it is full and replace.

1.6 JOB CONDITIONS

- A. Environmental conditions:
 - 1. Do not abrasive blast or apply coatings when surface or ambient temperature is less than 5 °F above dew point.
 - 2. Apply coatings only when conditions are within the limits prescribed by the manufacturer but, in any case, do not apply coatings when:
 - a. Surface temperature is less than 40 °F.
 - b. Relative humidity is greater than 85 percent.
 - c. Surface temperature is greater than specified by the product data sheet.
 - 3. If environmental conditions within the tank are not within the limits prescribed by the manufacturer, or the limits described above, CONTRACTOR shall provide appropriate equipment and techniques to modify the environmental conditions to be within those limits. If dehumidification is necessary, CONTRACTOR shall provide dehumidification per the requirements of Paragraph 3.2 of this Specification. If other equipment or techniques are required to modify the environmental conditions within the tank, those equipment and techniques shall be approved by the ENGINEER and the coatings manufacturer prior to their use.
 - 4. Provide an air monitor at the reservoir roof vent and test the exhaust air for compliance with local Air Quality Management District standards. Exhaust air shall be tested continuously during interior abrasive blasting and coating operations.

- B. Safety:

1. Comply with the applicable safety recommendations of SSPC-PA-Guide 3 and Good Painting Practice, Chapters 2.4 and 5.3.
- C. Breathing air:
1. Upon request, the CONTRACTOR shall provide breathing air for two OWNER employees to enter the reservoirs. Breathing air shall meet all Federal, State, and County safety regulations.
 2. CONTRACTOR shall provide compatible fittings for OWNER'S field safety equipment.
- D. Testing for hazardous substances:
1. Test the interior and exterior coatings for the presence of lead.
 2. Test spent abrasive for hazardous substances prior to disposal.

1.7 WARRANTY

- A. The guarantee period shall be two years for defects of material and workmanship for the work of this Section.
- B. Warranty Inspection:
1. A first anniversary warranty inspection will be conducted by the OWNER approximately one year after coating of the reservoir under this contract is completed.
 2. Reservoir may be drained or may contain water for warranty inspection of interior coating.
 3. OWNER will establish date of inspection and will notify CONTRACTOR at least 30 days in advance of inspection.
 4. CONTRACTOR may, at his option, be present during inspection.
- C. Inspection Report:
1. ENGINEER will prepare and deliver to the CONTRACTOR a report of the warranty inspection.
 2. The report will set forth the number and type of failures observed, the percentage of the surface area where failure has occurred, and the names of persons making the inspection.
 3. Underwater photographs or reports of interior coating imperfections or failures shall be considered acceptable evidence of failure.
- D. Failure: Any location where coating has delaminated, peeled, blistered, or cracked; and any location where rusting is evident will be considered a failure of the coating system.
- E. Remedial Work:
1. Repair all failures by removing the deteriorated coating, cleaning the surface, and recoating with the same system in accordance with this Section, except dehumidification.
 2. With approval of the ENGINEER, surface preparation of small failures (area less than 10 sq. ft.) may be by cleaning to near white metal in accordance with SSPC-SP 11.
- F. Extensive Failure:

1. If the area of failure exceeds 25 percent of the area of a portion of the reservoir surface, then that portion shall be recoated in accordance with this Section, including dehumidification/ventilation for failed interior surfaces.
 2. For determining the need for complete recoating, the following shall each be considered a separate portion:
 - a. Exterior roof to bottom of the knuckle,
 - b. Exterior Shell
 - c. Inside roof,
 - d. Inside Shell (including columns and appurtenances),
 - e. Floor
- G. Schedule of Remedial Work:
1. The ENGINEER will establish a starting date and a reasonable time of completion for remedial work.
 2. The starting date will be not less than 30 days after delivery of the first anniversary warranty inspection report to the CONTRACTOR.
 3. Should the CONTRACTOR fail to start the remedial work within ten days after the starting date established by the ENGINEER, the OWNER may at its option perform the remedial work, and the CONTRACTOR shall pay to the OWNER the actual cost of such work plus 20 percent.
- H. Extended warranty:
1. All remedial work performed shall be guaranteed under the terms of the General Conditions for defects of material and workmanship for two years from completion of the remedial work
 2. The OWNER may conduct a first anniversary warranty inspection of remedial work and require repair of failures under the terms of this Article.
- I. Cost of Inspection:
1. The first anniversary warranty inspection will be at the expense of the OWNER.
 2. Warranty inspections of remedial work shall be at the expense of the CONTRACTOR.

PART 2 - PRODUCTS

2.1 COATING SYSTEM MATERIALS

- A. General:
1. Coating system materials shall conform to the latest applicable requirements of the local Air Quality Management District.
- B. Reservoir interior coating systems:
1. Interior Atmospheric Zone:
 - a. Minimum 72% solids epoxy, National Sanitation Foundation (NSF) 61 approved for use in potable water reservoirs.
 - b. Acceptable Interior Coating Systems:
 - 1) Sherwin Williams Macropoxy 646 PW
 - 2) Coating system shall be restricted to a single manufacturer.
 - 3) Finish coat shall be white.
 2. Interior Emersion Zone:

- a. Minimum 98% solids Polyurethane, National Sanitation Foundation (NSF) 61 approved for use in potable water reservoirs.
 - b. Acceptable Interior Coating Systems:
 - 1) Sherwin Williams Elastomeric Aromatic Polyurethane
 - 2) Coating system shall be restricted to a single manufacturer.
 - 3) Finish coat shall be beige.
 - 3. Vapor areas in the interior roof shall be caulked following coating application.
 - a. Sikaflex-1A
- C. ALTERNATE BID ITEM: Reservoir interior coating systems:
- 1. Interior Atmospheric Zone:
 - a. Minimum 72% solids epoxy, National Sanitation Foundation (NSF) 61 approved for use in potable water reservoirs.
 - b. Acceptable Interior Coating Systems:
 - 1) Sherwin Williams Macropoxy 646 PW
 - 2) Coating system shall be restricted to a single manufacturer.
 - 3) Finish coat shall be white.
 - 2. Interior Emersion Zone:
 - a. Minimum 98% solids Epoxy, National Sanitation Foundation (NSF) 61 approved for use in potable water reservoirs.
 - b. Acceptable Interior Coating Systems:
 - 1) Sherwin Williams Sherplate PW Epoxy
 - 2) Coating system shall be restricted to a single manufacturer.
 - 3) Finish coat shall be White.
 - 3. Vapor areas in the interior roof shall be caulked following coating application.
 - a. Sikaflex-1A
- D. Reservoir Exterior Coating systems:
- 1. Acceptable Coating Systems
 - a. Sherwin Williams
 - 1) Primer: Macropoxy 646
 - 2) Finish: Hi-Solids Polyurethane (semi-gloss)
 - 2. Coating system shall be restricted to a single manufacturer.
 - 3. Color of the exterior coating system shall be approved by the Owner prior to application.

2.2 ACCESSORIES

- A. Abrasive grit for field abrasive blast cleaning:
 - 1. Conform to SSPC-AB 1. Type I or Type II, Class A.
 - 2. Angular and properly graded to produce the specified profile.
 - 3. New, clean and free of contaminants, and containing no hazardous materials.
 - 4. Conform to all applicable requirements of the local Air Quality Management District.
 - 5. Except: Do not use silica sand or nickel slag.
- B. Steel shot shall not be used as an abrasive or as part of a mixture for abrasive blasting.
- C. Thinners and solvents:
 - 1. As specified in the coating system manufacturer's technical data. No substitutions.
 - 2. Thinners and solvents shall be used for cleaning only.

PART 3 - EXECUTION

3.1 GENERAL

- A. Prevent blast media, paint, or any other foreign material from entering open piping.
 - 1. For openings greater than 2" diameter use an expandable seal placed inside the pipe. Protect seal from damage.
 - 2. All exterior roof vents shall be sealed from the outside prior to abrasive blasting and remain sealed through the entire coating operation.

- B. Welding Repairs:
 - 1. Defects in welds and steel:
 - a. Repair defects in welds and steel exposed during blast cleaning or coating.
 - b. Repair defects in welds and steel exposed during blast cleaning prior to application of first coat. Repair defects exposed during coating prior to application of subsequent coat.
 - c. Repair weld defects such as slag inclusions, undercuts, craters, and pinholes by welding and /or grinding as directed by the ENGINEER.
 - d. Remove defects in steel having a depth less than or equal to 12.5% of nominal thickness of steel by grinding to a smooth contour.
 - e. Repair defects in steel deeper than 12.5% of nominal thickness of steel by repair welding and grinding smooth.
 - 2. All interior roof plates, roof beams, roof support columns and ring girders exhibiting corrosion degradation must be ultrasonically inspected upon completion of the inspection blast to quantify the extent of metal loss. In cases where the metal loss exceeds 25 % or the original thickness of the plate, beam or appurtenance, an Arizona Registered Engineer shall approve the need for repair and the type of repair intended for use. In the event that the plate, beam or appurtenance is replaced with a component of equal size and configuration, Structural Engineering approval is not required.
 - 3. All interior floor surfaces shall be ultrasonically inspected upon completion of the inspection blast. Since the below grade portion of the reverse side of the steel plates are not accessible, this inspection is intended to quantify the extent of corrosion degradation on both sides of the steel plates. All areas exceeding 50% metal loss shall be more closely inspected to determine and map the size of the deficiency. The installation of seal welded, 1/4" steel plates shall be installed over the areas of corrosion degradation.

- C. Mix and apply all coatings in accordance with the manufacturer's instructions, the applicable requirements of SSPC-PA 1, and as specified herein.

- D. Interior Coating Equipment Limitations:
 - 1. No diesel, gasoline, or propane-operated equipment shall be allowed into the reservoir at any time.
 - 2. Propane-powered equipment may be used subject to the ENGINEER's approval of a plan identifying how contaminants can be contained.
 - 3. At a minimum, this plan will specify containment measures, such as drip pans for equipment lubricants, and specify cleaning procedures in the event that oil or hydraulic fluid is spilled on the reservoir floor.
 - 4. Any chemical cleaning agent included in the plan will be restricted to bio-degradable detergents.

3.2 DEHUMIDIFICATION AND VENTILATION (INTERIOR COATING ONLY)

- A. Provide dehumidification and ventilation to establish and maintain the specified temperature, relative humidity, and dew point in the tank, and to provide the specified ventilation and dust control. Provide dehumidification and ventilation for entire tank interior. Tank shall not be partitioned for dehumidification purposes.
- B. Provide dehumidification and ventilation continuously.
 - 1. For 24 hour prior to start of near white metal abrasive blasting and continuously throughout the near white metal abrasive blasting and coating applications.
 - 2. For 96 hours after final coat and all repairs are completed.
- C. Dehumidification equipment shall be a solid desiccant (not liquid, granular, or loose lithium chloride) design having a single rotary desiccant bed capable of continuous operation, fully automatic with drip-proof electrical controller. Direct air heaters are not acceptable as dehumidification units. Heated air shall be dehumidified prior to introduction into the reservoir.
- D. Relative humidity of processed air from dehumidification unit shall not exceed eleven percent.
- E. Dehumidification equipment shall provide two complete air changes inside the reservoir every sixty minutes.
- F. Areas adjacent to the surface that is to be blasted and coated shall not be exposed to a relative humidity greater than thirty-five percent at any time during blasting, cleaning, coating, or curing.
- G. During the dehumidification process, and for 96 hours after final coat and all repairs are completed, an air temperature of 60 °F minimum shall be maintained inside the reservoir. Heating equipment shall be furnished on site and operational during dehumidification process.
- H. Provide exhaust air dust collector to prevent discharge of dust to outside air.
 - 1. Volume of discharged air shall be equal to the air being introduced into the tank by the dehumidification and heating requirements. During coating application, ventilated air shall be discharged at not less than one air change per hour.
 - 2. Dust collector filters shall be high-efficiency particulate air (HEPA) filters.
- I. Place dehumidification equipment as close to reservoir manhole as possible.
- J. Clean dehumidification filters prior to start of dehumidification and clean weekly thereafter.
- K. Dehumidification tubing:
 - 1. Mechanically connected and sealed with duct tape at joints.
 - 2. Extend to the center of the reservoir and attach to a diffuser that will distribute air equally throughout reservoir.
 - 3. Have no dust or other foreign matter inside tubing.

- L. Provide and maintain 24-hour recorded humidity and temperature measurements. Place humidity and temperature measuring devices/probes inside reservoir.

3.3 EXAMINATION

- A. Verify that all required seal welding has been performed.
- B. Verify that all defects in steel have been removed or repaired.
- C. Verify that all welds and sharp edges have been ground off and that all surface imperfections have been removed.

3.4 PREPARATION

- A. Cleaning.
 - 1. Prior to any blasting or coating operations the interior must be thoroughly cleaned. The tank interior shall be free of oil residual prior to abrasive blasting.
 - 2. Remove all visible oil, grease, dirt, welding residue, and other contaminants from areas that were coated prior to erection.
 - a. The use of hot water pressure washing equipment is required with the ability to achieve minimum of 250 °F, 3,000 psi and 3 GPM flow. None marking blue or grey hoses shall be used.
 - b. The use of bio-degradable cleaning agents is required to remove oil and grease.
 - c. Scaffolding shall be required to facilitate the cleaning process.
 - d. All wash water shall be discharged into a temporary holding tank or basin or to an approved drainage discharge point.
 - e. Costs for testing, haul off and disposal of cleaning waste water and sediment shall be included under the Haul off and disposal bid line item.
 - 3. All scaffolding and equipment that will be used following the tank cleaning on this project shall be cleaned and free of oil and grease residue.
- B. Interior Blast Cleaning: Prepare by abrasive blast cleaning to SSPC-SP 10 with a surface profile of 3.0 to 5.0 mils.
- C. Exterior Blast Cleaning: Prepare all newly installed exterior steel by abrasive blast cleaning to SSPC-SP 6 with a surface profile of 1.5 to 3.0 mils.
- D. Exterior Spot Preparation: Spot prepare all exterior areas of rusting or coating failure per SSPC-SP 2 or SSPC-SP 3.
- E. Do not reuse abrasive blast media.
- F. Abrasive blasting equipment:
 - 1. Install an oil and moisture separator in air line between compressor and blast machine. Use Clemco Triplex filter or approved equal.
 - 2. Install an air cooler in air line between compressor and the oil and moisture separator. Use Clemco Air-to-Air After-Cooler, or approved equal.
 - 3. Use venturi nozzle.
 - 4. Place air compressor at least 25 ft. from reservoir.
 - 5. Change compressor air filters at least as often as required by compressor manufacturer's written instructions.

- G. All surfaces to be blast cleaned shall be electrically grounded during blast cleaning.
- H. Abrasive blasting, cleaning, and coating operations shall not be permitted in the same area at the same time prior to drying of coating material.
- I. Mask-off and protect all exposed machined metal surfaces, plastic, and other surfaces not to be painted or that may be damaged by abrasive blasting.
- J. Remove all dust and abrasive from all blasted surfaces.
 - 1. For interior surfaces, use approved vacuum system or other approved system.
 - 2. For exterior surfaces, remove dust and abrasive by brushing, blowing with clean air, or vacuuming. If not vacuuming, collect used abrasive blast media on plastic sheeting, or use other means of collection acceptable to the ENGINEER.
- K. Vacuum cleaner requirements:
 - 1. Vacuum cleaning shall be proven to remove dust with a minimum of 140 CFM and compliant dust filtration.
- L. Sample, test, and dispose of abrasive blast media and other waste material off-site and in accordance with material disposal plan.
 - 1. Discard directly from reservoir to a portable containment container or box and remove containment tank or box from site.
 - 2. Do not place media on ground or other intermediate location.

3.5 APPLICATION

- A. General:
 - 1. Mix and apply all coating in accordance with the manufacturer's recommendations and instructions, the applicable requirements of SSPC-PA 1, and as specified herein.
 - 2. Plural component spray systems will be required for interior coating, but not permitted for exterior coating.
 - a. The CONTRACTOR shall certify that the pumps meet the manufacturer's original operational specifications, and are only operated by skilled and trained craftsmen who have been certified by the coating manufacturer.
 - b. The spray painter shall at all times monitor his material application using a wet film gauge as recommended by the manufacturer.
 - c. The CONTRACTOR shall at all times have a quality control operator managing the plural component equipment maintaining the proper mixing ratio, operation temperatures and pressures according to the Manufacturer's application technical data. The operator shall be trained and certified by the coating and equipment manufacturer to the satisfaction of the ENGINEER.
 - d. The CONTRACTOR shall monitor the accuracy of the pump flow controls by performing a ratio proportioning test using the coating components. A minimum of one gallon of each component shall be pumped through the spray lines into separate containers to verify proper proportioning. The permissible variation in component ratios shall be as stated in the manufacturer's printed technical literature. Two successful, successive ratio proportioning tests shall be performed prior to the start of daily painting operations and every four hours thereafter in the presence of the ENGINEER. If coating equipment problems develop, the ENGINEER shall have the right to direct the CONTRACTOR to perform the proportioning test immediately

- e. At the ENGINEER'S request the CONTRACTOR shall obtain a sample of the coating and have it tested by an approved independent coating laboratory for fingerprinting to match the manufacturer's specimen that has been determined to be a representative sample of the coating material. The manufacturer shall have submitted a quality control specimen prior to starting the job for approval by the ENGINEER.
 - f. The field sample shall be obtained after the equipment is deemed to be calibrated and performing properly. At the ENGINEER'S request the CONTRACTOR shall provide 10 steel plates 1/8 x 6 x 6 inches per reservoir, for the Inspector to obtain a sample at his discretion any time during production. As a minimum one sample shall be taken for each 10,000 square feet of coated area, or a minimum of two (2) samples per tank. This sample will be personally delivered or shipped overnight for testing the next day. The costs of delivery and testing shall be borne by the CONTRACTOR. The laboratory shall be contracted to perform the tests and report the results to the ENGINEER the same day for his evaluation and approval or rejection of the previous day's work.
 - g. Should any laboratory test sample from the previous day's production not meet the manufacturer's quality control specimen, the CONTRACTOR shall be financially responsible for removing the deficient coating and performing the work according to the specification.
3. Obtain ENGINEER's evaluation and approval of steel surface preparation immediately prior to application of first coating.
 4. Obtain ENGINEER's evaluation and approval of cleanliness of previous coat immediately prior to application of a subsequent coat.
 5. For exterior coating, complete all priming before any portion of second coat is applied.
 6. Stripe all welds, nuts, bolts, and edges by brush only, prior to applying first full coat. Do not thin.
 7. Coat all steel surfaces of reservoir interior and exterior except underside of floor plates (if any).
 8. Complete coating all surfaces above floor prior to coating floor.
 9. Apply all interior coatings by plural component airless spray except:
 - a. Areas of less than 36 square inches may be brushed.
 - b. Required brush striping of welds, nuts, bolts, and edges. Do not thin for interior coating.
 10. Additional Interior Coating Requirements:
 - a. Apply coatings at a temperature of 120 °F to 160 °F at gun tip. Use explosion-proof in-line heaters. Binks Model #2-6401, or approved equal.
 - b. Coating materials temperature shall be as recommended by manufacturer, but not less than 80 °F, immediately prior to mixing.
 11. After each coat and immediately prior to application of a subsequent coat, clean surface as required to remove dirt, dust, overspray, and other contaminants that may affect adhesion of the subsequent coat.
 12. Discard all catalyzed coatings at the end of each working day or at end of manufacturer's recommended pot life, whichever is first.
 13. Scaffolding or other support system shall be free of abrasive blast media, dirt, and other foreign matter.
 14. All empty paint buckets shall be removed daily from the jobsite or placed in the debris box.

15. Coating shall be uniform in color and gloss over the entire surface. Coating shall be smooth to touch with no sags, runs, overspray, cracks, pinholes, pores, or other surface defects.
- B. Dry Film Thickness (DFT) of coating systems:
1. Reservoir Interior:
 - a. Atmospheric Zone Total DFT: 10.0 to 15.0 mils
 - b. Emerision Zone Total DFT: 25.0 to 50.0 mils
 2. ALTERNATE - Reservoir Interior:
 - a. Atmospheric Zone Total DFT: 10.0 to 15.0 mils
 - b. Emerision Zone Total DFT: 25.0 to 50.0 mils
 3. Reservoir Exterior:
 - a. Primer: 4.0 to 6.0 mils
 - b. Finish: 3.0 to 5.0 mils
 - c. Total DFT: 7.0 to 11.0 mils
- C. Application equipment:
1. Exterior Airless Spray Systems:
 - a. Use airless spray pump with a minimum 45:1 pressure ratio. Pump shall have moisture trap, anti-freeze device, and fluid filter.
 - b. Use fluid tip size recommended by manufacturer.
 - c. Use 3/8" minimum interior diameter fluid hose.
 - d. Use clean fluid lines not previously used to apply zinc-rich or water-based coating materials.
 - e. Clean equipment using only products recommended by the coating manufacturer.
 - f. Blow lines with compressed air to completely remove all thinners prior to painting.
 2. Interior Plural Component Systems:
 - a. Pump shall be WIWA DURO-MIX 3:1, Graco Extreme mix or Graco XP 70 or equal. (Alternate Epoxy shall be 1:1 ratio)
 - b. All fluid lines shall be insulated or maintained as recommended by the coating manufacturer.
 - c. Pressure shall be 2,000 psi. or 4,000 psi. for Epoxy option.
 - d. Hose shall be 3/8" ID.
 - e. Tip shall be 0.021"-0.025".
 - f. Lines shall be flushed between each application.
 - g. Equipment shall only have been used for 3:1 polyurethane coatings or 1:1 epoxy coating in the past.
- D. Coating repairs:
1. Touch up or refinish all chipped, abraded, or otherwise unsatisfactory portions of the work in accordance with the manufacturer's recommendations, except that in no case shall thinner be used for interior coatings.
 - a. Any coatings found to be sticky, partially cured, or not fully cured after the manufacturer's recommended cure time shall be removed.
 2. Recoating or touch-up of areas that have cured beyond the maximum time recommended by the manufacturer require special preparation.
 - a. Sweep blast area and 3" into surrounding area. Sweep blast under low pressure to uniformly abrade surface and feather edges. Feather edges by sanding or other means acceptable to the ENGINEER.

- b. Remove abrasive blast residue from blasted area with special attention to marginal areas of intact coating.

3.6 QUALITY CONTROL

- A. Provide adequate lighting, without shadows, during all phases of work to ensure that work is performed as specified. Illuminate entire area of work.
- B. Provide adequate ground supported scaffolding and lighting, as determined by the ENGINEER, to facilitate visual and instrument inspection by the ENGINEER of each phase of the work and of the completed work.
 - 1. Place as directed by the ENGINEER to minimize glare and shadows.
- C. Provide personnel to move scaffolding and furnish other assistance that the ENGINEER may require.
- D. ENGINEER will inspect surfaces prior to blast cleaning to verify that heavy deposits of contaminants have been removed.
- E. Verify that air supply is free of oil and moisture contamination.
- F. Measure air temperature, humidity, relative humidity, and metal surface temperature, and determine dew point prior to blasting or painting each day. Repeat measurements and determination of dew point as often as the ENGINEER deems necessary but not less often than every four hours.
 - 1. Maintain a written record of measurements and dew points, and time that measurements were taken. Make record available to ENGINEER immediately on request.
 - 2. ENGINEER will also measure air temperature, humidity, relative humidity, and metal surface temperature, and determine dew point at least once each day that blasting or painting is performed.
 - 3. Temperature and humidity measuring shall be accomplished with capacitance based electronic meters such as Vaisala Model HM 34 and magnetic surface thermometers. Determining dew point from these measurements shall be accomplished with the use of a psychrometric chart of US Department of Commerce Weather Bureau Psychrometric Tables.
- G. ENGINEER will evaluate surface preparation using the accepted field abrasive blasting standard and replica tapes. Evaluation will include inspection of blasted surface for dust and abrasive residue, using adhesive coated tape. Evaluation will be made immediately prior to coating application.
- H. Verify cleanliness of all spray application equipment prior to, or no later than, time of mixing coating material.
- I. Measure wet film coating thickness during application of coating to ensure adequate coating thickness. Take at least one measurement every 100 square feet.
- J. Measure dry film coating thickness after each coat using non-destructive magnetic dry film gauges.

1. Measure in accordance with SSPC-PA 2 except: Delete Paragraph 3.1.1 through 3.1.3 and replace with: for each 1,000 square feet area, three 100 square feet areas shall be randomly selected and measured.
 2. ENGINEER will also measure coating thickness, at random locations, after each coat.
- K. ENGINEER will evaluate cleanliness of coated surface immediately prior to application of a repair coat.
- L. CONTRACTOR shall test all coated surfaces for pinholes and holidays.
1. Perform test in presence of ENGINEER.
 2. Perform test after coating has cured as recommended by the manufacturer.
 3. As directed by the ENGINEER, use either a low voltage wet sponge holiday detector or a high voltage holiday detector.
 - a. Low voltage wet sponge holiday detector, for coatings to 20 mils dry film thickness, shall be equal to K-D Bird Dog or Tinker-Razor M-1. Add a non-sudsing wetting agent, such as Eastman Kodak Photo-Flow to the water used to saturate the sponge.
 - b. High voltage holiday detector, for coatings more than 20 mils dry film thickness, shall be equal to Tinker-Razor AP-W or D. E. Stearns Model 14/20. Use in accordance with coating manufacturers recommendations except use voltage of 125 volts per mil of coating.
 4. Retest after coating repairs.

3.7 INTERIOR CURING AND CLEANING

- A. Provide ventilation at a rate of at least one complete air change every four hours.
- B. Roof vent covers shall be removed during forced air ventilation if possible.
- C. Interior Reservoir Flushing/Cleaning
1. Tank interior shall be blown down with fresh forced air.
 2. Tank interior shall be pressure washed to remove residual contaminants and debris.
 - a. Cleaning shall be performed with 3,000 psi or greater hot water blasters or high volume fire hose.
 3. After reservoir interior coating is applied and cured by forced air ventilation in accordance with the manufacturer's instructions and all interior reservoir appurtenances are installed, the inlet/outlet lines and all interior reservoir surfaces are to be cleaned according to the following procedure:
 - a. Blow Down:
 - 1) Contractor shall blow down all interior areas to remove dust and debris.
 - b. Water Blast:
 - 1) CONTRACTOR shall water blast as required all interior reservoir surfaces including the reservoir ceiling, rafters, walls, floor, and all other interior metal attachments in accordance with SSPC-SP WJ-1 to remove all adhered dust, overspray, and contaminants and remove all rinse water from the reservoir.
 - 2) This operation is to continue until the rinse water contains no visible turbidity.

- 3) In the event that the surface contaminants cannot be removed by water blast, the CONTRACTOR shall mechanically clean the surfaces.
- c. Flushing of Inlet and Outlet Lines:
 - 1) CONTRACTOR shall clean the portion of the inlet and outlet lines from the reservoir floor to the first valve outside of the reservoir.
 - 2) This cleaning operation will be performed using a low pressure jet (up to 5,000 psi) and vacuum line, and will be continued until rinse water vacuumed from the inlet and outlet lines contains no visible turbidity, spent media or other contaminants.
- d. Following flushing of the inlet and outlet lines, the ENGINEER shall have the system source water sampled at a location to be determined by the ENGINEER to verify that the source water meets all water quality standards prior to commencement of filling of the reservoir.
- e. Storage and Disposal of Flushing Water:
 - 1) All flushing water shall be discharged into a temporary holding tank or basin or to an approved drainage discharge point.
 - 2) Costs for removal and disposal of flushing water and sediment shall be included under the Lump Sum bid.

3.8 CLEAN UP

- A. Clean dust and abrasive-blasting residue from the roof ventilation screens.
- B. Remove all spattering, spits, and blemishes caused by work under this Section.
- C. Remove from the premises all surplus paint materials, equipment, rubbish, and debris resulting from work under this section.

3.9 DISINFECTION

- A. Upon completion of the interior coating's cure period and cleaning to remove all residual dirt and debris from the tank.
- B. Disinfection shall be performed in accordance with AWWA C.652 "Spray Method #2" recommendations.

PART 4 - UPGRADES AND REPAIRS

4.1 GENERAL

- A. The known degradation of multiple roof rafters will require the repair and/or replacement of the roof rafters as necessary to re-achieve the original "as built" configuration of the subject tank.
- B. The known degradation of most of the rafter connection bolts will require the replacement of these bolts as necessary.

- C. The site is located in a residential areas with homes surrounding the tank access and tank site. As a result noise, dust and overspray are of paramount concern to the Town.
- D. Dust collectors and overspray mitigation methods must be utilized to prevent dust, debris, or paint from reaching any of the surrounding residential properties.
- E. Access to the tank site good, however, access around the tanks is limited on the back half of each tank. There is room to around to walk around the tank but not for equipment or vehicles.
- F. The tank site is fenced and shall remain locked. The Firm must keep their materials, equipment, and vehicles within the small confines of the tank site.
- G. All of the referenced welding work will require a review and approval from an Arizona Registered Structural Engineer unless the entire component is being replaced with components of equal size and configuration.
- H. Additional steel plate patching will likely be required on floor surfaces. Although this work is not considered to be a structural repair, the patches must be comprised of A-36 carbon steel, match the thickness of the existing floor, and be seal welded into place.
- I. All welding must be performed by a Certified welder. Certificates shall be available for review and approval by the Town.
- J. All welding work, upgrades and repairs shall conform with AWWA D.100, API 650 and/or API 653.

4.2 SCOPE OF WORK

- A. Remove the existing roof vent and dispose of at the Contractor's expense. Provide and install a new 30" mushroom style roof vent with a #24 non-corrodible mesh screen.
- B. Provide and install a new gasket on the roof hatch.
- C. Provide and install expanded metal around the lower section of the access ladder cage. 8' of expanded metal shall be installed on the lower section of the cage.
- D. Remove and dispose of the existing roof vent screen. Provide and install a new #24 non-corrodible mesh screen.
- E. The existing mechanical liquid level indicator is damaged and not functioning properly. Provide and install new components (new cables, gauge board, target, pulleys, and float) as necessary to return to the LLI to fully functional condition or the replace the LLI in its entirety.

- F. Fabrication and installation of a 30" shell man way per OSHA 29 CFR 1910. The manway shall be hinged and included a compliant doubler plate per API 650/653. All necessary gaskets and bolts shall be included.
- G. Upgrade or install new railing assembly that complies with OSHA 29 CFR 1910.23 Section (e) and AWWA D.100 requirements. This railing shall be a minimum height of 42" and shall be designed to provide a satisfactory aesthetic appearance. Railing shall include posts, mid rails, top rails, and toe boards. The railing and posts shall be constructed of carbon steel. All connection points shall be welded and the railing assembly coated per this specification. The railing shall be 6' along the tank edge and centered on the roof hatch with 6' of railing extending inward from each end. A self closing gate at the roof access between the two sections of roof railing shall be included.

+ + END OF SECTION + +

FRIM INFORMATIONAL FROM
ATTACHMENT A

RESPONDING FRIM INFORMATION

Firm's Name	
Firm's Corporate Location	
Firm's Phone Number	
Firm's Crew Location	
CR-34 License #	

PROJECT MANAGER INFORMATION

Project Manager Name	
Project Title/Positing with Responding Firm	
Project Manger Phone Number	
Project Manager E-Mail	

PROJECT INFORMATION

Project Safety Manager Name	
Firm's AZ Registered In-House Engineer	
AZ Registered Engineer's License #	

**AFFIDAVIT BY FIRM
REGARDING RESPONSIBILTY AND COMPLIANCE**

ATTACHMENT B

All Firms must complete the following questions and have the document notarized. Failure to complete and return this document will result in disqualification. In the event you require more space an additional sheet maybe used to complete the questions.

1. List your Firm's Arizona "A" Firms License number.

2. List which of the following your Firm qualifies for: MBE, SMBE or Small Business.

3. State the location of your corporate office.

4. List any documented, sited, or under investigation violations of federal or state labor laws, regulations, or standards, OSHA rules.

5. List any current lawsuits your company is involved in.

6. List any contracts that were cancelled by the customer is the last 3 years.

7. List any penalties imposed for time delays and/or quality of materials and workmanship.

8. By signing this affidavit the Firm acknowledges that this spec and RFP are meant to represent a guideline or minimum required to perform the proposal tank renovation services. Should the Firm feel that more a stringent scope of work is necessary to complete the project correctly and safety they are encouraged to include this in their bid. The entity issuing this document bares no liability from incidents resulting during the referenced project.
9. In accordance with State Laws the Firm will provide an 11 month warranty inspection to correct any failures and defects in the work performed under this contract.

I, _____, as _____
Name of individual Title & Authority

of _____, declare under oath that
Firm Name

the above statements, including any supplemental responses attached hereto, are true.

Signature

State of _____ County of _____

Subscribed and sworn to before me on this _____ day of _____

20__ by _____ representing him/herself to be
_____ of the Firm named herein.

Notary public

My Commission expires:

REFERENCE LIST

ATTACHMENT C

List at least 6 References for tank rehabilitation work completed in the last 3 years in the Arizona and California.

REFERENCES MUST include tanks where plural component elastomeric polyurethane was applied.

A separate sheet may be used if it is typed and includes the specified information. If a separate sheet is utilized indicate below that a separate sheet is attached containing references.

Include:

- Tank Owner's Name
- Contact Name and Phone Number
- Brief Description of Work Performed

REFERENCES:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

