



**CONTRACT DOCUMENTS**  
**FOR**  
**CITY OF SEDONA**  
**PUBLIC WORKS DEPARTMENT**

**Posse Grounds Park Parking Lot and Soldiers Pass Road Shared  
Use Path Improvements Project**

**2021-SIM-11b**

**City of Sedona**  
**POSSE GROUNDS PARK PARKING LOT**  
**AND**  
**SOLDIERS PASS ROAD SHARED USE PATH IMPROVEMENTS PROJECT**

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**ADVERTISEMENT FOR BIDS**  
**City of Sedona**  
**Public Works Department**  
**108 Roadrunner Drive**  
**Sedona, AZ 86336**

Sealed bids for the construction of the **Posse Ground Parking and Soldiers Pass Shared Use Path (SUP) Improvements Project** will be received by the Public Works Department, located at 108 Roadrunner Drive, Sedona, Arizona, until **2:00 P.M. local time, May 27, 2021.** At that time, bids will be opened and read aloud virtually via Microsoft Teams. By email, bidders will be invited to the virtual "Teams" bid opening, but are not required to attend the "Teams" bid opening.

**PROJECT: Posse Ground Parking and Soldiers Pass Shared Use Path (SUP) Improvements Project**

**ENGINEER'S CONSTRUCTION COST ESTIMATE: \$928,124.00**

**DESCRIPTION:** This project will include construction of additional Posse Ground Park Parking Lot on City-owned parcel. The project consists of grading, drainage, paving, and ADA accessible parking and restrooms. a stabilized decomposed granite shared use path of varying width (8-feet to 10-feet) will be constructed along with associated retaining walls, and street crossing throughout the project corridor. The project also includes construction of drainage improvements within the project corridor.

**CONTRACT TIME: 212 calendar days after the Notice to Proceed.**

**LIQUIDATED DAMAGES: \$570.00 per day beyond the 212-calendar day Contract Time.**

**MANDATORY PRE-BID MEETINGS:** Failure to attend and sign attendance sheet at mandatory pre-bid meetings shall render a bid non-responsive.

Contract Documents may be downloaded from the City of Sedona's website at <http://sedonaaz.gov/business/doing-business/bids-and-rfps>.

**PRE-BID CONFERENCE:** The mandatory pre-bid conference will be held on **May 17, 2021, at 10:00 A.M. at the Sedona HUB, 525 Posse Ground Road** (across the road from the covered picnic table area adjacent to the north Posse Ground softball field), Sedona, AZ 86336. Due to current levels of COVID-19 transmission, attendees will be required to wear face coverings. If you do not bring your own face covering, one will be provided.

Each bidder's proposal shall be made on forms furnished in the Contract Documents, and must be accompanied by a security consisting of a certified check, cashier's check, or bid bond in an amount of not less than ten percent (10%) of the amount of the total bid amount, and made payable to the CITY OF SEDONA, ARIZONA. In the event the successful Bidder, within ten (10) calendar days after award of the Contract, fails to enter into a Contract or fails to post payment and performance bonds satisfactory to the City insuring the faithful fulfillment of the Contract as required by law, the security deposit on this bid shall be forfeited to the City.

Contract Documents, with completed Bid Proposal, must be enclosed in a sealed envelope, addressed to:

**HAND DELIVERED:** City of Sedona  
Public Works Department  
108 Roadrunner Drive  
Sedona, AZ 86336

**U.S. MAIL:** City of Sedona  
Public Works Department  
102 Roadrunner Drive  
Sedona, AZ 86336

**AND MARKED:** Bid Proposal for: **SIM-11b Posse Ground Parking and Soldiers Pass Shared Use Path (SUP) Improvements Project**

**AND RECEIVED:** **At the Public Works Department until 2:00 P.M. local time, May 27, 2021**  
(as determined by reference to [www.time.gov](http://www.time.gov) ref [Arizona](http://www.time.gov) area).

The successful Bidder will be required to furnish two (2) bonds. One (1) bond, to become effective upon award of the Contract, shall be a Performance Bond substantially in the form in the bid documents, and shall be in a sum of one hundred percent (100%) of the contract price including any additions to the Contract. The Bond shall be effective throughout the construction period, including a two (2) year warranty period. The successful Bidder shall also furnish a Labor and Material Payment Bond, substantially in the form attached, to become effective upon award. Said Labor and Material Bond shall be in the amount of one hundred percent (100%) of the Contract price.

The successful Bidder will be determined on the basis of the lowest responsive and responsible Proposal. The City of Sedona, Arizona reserves the right to reject any or all Proposals, to waive or not to waive any informalities, or irregularities in the Proposals received, and to accept a Proposal which in its judgment best serves the interests of the City.

All questions should be directed in writing to James Crowley, Associate Engineer, 102 Roadrunner Drive, Sedona, Arizona 86336, or email [JCrowley@sedonaaz.gov](mailto:JCrowley@sedonaaz.gov).

FIRST ADVERTISEMENT: **May 7, 2021**  
SECOND ADVERTISEMENT: **May 14, 2021**

**RED ROCK NEWS**

BY:

  
\_\_\_\_\_  
J. Andy Dickey, PE  
Director of Public Works/City Engineer

## INFORMATION FOR AND INSTRUCTIONS TO BIDDERS

The City of Sedona herein referred to as the "City" is defined as the City of Sedona, acting through its legally constituted officials, officers, and employees. The City may waive any informality or reject any or all bids. Any bid may be withdrawn prior to the scheduled time and date for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be opened. No Bidder may withdraw a bid within forty-five (45) days after the actual day of the opening thereof.

**Bid prices shall include everything necessary for the completion of the work including but not limited to, materials, equipment, tools, other facilities, management, superintendents, labor, services, insurance, overhead, profit, and Federal, State, and Local taxes.**

Each bid must be submitted on the Bid Proposal provided and must be signed by the Bidder or his duly authorized agent. All blank spaces for bid prices must be filled in, in ink or typewritten, IN BOTH WORDS AND NUMBERS where called for in the Bid Proposal. If there is a discrepancy between the price in words and the price in numbers, the price in words will govern.

In case of an error in the extension of the unit price and the total, the unit price shall govern. In the event that the product of a unit price and an estimated quantity does not equal the extended amount quoted, the unit price shall govern, and the correct product of the unit price and the estimated quantity shall be deemed to be the amount bid. If the sum of two (2) or more items in the bid schedule does not equal the total amounts quoted, the individual item amounts shall govern and the correct total shall be deemed to be the amount bid. The bid shall not contain recapitulations of the work to be done.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the Bidder, Bidder's address, and the name of the project for which the bid is submitted.

The City may, by statements in the Special Provisions or other part of the specifications, require submission of sealed Bid Documentation.

The City may make such investigations as City deems necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the City all such information and data for this purpose as the City may request. The City reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the City that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein. Conditional bids will not be accepted.

Bidders must correctly prepare and submit the documents listed below with their bids:

1. Bid proposal
2. Bid Guaranty Bond
3. Certification of the Bidder's experience and qualification and Statement of Bidder's Qualifications
4. List of all proposed Subcontractors
5. Schedule of manufacturers and suppliers, major equipment, and material items

6. Non-collusion affidavit
7. Certificate of insurability
8. Signed Addenda

Each bid must be accompanied by either a certified check made payable to the City of Sedona, a cashier's check made payable to the City of Sedona or a bid bond, duly executed by the Bidder as principal and having as surety thereon a surety company licensed to do business in Arizona, in the amount of ten percent (10%) of the bid. The City may retain such checks or bid bonds, of the three (3) apparent lowest Bidders, for a period of forty-five (45) days after the bid opening.

Simultaneously with the delivery of the executed Contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this Contract and for the payment of all persons performing labor on the project under this Contract and furnishing materials in connection with this Contract, as specified in the General Conditions included herein. The surety on such bond or bonds or contract bonds must file with each bond a certified and effectively dated copy of their Power of Attorney.

Each Bidder shall have listed, on the form entitled "Proposed Subcontractors", provided in the Proposal, the name, address, and description of the work of each Subcontractor to whom the Bidder proposes to sublet portions of the work in excess of one and one-half percent (1.5%) of the total amount of his Bid. For the purpose of this paragraph, a Subcontractor is defined as one who contracts with the Contractor to provide materials and labor, labor only, or who specially fabricates and installs a portion of the work or improvement according to drawings contained in the Contract Documents. Failure to list Subcontractors may render a Bid non-responsive and may be grounds for rejection of the Bid. Attention is called to the General Conditions Article 13, limiting the total amount of the work, which may be performed by Subcontractors. Alternate Subcontractors for the same work shall not be listed in the bid. However, substitute Subcontractors may be considered as long as they comply with the requirements of these Contract documents.

Subcontractors listed by the Bidder must be competent and experienced in the type of work which they are to perform. No Contractors shall be required to employ any Subcontractor, other person or organization against which he has reasonable objection.

As evidence of his competency to perform the work, Bidder shall complete and submit with his Bid the Bidder's Statement of Qualifications which is bound in the Contract Documents. Low Bidders may be asked to furnish additional data to demonstrate competency. Bidders must be, at the time of bidding and throughout the period of the Contract, licensed as required by the State of Arizona, thoroughly competent, and capable of satisfactorily constructing the Project. Bidder shall certify that he is skilled and regularly engaged in the general class and type of work called for in the Contract Documents. Additionally, Bidders shall comply with all provisions of Arizona Revised Statutes, Title 32, Chapter 10. Further, the Bidder certifies that he is knowledgeable of the unusual and peculiar hazards associated with the general class and type of work required to construct the specific project within the terms given in the Contract Documents. Bidder shall be competent and skilled in the protective measures necessary for the safe performance of the construction work with respect to such unusual and peculiar hazards.

The selected Bidder, upon Bidder's failure or refusal to execute and deliver the Contract and bonds

required within ten (10) consecutive calendar days from and including the date Bidder received notice of the acceptance of his bid, shall forfeit to the City, for such failure or refusal, the security deposited with his bid.

Bidders are required prior to submitting a bid to inspect the site of the work and satisfy themselves by personal examination or by such other means as they may prefer, as to the location of the proposed work, and of the actual conditions.

Entrance by Bidders to the site of the work for purposes of making exploratory excavations shall be by special arrangement with the City Engineer under conditions established by the City. If, during the course of such an examination, a Bidder finds facts or conditions which appear to be in conflict with the Contract Documents, the Bidder must notify the City Engineer and may apply to the City Engineer, in writing, for additional information and explanation before submitting its bid.

Any information provided by the Design Engineer, the City, or any City personnel is not intended to be a substitute for, or a supplement to the independent verification by the Bidder to the extent such independent investigation of site conditions is deemed necessary or desirable by the Bidder. Bidder acknowledges that he has not relied upon City, City personnel, or Design Engineer furnished information regarding site conditions in preparing and submitting a bid hereunder. The Plans show conditions as they are believed to exist, but it is not intended nor is it to be inferred that the conditions as shown therein constitute a representation by the City or any of its officers that such conditions actually exist, nor shall the City or any of its officers be liable for any loss sustained by the Contractor as a result of any variance between any conditions as shown on the Plans and the actual conditions revealed during the progress of the project, or otherwise.

Any subsurface investigations, which may have been conducted at the site of the work, and the corresponding report, may be examined at the City office. Soil investigations, if performed, were conducted for design purposes, and the data shown in the reports are for subsurface conditions found at the time and location of the investigation. The Contractor shall note that there will be no separate payment for rock excavation and **no blasting** is permitted at the site.

The City disclaims responsibility for the interpretation by Bidders of data, such as projecting or extrapolating from the test holes to other locations on the site of the work, soil bearing values and profiles, soil stability and the presence, level and extent of underground water for subsurface conditions during construction operations.

The lands upon which the work is to be performed, right of way for access thereto, and other lands designated for use by the Contractor in performing the work are identified in the Supplemental Conditions or Drawings.

Submission of a bid by the Bidder shall constitute acknowledgement that, if awarded the Contract, the Bidder has relied and is relying on his own examination of (1) the site of the work, (2) access to the site, and (3) all other data and matters requisite to the fulfillment of the work and on his own knowledge of existing facilities on and in the vicinity of the work to be constructed under the Contract.

The Bidders shall examine carefully the Plans and Specifications and the site of the proposed

Project and shall solely judge for themselves the nature and location of the work to be done and all the conditions; and the submission of a Bid shall be deemed as conclusive evidence that a Bidder has made the necessary investigation and is prima facie evidence that he is satisfied with the conditions to be encountered, quantity and quality of the work or materials to be performed or furnished, and the requirements and provisions of the Plans and Specifications and the Contract Documents. The Bidder agrees that if he is awarded the Contract he will make no claim against the City, the City Engineer, or any other City officials or City personnel based on ignorance or misunderstanding of any of the provisions of the Contract Documents, nor because of any unforeseen subsurface conditions except in the manner and under the circumstances as provided in the Contract Documents.

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

All applicable state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction for the project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.

No interpretation of the meaning of the plans, specifications or other pre-bid documents will be made to any Bidder orally. Every proper request for such interpretation shall be made in writing, and to be given consideration must be received at least five (5) days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instruction will be in the form of written addenda to the Contract Documents which, if issued, will be emailed to all prospective Bidders (at the respective addresses furnished for such purposes), not later than three (3) calendar days prior to the date fixed for the opening of bids. At any time prior to an announced bid opening time, the City reserves the right to issue an addendum extending the bid opening time by one (1) or more days. Failure of any Bidder to receive any such addendum or interpretation shall not relieve such Bidder from any obligations under his bid as submitted. All Addenda so issued shall become part of the Contract Documents. It shall be the responsibility of each Prospective Bidder to verify that each addendum has been received applicable to the project. Bidders are responsible to check the City website at [www.sedonaaz.gov](http://www.sedonaaz.gov) periodically to verify if new addenda have been posted and shall ensure a reliable and accurate email address is provided to the City to be added to the Plan Holder's List. In order to be added to the Plan Holder's List, a bidder shall submit a request from the email address intended to be used as the bidder's contact email address, to the project manager listed on page I-3.

Before submitting a Proposal, Bidders shall carefully examine the Plans, read the specifications and all other Contract Documents, visit the site of the project, and fully inform themselves as to all existing and local conditions and limitations. It is expressly stipulated that the drawings, Specifications and other Contract Documents set forth the requirements as to the nature of the work and do not purport to control the method of performing work except in those instances where the nature of the completed work is dependent upon the method of performance.

Submission of a bid shall constitute acknowledgment, upon which the City may rely that the Bidder



has thoroughly examined and is familiar with the Contract Documents. Failure or neglect of a Bidder to examine any of the Contract Documents shall in no way relieve him from any obligation with respect to his bid or to the Contract. No claim for additional compensation will be allowed which is based on a lack of knowledge of the work, or of the Contract Documents.

The quantities of the various classes of work to be done and material to be furnished under this Contract, which have been estimated as stated in the Proposal, are only approximate and are to be used solely for the purpose of comparing, on a consistent basis, the Proposals offered for the work under this Contract. The Contractor agrees that the City will not be held responsible if any of the quantities shall be found incorrect; except that in the event that the Contract price may be increased or decreased in accordance with Article 30 of the General Conditions through the issuance of the appropriate change orders to reflect the actual quantities of all items constructed, installed or incorporated in the work, the Contractor will not make any further claim for damages or for loss of profits because of a difference between the quantities of the various classes of work as estimated and the work actually done. If any error, omission, or misstatement is found to occur in the estimated quantities, the same shall not invalidate the Contract or release the Contractor from the execution and completion of the whole or any part of the work in accordance with the Specifications and the Plans herein mentioned, and for the prices herein agreed upon and fixed therefore, or excuse him from any of his obligations or liabilities hereunder, or entitle him to any damages or compensation except as may be provided in this Contract.

The successful Bidder, upon award of a Contract, shall commence work on the date specified in the "Notice to Proceed" and shall complete all work in accordance with the time schedule specified. Should the Contractor fail to complete all work in the allotted time period, liquidated damages shall be assessed as specified.

The City invites bids on the forms included as part of this Document to be submitted at such time and place as is stated in the Advertisement for Bids. All blanks in the Bid Proposal must be appropriately filled in with typewriter or ink. **Bidders are instructed not to turn in Bid Proposals that have been separated from the bound Contract Documents. It is the sole responsibility of the Bidder to see that the bid is received in proper time at the time and place stipulated in the Advertisement For Bids.** Any bids received after the scheduled closing time for receipt of bids will be returned to the Bidder unopened.

The bid must be signed in the name of the Bidder and must bear the signature in long hand of the person or persons duly authorized to sign the bid. Changes in or additions to the bid forms, recapitulations of the work bid upon, alternative proposals or any other modifications of the bid which are not specifically called for in the Contract Documents may be subject to City's rejection of the bid as not being responsive to the advertisements. No oral telephone modifications or telegraphic modifications of any bid submitted will be considered.

The bid submitted must not contain erasures, corrections or changes from the printed forms as completed in typewriter or ink, unless such erasures, corrections or changes are authenticated by affixing in the margin immediately opposite the erasure, correction or change, the full signature of the person who signed the bid or the signature of such other person as may be authorized by the Bidder to make erasures, corrections or changes in the bid, and said authorization must be evidenced by written confirmation, executed by the person authorized to sign the initial bid,

attached to the bid at the time of submittal.

If the bid is made by an individual, his or her name, signature, and post office address must be shown; if made by a firm or partnership, the name and post office of the firm or partnership, a list of the partners, and the signature of at least one of the general partners must be shown; if made by a corporation, the bid shall show the name of the state under the laws of which the corporation is chartered, the name and post office address of the corporation, and the title of the person who signs on behalf of the corporation. All signatures must be made in long hand. If a corporation makes the bid, a certified copy of the By-laws or resolution of the board of directors of the corporation shall be furnished showing the authority of the officer signing the bid to execute contracts on behalf of the corporation. If the bid is made by a joint venture, a representative of each of the joint venture firms shall sign the bid. Additionally, the bid shall include a copy of the resolution or agreement empowering the representative to execute the bid and bind the firm to the joint venture.

The City reserves the right to pre-qualify all bids, post-qualify all bids, or reject all bids, not to make an award or accept the Proposal deemed most advantageous and in the best interest of the City. The City shall enter into a Contract with the lowest responsible responsive bidder whose proposal is satisfactory. A written Notice of Award will be sent to the successful Bidder(s).

OR APPROVED EQUAL CLAUSE -- Manufacturers or suppliers of materials and equipment may request that alternatives to specified products be considered equal and that inclusion of such alternatives be permitted in the bids. Such request must be made in writing and received by the City Engineer at least five (5) calendar days prior to the date bids are to be received. Granting a request that an alternative product be considered equal to those specified may be made only by the issuance of an Addendum by the City. Denial of the request during bidding does not waive the manufacturer's or supplier's right to offer the alternative product to the Contractor after Award of the Contract. After Award of Contract, the offer will be considered as a substitution as provided under Article 6 of the General Conditions and will be considered only if the Engineer believes the offer of substitution is equal to or superior in quality to the specified product.

#### **PREPARATION OF BID**

- A. City reserves the right to reject any or all Bids, to waive any or all informalities, and the right to disregard all nonconforming, non-responsive or conditional Bids.
- B. City reserves the right to reject any Bid not accompanied by specified documentation and Bid security.
- C. City reserves the right to reject any Bid if it shows any omissions, alterations of form, additions not called for, conditions or qualifications, or irregularities of any kind.
- D. City reserves the right to reject any Bid that, in his sole discretion, is considered to be unreasonable as to the amount Bid for any lump sum or unit price item.
- E. A Bidder may withdraw his Bid before the time fixed for the opening of Bids by

communicating his purpose in writing to the City. Upon receipt of such written notice, the unopened Bid will be returned to the Bidder.

- F. The withdrawal of a Bid does not prejudice the right of a Bidder to file a new Bid, so long as the new Bid is submitted in conformance with the Information for and Instructions to Bidders prior to the closing time indicated for Bids in the Advertisement for Proposals.
- G. No Bidder may withdraw his Bid for forty-five (45) days after the time established for receiving Bids or before the Award and execution of the Contract unless the Award is delayed for a period exceeding forty-five (45) calendar days. The Award of the Contract to one party does not constitute a waiver of this condition.
- H. In evaluating Bids, City will consider the qualifications of Bidders; whether or not the Bids comply with the prescribed requirements; the alternatives, if any; the time or times for completion as stated in the Bid Form; and the lump sum and unit prices, if requested in the Bid Form.
- I. City may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the work for which the identity of Subcontractors and other persons and organizations must be submitted.
- J. City may conduct such investigation deemed necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of the Bidders, proposed Subcontractors and other persons and organizations to do the work in accordance with the Contract Documents. City reserves the right to reject the Bid of any Bidder who does not pass any such evaluation to City's satisfaction.
- K. Modification of a Bid already received will be considered only if the modification is received prior to the time established for receiving Bids. Modifications shall be made in writing, executed, and submitted in the same form and manner as the original Bid. The communication should not reveal the Bid Price, but should provide the addition or subtraction or other modifications so that the final price or terms will not be shown until the sealed Bids are opened.

## CONSTRUCTION CONTRACT

THIS CONTRACT, made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2021 by and between the City of Sedona, Arizona, hereinafter called the "Owner", and **Contractor Name**, hereinafter called the "Contractor."

WITNESSETH:

WHEREAS, the City has caused Contract Documents to be prepared for the construction of the **Posse Grounds Park Parking Lot and Soldiers Pass Road Shared Use Path Improvements Project (the "Project")**, City of Sedona, Arizona, as described therein; and

WHEREAS, the Contractor has offered to perform the proposed work in accordance with the terms of the Contract; and

WHEREAS, the Contractor, as will appear by reference to the minutes of the proceedings of the City Council was duly awarded the work.

NOW, THEREFORE, the parties hereto hereby stipulate, covenant and agree as follows:

1. The Contractor promises and agrees to and with the City that it shall perform everything required to be performed and shall provide and furnish all the labor, materials, necessary tools, expendable equipment, and all utility and transportation services required to perform and complete in a workmanlike manner all of the work required in connection with construction of the Project all in strict accordance with the Specifications and Drawings, including any and all Addenda, and in strict compliance with the Contractor's Proposal and all other Contract Documents, which are a part of the Contract; and the Contractor shall do everything required by this Contract and the other documents constituting a part thereof.
2. The Contractor agrees to perform all of the work described above in accordance with the Contract Documents and comply with the terms therein for the initial estimated Contract price of **\$X,XXX,XXX.XX**, subject to increase or decrease in accordance with the Contract Documents, and the Bid Schedule set forth therein; and the City agrees to pay the Contract Prices in accordance with the Bid Schedule for the performance of the work described herein in accordance with the Contract Documents.
3. The Contractor and the City agree that the terms, conditions, and covenants of the Contract are set forth in the Contract Documents and the Plans and Technical Specifications, and the Drawings Posse Grounds Park SIM-11b Parking lot Improvements Plans numbered Sheet 1 through Sheet 18 and Posse Grounds Park SIM-11b Sunset Trail/Soldiers Pass Road – Shared use Path (SUP) Improvements Plans numbered Sheet 1 through Sheet 14, all defined as the Contract Documents, and by this reference made a part hereof as if fully set forth herein.
4. The Contractor and the City agree that each will be bound by all terms and conditions of all of the Plans and Technical Specifications, and Contract Documents, as if the same were fully set forth herein, and hereby incorporate all of the foregoing into this Agreement.
5. The Contractor shall abide by all the laws of the United States of America, State of Arizona, Coconino/Yavapai Counties, and the City of Sedona, including a requirement that

Contractor obtain an annual Sedona Business License for every year that they do business with Sedona or within the City limits.

6. The Contractor shall carry Workers' Compensation Insurance and require all Subcontractors to carry Workers' Compensation Insurance as required by the Law of the State of Arizona, and all other insurance as set forth in the General Conditions.
7. Contractor, its agents, employees, and subcontractors, shall not discriminate in any employment policy or practice. "Discrimination" means to exclude individuals from an opportunity or participation in any activity or to accord different or unequal treatment in the context of a similar situation to similarly situated individuals because of race, color, gender, gender identity, sexual orientation, religion, national origin or ancestry, marital status, familial status, age, disability, or veteran status. (Ordinance 2015-10 (2015)).
8. Work under this Contract shall commence on the date specified in the written Notice to Proceed from the City to the Contractor. Upon receipt of said Notice, the Contractor shall diligently and continuously prosecute and complete all work under this Contract within the time specified on Page 2.
9. The Contract Document consist of the following component parts, all of which are a part of this Contract whether herein set out verbatim, or attached hereto:

Advertisement for Bids  
Information for and Instructions to Bidders  
Bid Proposal and Bid Guaranty Bond  
Contract (this document)  
Change Orders  
Addenda  
Performance Bond, Labor and Material Payment Bond  
Special Conditions  
General Conditions  
Technical Specifications  
Notice of Award  
Notice to Proceed  
Plans and Drawings  
Design Reports  
Standard Specifications  
Insurance Certificates

The above-named documents are essential parts of the Contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, the order of precedence is as follows:

1. Change Orders
2. Contract (this document), including addenda
3. Payment and Performance Bonds
4. Advertisement for Bids
5. Information for and Instructions to Bidders
6. Notice of Award

7. Notice to Proceed
8. Special Conditions
9. Bid Proposal
10. Technical Specifications
11. Plans and Drawings
12. General Conditions
13. Bid Guaranty Bond
14. Standard Specifications

In the event there is a conflict between any of the above listed documents, the provision of the document with the lower numerical value shall govern those documents with a higher numerical value. Within a category, the last in time is first in precedence.

**The Contractor shall not take advantage of any apparent error or omission in the Plans or Specifications.** In the event the Contractor discovers such an error or omission, he shall immediately notify the Owner. The City will then make such corrections and interpretations as may be deemed necessary for fulfilling the intent of the Plans and Specifications.

10. As part of the inducement for City to enter into this Agreement, Contractor makes the following representations:
  - A. Contractor has familiarized himself with the nature and extent of the Contract Documents, work, locality, and with all local conditions and federal, state and local laws, ordinances, rules and regulations that in any manner may affect cost, progress, or performance of the work.
  - B. Contractor has studied carefully all reports of investigations and tests of subsurface and latent physical conditions at the site or those reports that otherwise may affect cost, progress or performance of the work, which were utilized by Design Engineer in the preparation of the Drawings and Specifications and which have been identified in the Contract Documents.
  - C. Contractor has made or caused to be made examinations, investigations and tests, and studies of such reports and related data as he deems necessary for the performance of the work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents; and no additional examinations, investigations, tests, reports or similar data are or will be required by Contractor for such purposes.
  - D. Contractor has correlated the results of all such observations, examinations, investigations, tests, reports and data with the terms and conditions of the Contract Documents.
  - E. **Contractor has given the City Engineer written notice of all conflicts, errors or discrepancies that he has discovered in the Contract Documents** and the written resolution thereof by City Engineer is acceptable to Contractor.
  - F. Contractor has attended mandatory pre-bid meetings and walk-throughs.

11.
  - A. No assignment by a party hereto of any rights under or interest in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation, monies that may become due and monies that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
  - B. City and Contractor each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, and its partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.
  - C. Pursuant to Arizona Revised Statutes Section 38-511, the provisions of which are incorporated by reference as if fully set forth herein, all parties are hereby given notice that this Agreement is subject to cancellation by the City if any person significantly involved in initiating, negotiating, securing, drafting, or creating the Contract or Contract Documents on behalf of the City is, at any time while the Contract or Contract Document or any extension thereof is in effect, an employee or agent of any other party to the Contract or Contract Documents in any capacity or a consultant to any other party to the Contract or Contract Documents with respect to the subject matter of the Contract or Contract Documents.
12. During the performance of this Agreement, Contractor may also be under contract with the City for performance of work on other projects. A breach in the performance of any of Contractor's obligations under this Agreement shall constitute a breach of Contractor's obligations under any other agreement with the City and the breach by Contractor under other agreement with the City shall also constitute a breach of Contractor's obligations under this Agreement. The City may offset any amounts owed by Contractor under any such other agreement from any amounts owed to Contractor under this Agreement.
13. The Contract Documents constitute the entire Agreement between the parties.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement which shall be deemed an original on the date first above written.

**CITY: City of Sedona, Arizona**

BY: \_\_\_\_\_

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

TITLE: \_\_\_\_\_

(SEAL)

ATTEST:

BY: \_\_\_\_\_

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

**CONTRACTOR:**

BY: \_\_\_\_\_

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

TITLE: \_\_\_\_\_

(SEAL)

ATTEST:

BY: \_\_\_\_\_

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

**APPROVED AS TO LEGAL FORM:**

BY: \_\_\_\_\_

(City Attorney)

DATE: \_\_\_\_\_



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

(This bond must not be less than ten percent (10%) of the bid amount)

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned \_\_\_\_\_, (hereinafter "Principal"), as Principal, and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_, with its principal offices in the City of \_\_\_\_\_, (hereinafter "Surety"), as Surety, are held and firmly bound unto the City of Sedona, the State of Arizona, (hereinafter "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

**Posse Grounds Park Parking Lot**  
**and**  
**Soldiers Pass Road Shared Use Path Improvements Project**

NOW, THEREFORE, if the Obligee accepts the proposal of the Principal and the Principal enters into a contract with the Obligee in accordance with the terms of the proposal and gives the bonds and certificates of insurance as specified in the Contract Documents with good and sufficient surety for the faithful performance of the contract and for the 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 \_\_\_\_\_, 2021.

\_\_\_\_\_  
PRINCIPAL

\_\_\_\_\_  
Seal

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

Title: \_\_\_\_\_

\_\_\_\_\_  
AGENCY OF RECORD

\_\_\_\_\_  
SURETY

\_\_\_\_\_  
Seal

\_\_\_\_\_  
AGENCY ADDRESS

(Attach Power of Attorney form)

**STATUTORY BID BOND**  
(Check to accompany bid)

(Note: The following form shall be used when a check accompanies bid)

Accompanying this proposal is a Cashier's Check payable to the order of the City of Sedona hereinafter referred to as "City," for **Posse Grounds Park Parking Lot and Soldiers Pass Road Shared Use Path Improvements Project** in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), this amount being ten percent (10%) of the total amount of the Bid. The proceeds of this check shall become the property of said City provided this proposal shall be accepted by said City through action of its legally constituted contracting authorities and the undersigned shall fail to execute a contract and furnish the required Performance and Payment Bonds and proof of insurance coverage within the stipulated time; otherwise, the check shall be returned to the undersigned. The proceeds of this check shall also become the property of the City if the undersigned shall withdraw his bid within the period of forty-five (45) days after the date set for the opening thereof, unless otherwise required by law, and notwithstanding the award of the Contract to another Bidder.

\_\_\_\_\_  
  
\_\_\_\_\_  
  
\_\_\_\_\_  
Bidder

(NOTE: If the Bidder desires to use a bond instead of a check, the Bid Bond Form on the previous two (2) pages shall be executed -- the sum of this bond shall not be less than ten percent (10%) of the total amount of this Bid.)

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

(This Bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That, \_\_\_\_\_ (hereinafter "Principal"), as Principal, and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_ with its principal office in the City of \_\_\_\_\_, (hereinafter "Surety"), as Surety, are held and firmly bound unto the City of Sedona, State of Arizona, (hereinafter "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 entered into a certain written Contract with the \_\_\_\_\_, dated the \_\_\_\_\_ day of \_\_\_\_\_, 2021 to

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all of the undertakings, covenants, terms conditions and agreements of the Contract during the original term of the Contract and any extension of the Contract, with or without notice to the Surety, and during the life of any guaranty required under the Contract, and also performs and fulfills all of the undertakings, covenants, terms conditions and agreements of all duly authorized modifications of the Contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the extent as if it were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the Court.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

\_\_\_\_\_  
PRINCIPAL Seal

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

Title: \_\_\_\_\_

AGENCY OF RECORD

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

AGENCY ADDRESS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
SURETY SEAL

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

(Attach Power of Attorney Form)

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

(This Bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That, \_\_\_\_\_ (hereinafter "Principal"), as Principal, and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_ with its principal office in the City of \_\_\_\_\_, (hereinafter "Surety"), as Surety, are held and firmly bound unto the City of Sedona, State of Arizona (hereinafter "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 entered into a certain written contract with the Obligee dated the \_\_\_\_\_ day of \_\_\_\_\_, 2021, \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal promptly pays all monies due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this agreement.

The prevailing party in a suit on this bond shall recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the Court.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

\_\_\_\_\_  
PRINCIPAL Seal

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

Title: \_\_\_\_\_

AGENCY OF RECORD

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

AGENCY ADDRESS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
SURETY SEAL

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

(Attach Power of Attorney Form)

**BID PROPOSAL**

City of Sedona:

The undersigned Bidder, having examined the specifications, drawings and all other documents contained in the Contract Documents, attended all mandatory pre-bid meetings, and having examined the site where the work is being performed, and having familiarized himself with any local conditions affecting the work and having knowledge of the cost of work at the place where the work is to be done, hereby proposes to execute and perform the formal Contract set forth in these Contract Documents, of which this Proposal forms a part, and will do the work therein described on the terms and conditions therein set forth; and furnish all required labor, materials, tools, equipment, transportation and services for said work, and pay all taxes and other incidental costs, all in strict conformity with the drawings and specifications forming a part of the Contract Documents for the Unit Prices entered based on the Bidding Schedule included herein, said prices to only be amended or altered in accordance with the Contract Documents.

It is understood that any listed quantities of work to be done at unit prices are **approximate** only, and are intended to serve as a guide in evaluating bids.

It is further agreed that any quantities of work to be done at unit prices and material to be furnished may be increased or decreased as may be considered necessary, in the opinion of the City, to complete the work fully as planned and contemplated and that all quantities of work, whether increased or decreased, are to be performed at the unit prices set forth in the Bid Schedule, except as otherwise provided for in the Contract Documents.

It is further agreed that payments may be increased to cover additional work ordered by the City, but not shown on the Plans or required by the Specifications in accordance with General Condition No. 47. Similarly, payments may decrease if work is deleted or changed.

By submitting a bid, the Bidder acknowledges the understanding that the bid process is solely intended to serve the public interest in achieving the highest quality of services and goods at the lowest price, and that no right, interest, or expectation shall vest or inure to the benefit of Bidders as a result of any reliance or participation in the process.

In submitting this Proposal, it is understood that the right is reserved by the City to reject any or all Proposals and waive informalities or irregularities in Proposals. The City also reserves the right to delay the award of a contract for a period not to exceed forty-five (45) days from the date of the opening of bids.

The undersigned Bidder further agrees, if awarded the contract for the work included in this Proposal, to begin and to complete and deliver the work contemplated in accordance with all the conditions set forth in the Contract Documents.



The undersigned Bidder has carefully checked the figures inserted by him and understands that they are the Bidder's sole responsibility, and the City will not be responsible for any errors or omissions on the part of the undersigned Bidder in preparing this Proposal although City may check and correct mathematical accuracy in evaluation of the bids.

The undersigned Bidder certifies that this Proposal is genuine, not collusive, or made in the interest or behalf of any person not named as provided in the Information for and Instructions to Bidders, and that the undersigned has not, directly, or indirectly, induced or solicited any other Bidder, or induced any other person, firm, or corporation to refrain from submitting a proposal, and the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other Bidder.

Attached is a certified check without endorsement and with conditions payable to the City of Sedona in the sum of ten percent (10%) of the total bid drawn on a bank which is a member of Federal Reserve System or which is a member of the Federal Deposit Insurance Corporation, or a cashier's check for ten percent (10%) of the total bid or a Bid Bond written by an approved surety company for ten percent (10%) of the total bid.

The undersigned submits a bid bond pursuant to Section 34-201, Arizona Revised Statutes, payable to the City, equal to ten percent (10%) of the total amount of this proposal, and agrees that said bid bond shall be given as a guarantee that the Bidder will enter into the Contract within the time herein stated if the award is made to him by the City. In case of the Bidder's refusal or failure to do so within ten (10) days of Notice of the Award of Contract, or within five (5) days after receiving notice from the City of the rejection of any objections to the Notice of Award, the bond will be forfeited.

The Bidder grants the City the right to hold the lowest three (3) Proposals received, together with the accompanying bid securities, for a period of forty-five (45) days after the date of opening of said Proposals.

The undersigned Bidder further grants the City the right to award this Contract on the basis of any possible combinations of Base Bid and add/deduct alternate(s) (if any) that best suits the City's needs.

Bidder agrees that the City has determined that a reasonable time for the **Posse Ground Parking and Soldiers Pass Shared Use Path (SUP) Improvements Project** is the contract time stated in the Advertisement for Bids and issued addendum. The Bidder agrees that this proposal is submitted on this basis, subject to provisions contained in the Contract Documents relating to extensions of time, and agrees to plan and prosecute the work with such diligence that the work shall be completed within the time specified.

Bidder agrees that the bid includes the following items which have been completed in full by the Bidder:

- (a) Bid or Proposal
- (b) Bid Schedule
- (c) Bid Guaranty Bond

- (d) Certification of the Bidder's experience and qualifications and statement of Bidder's Qualifications
- (e) List of all proposed Subcontractors
- (f) Schedule of manufacturers and suppliers, major equipment, and material items
- (g) Non-collusion Affidavit
- (h) Certificate of Insurability
- (i) Signed Addenda

Bidder agrees that the City assumes no responsibility for any understanding or representation made by any of its Council members, officers or agents during or prior to the bidding and execution of the Contract, unless (1) such understanding or representations are expressly stated in the Contract or Addenda thereto, or (2) the Contract expressly provides that responsibility therefore is assumed by the City, or (3) said understanding or representation is contained in the information supplied to Bidders by the City or the City Engineer, or as information distributed pursuant to the Information for and Instructions to Bidders. The Bidder further understands that only the Mayor and Council of the City through action taken at a properly noticed meeting, can waive any term or condition or requirement of this Contract or of the bid.

Bidder agrees that all terms set forth in the Information for and Instructions to Bidders as well as all other Contract Documents shall be binding upon the Bidder if a Notice of Award is issued in favor of said Bidder by the City.

Bidder agrees that all major equipment and suppliers shall be set forth herein on the attached "Schedule of Manufacturers and Suppliers, Major Equipment and Material Items",

Bidder understands that this project is to be constructed in compliance with all City, State and Federal laws, rules and regulations, which are applicable to the project and the Contractor and all work performed hereunder.

In making this proposal, the undersigned incorporates and acknowledges all definitions set forth in the Contract Documents.

The undersigned hereby submits this proposal and the accompanying Bid Schedule as its proposal to construct the improvements described in the Contract Documents.

The name and location of the place of business of each Subcontractor who will perform work or labor or render service to the general Contractor in or about the construction of the work or improvements in an amount in excess of one and one-half percent (1.5%) of the general Contractor's total Bid, and the portion of the work which will be done by each Subcontractor is set forth in the Proposed Subcontractor list attached hereto.

Bidder has received all Addenda before submission of Bid, and has examined the same and has included them in the Contract Documents prior to submitting the Bid and has submitted the Bid based upon them.

The Bonding company which will supply the required Performance and Payment bond is:

**BID SCHEDULES**

**City of Sedona – Posse Ground Parking Improvements Project and Soldiers Pass Shared Use Path Improvements Project # 2021-SIM-11b**

**POSSE GROUNDS PARK SIM-11B PARKING LOT IMPROVEMENT PLANS  
CITY OF SEDONA, YAVAPAI COUNTY, ARIZONA**

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENDED TOTAL
1	PROTECT IN PLACE - TREES	1	LS		
2	CLEAR AND GRUB, MAG 201.5/GC33	1	LS		
3	EARTHWORK AND SUBGRADE PREPARATION, MAG 301	1	LS		
4	RIP-RAP D50=6"	45	CY		
5	RIBBON CURB, MAG STD DET 220-B MOD (18" WIDE)	2,127	LF		
6	4-INCH VERTICAL CURB, MAG STD DET 220-A MOD (18" WIDE)	218	LF		
7	6-INCH VERTICAL CURB, MAG STD DET 220-A MOD (18" WIDE)	206	LF		
8	ASPHALT PAVEMENT, PAVING SECTION NO. 1	2,372	SY		
9	STABILIZED DECOMPOSED GRANITE, PAVING SECTION NO. 2	7,865	SF		
10	4-INCH THICK CONCRETE SIDEWALK, MAG STD DET 230	2,252	SF		
11	8-INCH THICK CONCRETE PAVEMENT, PAVING SECTION NO. 3	615	SF		
12	STEEL EDGING 1/4" X 5" X 16'	863	LF		
13	I-BEAM WHEEL STOPS 4"(W) X 8" (H) X1/2" - 72-INCHES LONG	38	EA		
14	PARKING LOT DELINEATION	52	EA		
15	CATCH BASIN & GRATE, MAG STD DET 535, TYPE F	1	EA		
16	CONCRETE APRON (CATCH BASIN) 4-FOOT WIDE	1	LS		
17	18-INCH RGRCP CLASS III	50	LF		
18	FLARED END SECTION 18-INCH RGRCP	1	EA		
19	TRAIL CROSSING PAVED ROADWAY - CONCRETE PAVERS	2	EA		
20	NEW TRAIL GRADING AND SURFACING - 8-FOOT TRAIL	2,000	SF		
21	ROCK RETAINING WALL - 30-INCH MAXIMUM WALL HEIGHT	67	LF		
22	CONCRETE STAIRS - ADA	1	LS		
23	DOUBLE VAULT WATERLESS RESTROOM	1	LS		
24	ADA SIGNAGE	1	LS		
25	MOBILIZATION, MAG 109.1/GC 33	1	LS		
26	TRAFFIC CONTROL, MAG 401/GC 18.D	1	LS		

27	QUALITY ASSURANCE AND QUALITY CONTROL TESTING <b>MAG 106.2/GC58</b>	1	LS		
28	CONSTRUCTION STAKING <b>SP 105.8 &amp; 105.16</b>	1	LS		
29	AS-BUILT PREPARATION	1	LS		
30	EROSION CONTROL/STORMWATER POLLUTION PREVENTION PLAN	1	LS		
31	REMOVE, SALVAGE & RELOCATE CHAIN LINK FENCE	1	LS		
32	SIGNAGE (SIGNS & SIGN BASE)	1	LS		
				<b>TOTAL BID</b>	
<b>CIP: COMPLETE IN PLACE</b>					
Owner reserves the right to vary the quantities shown at their discretion. The contractor will accept the quantities if no corrections are made at the conclusion of the pre-bid meeting. All facilities incidental to the item are included in the unit price estimate. Bid Prices submitted include all local, state and federal taxes.					

UNIT PRICES SHALL BE USED WHEN EXTENSION OF UNIT PRICES AND TOTAL AMOUNT CONFLICT. WRITTEN UNIT PRICES SHALL BE USED WHEN WRITTEN AND NUMERICAL UNIT PRICES CONFLICT. BID PRICES SUBMITTED INCLUDE ALL LOCAL, STATE AND FEDERAL TAXES.

The City of Sedona reserves the right to reject all bids, or to award only the base bid, or to award a bid based upon the total of the Base Bid plus additive alternate(s) as selected for award from the additive alternate bid schedule, if additive alternate bid schedule is applicable.

**NOTE: Bid Schedule items and quantities may differ from those shown on Plan**

**SIM-11B/ SUNSET TRAIL/SOLDIERS PASS ROAD SHARED USE PATH IMPROVEMENT PLANS  
CITY OF SEDONA, YAVAPAI COUNTY, ARIZONA**

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENDED TOTAL
	<u>DEMOLITION</u>				
1	CLEAR AND GRUB	1	LS		
2	SAWCUT EXISTING AC PAVEMENT	2,132	LF		
3	REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT	506	SY		
	<u>CONSTRUCTION SHARED USE PATH</u>				
4	EARTHWORK AND SUBGRADE PREPARATION	1	LS		
5	DECOMPOSED GRANITE SHARED USE PATH	22,703	SF		
6	RIP-RAP D50=6" - 12" TO 18" THICKNESS	35	CY		
7	CONCRETE DRAINAGE CROSSING SHARED USE PATH	480	SF		
8	RAISED CONCRETE CROSSWALK	1	EA		
9	RIBBON CURB, MAG STD DET 220-B MOD(18" WIDE)	2,235	LF		
10	INSTALL 12" HDPE ADS (N12) STORM DRAIN PIPE	140	LF		
11	INSTALL 6" WIDE WHITE LANE STRIPING	2,540	LF		

12	DRY STACKED RED ROCK RETAINING WALL (TBD IN FIELD) TBD LF	TBD	LF		
13	EXTEND EXISTING 48" CMP 14 GAUGE	20	LF		
14	EXTEND EXISTING 12" CMP 14 GAUGE	18	LF		
15	INSTALL CONCRETE DRIVEWAY PAVERS	826	SF		
16	DRY STACKED RED ROCK HEADWALL	46	LF		
17	6-INCH VERTICAL CURB, MAG STD DET 220-A MOD (18" WIDE)	50	LF		
18	INSTALL 2.5' CURB TERMINATION MAG STD DET 222 (VC)	5	LF		
19	INSTALL SAFETY RAIL PER MAG STD DET 145, TYPE 4	103	LF		
20	30' LONG X 8' WIDE CONTINENTAL CONNECTOR BRIDGE	1	LS		
21	BRIDGE ABUTMENTS (CIP)	1	LS		
22	KEYSTONE MSE RETAINING WALL	65	LF		
23					
24					
	<u>MISCELLANEOUS ITEMS</u>				
25	MOBILIZATION	1	LS		
26	TRAFFIC CONTROL	1	LS		
27	QUALITY ASSURANCE AND QUALITY CONTROL TESTING	1	LS		
28	CONSTRUCTION STAKING	1	LS		
29	AS-BUILT PREPARATION	1	LS		
30	EROSION CONTROL/STORMWATER POLLUTION PREVENTION PLAN	1	LS		
31	SIGNAGE (SIGNS & SIGN BASE)	1	LS		
				<b>TOTAL BID</b>	

**CIP: COMPLETE IN PLACE**

Owner reserves the right to vary the quantities shown at their discretion. The contractor will accept the quantities if no corrections are made at the conclusion of the pre-bid meeting. All facilities incidental to the item are included in the unit price estimate. Bid Prices submitted include all local, state and federal taxes.

UNIT PRICES SHALL BE USED WHEN EXTENSION OF UNIT PRICES AND TOTAL AMOUNT CONFLICT. WRITTEN UNIT PRICES SHALL BE USED WHEN WRITTEN AND NUMERICAL UNIT PRICES CONFLICT. BID PRICES SUBMITTED INCLUDE ALL LOCAL, STATE AND FEDERAL TAXES.

The City of Sedona reserves the right to reject all bids, or to award only the base bid, or to award a bid based upon the total of the Base Bid plus additive alternate(s) as selected for award from the additive alternate bid schedule, if additive alternate bid schedule is applicable.

**NOTE: Bid Schedule items and quantities may differ from those shown on Plan**

The undersigned is licensed in accordance with the Laws of the State of Arizona:

License Number \_\_\_\_\_ Class \_\_\_\_\_

NOW: In compliance with the Notice Inviting Bids and all the provisions hereinbefore and after stipulated, the undersigned, with full cognizance thereof, hereby proposes to perform the Work for the prices set forth in the preceding Schedule(s) upon which award of contract is made.

Individual Contractor Name: \_\_\_\_\_ Address: \_\_\_\_\_

Partnership Name: \_\_\_\_\_ Business Address: \_\_\_\_\_  
By: \_\_\_\_\_, Partner  
Other Partners: \_\_\_\_\_

Corporation Name: \_\_\_\_\_ Business Address: \_\_\_\_\_  
By: \_\_\_\_\_, President  
\_\_\_\_\_, Secretary

Organized under the Laws of the State of \_\_\_\_\_

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

(SEAL) By: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The undersigned Bidder acknowledges receipt of the following addendum:

Addendum #	Dated	Initial
_____	_____	_____
_____	_____	_____

\_\_\_\_\_  
Signature of Bidder

**PROPOSED SUBCONTRACTORS**

The following information gives the name, business address, and portion of work (description of work to be done) for each Subcontractor that will be used in the work if the Bidder is awarded the Contract. No Subcontractor doing work in excess of one and one-half percent (1.5%) of the total amount of the bid and who is not listed shall be used without the written approval of the City, which shall not be unreasonably withheld. (Additional supporting data may be attached to this page. Each page shall be sequentially numbered and headed "Proposed Subcontractors" and shall be signed.) Substitutions of Subcontractors may be made by the Bidder as long as all Subcontractors used meet all requirements for all Subcontractors and all subcontract agreements meet all requirements set forth in the Contract Documents. The total value of subcontracted work shall not exceed fifty percent (50%) of the contract work as bid. The Bidder shall perform 50% or more of the contract work using Bidder's organization, unless stated otherwise in the specifications. **The subcontractor shall have the license required for the work performed. The subcontractor will be required to have a current City of Sedona Business License for the duration of the contract.**

<u>Subcontractor Name</u>	<u>Business Address</u>	<u>Description of Work</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

\_\_\_\_\_  
Signature of Bidder

**SCHEDULE OF MANUFACTURERS AND SUPPLIERS - MAJOR EQUIPMENT AND MATERIAL ITEMS**

The Bidder proposes that the named items of major equipment and materials required for work will be supplied by the manufacturers or suppliers set forth below as written in by the Bidder. Substitutions will be allowed in accordance with the Contract Documents:

**Item**

**Manufacturer or Supplier**

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**WORKMEN'S COMPENSATION INSURANCE**  
**CERTIFICATE**

I am aware of the provisions of Arizona Law, which require every employer to be insured against liability for workmen's compensation in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

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

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

**NON-COLLUSION AFFIDAVIT**

TO BE EXECUTED BY EACH AWARDEE OF A PRINCIPAL CONTRACT IN THE

STATE OF \_\_\_\_\_ )  
 ) ss  
 COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_, being first duly sworn, deposes and says:

1. That he is \_\_\_\_\_ (sole owner, a partner, president, secretary, etc.) of \_\_\_\_\_, the party making the foregoing Bid.
2. That such Bid is not made in the interest of or on behalf of any undisclosed person, partnership, company association, organization, or corporation.
3. That such Bid is genuine and not collusive or sham.
4. That said bidder has not directly induced or solicited any other Bidder to put in a false or sham Bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham Bid, or that anyone shall refrain from bidding.
5. That said Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the Bid Price of said Bidder or of any other Bidder, nor to fix any overhead, profit, or cost element of such Bid Price, nor of that of any other Bidder, nor to secure any advantage against the public body awarding the Contract or anyone interested in the proposed Contract.
6. That all statements contained in such Bid are true.
7. That said Bidder has not, directly or indirectly, submitted his Bid Price or any breakdown thereof, nor the contents thereof, nor divulged information or data relative thereto, nor paid and will not pay any fee in connection therewith to any corporation, partnership, company, association, organization, bid depository, nor to any member or agent thereof, nor to any other individual except to such person or persons as have a partnership or other financial interest with said Bidder in his general business.

**NON-COLLUSION AFFIDAVIT**

(Continued)

\_\_\_\_\_  
Name of Business

\_\_\_\_\_  
By

\_\_\_\_\_  
Title

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

\_\_\_\_\_  
(Notary Public)

My Commission expires: \_\_\_\_\_

# STATEMENT OF BIDDER'S QUALIFICATIONS

If bidder is a corporation, answer the following:

- (a) Date of incorporation: \_\_\_\_\_
- (b) State of incorporation: \_\_\_\_\_
- (c) President's name: \_\_\_\_\_
- (d) Vice President's name(s): \_\_\_\_\_
- (e) Secretary's or Clerk's name: \_\_\_\_\_
- (f) Treasurer's name: \_\_\_\_\_

If bidder is a partnership, answer the following:

- (a) Date of organization: \_\_\_\_\_
- (b) Name and address of all partners. State whether it is a general or limited partnership:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If other than a corporation or partnership, describe the organization and name principals:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Major Types of Work Done by Company: \_\_\_\_\_

\_\_\_\_\_

Principal Office: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Contractor's Bank and Local Contact: \_\_\_\_\_

**EXPERIENCE QUESTIONNAIRE**

1. How many years has your organization been in business as a contractor under your present business name?

\_\_\_\_\_

2. How many years' experience in the proposed type and size of construction work has your organization had:

\_\_\_\_\_

(a) As a general contractor? \_\_\_\_\_

(b) As a subcontractor? \_\_\_\_\_

3. Are you licensed as a General Engineering contractor, or any other title?

\_\_\_\_\_

If "yes", in what city, county and state? \_\_\_\_\_

What class license and number? \_\_\_\_\_

4. List the most recent projects your organization has had in construction of work similar in type and size to the work proposed herein:

<u>Contract</u> <u>Amount</u>	<u>Class of</u> <u>Work</u>	<u>When</u> <u>Completed</u>	<u>Name, Address and</u> <u>Telephone No. of City</u>
----------------------------------	--------------------------------	---------------------------------	--

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Has any construction contract to which you have been a party been terminated by the owner; have you ever terminated work on a project prior to its completion for any reason; has any surety which issued a performance bond on your behalf ever completed the work

in its own name or financed such completion on your behalf; has any surety extended any monies in connection with the contract for which they furnished a bond on your behalf? If the answer to any portion of this question is “yes”, please furnish details of all such occurrences including the name of the owner, architect or engineer, and surety, name and date of project.

YES       NO

6. Has any officer or partner of your organization ever been an officer or partner of another organization that had any construction contract terminated by the owner; terminated work on a project prior to its completion for any reason; had any surety which issued a performance bond complete the work in its own name or finance such completion; or had any surety expend any monies in connection with the contract for which they furnished a bond? If the answer to any portion of this question is “yes”, please furnish details of all such occurrences including name of owner, architect or engineer, and surety, name and date of project.

YES       NO

7. What is the stabilized decomposed granite construction, concrete curb & gutter construction, and sidewalk ramp construction, gabion basket and concrete retaining wall construction, and drainage construction experience of the principal individuals of your organization?

Individual's Name	Yrs Exp with this Company	Present Position or Office	Years of Construction Experience	Magnitude & Type of Work	In What Capacity

8. How many stabilized decomposed granite shared use path/sidewalk projects has your company, or the sub-contractor responsible for this work, completed in the past 10-years? (This does not include an individual’s experience, separate from the company’s experience; an individual’s experience should be listed in their resume, if provided.)  
**(List a minimum of 3 projects)**

NO.	Project Name	Owner	Contact	Contact Phone	Amount
1					
2					
3					

9. How many municipal projects, has your company completed in the past 10-years? (This does not include an individual's experience, separate from the company's experience; an individual's experience should be listed in their resume, if provided. **(List a minimum of 6 projects)**)

NO.	Project Name	Owner	Contact	Contact Phone	Amount
1					
2					
3					
4					
5					
6					

**BIDDER'S AFFIDAVIT**

The undersigned, as \_\_\_\_\_  
 (President, Officer of Corporation, Member of Firm) of the prospective bidder, hereby certifies that the foregoing information is, to the best of his/her knowledge and belief, true and accurate as of the \_\_\_\_ day of \_\_\_\_\_, 2021. Contractor, by his signature hereon, authorized the obtaining of reference information and hereby releases the party providing such information and the City of Sedona from any and all liability to Contractor as a result of such reference information being provided. Contractor further waives any right to receive copies if information so provided.

Corporate Seal  
 (If Corporation)

Contractor

BY: \_\_\_\_\_  
 Position (must be President, Officer of Corporation or member of Partnership as applicable)

STATE OF \_\_\_\_\_ )  
 ) ss  
 COUNTY OF \_\_\_\_\_ )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_,  
 2021 by \_\_\_\_\_ as \_\_\_\_\_ for the  
 \_\_\_\_\_.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

\_\_\_\_\_  
 (Notary Public)

My Commission expires: \_\_\_\_\_



## CONTRACTOR'S FINANCIAL STATEMENT

1. Submit the most recent financial statements, including the Balance Sheet, Income Statement, sources and uses of funds, notes to the financial statement, and the auditor's opinion, that cover the most recent twelve (12) month period. These statements must have been audited by a Certified Public Accountant. However, if the prospective bidder has previously performed satisfactory work according to the City of Sedona's Engineering Department, unaudited financial statements may be allowed.

Financial statements must be submitted on an accrual basis, in a form which clearly indicates the bidder's assets, liabilities, and net worth.

2. Also submit the most recent unaudited financial statements subsequent to number 1 above.

**(Financial statements shall be required of and submitted by the apparent low bidder within two (2) days after the bid opening)**

**CERTIFICATE OF INSURABILITY**

I hereby certify that as Bidder to the City of Sedona, Arizona, \_\_\_\_\_ project, I am fully aware of the requirements of the City insurance requirements for contractors and that by submitting this bid proposal, assure the City that I am able to produce the required minimum insurance coverage should I be selected to be the successful Bidder.

Should I be selected to be the successful Bidder and then become unable to produce the insurance coverage within ten (10) days of receipt of the Notice of Award, I understand that my bid will be rejected and that I will forfeit my bid bond.

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

Title: \_\_\_\_\_

## **SPECIAL CONDITIONS**

### General

Work shall be in accordance with Uniform Standard Specifications for Public Works Construction, distributed by Maricopa Association of Governments, 2020 edition (MAG), except to the extent that these specifications specify other procedures, processes, forms, materials, details, or other direction regarding the work, and as required to comply with local ordinances and regulations.

Whenever the term County is used it shall be held to mean the City of Sedona. Whenever the term County Engineer is used it shall be held to refer to the City Engineer.

**PLEASE NOTE: To be considered a responsive bid, a minimum of three (3) Past Performance Questionnaires (PPQ), sent separately by at least three (3) references, must be delivered by the bid opening time and date as instructed on the PPQ Form located at the end of these Special Conditions.**

### General Provisions

The General Conditions and Specifications shall be considered as immediately following the Special Conditions in Order of Precedence and are part of the Contract documents.

#### **1. Project Sign**

The Contractor shall install one project sign. The sign shall identify the project and the City of Sedona as the Project owner, and provide contact information for both the City and the Contractor. Each sign shall be securely mounted and placed so that the bottom of the sign does not impede vehicular or pedestrian traffic flow or otherwise become a safety concern. The Contractor shall provide the project sign for the duration of the on-site work on the project. Payment of more than 75% of mobilization shall not be payable until the sign is in place. Failure to maintain the sign erect and in legible condition may result in up to a deduction from the contract payment equal to 0.25% for each time a written notice regarding improper sign maintenance is issued by the Engineer.

The required sign shall be mounted at a location within the project limits visible to the public as it enters or moves adjacent to the project area. The Contractor shall locate the sign in a location mutually agreeable to the Project Engineer and the Contractor within the project area. The sign shall be constructed per the Project Construction Sign Detail included at the end of the Special Conditions section. Compensation for this item shall be considered as included in the price for bid item "Mobilization". The Contractor shall present the sign design as a project submittal. The Percent Complete Bars shall be filled in as the project progresses in accordance with Article 6 of the General Conditions.

#### **2. Public Convenience and Safety**

Within the City of Sedona, public convenience and safety are matters to which the Contractor is expected to devote attention to at all times during the project. The Contractor shall minimize

disruption of normal vehicular and pedestrian traffic patterns and routes, the disruption of normal property services such as, but not limited to, mail delivery and garbage pick-up. Failure in making these provisions shall subject the Contractor to deductions from payments due under the contract as determined by the City Engineer.

### **3. Start of Construction**

Construction shall not begin until the Contractor has at a minimum provided the following:

- A Traffic Control Plan that has been approved by the City Engineer
- Storm Water Pollution Control provisions are in place
- An approved AZPDES Construction General Permit (disturbed area will be >1 acre)
- A minimum of 2 working days written notice delivered to property owners/residents within and 300 feet adjacent to the work area. The notice shall state the Contractor's contact information, brief description of the project, and the project's anticipated start date
- Survey stakes and marks have been placed in the field to accommodate at least two weeks construction work and survey notes have been provided to the City as per the project specifications
- The Project Sign has been installed
- Equipment Rate Submittal as required by Section 47.D.3 of the General Conditions
- A complete project schedule as required by the General Conditions and Section 2 of the Special Conditions

This provision shall not require that the City of Sedona refrain from issuing a notice to proceed or require an extension of time to accommodate Contractor compliance with it.

### **4. Project Control**

- The horizontal and vertical control is shown on the civil drawings
- The benchmarks are indicated on the civil drawings
- The Contractor shall be responsible for all survey on the project (**see Section 15 of the General Conditions**)

### **5. Submittals**

In addition to the submittals called for in the Technical Specifications and General Conditions, additional submittals are required for the following items: project sign and equipment rental rates for all equipment to be utilized for the project (as required by Section 47.D.3 of the General Conditions).

### **6. Various items of Work**

**The Contractor shall provide the City reasonable and timely notice in writing prior to exceeding quantities established in the Bid Schedule. Failure to notify the City in a timely manner prior to**

**exceeding the contractual quantities identified in the Bid Schedule shall be sufficient reason for the City to deny such claim.**

**It shall be the prime contractor's responsibility to communicate and coordinate with residents/owners regarding access to properties during all phases of construction that could potentially limit such access.**

It is the contractor's responsibility to comply with the ADA, specifically the requirements of ADAAG, even if the project plans show an item to not meet the requirements of ADAAG.

All concrete work shall be protected from freezing temperatures.

The City of Sedona reserves the right to request a schedule of values for any of the lump sum bid items.

All guarantees shall be per Section 51 of the General Conditions.

The contractor shall provide copies of all required testing to the City's Project Manager and Inspector.

The City reserves the right to require that payment requests be submitted in a format it approves.

The City may require information as necessary to verify proper work eligibility of persons, subcontractor, or others providing labor, equipment, material or services to this project. This may include but is not limited to social security numbers, driver's license numbers, and evidence of age.

## **7. Permits**

The Contractor shall be responsible for obtaining permits bearing on the work and adhere to provisions of said permits. The Contractor shall also adhere to requirements of Homeowner Associations or similar organizations when establishing equipment, storage or other yards within subdivisions. Evidence of such adherence shall be provided in writing, if requested by the city.

The contractor shall obtain an AZPDES Construction General Permit (disturbed area will be >1 acre).

The contractor shall comply with all conditions of the Temporary Use Permit related to the construction staging areas. The City of Sedona will be obtaining this permit, if one is needed. It will be the contractor's responsibility to make arrangements for construction staging areas.

## **8. Utility Relocation**

It shall be the responsibility of the Contractor to arrange and coordinate the relocation of any utilities found to be in conflict with the work. Utility relocation costs not identified as a bid item in the contract will be the City's responsibility.

**9. Local Drainage**

The Contractor shall reconstruct roadways, driveways, sidewalks, ditches and other surfaces at elevations that will ensure the drainage is improved or unchanged from the existing pre-construction conditions.

The Contractor shall manage any upstream flows during construction to maintain continuous conveyance and historic flow patterns through the project area.

**10. Required Inspection**

Work requiring inspection includes the following: testing, traffic control setup and removal, asphalt preparation and placement, cleanup, rebar inspection, trench bedding placement and backfill compaction, pipe placement, concrete formwork prior to pouring concrete, and ADA compliance.

**11. Pre-Construction Video**

The “Mobilization” bid item shall include acquiring high-resolution video to document pre-construction conditions of the entire project work area. The pre-construction video shall be submitted to the City prior to mobilization occurring.

**NOTICE OF AWARD**

Date

Contractor Name  
Street or PO Box  
City, State Zip

**SUBJECT: NOTICE OF AWARD – POSSE GROUNDS PARK PARKING LOT AND SOLDIERS PASS ROAD SHARED USE PATH IMPROVEMENTS PROJECT**

The City of Sedona, having duly considered the bid submitted on \_\_\_\_\_, 2021 for the City of Sedona \_\_\_\_\_ as outlined in the Contract Documents and detailed on the drawings, and it appearing that your proposal for performing the work is fair, equitable, and in the City’s best interest, and the bid includes price for work in the bid schedule in the estimated total amount of \$ \_\_\_\_\_ said bid is hereby accepted at the prices contained therein, and in accordance with all provisions set forth in the Contract Documents.

In accordance with the terms of the Contract Documents, you are required to execute the formal Contract and furnish the required Performance and Payment Bonds within ten (10) consecutive calendar days from and including the date of receipt of this Notice.

In addition, you are requested to furnish at the same time, the required Owner's protective liability and property damage insurance policy, and certificates of insurance in triplicate evidencing compliance with the other requirements for insurance stated in the Contract Documents. Your certificates of insurance shall be accompanied by a letter from your insurance company stating that the insurance certificate meets the entire requirements of the specifications, or shall state and describe specific exclusions.

The Bid Bond submitted with your proposal will be retained until the Contract has been executed and the required Performance and Payment Bonds have been furnished and approved. In the event that you should fail to execute the Contract or furnish the Performance and Payment Bonds within the time limit specified, the City, at its discretion, may cash the Bid Bond and proceed with steps that are in the City's best interest.

RECEIVED AND ACCEPTED:

CITY OF SEDONA, ARIZONA

Contractor

Sincerely,

By:

Name: \_\_\_\_\_

\_\_\_\_\_

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

J. Andy Dickey, P.E.,

Enclosures (3) contracts

Director of Public Works/City Engineer

**NOTICE TO PROCEED**

Date

Contractor Name.  
Street or PO Box  
City, State Zip

Attention:

**SUBJECT: NOTICE TO PROCEED - POSSE GROUNDS PARK PARKING LOT AND SOLDIERS PASS ROAD SHARED USE PATH IMPROVEMENTS PROJECT**

You are hereby authorized to proceed with work effective \_\_\_\_\_, 2021 and fully complete all work within **212** consecutive days from this date. The completion date for this Project is therefore \_\_\_\_\_, 2021. Liquidated damages of **\$ 570.00 per day** are applicable for each day past \_\_\_\_\_, 2021, for which work on this Project is not complete, unless an adjustment is authorized by a change order. Please acknowledge your receipt of this letter and agreement with the terms stated by signing in the space provided and returning to the City for our files.

**CITY OF SEDONA, ARIZONA**

By: \_\_\_\_\_  
J. Andy Dickey, P.E.  
Director of Public Works/City Engineer

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

Receipt Acknowledged:

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

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



**City of Sedona  
Public Works Department  
Change Order**

**This change order is not effective unless signed by the City Manager of the City of Sedona or his properly designated representative. Section 47 of the Contract General Conditions shall apply.**

\*\*\*\*\*

THIS CHANGE ORDER CONSTITUTES FULL, FINAL, AND COMPLETE COMPENSATION TO THE CONTRACTOR FOR ALL COSTS, EXPENSES, OVERHEAD, PROFIT, AND ANY DAMAGES OF EVERY KIND THAT THE CONTRACTOR MAY INCUR IN CONNECTION WITH THE WORK DESCRIBED IN THIS CHANGE ORDER, INCLUDING ANY IMPACT ON THE DESCRIBED WORK OR ON ANY OTHER WORK UNDER THE CONTRACT, ANY CHANGES IN THE SEQUENCES OF ANY WORK, ANY DELAY TO ANY WORK, ANY DISRUPTION OF ANY WORK, ANY RESCHEDULING OF ANY WORK, AND ANY OTHER EFFECT ON ANY OF THE WORK UNDER THIS CONTRACT. BY THE EXECUTION OF THIS CHANGE ORDER, THE CONTRACTOR ACCEPTS THE CONTRACT PRICE CHANGE AND THE CONTRACT COMPLETION DATE CHANGE, IF ANY, AND EXPRESSLY WAIVES ANY CLAIMS FOR ANY ADDITIONAL COMPENSATION, DAMAGES OR TIME EXTENSIONS, IN CONNECTION WITH THE DESCRIBED WORK.

\*\*\*\*\*

CHANGE ORDER NO. \_\_\_\_\_ DATE: \_\_\_\_\_

Project: **Posse Grounds Park Parking Lot and Soldiers Pass Road Shared Use Path Improvements Project**

Contractor Name: \_\_\_\_\_

Brief description of change: \_\_\_\_\_

Plan Sheets #s affected by this change: \_\_\_\_\_

Specification Sections upon which Change Order based: \_\_\_\_\_

Change requested by (check one): \_\_\_\_\_ City \_\_\_\_\_ Contractor \_\_\_\_\_ Both

Contract Time adjustment: \_\_\_\_\_

This contract change order \_\_\_\_\_ increases \_\_\_\_\_ decreases the maximum estimated contract compensation per General Conditions Section 47 contract adjustments as follows:

\$ _____	\$ _____	\$ _____	\$ _____	=	\$ _____
Method A	Method B	Method C	Method D		Total cost adjustment

Contract Compensation:

Original contract amount

This Change Order

All previous Change Orders

Total Maximum Compensation

(including this change order)

The total Contract days based upon the same change orders is \_\_\_\_\_ calendar days.

CONTRACTOR ACCEPTANCE:

CITY OF SEDONA – PUBLIC WORKS DEPARTMENT APPROVED

BY: \_\_\_\_\_

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

CITY OF SEDONA - CITY MANAGER  
APPROVAL

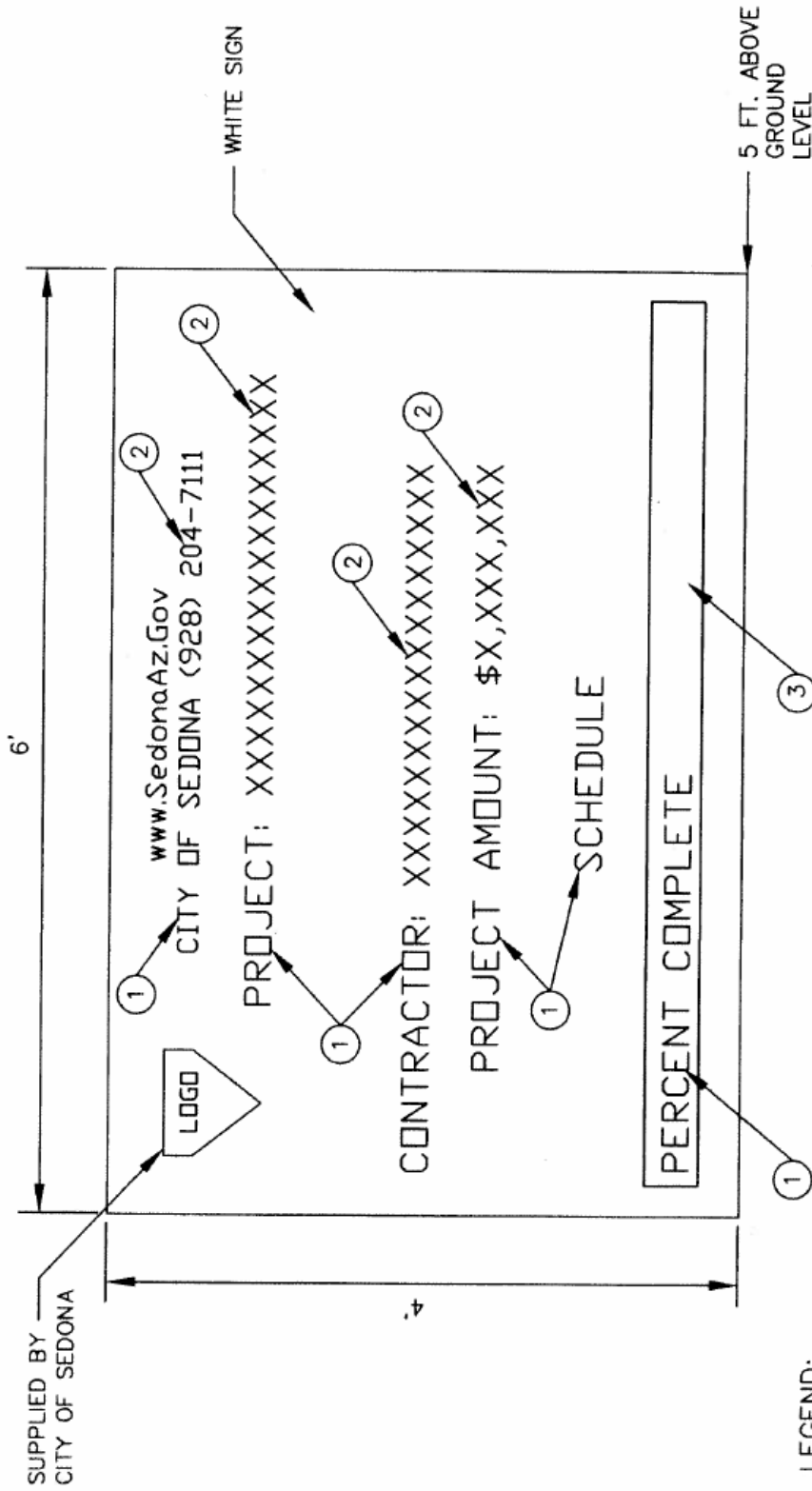
BY: \_\_\_\_\_

DATE: \_\_\_\_\_

Attach a more complete description of the change and supporting documentation to this form. Form to be signed in three copies

# Sign Detail

SD07.DWG



LEGEND:

- ① - 4" BLACK LETTERING
- ② - 4" BLUE LETTERING
- ③ - WHITE WITH RED INDICATOR

SCALE: N.T.S.

DWG Path: L:\Sedona Standard Details\07.dwg Plot Date/Time: 04/28/11 10:46am

SPECIAL DETAIL NO.  
07

CHECK WITH CITY ENGINEER FOR UPDATES

PROJECT CONSTRUCTION SIGN

SPECIAL DETAIL NO.  
07

# **Past Performance Questionnaire**



# City of Sedona Public Works Department

102 Roadrunner Drive Sedona, AZ 86336  
(928) 204-7111 • Fax: (928) 282-5348

## PAST PERFORMANCE QUESTIONNAIRE

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

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Subject: Past Performance Survey of: \_\_\_\_\_  
*Name of Company Being Surveyed*

\_\_\_\_\_  
*Name of Key Personnel*

The City of Sedona collects past performance information (on firms and key personnel) to assist in procuring/awarding projects based on value. The firm/individual listed above is requesting reference for a past project they have completed. It would be greatly appreciated if you would take a few moments to complete the survey and return it to the City of Sedona.

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the firm/individual again) and 1 representing that you were very unsatisfied (and would never hire the firm/individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, please leave it blank.

Client Name: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Project Name: \_\_\_\_\_

No.	CRITERIA	UNIT	RATING
1	Ability to meet customer expectations for quality of work performed	(1-10)	
2	Ability to manage costs	(1-10)	
3	Ability to maintain project schedule	(1-10)	
4	Comfort level in hiring the firm / individual again	(1-10)	
5	Leadership ability of personnel assigned to the project	(1-10)	
6	Ability to Communicate Effectively	(1-10)	

\_\_\_\_\_  
Printed Name of Evaluator

\_\_\_\_\_  
Signature of Evaluator

Thank you for your time and effort in assisting the City of Sedona in this important endeavor.  
Please email or mail the completed survey **(must be received by 2:00 p.m. on May 27, 2021)** to:

[JCrowley@sedonaAZ.gov](mailto:JCrowley@sedonaAZ.gov) or

Attn: James Crowley  
City of Sedona, Public Works Department  
102 Roadrunner Drive  
Sedona, AZ 86336

# Technical Specifications

In Association with Construction Documents

## Posse Grounds Park SIM-11B Parking Lot Improvement Plans

Sedona, Arizona

JANUARY 2021

# TECHNICAL SPECIFICATIONS

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EXPIRES 6/30/2023

## **1.0 GENERAL TECHNICAL REQUIREMENTS**

The following items are non-payment items being considered incidental to the project, the costs of which are to be included in project overhead or within a specific bid item.

### **1.1 Additional Reference Standards**

The "MAG Specifications" is more particularly defined as the Maricopa Association of Governments (MAG), *Uniform Standard Specifications and Details for Public Works Construction*, 2015 Edition with latest 2019 revisions.

Latest revisions and amendments to City of Sedona, City Code, Title 15 (Building) and Title 13 (Stormwater) and Title 7 (Subdivision).

City of Sedona Design Review, Engineering, and Administrative Manual

City of Sedona General Conditions, 2017.

U.S. Department of Transportation, *Manual on Uniform Traffic Control Devices (MUTCD)*, 2009 Edition with latest revisions.

Arizona Department of Transportation, *2008 Standard Specifications*, 2008 Edition with latest 2019 revisions.

Latest revisions of ASTM, AWWA, ANSI, or Federal specifications, standards and details.

In the event of a conflict between the Construction Drawings *and* the Contract language, the Contract language shall prevail.

In the event of a conflict between the ASTM, AWWA, ANSI, or Federal specifications, standards and details *and* the MAG Uniform Standard Specifications and Details for Public Works Construction or the City Construction Specifications, the City Construction Specifications shall prevail.

In the event of a conflict between the AWWA, ANSI, or Federal specifications, standards and details and the Contract language, the Contract language shall prevail.

### **1.2 Soil and Subsurface Conditions**

A soils report was not prepared for this Project.

### **1.3 Other Agency/Utility Company Notifications/Protection of Existing Facilities**

The Contractor shall conduct his operations as set forth in Section 105.6 of the MAG Standard Specifications. The Contractor is responsible for protecting all existing facilities during construction at no additional cost to the City. This may include but is not limited to coordinating, potholing and monitoring as directed by the individual utility companies. The locations of existing underground utilities have been shown on the plans to the best of the Design Engineer's knowledge;



however, it shall be the Contractor's responsibility to field verify all utility locations and to coordinate in a timely manner with the pertinent utility companies so that any obstructing utility installation may be adjusted without delay to the Contractor's project schedule. The Contractor shall be responsible for potholing all utility conflicts in a timely manner.

The following utilities have facilities in the vicinity of the project limits:

- City of Sedona (water, sewer, traffic control)
- Century Link
- Suddenlink
- Unisource
- APS-Electric
- Arizona Water Company

**Contacts:** The following telephone numbers should put the Contractor in contact with the proper personnel:

City of Sedona Project Manager-James Crowley  
102 Roadrunner Drive, Sedona, AZ. 86336-3710  
Tel: 928-203-5092, Fax: 928-282-5348, [JCrowley@sedonaaz.gov](mailto:JCrowley@sedonaaz.gov)

Century Link (Telephone Co.) – Armen McNerlin  
500 S Calvary Way, Cottonwood, AZ, 86326  
Tel: 928-821-4609, Fax: 928-634-5321, [armen.mcnerlin@centurylink.com](mailto:armen.mcnerlin@centurylink.com)

Sudden ink (Cable Co.) – Sanford Yazzie  
1601 S. Plaza Way, Flagstaff, AZ 86004  
Tel: 928-606-2464, [sanford.yazzie@suddenlink.com](mailto:sanford.yazzie@suddenlink.com)

Unisource – Martin Conboy  
500 S Willard Street, Cottonwood, AZ 86326  
Tel: 928-203-1215, Fax: 928-634-8994, [mconboy@uesaz.com](mailto:mconboy@uesaz.com)

Arizona Water Company – John Snickers  
65 Coffee Pot Drive, Suite 7, Sedona, AZ 86336  
Tel: 928-282-5555, Fax 928-282-6131, [jsnickers@azwater.com](mailto:jsnickers@azwater.com)

APS Electric – Johnathan Meter  
1250 E. State Route 89A, Cottonwood, AZ 86326  
Tel: 928-646-8463, Fax: 928-646-8434, [johnathan.meter@aps.com](mailto:johnathan.meter@aps.com)

**Coordination:**

Coordination with the pertinent utility companies has been a part of the development of this project. Construction activities shall be coordinated and scheduled to incorporate the following applicable utility construction activities.

The contractor shall call “BLUE STAKE” (1-800-STAKE-IT) and notify the appropriate private, public and municipal utility companies 48 hours prior to any construction work to verify location and depth of all utility lines in the area of

work. Utilities if indicated on plans are approximate locations only, taken from the utility company maps. If the contractor encounters any lines not indicated on the drawings or marked in the field by the utility company that may interfere with his work, he shall notify the appropriate utility company immediately for disposition of those facilities.

Water, sewer, gas, electric, cable, and telephone will need to be protected in place during construction. The contractor to coordinate with the City project Manager and the utility companies.

## **1.4 Submittals**

### **1.4.1 General**

All submittals shall conform to the requirements of MAG Standard Specifications Section 105.2, except as modified by Section 25 of the Contract's General Terms and Conditions and as noted herein.

### **1.4.2 Format, Distribution and Review**

Shop drawing submittals shall be on no larger than 24"x36" or 11"x17" sheets as needed. All drawings shall indicate the name of the job, the City's job number, date, names of the Contractor and subcontractor, and the date of approval by the Contractor. All other technical data, catalog cut sheets, material/fabrication certificates or material mix design reports shall be emailed to the City or its authorized representative. Each submittal package must have a separate transmittal document, cover sheet and index. The Contractor must also create and update a standardized, itemized submittal tracking log spreadsheet and attach with each submittal or re-submittal.

The Contractor shall first review all submitted data for compliance with the specifications and job requirements prior to any submittal. Clearly indicate what specific item, type, model, class, color, size, etc. is to be used and note any Contractor comments or recommendations on the submitted data. A digital file of the Contractor approved copies along with a letter of transmittal and the tracking log sheet shall be emailed to the City or its authorized representative.

The Contractor shall anticipate and schedule for a review period of ten (10) business days by the City and/or its designee during which time the submittal(s) will either be approved, approved with comments, disapproved, asked to be revised, or additional information may be requested. A review of the submittal will be scanned and emailed stamped/noted approved or otherwise, to the Contractor by the City or its authorized representative. The latter three directions will require a re-submittal and subsequent additional ten day review period. Re- submittals shall be made within seven (7) business days. The process will be repeated until all required, submitted materials have been approved. Approved shop drawings and other material submittals shall become a portion of the Contract Documents as they are returned to the Contractor.

#### 1.4.3 Materials / Product Data

The following materials / product data shall be submitted for review and approval:

- Double Vault Waterless Restrooms (Total Package Installed)
- Pavers; Red Sedona Color or Alternate
- Rock Retaining Wall
- Samples such as paint, signing, marking
- Decomposed granite for parking and walkways – color samples.
- Decomposed granite stabilizer.
- Steel Edging (parking area border)

Product data shall include information such as the manufacturer's printed recommendations, compliance with recognized trade association standards, application of testing agency labels and seals, product dimensioning, and notation of coordination requirements. Data shall also include the source location and quantity of materials that are or will be available for the project. The Contractor shall provide materials that have uniformity in color, size, and appearance.

#### 1.4.4 Mix Designs

The following mix designs shall be submitted for review and approval:

- Asphalt Concrete (AC) pavement
- Aggregate Base Course (ABC) material
- Concrete
- Stabilized decomposed granite

The mix designs shall directly compare the proposed mix components and properties with those of the referenced standard mix or as modified within the designated specifications.

#### 1.4.5 Shop Drawings

The following shop drawings or documents shall be submitted for review and approval:

- Traffic control plans-haul routes, staging area, contractor's office location
- Utility protection plans
- Construction schedules
- 24-hour emergency contacts (names and phone numbers)
- As-built plan drawings

All dimensions and identification of products and materials included, along with notation of any coordination requirements and established field dimensions/measurements shall be clearly shown or noted.

#### 1.4.6 Poured In Place Concrete

The consistency of the concrete shall be determined and regulated on the basis of the slump test as described by ASTM C-143. Slump tests shall be provided by the Contractor throughout the progress of the project. Concrete shall be Grade A. See City of Sedona General Conditions Section 58 for additional information.

All exposed concrete shall be an integral Sedona Red color. The amount of concrete color additive required is 3.05 lbs. of Davis 160 liquid per sack of concrete. Variations in the additive to accomplish the "Sedona Red" shall be subject to City Engineer approval.

The Contractor is responsible for submitting a mix design from an approved materials laboratory to the Construction Manager for review and approval. The Contractor shall submit written certification that the concrete meets all requirements of MAG Section 725 Class B. All other sampling and testing required shall be performed by the Contractor as part of the Quality Control program for the project.

#### 1.4.7 Warranties

Furnish written warranties and reports on the findings of all tests that are specifically required by the Specifications. Delivery of such warranties and test results shall not relieve the Contractor from any obligation assumed under any other provisions of the Contract.

### **1.5 Permits**

The City of Sedona Engineering Right-of-Way Permit fee will be waived for this project. All required permits will be the Contractor's responsibility to obtain and pay for including but not limited to; ADEQ Dust Control permits; all ADEQ/Yavapai County permits for Double Vault Waterless Restrooms and Arizona Water Company fire hydrant meter fees, if applicable. The cost for all permits shall be included in the Contractor's schedule of values.

### **1.6 Quality Control and Testing**

Quality Control and Testing shall be completed per Section 58 of the General Conditions and as supplemented in this section. For quality control purposes, the Contractor shall provide and pay for all geotechnical services including material sampling and testing. This work shall be paid as a lump sum item. Samples shall be taken under the direction of the City or its authorized representative. Testing shall be performed by an independent testing laboratory, pre-approved by the City or its authorized representative, under the supervision of a professional civil or geotechnical engineer registered in the State of Arizona. Written test reports shall be sent directly to the City or its authorized representative within five (5) business days after the tests are conducted. Each report shall indicate the location at which the test was made, the date of the test, type and source of material tested, test designation being used and the name of the person who performed the test. The Contractor shall pay for any retesting as a result of a failed test.

#### 1.6.1 Aggregate Base Materials Compaction Tests

One (1) compaction test will be required on the compacted base material every 500 feet of pavement cut or fraction thereof. Areas of less than 500 feet in length will require a minimum of two (2) tests. The City or its authorized representative will choose the location and depth of in place density tests. If any test made should fail, the area must be reworked and two (2) additional tests shall be taken at the Contractor's expense. The compacted base material shall be compacted to one hundred (100%) percent of maximum density for the full depth when tested in accordance with MAG Specifications Section 301.3 and 310.2. Aggregate base material shall not be placed on subgrade until final compaction tests of the subgrade have confirmed that the subgrade meets the compaction requirements of these Specifications.

#### 1.6.2 Asphalt Concrete Pavement Testing

One (1) Marshall Test, gradation test and oil content test per day, or per 1,000 tons of asphalt placed, whichever is more frequent.

One (1) nuclear density gauge test every 300 lineal feet per lane per mix.

Asphalt pavement cores shall be taken in accordance with MAG Standard Specification Section 321.6. If the test cores indicate deficiencies, additional cores shall be required per MAG. Any associated additional testing costs shall be the contractor's responsibility.

#### 1.6.3 Poured in Place Concrete

The consistency of the concrete shall be determined and regulated based on the slump test as described by ASTM C-143. Slump test shall be provided by the contractor throughout the progress of the project. Concrete shall be of the class and strength indicated on the Contract Plan Drawings or as otherwise directed by these specifications.

Not less than four (4) cylinder specimens shall be made by the Contractor for each 50 cubic yards of each class of concrete with a minimum of four (4) specimens for each class placed or not less the four specimens for each half-day of placement. Specimens shall be teste in accordance with ASTM C-42. Two cylinders shall be tested at fourteen (14) days. If the tested strength meets or exceeds the minimum 14-day requirements, the City may accept the concrete. The City or its authorized representative may have the other two cylinders tested at 28 days or discard at 60 days. Retesting as a result of failure shall be done at the Contractor's expense.

### **1.7 Construction Survey**

The Contractor shall be required to employ a surveyor with the experience and capability of performing all survey, control and layout tasks required of the Contractor to properly construct the Work. The surveyor must be an independent land surveyor registered in the State of Arizona, subcontracted to the Contractor and be acceptable to the City.

### 1.71 General

From established primary control points, Contractor shall furnish all required lines, measurements, grades and elevations for construction of all facilities, structures, pipelines, street construction and all other site improvements.

Contractor shall establish a base line for the project based upon the control information provided in the Contract Documents and establish a minimum of three benchmarks suitable to the work.

Contractor shall develop and make all detailed surveys, measurements and staking needed for construction including all temporary benchmarks, control points, work lines, stationing, grade / slope elevations, pipe / structure inverts, batter boards, off-sets, and cut sheets.

Contractor shall keep current, accurate, organized and legible as-built notes and measurements of the constructed work. Surveyor shall maintain a complete and accurate log of all control and survey work as it progresses. All survey data, field notes and computations shall be recorded and kept in industry standard hard bound field books, all in accordance with recognized established professional surveying standards.

Contractor shall be held responsible for the preservation of all benchmarks, points, marks, and stakes made or established for the work. Contractor shall reestablish and replace the same, at no additional cost to the City, any construction surveying / staking that has been accidentally, carelessly or willfully destroyed by any party.

#### 1.7.1 As-built Record Drawings

As-built record drawings shall be completed as described in Sections 15, 26, 31, and 32 of the General Conditions and as described below.

All excavation is to remain open and no backfill shall take place until all underground fittings including but not limited to tees, valves, horizontal bends, vertical bends, stub-outs, and any other required facilities have been as-built. Contractor must make items accessible in which the Contractor's Surveyor can as-built survey and properly document the elevation and location of all items listed above. Any item which is backfilled without being as-built shall be re-excavated at the Contractor's expense to allow the Surveyor to as-built.

The Contractor shall maintain a full size set of blue/black line drawings on-site and continuously update these drawings to reflect any and all field adjustments, changes, additions, deletions etc. as they occur during the course of construction. Changes to the original Plan Drawings shall be made by striking through the original information with a single line. As-built changes shall be noted with the letters 'AB' after the correction. The as-built changes shall be shown in both plan and profile as appropriate. Changes in horizontal alignment shall be noted on the plan and tied down by stationing and offsets from the monument line. Any portions of the Work not constructed shall be clearly labeled "Deleted" and marked with an "X" through the deleted work.

The City or its authorized representative will check the Contractor's as-built drawings set for accuracy and completeness on a monthly basis. The Contractor shall certify with each monthly pay request that the as-built drawings are current.

At project completion, the Contractor shall submit a final, clean, full size set of blue/black line record plan drawings showing the entire project with the as-built information as described above. This final set shall be prepared, reviewed and sealed by the Contractor's surveyor. The City shall review the final paper set for completeness and acceptability. If rejected, the Contractor shall correct or complete the as-built drawings and resubmit for an additional review.

After City review and approval of the final paper set as-built record drawings, the City shall give the Contractor's surveyor the project's permanent, original design set of plan drawings on which the surveyor shall cleanly and professionally mark-up to prepare the "official" sealed set of certified project record drawings and then return these as-built record drawings to the City. This submittal will be required to obtain final acceptance and final payment for the project.

The Contractor shall submit to the City a copy of the As-Built plans in the following formats: AutoCAD format (or earlier version), PDF format, 24"x36" hard copy.

## **2.0 MEASUREMENT AND PAYMENT**

### **2.1 General**

Measurement for each bid item shall be done in the units installed or percent complete as indicated in the Contract's Price Sheet. Measurement shall be for all work that is satisfactorily completed in place, with no allowance for waste, and that which is verified by field measurements.

Specific payment guidelines shall be in accordance with the MAG Specifications as applicable or as more particularly described below in Section 2.2, Items of Work, of these Technical Specifications. Payment will be made at the unit price or lump sum price that was bid and is shown on the Bid Schedule and shall constitute payment in full for furnishing all materials, equipment, appurtenances, labor, plant and tools necessary to provide a complete project in a workmanlike and satisfactory manner as shown by the Contract Drawings and described herein.

It is recommended that the Contractor visit the site. Contractor to review site conditions, rock outcrops, vegetation and any existing utilities adjacent the site. Cost are to be adjusted for the site and any contingency added.

### **2.2 Items of Work**

The item numbers listed below correspond to the item numbers listed in the Bid Schedule.

#### **2.2.1 Item 1 – Protect in place - Trees**

This work consists of Contractor pre-staking all roadways, parking stalls, and hardscapes. Site review of the staking by the City, Engineer and Contractor will determine which trees are to be saved and protected. Payment will be made for contract unit price bid, and such payment shall be compensation in full for trees saved.

#### **2.2.2 Item 2 - Clear and Grub**

This work consists of removal, disposal, clearing and grubbing for placement of the parking lot (complete) within the project area per the project plans. Work under this item shall be in accordance with MAG Specification Sections 201 and General Conditions Section 58. This item of work includes removal, disposal, clearing and grubbing for placement of the parking lot. This work also consists of the complete removal and disposal of trees including the root ball within the demolition area per the project plans. The void shall be replaced with fill material and shall be compacted to the MAG Standard Specification 201 and General Conditions Section 58. Contractor is responsible for damage to adjacent improvements. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for complete removal and disposal of this item.



### 2.2.3 Item 3 – Earthwork and Subgrade Preparation

Work under this item shall be in accordance with MAG Specification Sections 206, 211 and 215 General Conditions Section 58. This item of work includes grading for the construction of the parking lot site and drainage items. Also, work under this item shall conform to MAG Specification Section 301 and consist of subgrade preparation for the construction of parking lots, pavement, retaining walls, swales and drainage basins. Contractor is responsible for damage to adjacent improvements. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, rock excavation, sorting, hauling, equipment and accomplishing all work in conformance to contract documents for earthwork and subgrade preparation.

### 2.2.4 Item 4- Rip-rap D50=6”

Work under this item shall consist of placement of rip-rap, D50=6”, within drainage swales, basins and drainage structures. Rock color shall be red to match existing rock within the project site. Filter fabric shall be placed as shown on the plans. Filter fabric to conform to MAG 796. All swales and basins to be constructed of compacted earth. Payment for rip-rap shall be made at the contract unit price bid for furnishing all material, labor, equipment to install rip-rap.

### 2.2.5 Item 5 – Ribbon Curb

Work under this item shall be in accordance to MAG Specification Section 340. Ribbon curb to be installed per MAG Standard Detail 220-B, Modified to 18-inch Width (see plan sections). Concrete to be placed per section 1.4.6 of these specifications. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

### 2.2.6 Item 6 - 4-inch Vertical Curb

Work under this item shall be in accordance to MAG Specification Section 340. The vertical curb is to be installed per MAG Standard Detail 220-A, Modified to 4-inch curb height and 18-inch curb width (see plan sections). Concrete to be placed per section 1.4.6 of these specifications. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

### 2.2.7 Item 7 – 6-inch Vertical Curb

Work under this item shall be in accordance to MAG Specification Section 340. The 6-inch vertical curb is to be installed per MAG Standard Detail 220-A, Modified to 18-inch curb width (see plan sections). Concrete to be placed per section 1.4.6 of these specifications. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

### 2.2.8 Item 8 – Asphalt Pavement, Pavement Section No. 1

Work under this item shall consist of a structural pavement section of 3-inch asphalt concrete over 6-inch aggregate base course as the parking surface per the project plans. Aggregate base course shall be placed in conformance with MAG Specification Sections 310 and the material shall meet Section 702. The maximum plasticity index shall not exceed 7. Base material shall be placed in uniform layers not to exceed 6" in depth. Each layer shall be bladed to a smooth surface conforming to the cross section shown on the plans and shall be watered and thoroughly rolled to obtain a compaction of 100% maximum density, based on a modified proctor. Asphaltic concrete shall be placed in conformance with MAG Specification Sections 321 and 322 and per the project plans. The surface course mix shall be a Marshall Mix Design in accordance with MAG Section 710. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete construction of this item.

### 2.2.9 Item 9 – Stabilized Decomposed Granite, Paving Section No. 2

Work under this item shall consist of the grading, scarifying, and compacting 8-inch native soil to 95% compaction for the 4-inch thick decomposed granite (1/4" minus) parking area per the plans and details.

This work consists of furnishing all labor, materials, equipment, tools and transportation, and perform all operations in connection with and reasonably incidental to complete installation of the stabilized decomposed granite installation, and guarantee/warranty as shown on the drawings and as specified herein. Items of work specifically included are:

1. Stabilized decomposed granite path with aggregate base
2. Weed Control

#### Materials:

A. Use locally available materials and gradations that exhibit a satisfactory record of previous installations. Meet all other requirements as specified Section 702.4 of MAG Standard Specifications.

B. Stabilized Decomposed Granite: The stabilizing agent shall be by Stabilizer Solutions Inc. or approved equivalent. The stabilizing agent shall be a nonflammable concentrated polyvinyl acrylic copolymer with a formulation containing a minimum of 60% solids which may be diluted for application at job site. After drying, the copolymer shall form a colorless, transparent micro-plastic like film to agglomerate particles and allow exchange of air and moisture. The product shall have a minimum effective service life of at least two years, provided surface is maintained according to manufacturer's recommendations.

1. When cured, the copolymer emulsion shall not re-emulsify and shall be biodegradable and non-toxic to plant and animal life. After application and drying, a core of the treated section shall be able to maintain a portion of its shape, elasticity, and a portion of its strength after being submerged in water for a 24

hour period.

2. Decomposed granite shall be 1/4" minus, unless otherwise required by the stabilizer manufacturer. The granite color shall be Sedona Red unless the Owner's Representative approves in writing other colors and/or suppliers. Sufficient rock shall be available from a single source to complete the project. Granite shall be free from all foreign objects irregularities in color or form, calcareous coating, or caliche. Granite shall be stabilized to a depth of 3 inches.

3. Herbicide Treatment: Commercial chemical for weed control, registered by Environmental Protection Agency and as approved for use as a chemical per Arizona Certified Pest Control advisor and as recommended by the stabilizer manufacturer.

4. Aggregate Base Course: Material of aggregate base course shall be in accordance with MAG Specifications Section 702.

Surface Preparation:

- A. General: Remove loose material from compacted subgrade and prepare the ground surface immediately before applying herbicide treatment in accordance with the recommendations of the stabilizer supplier.
- B. Herbicide Treatment: Apply chemical weed control agent in strict compliance with manufacturer's recommended dosages and application instructions, and as approved for use as a chemical per Arizona Certified Pest Control advisor. Apply to compacted, dry subgrade prior to application of granite as recommended by the stabilizer supplier.

Aggregate Base Course:

- A. General: Placement, compaction of aggregate base course shall be in accordance with MAG Specifications Section 310; additionally compacted to 100% max dry density standard proctor (ASTM D698).

Stabilized Decomposed Granite:

- A. Install stabilizer and granite per the supplier's recommended procedure. A product representative must be present at all times during the granite installation.
- B. Protection: Erect barricades to protect paving from traffic until mixture has set enough not to become marked.
- C. Prior to starting production placement of the granite, an 80 square foot sample segment of stabilized granite installation shall be installed under the supervision of the stabilizer supplier's representative. Make adjustments to the installation methods and techniques as directed by the representative. Once accepted, the approved method shall become the installation method used on the project. No production shall occur until the representative has approved in writing the sample installation.

Payment for the Stabilized Decomposed Granite walkway will be made at the unit price bid per square foot, and such payment shall be compensation in full for

the items complete in place including any and all associated cost for material and labor for grading and compaction which is deemed incidental to the Stabilized Decomposed installation.

#### 2.2.10 Item 10 – 4-inch Thick Concrete Sidewalk

Work under this item shall be in accordance to MAG Specification Section 340. The sidewalk is to be installed per MAG Standard Detail 230 per plans and details. Concrete to be placed per section 1.4.6 of these specifications. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools and equipment and accomplishing all work in conformance to contract documents.

#### 2.2.11 Item 11 – 8-inch Thick Concrete Pavement, Paving Section No. 3

Work under this item shall be in accordance to MAG Specification Section 340. Pavement section of 8-inches of concrete over 6-inch aggregated base course. Aggregate base course shall be placed in conformance with MAG Specification Sections 310 and the material shall meet Section 702. The maximum plasticity index shall not exceed 7. Base material shall be placed in uniform layers not to exceed 6" in depth. Each layer shall be bladed to a smooth surface conforming to the cross section shown on the plans and shall be watered and thoroughly rolled to obtain a compaction of 100% maximum density, based on a modified proctor. Concrete to be placed per section 1.4.6 of these specifications. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.12 Item 12 – Steel Edging

Work under this item is for the installation of steel edging ¼" x 5" x 16'. Color of steel edging to match stabilized decomposed granite. Top of edging to match final grade of granite with 1/2" lip on native soil side, see plan detail. Steel edging to be secured (anchoring system) per manufactures specification, installed continuously with no gaps between strips and corrosion resistant or equal. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.13 Item 13 – I-Beam Wheel Stops

Work under this items is for the installing of a steal I-Beam 4" (W) x 8" (H) x 1/2" for a length of 72-inches. I-Beam to be installed per plan detail, with top of beam a minimum of 5-inches above finished stabilized decomposed granite. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents for installation of I-Beams.

#### 2.2.14 Item 14 – Parking Lot Delineation

Work under this item includes manufacturing and installation of individual Delineation Pavement Markers per plan details. The Pavement Markers are

installed in lieu of pavement stripes between parking stalls. Two markers will be installed delineating the individual parking stalls. One marker installed 12-inches behind curb with an additional marker installed at the half way point of the parking stall as shown on plans. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents for installation of Parking Lot Delineation Markers.

#### 2.2.15 Item 15 - Catch Basin & Grate

Work under this item shall be in accordance to MAG Specification Sections 505-1 and 601-2. The Catch Basin structure and grate to be installed per MAG Standard Detail 535, Type F and plan details. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents for installation of Catch Basin & Grate.

#### 2.2.16 Item - 16 Concrete Apron (Catch Basin)

Work under this item shall be in accordance to ADOT Roadway Standard Drawings. Concrete apron to be installed and constructed per ADOT Standard Drawing C-15.80 & C-15.81. Concrete apron to abut/connect to the MAG Standard Detail 535, Type F Catch Basin. Concrete apron to be a minimum of 4-feet in length and to match contouring adjacent basin. All turndowns to be installed per detail. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents for installation of Concrete Apron.

#### 2.2.17 Item 17 - 18-inch RGRCP Class III

Work under this item shall be in accordance to MAG Specification Sections 618 and 735. The 18-inch pipe is to be installed per plan and grades. Payment will be made per contract unit price bid to nearest foot. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, equipment and accomplishing all work in conformance to contract documents for installation of 18-inch RGRCP.

#### 2.2.18 Item 18 – Flared End Section for 18-inch RGRCP

Work under this item shall be in accordance to MAG Specification Sections 618 and 735 connecting pipe. Flared End Section to be installed per MAG Standard Detail 545, Modified with Access Barrier Detail per plan details. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, equipment and accomplishing all work in conformance to contract documents for installation of 18-inch RGRCP.

#### 2.2.19 Item 19 – Trail Crossing Paved Roadway

Work under this item consist of construction and installation interlocking concrete pavers within colored concrete header/border per plan details. Concrete to be placed per section 1.4.6 of these specifications. Concrete

pavers, or equal, to be reviewed and approved prior to installation. Subgrade to be scarified and compacted to 95% (minimum). Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, paver installation, concrete placement, all equipment and accomplishing all work in conformance to contract documents for installation of Paved Roadway Trail Crossing.

#### 2.2.20 Item 20 – New Trail Grading & Surfacing

Work under this item consist of construction, earthwork, grading and installation of 8-foot wide trail. The 8-foot trail consists of 1-inch decomposed compacted granite, 2.5-inch thick on top of a 4-inch thick ABC subgrade on scarified native soil compacted to 95% (minimum) per plan detail. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, equipment and accomplishing all work in conformance to contract documents for installation of New Trail Grading & Surfacing.

#### 2.2.21 Item 21 – Rock Retaining Wall

Work under this item consisting in construction of a Rock Retaining Wall per plan details. Rock size vary from 24-inch (base surface) to a uniform rock size of D50=8". Filter Fabric (Mirafi 180 NL or equal) will be installed between native and backfill material. Filter fabric to conform to MAG 796. Contractor is responsible for damage to adjacent improvements. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, equipment and accomplishing all work in conformance to contract documents for installation of Rock Retaining Wall.

#### 2.2.22 Item 22 – Concrete Stairs

Work under this item is for construction of concrete stairs per plans. Concrete to be placed per section 1.4.6 of these specifications. Concrete stairs to be constructed per ADA standards with tread heights base on plan grades. Fall protection to be installed per ADA standards. Payment to be made at contract unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, concrete placements, equipment and accomplishing all work in conformance to contract documents for installation of Concrete Stairs.

#### 2.2.23 Item 23 – Double Vault Waterless Restrooms

Work under this item is for construction and installation of pre-manufactured restroom building by CXT Precast Products or equal. Restrooms consists of two single user waterless restrooms. Below ground polyethylene lined concrete vaults with dimensions to match building perimeter to provide stable structure that supports building. Sweet smelling technology. Contractor to be familiar with site conditions, rock is expected to be encountered during vault excavation. Shop drawings to be submitted for approval by City and Engineer. Payment to be made at contract unit price bid. Such payment shall include full

compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, concrete placement, building transport, equipment and accomplishing all work in conformance to contract documents for installation of Restrooms.

#### 2.2.24 Item 24 – ADA Signage

Work under this item shall consist of installing ADA accessible signs and ADA pavement markings for the ADA accessible parking stalls per the City of Sedona Land Development Code Section 912.09D and conform to MUTCD standards. Paint shall be 60 mil thermoplastic. Permanent Concrete wheel stop to be installed. Payment for the ADA Signage measures will be made on the lump sum basis of contract item.

#### 2.2.25 Item 25 – Mobilization

The City shall compensate the Contractor for a one time, round trip mobilization of the contractor's personnel equipment, supplies and incidentals, establishment of offices, buildings and other facilities, required for the performance of the work on the project, as well as preparatory work and operations prior to the commencement of the work on the project site. Mobilization will be measured for payment by the lump sum as a single complete unit of work. This item includes managing and protecting the staging and storage areas utilized by the contractor. See Special Conditions and General Conditions for further information. This item also includes the restoration of the staging and storage areas to a condition equal to or better than the condition of the area prior to construction beginning for this project, as approved by the City Engineer. This work shall be in compliance with General Conditions Sections 18, 33, and 67.

#### 2.2.26 Item 26 – Traffic Control

This work shall consist of providing and managing all necessary traffic control measures per General Conditions Section 18.D. Payment for traffic control measures will be made on the lump sum basis of contract item, and such payment shall be prorated over the project duration.

#### 2.2.27 Item 27 – Quality Assurance and Quality Control Testing

This work consists of the testing of the compaction and material conformance as provided herein and in accordance with MAG Part 100 – General Conditions. Payment for this item will be prorated (overall project percent completion) over the project's duration. Payment for QA/QC Testing will be based on a unit cost lump sum basis. Payment for this item will be prorated (overall project percent completion) over the project's duration.

#### 2.2.28 Item 28 – Construction Staking

The work under this item shall consist of furnishing all materials, equipment, and labor necessary for providing construction survey, layout, and staking. This item must comply with Section 1.7, Construction Survey of this Contract's Technical Specifications. Payment for Survey, Layout and Staking will be based on a unit cost lump sum basis. Payment for this item will be prorated (overall project percent completion) over the project's duration.

2.2.29 Item 29 – As-built Preparation

The work under this item shall consist of furnishing all materials, equipment, and labor necessary for providing survey, field measurements, and competent as-built plans. This item also includes preparing an up to date set of redlines, which will be reviewed with each progress payment submittal. This item must comply with Section 1.7, Construction Survey of this Contract's Technical Specifications. Payment for As-Built Preparation will be based on a unit cost lump sum basis. Payment for this item will be prorated (overall project percent completion) over the project's duration.

2.2.30 Item 30 – Erosion Control/Stormwater Pollution Prevention

This work shall consist of installing and managing all the BMPs per the City of Sedona Storm Water Pollution Prevention requirements. A City Storm Water Prevention Plan form and fee can be obtained at the City of Sedona offices. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete installation and maintenance throughout the Project duration. Payment for the SWPPP measures will be made on the lump sum basis of contract item, and such payment shall be prorated over the project duration. All work shall be in compliance with the City of Sedona NOI.

2.2.31 Item 31 – Remove, Salvage & Relocate Chain Link Fence

This work consist of removing and salvaging portions of a Dog Park chain link fence, adjacent the east side of the Access Road. The fence will be reinstalled on the new alignment per plan prior to grading for the Access Road. The new alignment will be adjusted, as necessary, in the field per City direction. Payment will be made at the contract unit price, and such payment shall be compensation in full for complete removal and reinstalled.

2.2.32 Item 32 Signage (Signs & Sign Base)

Work under this item shall consist of installing signage per plan and 1 ¾" square post with breakaway base and MAG Detail 131 Type B foundation at the location shown per MUTCD Section 2 and project plans. All paint (stop bars) to be 60 mil thermoplastic per ADOT Standard Specification 704. Payment for signage to be paid on a lump sum basis. Such payment shall include full compensation for furnishing all labor, materials, tools, signs, painting, equipment and accomplishing all work in conformance to contract documents.



## 2.3 Earthwork

### 2.3.1 Materials

Clean on-site native soils with a maximum dimension of 6 inches or imported materials may be used as fill material for the following:

- foundation areas
- drainage facilities
- pavement areas
- backfill

Frozen soils should not be used as fill or backfill.

Imported soils should conform to the following:

Gradation (ASTM C136)):	Percent finer by weight
6"	100
4"	85-100
¾"	70-100
No. 4 Sieve	50-100
No. 200 Sieve	50 (max)
Max expansive potential (%)*	1.5
Max soluble sulfates (%)	0.10
*Measured on a sample compacted to approximately 95 percent of the ASTM D698 maximum dry density at about 3 percent below optimum water content. The sample is confined under a 100 psf surcharge and submerged.	

Base course should conform to City Specifications.

### 2.3.2 Placement and Compaction

Place and compact fill in horizontal lifts, using equipment and procedures that will produce recommended water contents and densities throughout the lift.

No fill should be placed over frozen ground.

Materials should be compacted to the following:

Material	Minimum Percent Compaction (ASTM D698)
On-site and imported soils, reworked and fill:	
Below footings	95
Below drainage facilities	95
Below pavement	95
Aggregate base course:	
Below footings	95
Below pavement	100
Miscellaneous backfill	95

# Technical Specifications

In Association with Construction Documents

## SIM-11B/Sunset Trail/Soldiers Pass Road-Shared Use Path (SUP) Improvement Plans

Sedona, Arizona



EXPIRES 6/30/2023

MARCH 2021

# TECHNICAL SPECIFICATIONS

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## 1.0 GENERAL TECHNICAL REQUIREMENTS

The following items are non-payment items being considered incidental to the project, the costs of which are to be included in project overhead or within a specific bid item.

### 1.1 *Additional Reference Standards*

The "MAG Specifications" is more particularly defined as the Maricopa Association of Governments (MAG), *Uniform Standard Specifications and Details for Public Works Construction*, 2015 Edition with latest 2019 revisions.

Latest revisions and amendments to City of Sedona, City Code, Title 15 (Building) and Title 13 (Stormwater) and Title 7 (Subdivision).

City of Sedona Design Review, Engineering, and Administrative Manual.

U.S. Department of Transportation, *Manual on Uniform Traffic Control Devices (MUTCD)*, 2009 Edition with latest revisions.

Arizona Department of Transportation, *2008 Standard Specifications*, 2008 Edition with latest 2019 revisions.

Latest revisions of ASTM, AWWA, ANSI, or Federal specifications, standards and details.

In the event of a conflict between the Construction Drawings *and* the Contract language, the Contract language shall prevail.

In the event of a conflict between the ASTM, AWWA, ANSI, or Federal specifications, standards and details *and* the MAG Uniform Standard Specifications and Details for Public Works Construction or the City Construction Specifications, the City Construction Specifications shall prevail.

In the event of a conflict between the AWWA, ANSI, or Federal specifications, standards and details and the Contract language, the Contract language shall prevail.

### 1.2 *Soil and Subsurface Conditions*

A soils report was not prepared for this Project.

### 1.3 *Other Agency/Utility Company Notifications/Protection of Existing Facilities*

The Contractor shall conduct his operations as set forth in Section 105.6 of the MAG Standard Specifications. The Contractor is responsible for protecting all existing facilities during construction at no additional cost to the City. This may include but is not limited to coordinating, potholing and monitoring as directed by the individual utility companies. The locations of existing underground utilities have been shown on the plans to the best of the Design Engineer's knowledge; however, it shall be the Contractor's responsibility to field verify all utility locations

and to coordinate in a timely manner with the pertinent utility companies so that any obstructing utility installation may be adjusted without delay to the Contractor's project schedule. The Contractor shall be responsible for potholing all utility conflicts in a timely manner.

The following utilities have facilities in the vicinity of the project limits:

City of Sedona (water, sewer, traffic control)  
Century Link  
Suddenlink  
Unisource  
APS-Electric  
Arizona Water Company

**Contacts:** The following telephone numbers should put the Contractor in contact with the proper personnel:

City of Sedona Project Manager-James Crowley  
102 Roadrunner Drive, Sedona, AZ. 86336-3710  
Tel: 928-203-5092, Fax: 928-282-5348, [JCrowley@sedonaaz.gov](mailto:JCrowley@sedonaaz.gov)

Century Link (Telephone Co.) – Armen McNerlin  
500 S Calvary Way, Cottonwood, AZ, 86326  
Tel: 928-821-4609, Fax: 928-634-5321, [armen.mcnerlin@centurylink.com](mailto:armen.mcnerlin@centurylink.com)

Sudden ink (Cable Co.) – Sanford Yazzie  
1601 S. Plaza Way, Flagstaff, AZ 86004  
Tel: 928-606-2464, [sanford.yazzie@suddenlink.com](mailto:sanford.yazzie@suddenlink.com)

Unisource – Irene Freeman  
500 S Willard Street, Cottonwood, AZ 86326  
Tel: 928-203-1215, Fax: 928-634-8994, [ifreeman@uesaz.com](mailto:ifreeman@uesaz.com)

Arizona Water Company – Keith Self  
65 Coffee Pot Drive, Suite 7, Sedona, AZ 86336  
Tel: 928-282-5555, Fax 928-282-6131, [kself@azwater.com](mailto:kself@azwater.com)

APS Electric – Sandy Finley  
1250 E. State Route 89A, Cottonwood, AZ 86326  
Tel: 928-646-8463, Fax: 928-646-8434, [sandra.finley@aps.com](mailto:sandra.finley@aps.com)

**Coordination:**

Coordination with the pertinent utility companies has been a part of the development of this project. Construction activities shall be coordinated and scheduled to incorporate the following applicable utility construction activities.

The contractor shall call “BLUE STAKE” (1-800-STAKE-IT) and notify the appropriate private, public and municipal utility companies 48 hours prior to any construction work to verify location and depth of all utility lines in the area of work. Utilities if indicated on plans are approximate locations only, taken from the

utility company maps. If the contractor encounters any lines not indicated on the drawings or marked in the field by the utility company that may interfere with his work, he shall notify the appropriate utility company immediately for disposition of those facilities.

Water, sewer, gas, electric, cable, and telephone will need to be protected in place during construction. The contractor to coordinate with the City project Manager and the utility companies.

#### **1.4 Submittals**

##### **1.4.1 General**

All submittals shall conform to the requirements of MAG Standard Specifications Section 105.2, except as modified by Section 25 of the Contract's General Terms and Conditions and as noted herein.

##### **1.4.2 Format, Distribution and Review**

Shop drawing submittals shall be on no larger than 24"x36" or 11"x17" sheets as needed. All drawings shall indicate the name of the job, the City's job number, date, names of the Contractor and subcontractor, and the date of approval by the Contractor. All other technical data, catalog cut sheets, material/fabrication certificates or material mix design reports shall be emailed to the City or its authorized representative. Each submittal package must have a separate transmittal document, cover sheet and index. The Contractor must also create and update a standardized, itemized submittal tracking log spreadsheet and attach with each submittal or re-submittal.

The Contractor shall first review all submitted data for compliance with the specifications and job requirements prior to any submittal. Clearly indicate what specific item, type, model, class, color, size, etc. is to be used and note any Contractor comments or recommendations on the submitted data. A digital file of the Contractor approved copies along with a letter of transmittal and the tracking log sheet shall be emailed to the City or its authorized representative.

The Contractor shall anticipate and schedule for a review period of ten (10) business days by the City and/or its designee during which time the submittal(s) will either be approved, approved with comments, disapproved, asked to be revised, or additional information may be requested. A review of the submittal will be scanned and emailed stamped/noted approved or otherwise, to the Contractor by the City or its authorized representative. The latter three directions will require a re-submittal and subsequent additional ten day review period. Re- submittals shall be made within seven (7) business days. The process will be repeated until all required, submitted materials have been approved. Approved shop drawings and other material submittals shall become a portion of the Contract Documents as they are returned to the Contractor.

#### 1.4.3 Materials / Product Data

The following materials / product data shall be submitted for review and approval:

- Rock Retaining Wall
- Samples such as paint, signing, marking
- Decomposed granite for parking and walkways – color samples
- Decomposed granite stabilizer
- Storm Drain Pipe

Product data shall include information such as the manufacturer's printed recommendations, compliance with recognized trade association standards, application of testing agency labels and seals, product dimensioning, and notation of coordination requirements. Data shall also include the source location and quantity of materials that are or will be available for the project. The Contractor shall provide materials that have uniformity in color, size, and appearance.

#### 1.4.4 Mix Designs

The following mix designs shall be submitted for review and approval:

- Aggregate Base Course (ABC) material
- Concrete
- Stabilized decomposed granite

The mix designs shall directly compare the proposed mix components and properties with those of the referenced standard mix or as modified within the designated specifications.

#### 1.4.5 Shop Drawings

The following shop drawings or documents shall be submitted for review and approval:

- Traffic control plans-haul routes, staging area, contractor's office location
- Utility protection plans
- Construction schedules
- 24-hour emergency contacts (names and phone numbers)
- As-built plan drawings
- Continental Connector Style Bridge with Abutments
- Keystone MSE Retaining Walls

All dimensions and identification of products and materials included, along with notation of any coordination requirements and established field dimensions/measurements shall be clearly shown or noted.

#### 1.4.6 Poured In Place Concrete

The consistency of the concrete shall be determined and regulated on the basis of the slump test as described by ASTM C-143. Slump tests shall be provided by the Contractor throughout the progress of the project. Concrete shall be Grade A. See City of Sedona General Conditions Section 58 for additional information.

All exposed concrete shall be an integral Sedona Red color. The amount of concrete color additive required is 3.05 lbs. of Davis 160 liquid per sack of concrete. This is the Sedona Red as manufactured by Hanson Concrete in Cottonwood, Arizona. Variations in the additive to accomplish the "Sedona Red" shall be subject to City Engineer approval.

The Contractor is responsible for submitting a mix design from an approved materials laboratory to the Construction Manager for review and approval. The Contractor shall submit written certification that the concrete meets all requirements of MAG Section 725 Class B. All other sampling and testing required shall be performed by the Contractor as part of the Quality Control program for the project.

#### 1.4.7 Warranties

Furnish written warranties and reports on the findings of all tests that are specifically required by the Specifications. Delivery of such warranties and test results shall not relieve the Contractor from any obligation assumed under any other provisions of the Contract.

### **1.5 Permits**

The City of Sedona Engineering Right-of-Way Permit fee will be waived for this project. All required permits will be the Contractor's responsibility to obtain and pay for including but not limited to; ADEQ Dust Control permits; all and Arizona Water Company fire hydrant meter fees, if applicable. The cost for all permits shall be included in the Contractor's schedule of values.

### **1.6 Quality Control and Testing**

Quality Control and Testing shall be completed per Section 58 of the General Conditions and as supplemented in this section. For quality control purposes, the Contractor shall provide and pay for all geotechnical services including material sampling and testing. This work shall be paid as a lump sum item. Samples shall be taken under the direction of the City or its authorized representative. Testing shall be performed by an independent testing laboratory, pre-approved by the City or its authorized representative, under the supervision of a professional civil or geotechnical engineer registered in the State of Arizona. Written test reports shall be sent directly to the City or its authorized representative within five (5) business days after the tests are conducted. Each report shall indicate the location at which the test was made, the date of the test, type and source of material tested, test designation being used and the name of the person who performed the test. The Contractor shall pay for any retesting as a result of a failed test.



#### 1.6.1 Aggregate Base Materials Compaction Tests

One (1) compaction test will be required on the compacted base material every 500 feet of pavement cut or fraction thereof. Areas of less than 500 feet in length will require a minimum of two (2) tests. The City or its authorized representative will choose the location and depth of in place density tests. If any test made should fail, the area must be reworked and two (2) additional tests shall be taken at the Contractor's expense. The compacted base material shall be compacted to one hundred (100%) percent of maximum density for the full depth when tested in accordance with MAG Specifications Section 301.3 and 310.2. Aggregate base material shall not be placed on subgrade until final compaction tests of the subgrade have confirmed that the subgrade meets the compaction requirements of these Specifications.

#### 1.6.2 Poured in Place Concrete

The consistency of the concrete shall be determined and regulated based on the slump test as described by ASTM C-143. Slump test shall be provided by the contractor throughout the progress of the project. Concrete shall be of the class and strength indicated on the Contract Plan Drawings or as otherwise directed by these specifications.

Not less than four (4) cylinder specimens shall be made by the Contractor for each 50 cubic yards of each class of concrete with a minimum of four (4) specimens for each class placed or not less the four specimens for each half-day of placement. Specimens shall be teste in accordance with ASTM C-42. Two cylinders shall be tested at fourteen (14) days. If the tested strength meets or exceeds the minimum 14-day requirements, the City may accept the concrete. The City or its authorized representative may have the other two cylinders tested at 28 days or discard at 60 days. Retesting as a result of failure shall be done at the Contractor's expense.

### **1.7 Construction Survey**

The Contractor shall be required to employ a surveyor with the experience and capability of performing all survey, control and layout tasks required of the Contractor to properly construct the Work. The surveyor must be an independent land surveyor registered in the State of Arizona, subcontracted to the Contractor and be acceptable to the City.

#### 1.71 General

From established primary control points, Contractor shall furnish all required lines, measurements, grades and elevations for construction of all facilities, structures, pipelines, street construction and all other site improvements.

Contractor shall establish a base line for the project based upon the control information provided in the Contract Documents and establish a minimum of three benchmarks suitable to the work.

Contractor shall develop and make all detailed surveys, measurements and

staking needed for construction including all temporary benchmarks, control points, work lines, stationing, grade / slope elevations, pipe / structure inverts, batter boards, off-sets, and cut sheets.

Contractor shall keep current, accurate, organized and legible as-built notes and measurements of the constructed work. Surveyor shall maintain a complete and accurate log of all control and survey work as it progresses. All survey data, field notes and computations shall be recorded and kept in industry standard hard bound field books, all in accordance with recognized established professional surveying standards.

Contractor shall be held responsible for the preservation of all benchmarks, points, marks, and stakes made or established for the work. Contractor shall reestablish and replace the same, at no additional cost to the City, any construction surveying / staking that has been accidentally, carelessly or willfully destroyed by any party.

#### 1.7.1 As-built Record Drawings

As-built record drawings shall be completed as described in Sections 15, 26, 31, and 32 of the General Conditions and as described below.

All excavation is to remain open and no backfill shall take place until all underground fittings including but not limited to tees, valves, horizontal bends, vertical bends, stub-outs, and any other required facilities have been as-built. Contractor must make items accessible in which the Contractor's Surveyor can as-built survey and properly document the elevation and location of all items listed above. Any item which is backfilled without being as-built shall be re-excavated at the Contractor's expense to allow the Surveyor to as-built.

The Contractor shall maintain a full size set of blue/black line drawings on-site and continuously update these drawings to reflect any and all field adjustments, changes, additions, deletions etc. as they occur during the course of construction. Changes to the original Plan Drawings shall be made by striking through the original information with a single line. As-built changes shall be noted with the letters 'AB' after the correction. The as-built changes shall be shown in both plan and profile as appropriate. Changes in horizontal alignment shall be noted on the plan and tied down by stationing and offsets from the monument line. Any portions of the Work not constructed shall be clearly labeled "Deleted" and marked with an "X" through the deleted work.

The City or its authorized representative will check the Contractor's as-built drawings set for accuracy and completeness on a monthly basis. The Contractor shall certify with each monthly pay request that the as-built drawings are current.

At project completion, the Contractor shall submit a final, clean, full size set of blue/black line record plan drawings showing the entire project with the as-built information as described above. This final set shall be prepared, reviewed and sealed by the Contractor's surveyor. The City shall review the final paper set for

completeness and acceptability. If rejected, the Contractor shall correct or complete the as-built drawings and resubmit for an additional review...

After City review and approval of the final paper set as-built record drawings, the City shall give the Contractor's surveyor the project's permanent, original design set of plan drawings on which the surveyor shall cleanly and professionally mark-up to prepare the "official" sealed set of certified project record drawings and then return these as-built record drawings to the City. This submittal will be required to obtain final acceptance and final payment for the project.

The Contractor shall submit to the City a copy of the As-Built plans in the following formats: AutoCAD format (or earlier version), PDF format, 24"x36" hard copy.

## **2.0 MEASUREMENT AND PAYMENT**

### **2.1 General**

Measurement for each bid item shall be done in the units installed or percent complete as indicated in the Contract's Price Sheet. Measurement shall be for all work that is satisfactorily completed in place, with no allowance for waste, and that which is verified by field measurements.

Specific payment guidelines shall be in accordance with the MAG Specifications as applicable or as more particularly described below in Section 2.2, Items of Work, of these Technical Specifications. Payment will be made at the unit price or lump sum price that was bid and is shown on the Bid Schedule and shall constitute payment in full for furnishing all materials, equipment, appurtenances, labor, plant and tools necessary to provide a complete project in a workmanlike and satisfactory manner as shown by the Contract Drawings and described herein.

It is recommended that the Contractor visit the site. Contractor to review site conditions, rock outcrops, vegetation and any existing utilities adjacent the site. Cost are to be adjusted for the site and any contingency added.

During the pre-staking phase of the shared-use trail improvements alignment, site review of the staking by the City representatives, Engineer and Contractor will determine which trees are to be saved and protected and to determine alignment adjustments if necessary.

### **2.2 Items of Work**

The item numbers listed below correspond to the item numbers listed in the Bid Schedule.

#### **Demolition Items:**

##### **2.2.1 Item 1 - Clear and Grub**

This item of work includes removal, disposal, clearing and grubbing along the shared-use trail improvements alignment and at connection points to existing improvements. Work under this item shall be in accordance with MAG Specification Sections 201 and General Conditions Section 58. This work also consists of the complete removal and disposal of trees and vegetation including the root ball within the work area per the project plans. The void shall be replaced with fill material and shall be compacted to the MAG Standard Specification 601. Trees and vegetation in confined areas may require drag lines, partial trimming or cut in parts due to safety. Contractor is responsible for damage to adjacent existing improvements. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for complete removal and disposal of this item.

### 2.2.2 Item 2 - Sawcut, Existing AC Pavement

This work shall consist of saw cutting of the asphalt concrete pavement to a neat vertical edge to accommodate the connection and installation of the new shared-use trail improvements per the project plans. Work under this item shall be in accordance with MAG Specification Sections 336 and 350. Contractor is responsible for damage to adjacent improvements. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete saw cutting of this item.

### 2.2.3 Item 3 - Remove and Dispose Existing Concrete Pavement

This work shall consist of removing and disposing of the concrete pavement to per the project improvement plans. Work under this item shall be in accordance with MAG Specification Sections 336 and 350. Contractor is responsible for damage to adjacent improvements. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete removal and disposal of this item.

### **Construction Items:**

#### 2.2.4 Item 4 - Subgrade Preparation

Work under this item shall conform to MAG Specification Section 301 and consist of Subgrade Preparation for constructing of the shared-use trail improvement areas per MAG Section 301 as shown on the project plans or as directed by the Engineer and the following. Native subgrade soil to receive improvements shall be stripped of vegetation, debris, organic rich soils, trees and other deleterious materials. The subgrade shall be scarified and compacted to a minimum of 95% of the maximum density as determined by AASHTO test T99 (or ASTM D698), method and/or method T-191. Clayey soils shall be compacted and maintained (until covered) at a moisture content in the range of optimum -3 to +1%. Existing sloping areas steeper than 3:1 (horizontal to vertical) shall be benched to reduce the potential for slippage between existing slopes and new fills. Benches shall be level and wide enough to accommodate compaction and earth moving equipment. Isolated clay pockets, if any, shall be over excavated below subgrade and replaced with granular material. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete preparation of this item.

#### 2.2.5 Item 5 - Construct Decomposed Granite Shared Use Path

This work consists of furnishing all labor, materials, equipment, tools and transportation, and perform all operations in connection with and reasonably incidental to complete installation of the stabilized decomposed granite installation, and guarantee/warranty as shown on the drawings and as specified herein. Items of work specifically included are:

1. Stabilized decomposed granite path with aggregate base
2. Weed Control

Materials:

A. Use locally available materials and gradations that exhibit a satisfactory record of previous installations. Meet all other requirements as specified Section 702.4 of MAG Standard Specifications.

B. Stabilized Decomposed Granite: The stabilizing agent shall be by Stabilizer Solutions Inc. or approved equivalent. The stabilizing agent shall be a nonflammable concentrated polyvinyl acrylic copolymer with a formulation containing a minimum of 60% solids which may be diluted for application at job site. After drying, the copolymer shall form a colorless, transparent micro- plastic like film to agglomerate particles and allow exchange of air and moisture. The product shall have a minimum effective service life of at least two years, provided surface is maintained according to manufacturer's recommendations.

1. When cured, the copolymer emulsion shall not re-emulsify and shall be biodegradable and non-toxic to plant and animal life. After application and drying, a core of the treated section shall be able to maintain a portion of its shape, elasticity, and a portion of its strength after being submerged in water for a 24 hour period.

2. Decomposed granite shall be 1/4" minus, unless otherwise required by the stabilizer manufacturer. The granite color shall be Sedona Red unless the Owner's Representative approves in writing other colors and/or suppliers. Sufficient rock shall be available from a single source to complete the project. Granite shall be free from all foreign objects irregularities in color or form, calcareous coating, or caliche. Granite shall be stabilized to a depth of 3 inches.

3. Herbicide Treatment: Commercial chemical for weed control, registered by Environmental Protection Agency and as approved for use as a chemical per Arizona Certified Pest Control advisor and as recommended by the stabilizer manufacturer.

4. Aggregate Base Course: Material of aggregate base course shall be in accordance with MAG Specifications Section 702.

Surface Preparation:

A. General: Remove loose material from compacted subgrade and prepare the ground surface immediately before applying herbicide treatment in accordance with the recommendations of the stabilizer supplier.

B. Herbicide Treatment: Apply chemical weed control agent in strict compliance with manufacturer's recommended dosages and application instructions, and as approved for use as a chemical per Arizona Certified Pest Control advisor. Apply to compacted, dry subgrade prior to application of granite as recommended by the stabilizer supplier.

Aggregate Base Course:

- A. General: Placement, compaction of aggregate base course shall be in accordance with MAG Specifications Section 310; additionally compacted to 100% max dry density standard proctor (ASTM D698).

Stabilized Decomposed Granite:

- A. Install stabilizer and granite per the supplier's recommended procedure. A product representative must be present at all times during the granite installation.
- B. Protection: Erect barricades to protect paving from traffic until mixture has set enough not to become marked.
- C. Prior to starting production placement of the granite, an 80 square foot sample segment of stabilized granite installation shall be installed under the supervision of the stabilizer supplier's representative. Make adjustments to the installation methods and techniques as directed by the representative. Once accepted, the approved method shall become the installation method used on the project. No production shall occur until the representative has approved in writing the sample installation.

Payment for the Stabilized Decomposed Granite walkway will be made at the unit price bid per square foot, and such payment shall be compensation in full for the items complete in place including any and all associated cost for material and labor for grading and compaction which is deemed incidental to the Stabilized Decomposed Granite walkway installation.

2.2.6 Item 6 - Rip-rap D50=6"

Work under this item shall consist of placement of angular rip-rap, D50=6", as shown on the plans. Rock color shall be red to match existing rock within the project site or approved equal. Filter fabric (Mirafi 180 NL or equal) shall be placed as shown on the plans. Filter fabric to conform to MAG 796. Payment for rip-rap shall be made at the contract unit price bid for furnishing all material, labor, equipment to install rip-rap.

2.2.7 Item 7 - Construct Concrete Shared Use Path Drainage Crossing

Work under this item shall consist of constructing exposed concrete drainage crossing with a minimum of 3" thickness and 12" turndowns to be in conformance with MAG Standard Specification Section 343 and per the project plans including aggregate base course and "Sedona Red" Coloring. Placement, compaction and material of 4" aggregate base course shall be in accordance with MAG Specifications Section 310 and 702; additionally compacted to 100% max dry density standard proctor (ASTM D698). Placement of "Sedona Red" portland cement concrete walkway crossing shall be in accordance with MAG Specifications Section 324 and 340 and General Conditions 58. All exposed concrete surfaces shall be integrally colored "Sedona Red" per section 1.4.6 of these specifications.

Variations in the additive to accomplish the “Sedona Red” shall be subject to City Engineer approval. The Contractor shall submit written certification that the concrete meets all requirements of MAG Section 725 Class B. All other sampling and testing required shall be performed by the Contractor as part of the Quality Control program for the project. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete construction of this item.

#### 2.2.8 Item 8 - Construct Raised Crosswalk

Work under this item shall consist of constructing the raised crosswalk per details on improvement plans. This includes drainage scupper, pavement markings, and aggregate base and concrete pavement.

Placement, compaction and material of aggregate base course shall be in accordance with MAG Specifications Section 310 and 702; additionally compacted to 100% max dry density standard proctor (ASTM D698). Placement of “Sedona Red” portland cement concrete pavement shall be in accordance with MAG Specifications Section 324 and 340 and General Conditions 58. All exposed concrete surfaces shall be integrally colored “Sedona Red” and placed per section 1.4.6 of these specifications. Variations in the additive to accomplish the “Sedona Red” shall be subject to City Engineer approval. The Contractor is responsible for submitting a mix design from an approved materials laboratory to the Construction Manager for review and approval. The Contractor shall submit written certification that the concrete meets all requirements of MAG Section 725 Class AA. All other sampling and testing required shall be performed by the Contractor as part of the Quality Control program for the project.

Pavement markings on the raised median shall be white in color. Transverse Markings and Symbols shall be epoxy dual component markings installed in accordance with ADOT Standard Specification 709.

Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete construction of this item.

#### 2.2.9 Item 9 – Ribbon Curb (Modified -18” Wide)

Work under this item shall be in accordance to MAG Specification Section 340. Ribbon curb to be installed per MAG Standard Detail 220-B, Modified to 18-inch Width (see plan sections). Concrete to be placed per section 1.4.6 of these specifications, integrally colored “Sedona Red”. To ensure a solid bond between sawcut asphalt edges, clean and remove loose material, apply tack coat and apply an approved concrete to asphalt bonding agent and crack sealant. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.10 Item 10 - Install Storm Drain Pipe

Work under this item shall consist of installing 12” HDPE ADS (N12) culvert with lengths, slopes and elevations per the project plans. The pipe material purchased



shall be submitted for review by the engineer. The storm drain pipe along with recommended bedding shall be installed per manufacture's recommendations and details. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete installation of this item.

2.2.11 Item 11 – 6" Wide Edge White Striping

Work under this item shall consist of solid white striping in conformance with ADOT Standard Specification 704 as shown on project plans. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete construction of this item.

2.2.12 Item 12 - Construct Dry Stacked Red Rock Retaining Wall

Work under this item shall consist of construction of dry stacked red rock retaining wall per the project plans. Contractor is responsible for damage to adjacent improvements. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete relocation of this item.

2.2.13 Item 13 – Extend Existing 48" CMP

Work under this item shall consist of cleanly connecting (bolted collar band) to the existing 48" culverts and installing new 48" culvert 14 gage minimum corrugated metal drainage piping per the project plans. Construction shall be in accordance with MAG Sections 601, 618, 621, and 760. Payment will be made per contract unit price bid to nearest foot. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, equipment and accomplishing all work in conformance to contract documents for installation of item.

2.2.14 Item 14 – Extend Existing 12" CMP

Work under this item shall consist of cleanly connecting (bolted collar band) to the existing 12" culverts and installing new 12" culvert 14 gage minimum corrugated metal drainage piping per the project plans. Construction shall be in accordance with MAG Sections 601, 618, 621, and 760. Payment will be made per contract unit price bid to nearest foot. Such payment shall include full compensation for furnishing all labor, materials, tools, excavation, subgrade, backfilling, compaction, equipment and accomplishing all work in conformance to contract documents for installation of item.

2.2.15 Item 15 – Driveway Pavers

Work under this item shall consist of installation of concrete pavers per MAG Section 342, or equal, to be reviewed and approved by City prior to installation. Subgrade to be scarified and compacted to 95% minimum prior to placement of sand leveling course. Contractor is responsible for damage to adjacent improvements. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete installation of pavers.

2.2.16 Item 16 - Construct Dry-Stack Red Rock Headwall

Work under this item shall consist of constructing a dry-stack red rock headwall at

the locations noted on the plans. Construction shall include compacting subgrade below the wall extends. Rocks used shall be angular native red rock sandstone with a minimum size of approximately 12"x12"x18". Smaller rocks are to be hammer tapped into place to fill in gaps. The bottom rock layer is to be embedded in compacted soil a minimum of 8". The rocks should be placed with a 2:1 banter going up with the general pattern of larger to smaller rocks. Backfill behind headwall shall conform to MAG Specifications Section 206. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete relocation of this item.

#### 2.2.17 Item 17 – 6-inch Vertical Curb (Modified 18"-Wide)

Work under this item shall be in accordance to MAG Specification Section 340 and 725 and General Conditions 58. The 6-inch vertical curb is to be installed per MAG Standard Detail 220-A, Modified to 18-inch curb width (see plan sections). Concrete to be placed per section 1.4.6 of these specifications, integrally colored "Sedona Red". Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.18 Item 18 – Curb Termination

Work under this item shall be in accordance to MAG Specification Section 340 and 725 and General Conditions 58. The curb termination is to be installed per MAG Standard Detail 221, Modified to 18-inch curb width for ribbon curb (see plan sections). Concrete to be placed per section 1.4.6 of these specifications, integrally colored "Sedona Red". Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.19 Item 19 – Safety Rail

Work under this item shall consists of furnishing and installation of 3'-6" safety rail per MAG Standard Detail 145 on edge of SUP trail or at locations where a drop of exceeds 30 inches or as directed by Engineer. This includes acquisition, installation, and painting with two coats primer gray and one coat "Safari Brown" Pittsburg Paints color #429-6. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete construction item.

#### 2.2.20 Item 20 – Continental Pedestrian Bridge System

Work under this item is for construction and installation of pre-manufactured 30' long x 8' wide Continental Connector Style Bride by Contech Engineered Solutions or equal. Bridge finish is unpainted self-weathering steel with wood deck; horizontal safety rails at 4" max to height of 54 inches; design stresses in conformance with AASHTO LRFD PED Bridge Specifications; uniform live load – 90 psf with no vehicle load. See Details, SUP Plans. Shop drawings to be submitted for approval by City and Engineer. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for

furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.21 Item 21 – Construct Bridge Abutments

Work under this item is for construction of concrete, cast in place bridge abutments for bridge installation, Item 19, Section 2.2.19 of these specifications. All exposed concrete surfaces shall be integrally colored “Sedona Red” and placed per section 1.4.6 of these specifications; 4,000 psi concrete. Anchor bolt placement and verification of abutments will be field verified prior to bridge placement. Compact backfill for abutments minimum 95 percent of ASTM D698 maximum dry density and MAG Specifications 206 and approved by geotechnical engineer. Shop drawings to be submitted for approval by City and Engineer. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

#### 2.2.22 Item 22 – Construct Keystone MSE Retaining Wall

Work under this item is for construction of Keystone MSE Retaining Wall, see Details SUP Plans. Retaining wall consist of Keystone Compact III units, split face, Sedona Red in color including Uniaxial Geogrid, fiberglass pins, and drainpipe. Maximum wall height of 11’-0” for structural design purposes. Base leveling pad to be constructed of 2,000 psi unreinforced concrete or crushed stone approved by geotechnical engineer. All exposed concrete surfaces shall be integrally colored “Sedona Red” and placed per section 1.4.6 of these specifications; 4,000 psi concrete. Anchor bolt placement, verification of abutments will be field verified prior to bridge placement. Compact backfill per MAG Specifications 206. Shop drawings to be submitted for approval by City and Engineer. Payment to be made in accordance to unit price bid. Such payment shall include full compensation for furnishing all labor, materials, tools, equipment and accomplishing all work in conformance to contract documents.

## ***Miscellaneous Items***

### **2.2.25 Item 25 – Mobilization**

The City shall compensate the Contractor for a one time, round trip mobilization of the contractor's personnel equipment, supplies and incidentals, establishment of offices, buildings and other facilities, required for the performance of the work on the project, as well as preparatory work and operations prior to the commencement of the work on the project site. Mobilization will be measured for payment by the lump sum as a single complete unit of work. This item includes managing and protecting the staging and storage areas utilized by the contractor. See Special Conditions and General Conditions for further information. This item also includes the restoration of the staging and storage areas to a condition equal to or better than the condition of the area prior to construction beginning for this project, as approved by the City Engineer. This work shall be in compliance with General Conditions Sections 18, 33, and 67.

### **2.2.26 Item 26 – Traffic Control**

This work shall consist of providing and managing all necessary traffic control measures per General Conditions Section 18.D. Payment for traffic control measures will be made on the lump sum basis of contract item, and such payment shall be prorated over the project duration.

### **2.2.27 Item 27 – Quality Assurance and Quality Control Testing**

This work consists of the testing of the compaction and material conformance as provided herein and in accordance with MAG Part 100 – General Conditions. Payment for this item will be prorated (overall project percent completion) over the project's duration. Payment for QA/QC Testing will be based on a unit cost lump sum basis. Payment for this item will be prorated (overall project percent completion) over the project's duration.

### **2.2.28 Item 28 – Construction Staking**

The work under this item shall consist of furnishing all materials, equipment, and labor necessary for providing construction survey, layout, and staking. This item must comply with Section 1.7, Construction Survey of this Contract's Technical Specifications. Payment for Survey, Layout and Staking will be based on a unit cost lump sum basis. Payment for this item will be prorated (overall project percent completion) over the project's duration.

### **2.2.29 Item 29 – As-built Preparation**

The work under this item shall consist of furnishing all materials, equipment, and labor necessary for providing survey, field measurements, and competent as-built plans. This item also includes preparing an up to date set of redlines, which will be reviewed with each progress payment submittal. This item must comply with Section 1.7, Construction Survey of this Contract's Technical Specifications. Payment for As-Built Preparation will be based on a unit cost lump sum basis. Payment for this item will be prorated (overall project percent completion) over the project's duration.

2.2.30 Item 30 – Erosion Control/Stormwater Pollution Prevention

This work shall consist of installing and managing all the BMPs per the City of Sedona Storm Water Pollution Prevention requirements. A City Storm Water Prevention Plan form and fee can be obtained at the City of Sedona offices. Payment will be made at the contract unit price bid, and such payment shall be compensation in full for the complete installation and maintenance throughout the Project duration. Payment for the SWPPP measures will be made on the lump sum basis of contract item, and such payment shall be prorated over the project duration. All work shall be in compliance with the City of Sedona NOI.

2.2.31 Item 31 Signage (Signs & Sign Base)

Work under this item shall consist of installing signage per plan and 1 3/4" square post with breakaway base and MAG Detail 131 Type B foundation at the location shown per MUTCD Section 2 and project plans. All paint (stop bars) to be 60 mil thermoplastic per ADOT Standard Specification 704. Payment for signage to be paid on a lump sum basis. Such payment shall include full compensation for furnishing all labor, materials, tools, signs, painting, equipment and accomplishing all work in conformance to contract documents.

## 2.3 Earthwork

### 2.3.1 Materials

Clean on-site native soils with a maximum dimension of 6 inches or imported materials may be used as fill material for the following:

- Drainage facilities
- leveling pad
- pavement areas
- backfill

Frozen soils should not be used as fill or backfill.

Imported soils should conform to the following:

Gradation (ASTM C136):	Percent finer by weight
6"	100
4"	85-100
3/4"	70-100
No. 4 Sieve	50-100
No. 200 Sieve	50 (max)
Max expansive potential (%)*	1.5
Max soluble sulfates (%)	0.10
*Measured on a sample compacted to approximately 95 percent of the ASTM D698 maximum dry density at about 3 percent below optimum water content. The sample is confined under a 100 psf surcharge and submerged.	

Base course should conform to City Specifications.

### 2.3.2 Placement and Compaction

Place and compact fill in horizontal lifts, using equipment and procedures that will produce recommended water contents and densities throughout the lift.

No fill should be placed over frozen ground.

Materials should be compacted to the following:

Material	Minimum Percent Compaction (ASTM D698)
On-site and imported soils, reworked and fill:	
Below footings	95
Below drainage facilities	95
Below pavement	95
Aggregate base course:	
Below footings	95
Below pavement	100
Miscellaneous backfill	95

# General Conditions

## 2021

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# GENERAL CONDITIONS

## 1. CONTENTS

The following Contract Provisions are general in scope and may refer to conditions, which will not be encountered in the performance of the work, included in this Contract and which are not applicable thereto. Any requirements, provisions or other stipulation of these General Conditions, which pertain to a non-applicable condition, shall be excluded from the scope of the Contract. Where conflict appears, "Special Condition" shall take precedence over "General Conditions". Full compensation for compliance with these General Conditions shall be considered as included in the total and various bid items of the contract and the contract time.

## 2. DEFINITIONS AND TERMS

When the Contract indicates that work shall be "accepted, acceptable, approve, authorized, condemned, considered necessary, contemplated, deemed necessary, designated, determined, directed, disapproved, established, given, indicated, insufficient interpreted, ordered, permitted, rejected, required, reserved, satisfactory, specified sufficient, suitable, suspended, unacceptable, unsatisfactory," it shall be understood that these expressions are followed by the words "by the City of Sedona".

Wherever the following abbreviations, terms, or pronouns are used in the specifications, plans, or other Contract Documents, the intent and meaning shall be interpreted as follows:

### ABBREVIATIONS

AAN	American Association of Nurserymen
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
ADOT	Arizona Department of Transportation
AGC	Associated General Contractors of America
AI	Asphalt Institute
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
ANSI	American National Standards Institute, Inc.
ARA	American Railway Association
AREA	American Railway Engineering Association
ARTBA	American Road and Transportation Builders Association
ASCE	American Society of Civil Engineers
ASLA	American Society of Landscape Architects
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ATSSA	American Traffic Safety Services Association
A WG	American Wire Gauge
AWPA	American Wood Preservers' Association
AWS	American Welding Society
AWWA	American Water Works Association

CRSI	Concrete Reinforcing Steel Institute
EIA	Electric Industries Association
FHWA	Federal Highway Administration, Department of Transportation
FSS	Federal Specifications and Standards
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IMSA	International Municipal Signal Association
IPCEA	Insulated Power Cable Engineers Association
ITE	Institute of Transportation Engineers
MAG	Maricopa Association of Governments
MIL	Military Specifications
MUTCD	Manual on Uniform Traffic Control Devices
NEC	National Electrical Code
NEMA	National Electrical Manufacturers' Association
NIST	National Institute of Standards and Technology
NSF	National Sanitation Foundation (NSF)
SAE	Society of Automotive Engineers
UL	Underwriters Laboratories, Inc.

**ADVERTISEMENT** - A public announcement inviting proposals for work to be performed or materials to be furnished.

**AWARD** - The acceptance by the City of a proposal.

**BASIS OF PAYMENT** - The terms under which "work" is paid, as a designated pay item in accordance with the quantity measured and the pay unit.

**BIDDER** - Any individual, partnership, joint venture, firm or corporation submitting a proposal for the advertised work, acting directly or through a duly authorized representative.

**CALENDAR DAY** - Each and every day shown on the calendar, beginning and ending at midnight.

**CERTIFIED INVOICE** - An invoice from a supplier which has been reliably endorsed by the Contractor guaranteeing that the material was purchased and received for the project and establishing the value of the material.

**CLAIM** - A written demand or request for additional compensation or additional time submitted to the Engineer that:

- A. Contains the words "This is a claim...", within its Subject line or the first paragraph
- B. Cites the contractual basis for the demand or request
- C. Relates the Contractual basis cited to factual events occurring or that have occurred within the project.

**COMPLETION DATE** - The date on which the contract work is specified to be completed

**CONTRACT ITEM (PAY ITEM)** - A specifically named unit of work for which a price is provided in the Contract. The description, whether general or detailed, the content of the named unit of work shall be as per the project plans and specifications.

**CONTRACT CHANGE ORDER** - A written order issued to the Contractor by the City covering extra work, additions or alterations to the plans and specifications, and establishing the basis of payment and time adjustment for the work affected by the changes. The Contract Change Order is the only method authorized for changing the Contract.

**CONTRACT DOCUMENTS** - The following comprise the Contract Documents: Advertisement for Bids, Information for and Instructions to Bidders, Bid Proposal and Bid Guarantee Bond, Construction Contract, Change Orders, Addenda, Performance Bond, Labor and Material Payment Bond, Special Conditions, General Conditions, Technical Specifications, Notice of Award, Notice to Proceed, Drawings, Plans, Standard Specifications and Certificate of insurability. All of these documents together constitute the **CONTRACT**.

**CONTRACT TIME** - The number of calendar days allowed for the entire completion of the Contract, including authorized time extensions and work required to be complete after substantial completion. Where a calendar date of completion is specified, the Contract shall be completed on or before that date.

**CONTRACTOR** - Party contracting directly with the City to furnish and perform all work and services in accordance with the Contract Documents.

**COUNTY** - The County in which the work is to be done.

**DAY** - Unless otherwise defined shall mean "calendar" day.

**ENGINEER** - The City Engineer; or his designated representative.

**EXTRA WORK** - Work not provided for in the Contract as awarded but determined by the City to be essential to the satisfactory completion of the Contract within its intended scope.

**FINAL ACCEPTANCE** - The acknowledgment by the City that the project or the work has been completed in accordance with the Contract Documents and provides the date at which the warranty or guarantee period begins.

**INSPECTOR** - A person, persons, or firm authorized by the Engineer to make detailed reviews, observations, reports and determinations of contract performance.

**MAY** - Used to refer to permissive actions.

**METHOD OF MEASUREMENT** - The manner in which a pay item is measured to conform with the pay unit.

**NOTICE OF CLAIM** - A written notification submitted to the Engineer that a demand or request for additional compensation or additional time may be made. The notification shall

1. Contain the words "notification of a potential claim" within its Subject line or the first paragraph
2. Describe the occurrence which is the reason that the Notice of Claim is being presented

**NOTICE TO PROCEED** - Written notice to the Contractor to proceed with the contract work including, when applicable, the date of beginning of contract time. Start of Construction, as defined below, may start at a later date.

**PLANS** - The drawings and pictures depicting the location and special orientation of the work to be done.

**PROJECT** - The work to be completed pursuant to this contract.

**PROPOSAL** - A standard form plus information supplied by the City, which contains spaces for completion by the Bidder which, when completed in its entirety and executed by the Bidder, along with all required additional documents, shall constitute the Bid. Said Bid shall constitute the Contractor's offer to perform all work required as set forth in the Contract Documents for the amount of money stated in the Bid.

**PROPOSAL FORM** - The documents furnished by the City on which the offer of a bidder is submitted.

**PROPOSAL GUARANTY** - The security furnished with a proposal to Guaranty that the bidder will enter into the Contract if the proposal is accepted.

**RIGHT OF WAY** - A general term denoting land, property, or interest therein, acquired for or devoted to the construction of an improvement.

**SALVABLE MATERIAL** - Material that can be saved or salvaged. Unless otherwise designated or directed by the City or shown on the plans, all salvable material shall become the property of the Contractor.

**SAMPLES** - Samples are physical examples furnished or constructed by the Contractor to illustrate materials, equipment, workmanship or finishes, and to establish standards by which the work will be judged.

**SHALL** - Refers to mandatory actions by either the Contractor or the City.

**SHOP DRAWINGS** - Drawings, diagrams, illustrations, certificates, test reports, schedules, performance charts, brochures, shop layouts, fabrication layouts, assembly layouts, foundation layouts, wiring and piping layouts, specifications and descriptive literature required by the Contract Documents which the Contractor is required to submit for approval.

**START OF CONSTRUCTION** – The date in which the Contractor begins physical work at the project site. Restrictions on start of construction are provided in the General Conditions and may be specified in the Special Conditions.

**SUBCONTRACTOR** - Party supplying labor and/or material for work at the site of the project for, and under separate contract or agreement with, the Contractor. Nothing contained in the Contract Documents shall create any contractual relationship between the City and any subcontractor.

**SUBSTANTIAL COMPLETION** - The date when the work is sufficiently completed so it may be safely, conveniently, and beneficially utilized by the City for all of the purposes for which it

was intended. Reduced liquidated damages are chargeable for a project or portions thereof which have separately specified damages, if there are items of work remaining to be performed relative to such work once full substantial completion status has been attained. In such cases the amount of liquidated damages due shall be twenty-five percent (25%) of the unreduced liquidated damage amount stated in the contract.

**SUPERINTENDENT** - The Contractor's authorized representative in charge of the work.

**WORK** - The furnishing of all labor, materials, equipment, and all other incidentals necessary to the successful and acceptable completion of all obligations as described in the Contract Documents, and the carrying out of all of the duties and obligations imposed by the Contract.

### **3. CONTRACTOR'S UNDERSTANDING**

- A. It is understood and mutually agreed that by submitting a proposal, the Contractor acknowledges that he has carefully examined all documents pertaining to the work, the locations, accessibility, and general character of the site of the work and all existing buildings and structures within and adjacent to the site, and has satisfied himself as to the nature of the work, the condition of existing buildings and structures, the conformation of the ground, subsurface conditions, the character, quality, and equipment, machinery, plant, and any other facilities needed preliminary to and during prosecution of the work, the general and local conditions, the construction hazards, and all other matters, including but not limited to any labor situation which can in any way affect the work under the Contract. It is further mutually agreed that by submitting a proposal, the Contractor acknowledges that he has satisfied himself as to the feasibility and correctness of the Contract Documents for the construction of the work and that he accepts all the terms, conditions, and stipulations contained therein; and that he is prepared to work in peace and harmony with other Contractors performing work on the site.
- B. No verbal agreement or conversation with any officer, agent, or employee of the City, either before or after the execution of the Contract, shall affect or modify any of the terms, conditions, or other obligations set forth in any of the Contract Documents.
- C. The Contractor understands that, unless specifically stated otherwise in the contract documents, the intent of the contract documents is to provide complete and operable facilities. The Contractor's bid amount for this project, therefore, shall be and is considered to be for completion in conformity with this understanding, regardless of whether some aspect of the work to be performed is named as a separate bid item or not.

### **4. DEFECTIVE WORK**

- A. A City Representative, designated by the City Engineer, shall give written notice of the noncompliance to the Contractor, when, and as often as the City Representative determines through his inspection that procedures, material, equipment or workmanship incorporated in the Project does not meet the requirements of the Contract. Within five (5) working days from the receipt of such notice, the Contractor shall undertake the work necessary to correct such deficiencies, and to bring the work into compliance with the Contract Documents. Should the Contractor not agree with the City Representative's determination, and as a condition precedent to any request for either additional compensation or time extension, or both, resulting from the City Representative's determination, the Contractor shall within

three (3) working days provide a Notice of Claim to the Engineer that he may claim additional compensation, time or both, and detailed explanation of the Contractor's position. The Contractor shall document the costs associated with the corrective work with daily records and cost data and shall furnish such information to the Inspector daily. Receipt of cost data shall not be construed to be an acceptance of the corrective work, or an authorization for a Change Order to cover the corrective work. Failure by the Contractor to provide the specified written notice of an intention to make a claim shall be sufficient basis to reject any related claim subsequently submitted.

- B. Prior to initial acceptance of the Project, the City may, at its option, retain work, which is not in compliance with the Contract if the City determines that such defective work is not of sufficient magnitude or importance to make the work dangerous or undesirable. The City also may retain defective work, if in the opinion of the Inspector, and with concurrence of the City Engineer, removal of such work is impractical or will create conditions, which are dangerous or undesirable. Just and reasonable value, for such defective work, shall be judged, by the Engineer and appropriate deductions shall be made in the payments due, or to become due to the Contractor. Initial acceptance shall not act as a waiver of the City's right to recover from the Contractor an amount representing the deduction for retention of defective work.

## **5. NOTICE AND SERVICE THEREOF**

Where the manner of giving notice is not otherwise provided for in the Contract Documents, any notice to the Contractor from the City relative to any part of the Contract shall be in writing and considered delivered and the service thereof completed, when said notice is posted to the Contractor at the address given in the Contractor's proposal, or at the last business address known to the City, or delivered in person to the Contractor or his authorized representative on the site or transmitted electronically by facsimile or electronic mail using phone numbers and addresses last provided by the Contractor. It is mutually agreed that such notice shall be sufficient and adequate. The Contractor shall provide the City, upon written request, facsimile phone numbers and electronic mail addresses, in writing.

## **6. MATERIAL AND EQUIPMENT SPECIFIED BY NAME**

When material or equipment is specified by reference to one or more patents, brand names, or catalog numbers, it shall be understood that this is referenced for the purpose of defining the performance or other salient requirements, and that other materials or equipment, of equal capacities, quality and function may be considered. The Contractor may offer material or equipment of equal or better quality and performance in substitution for those specified which he considers would be in the City's interest to accept. After the Award of the Contract, the City will consider offers for substitution only from the Contractor and will not acknowledge or consider such offers from suppliers, distributors, manufacturers, or Subcontractors.

### Substitutions

The Contractor's offer of substitution shall be made in writing to the Engineer and shall include sufficient data to enable the Engineer to assess the acceptability of the material or equipment for the particular application and requirements. If the offered substitution necessitates changes to or coordination with other portions of the work, the data submitted shall include drawings and details showing such changes. Contractor agrees to perform these changes as part of the

substitution of material or equipment. Within thirty (30) calendar days after the receipt of the offer of substitution, the Engineer will review the material submitted by the Contractor and notify the Contractor if approved for use or objections, if any, to the proposed substitution or if further information is required. Upon notification by the Engineer, the Contractor shall either provide the approved material or equipment, which complies with project specifications, or furnish requested additional information. While the Engineer might not take any objections to the proposed substitution and may approve the same, such action shall not relieve the Contractor from responsibility for the efficiency, sufficiency, quality and performance of the substitute material or equipment, in the same manner and degree as the material and equipment specified by name. Any cost differential associated with a substitution shall be reflected in the Contractor's offer of substitution and the Contract Documents shall be modified by a Change Order.

When the specifications state the construction shall be performed by the use of certain methods and equipment, such methods and equipment shall be used unless other methods are authorized by the Engineer. If the contractor desires to use a method or type of equipment other than those specified, he may request authority from the Engineer to do so. The request shall be in writing and shall include a full description of the method and equipment proposed to be used and an explanation of the reasons for desiring to make the change. If approval is given it will be on the condition that the Contractor will be fully responsible for producing construction work in conformity with the Contract Documents. If material or equipment is specified by only one patent or proprietary name, or by the name of only one manufacturer, it is for the purpose of standardization, or because the City knows of no equal. If standardization is the reason for using one name to specify any material or equipment, the specifications will so state, and substitutions will not be considered. In other cases, the Contractor may offer substitutions in the same manner as requesting a Change Order for products he considers being equal to those specified.

## **7. CONTRACT BONDS AND GUARANTEES**

- A. The Contractor shall provide two surety bonds on the forms provided, each in an amount equal to 100% of the contract price. One shall serve as security for the faithful performance of the work and the other as security for the faithful payment and satisfaction of the persons furnishing materials and performing labor on the work. The bonds shall be issued by a corporation duly and legally licensed to transact surety business in the State of Arizona. Such bonds shall remain in force throughout the period required to complete the work and thereafter for a period of 365 calendar days after final acceptance of the work, plus 365 calendar days following the repair of any work pursuant to the guarantees herein made. The surety's liability on the bonds shall not exceed the underwriting limitations for the respective surety specified in Circular 570, published by the United States Department of the Treasury.
- B. Should any surety or sureties be deemed unsatisfactory at any time by the City, notice will be given to the Contractor to that effect and he shall forthwith substitute a new surety or sureties satisfactory to the City. No further payment shall be deemed due or will be made under this Contract until the new surety shall qualify and be accepted by the City.
- C. The Contractor guarantees to the City that all materials and equipment furnished under this Contract will be new and of good and sufficient quality, free from faults and defects as is necessary to complete the project as required by the Plans and Specifications.

## **8. INSURANCE**



- A. The Contractor, at Contractor's own expense, shall purchase and maintain the herein stipulated minimum insurance with companies duly licensed, possessing a current A.M. Best, Inc. Rating of B+6, as minimum and approved and licensed to do business in the State of Arizona with policies and forms satisfactory to the City.
- B. All required insurance herein shall be maintained in full force and effect until all work required to be performed under the terms of the Contract is satisfactorily completed and finally accepted - failure to do so may, at the sole direction of the City, constitute a material breach of this Contract.
- C. The Contractor's insurance shall be primary insurance, and any insurance or self-insurance maintained by the City shall not contribute to it.
- D. Any failure to comply with the claim reporting provisions of the policies or any breach of an insurance policy warranty shall not affect coverage afforded under the policy to protect the City.
- E. The policies, except Workers' Compensation, shall contain a waiver of transfer rights of recovery (subrogation) against the City, its agents, officers, officials and employees for any claims arising out of the Contractor's work or service.
- F. The insurance policies may provide coverage, which contains deductibles or self-insured retentions. Such deductible and/or self-insured retentions shall not be applicable with respect to the coverage provided to the City under such policies. The Contractor shall be solely responsible for deductible and/or self-insured retention and the City, at its option, may require the Contractor to secure the payment of such deductible or self-insured retentions by a surety bond or an irrevocable and unconditional letter of credit.
- G. The City reserves the right to request and to receive, within ten (10) working days, certified copies of any or all of the herein required insurance policies and/or endorsements. The City shall not be obligated, however, to review same or to advise Contractor of any deficiencies in such policies and endorsements, and such receipt shall not relieve Contractor from, or be deemed a waiver of, the City's right to insist on strict fulfillment of Contractor's obligations under this Contract.
- H. The insurance policies, except Workers' Compensation, required by this Contract shall name the City, its agents, officers, officials and employees as additional insured.
- I. The making of progress payments to the Contractor shall not be construed as creating an insurable interest by or for the City or be construed as relieving the Contractor or his Subcontractors of responsibility for direct physical loss, damage or destruction occurring prior to final acceptance.
- J. Any insured loss under the policies of insurance required by this Agreement shall be adjusted with the City and made payable to City for the insured, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph K of this Article of these General Conditions. City shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged work shall be repaired or replaced, the

moneys so received shall be applied on account thereof, and the work and the cost thereof shall be covered by an appropriate Change Order.

- K. City shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within ten (10) working days after the occurrence of loss to City's exercise of this power. If such objection were made, City shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If required in writing by any party in interest, City shall upon the occurrence of an insured loss, give bond for the proper performance of these duties
- L. If City finds it necessary to occupy or use a portion or portions of the work prior to substantial completion of all of the work, such use or occupancy may be accomplished as provided in these General Conditions, provided that no such use or occupancy shall commence before the insurers providing the property insurance have acknowledged notice thereof and in writing effected the changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or lapse on account of any such partial use or occupancy.

#### M. REQUIRED COVERAGE

The Contractor shall obtain for itself and provide the City with Certificates of Insurance indicating the scope and extent of coverage as set forth below. Required coverage's may be modified by an amendment to the Contract Documents.

##### 1. GENERAL LIABILITY

Contractor shall maintain Commercial General Liability insurance with a limit of not less than \$3,000,000 for each occurrence with a \$3,000,000 Products and Completed Operations Aggregate and \$3,000,000 General Aggregate Limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products/completed operations and blanket contractual coverage including, but not limited to, the liability assumed under the indemnification provisions of this Contract, which coverage will be at least as broad as Insurance Service Office, Inc. Policy Form CG 000211093 or a11y replacement thereof. The coverage shall not exclude X, C, U.

Such policy shall contain a severability of interest provision, and shall not contain a sunset provision or commutation clause, or any provision, which would serve to limit third party action over claims.

The Commercial General Liability additional insured endorsement shall be at least as broad as the Insurance Service Office, Inc.'s, Additional Insured, Form B, CG20101185, and shall include coverage for Contractor's operations and products and completed operations.

If required by this Contract, the Contractor subletting any part of the work, services or operations awarded to the Contractor shall purchase and maintain, at all times during prosecution of the work, services or operations under this Contract, an Owner and Contractor's Protective Liability insurance policy for bodily injury and property damage, including death, which may arise in the prosecution of the Contractor's work, service or operations under this Contract. Coverage shall be on an occurrence basis with a limit not

less than \$3,000,000 per occurrence, and the policy shall be issued by the same insurance company that issues the Contractor's Commercial General Liability Insurance.

## 2. AUTOMOBILE LIABILITY

Contractor shall maintain Commercial Business Automobile Liability insurance with a combined single limit for bodily injury and property damage of not less than \$1,000,000 each occurrence and \$2,000,000 for more than one person and property damage in the sum of not less than \$1,000,000 resulting from any one accident which may arise from the operation, actions or omissions of the Contractor or any Subcontractor in the performance of the project, and with respect to the Contractor's owned, hired, and non-owned vehicles assigned to or used in performance of the Contractor's work. Coverage will be at least as broad as coverage code 1, "any auto", (Insurance Service Office, Inc. Policy Form CA 00011293, or any replacements thereof). Such insurance shall include coverage for loading and offloading hazards. If hazardous substances, materials or wastes are to be transported, MCS 90 endorsement shall be included and \$5,000,000 per accident limits for bodily injury and property damage shall apply.

## 3. WORKERS' COMPENSATION

The Contractor shall carry Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Contractor's employees engaged in the performance of the work; and, Employer's Liability insurance of not less than \$1,000,000 for each accident, \$1,000,000 disease for each employee, and \$1,000,000 disease policy limit.

In case any work is subcontracted, the Contractor will require the Subcontractor to provide Workers' Compensation and Employer's Liability to at least the same extent as required of the Contractor.

The Contractor shall furnish the City with a Certificate of Waiver of Subrogation under the terms of the Workmen's Compensation insurance. The Contractor shall defend, protect, and save harmless the City from and against all claims, suits, and actions arising from failure of the Contractor or the Subcontractor to maintain such insurance.

## 4. BUILDERS' RISK (PROPERTY) INSURANCE

The Contractor shall purchase and maintain, on a replacement cost basis, Builders' Risk insurance in the amount of the initial Contract Amount as well as subsequent modifications thereto for the entire work at the site. Such Builders' Risk insurance shall be maintained until final payment has been made or until no person or entity other than the City has an insurable interest in the property required to be covered, whichever is earlier. This insurance shall include interests of the City, the Contractor, and all Subcontractors and Sub-Subcontractors in the work during the life of the Contract and course of construction, and shall continue until the work is completed and accepted by the City. The insurance shall cover work performed under the Contract and materials, equipment or other items to be incorporated therein, while the same are located at the construction site, stored off-site, or at the place of manufacture. The policy shall cover not less than losses due to fire, mischief, weather, vandalism, malicious mischief, wind, collapse, riot, aircraft, smoke or any other casualty, including but not limited to earthquakes, tornadoes or other cataclysmic events, until the date of initial acceptance of the work. For new construction projects, the Contractor agrees to assume full responsibility for loss or damage to the work being performed and to the buildings under

construction. For renovation construction projects, the Contractor agrees to assume responsibility for loss or damage to the work being performed at least up to the full Contract Amount unless otherwise required by the Contract Documents or amendments thereto.

Builders' Risk insurance shall be on an all-risk policy form and shall also cover false work and temporary buildings and shall insure against risk of direct physical loss or damage from external causes including debris removal, demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for Architect's service and expenses required as a result of such insured loss and other " soft costs" as required by the Contract.

Builders' Risk insurance must provide coverage from the time any covered property becomes Contractor's control and/or responsibility, and continue without interruption during construction or renovation or installation, including any time during which the covered property is being transported to the construction installation site, and while on the construction or installation site awaiting installation. The policy will provide coverage while the covered premises or any part thereof are occupied. Builders' Risk insurance shall be primary and not contributory.

If the Contract requires testing of equipment or other similar operations, at the option of the City, the Contractor will be responsible for providing property insurance for these exposures under a Boiler Machinery insurance policy.

The maximum deductible allowable under this policy shall be \$5,000. The policies providing this insurance shall name the City, its agents and attorneys, the City Engineer, and the Design Engineer as additional insured as their respective interests shall appear.

5. **BLASTING INSURANCE:**

If the Contractor determines that the performance of the project will require use of explosives, the public liability and property damage insurance shall specifically cover all liability arising out of the Contractor's acquisition, storage and use of explosives. If work requiring use of explosives is not discovered until after the commencement of the work, upon discovery, the Contractor shall immediately procure blasting insurance as required by this paragraph. The Contractor shall not undertake any blasting without submission to the City of a Certificate of Insurance covering all liability due to blasting regardless of amount. Any delays incurred by the Contractor in procuring blasting insurance shall not be grounds for an extension of time for completion of the project, nor for any additions to the contract price.

6. **OTHER INSURANCE:**

The Contractor shall carry and maintain all other insurance including Flood Insurance as may be required by Federal, State, County and City laws or ordinances. The Contractor may be required to, at the discretion of the City, maintain additional fire and extended coverage with an endorsement for vandalism and malicious mischief in his name and also in the name of the City in an amount of not less than \$100,000.00.

The Contractor may utilize up to \$2,000,000 in excess liability coverage to meet the above-required limits for insurance. Any deductibles shall be declared and the City may require deposits be made to it up the amount of such deduction, at its sole discretion.

## 7. CERTIFICATES OF INSURANCE

Prior to commencing Services under this Contract, Contractor shall furnish the City with Certificates of Insurance, or formal endorsements as required by the Contract, issued by Contractor's insurer(s), as evidence that policies providing the required coverage's, conditions and limits required by this Contract are in full force and effect.

All Certificates of Insurance required by this Contract shall be identified with a bid serial number and title. A \$25.00 administrative fee shall be assessed for all Certificates received without the appropriate bid serial number and title. Each of the Certificates of Insurance shall contain a clause substantially in the following words:

**It is hereby understood and agreed that if this policy is canceled, a written notice of such cancellation shall be mailed to the City of Sedona within ten (10) working days.**

Such insurance coverage obtained by the Contractor other than Workmen's Compensation Coverage, shall name the City, the City Engineer, the Design Engineer, and their directors, officers, principals, agents, attorneys, and employees as Additionally Insured.

Insurance evidenced by these certificates shall not expire, be canceled, or materially changed without fifteen (15) days prior written notice to the City.

All certificates of insurance and endorsements required to be purchased by Contractor pursuant to this Article shall be filed with the City. Certificates shall be acceptable to City. If a policy does expire during the life of the Agreement, a renewal certificate of the required coverage must be sent to the City not less than five days prior to expiration date.

Each certificate of insurance shall include the job site and project number. Coverage shown on certificate of insurance must coincide with the requirements in the text of the Contract Documents.

## 9. SCHEDULE OF CONSTRUCTION

- A. The Contractor shall submit to the City within five (5) days after award of Contract, or as may be otherwise requested by the City, a schedule showing the order in which the Contractor proposes to carry on the work and at a rate sufficient to successfully construct all of the Work set forth in the Contract Documents within the Contract Period. Such schedule shall show the dates at which the Contractor will start and complete the several parts of the Work. The schedule shall identify the following items if applicable:

1. Potholing.
2. Mobilization.
3. Roadway work to be broken down at a minimum, on a street by street basis.
4. Pipeline work to be broken down on a manhole to manhole basis and individual pump station construction or abandonment.
5. Site prep.
6. Drainage improvements prep and construction.
7. Ramp prep, construction and finish.
8. Sidewalk prep, construction and finish.

9. Bridge prep, abutment construction, bridge construction, bridge placement, and finish.
10. Traffic control.
11. Demobilization
12. SWPPP.
13. Other items as applicable and/or listed in the bid schedule.

The schedule shall also show the order of construction and delivery dates at which the Contractor will start and complete the several other parts of the Work, the order of construction and delivery dates of critical materials and equipment along with monthly payment estimates, dates for submittal of working drawings and shop drawing to the Engineer for review, and the name of the project superintendent. The City shall be notified in writing of changes in the project superintendent. The schedule shall be subject to review and comment by the City as per MAG specifications section 108.4. The schedule shall be binding on the Contractor and shall be complied with by the Contractor unless, for good cause shown, a modification of the schedule shall be requested in writing to and approved by the City. The schedule shall also:

1. Be updated with each progress billing.
2. Include a detailed two week look ahead, indicate work requiring inspection, and be updated at each progress meeting.
3. Show work tasks progress in time periods of seven days or less unless otherwise approved by the Engineer.
4. Identify the critical path(s) for the work and task float.
5. Identify tasks corresponding to bid item descriptions when possible. Less comprehensive task designations may be used to comply with 2 above.
6. Conform to any time and location constraints identified in permits and the contract documents.
7. Span the current contract date to the end of the contract time.
8. Be submitted in an electronic format compatible with Microsoft Project Standard 2007, and hard copy format.
9. Identify long lead items.

The schedule format (size, color, type format) shall be such that the different tasks, durations, critical path and durations can be easily distinguished. The Contractor shall also provide a listing of tasks and durations with the schedule. If the schedule and list is being provided prior to a Notice to Proceed it need not include dates for start and completion of tasks. Any schedule and list provided after the Notice to Proceed has been issued shall include dates. A schedule and list shall be provided on the date of the Notice to Proceed. The Contractor shall begin work on the project site within five (5) working days of the Notice to Proceed, unless stated otherwise in specifications. Failure to do so is sufficient cause for termination in addition to other remedies the City may have.

- B. Where the City's operations require specific sequencing of the work, such sequencing requirements as provided for in the Contract Documents shall be followed.
- C. When progress has not kept pace within two weeks of the schedule or if otherwise requested by the City the Contractor shall update his schedule within five (5) working days of the City's written request. The revised schedule will include a description of what actions will be done by the Contractor to bring the project back on schedule. **Failure to**

**not provide a revised schedule within one week of its request may result in the withholding of \$750 from any progress payment due.** Each written request by the City shall be considered a separate request and subject to the withholdings specified, provided it is within the following billing cycle from a previous request.

- D. The Contractor shall provide the City with a list of emergency phone numbers, addresses, pager numbers, facsimile numbers, and electronic mail addresses for contacting key personnel in the case of any after-hours emergency.
- E. The Contractor shall furnish the City with a schedule for hours of work. In it, the Contractor shall note the begin work, begin daily clean-up and daily shutdown times to be followed by the Contractor during the project unless otherwise changed. The Contractor's regular work hours on regular workdays shall be between 7:00 AM and 5:30 PM Monday through Thursday, unless otherwise stated in the specifications. Friday work is permitted between 7:00 AM and 5:30 PM for work that does not require City inspection. This work hours timeframe shall be considered to include start-up of equipment and daily clean-up of the work area. Weekends and Holidays for the City of Sedona shall be considered non-regular work hours. Permission to work non-regular work hours shall be subject to approval by the Engineer and the provisions of General Conditions, Section 39. **The Engineer may deduct \$250 per day for work outside of approved work hours after issuance of one written warning during the course of the project.**

The City of Sedona has the following holiday schedule:

New Year's Day, January 1<sup>st</sup>

Martin Luther King/Civil Rights Day, 3<sup>rd</sup> Monday of January

President's Day, 3<sup>rd</sup> Monday in February

Memorial Day, Last Monday in May

Independence Day, July 4<sup>th</sup>

Labor Day, 1<sup>st</sup> Monday in September

Veteran's Day, November 11<sup>th</sup>

Thanksgiving Day, 4<sup>th</sup> Thursday in November AND the Friday after Thanksgiving Day

Christmas Day, December 25<sup>th</sup>

## **10. PROGRESS MEETINGS**

Periodic meetings shall be held between the City of Sedona officials, Contractor, and other affected agencies, at a standard time and place, and at a frequency to be established during the pre-construction meeting. These meetings shall be used to discuss scheduling and matters related to the project.

## **11. TAXES**

The Contractor shall be responsible for and shall include in his bid prices all applicable taxes, including but not limited to Federal, State, and Local Taxes.

## **12. ASSIGNMENTS**

The Contractor shall not assign the whole or any part of the Contract or any monies due or to become due hereunder without the written consent of the City and of the Surety on the Contractor's Bond. A copy of such consent of Surety, together with a copy of the assignment,

shall be filed with the City. If the Contractor assigns all or any part of any monies due or to become due under the contract, the instrument of assignment shall contain a clause substantially to the effect that it is agreed that the right of the assignee in and to any monies due or to become due to the Contractor shall be subject to prior claims and liens of all persons, firms, and corporations for services rendered; for the payment of all materials and equipment furnished and for payment of all materials and equipment used or rented in the performance of the Work called for in the Contract; and for the payment of any liens, claims, or amounts due the Federal, State, or local government or any of their funds.

### 13. SUBCONTRACTING

- A. Subcontractors will not be recognized as employees or agents of the City, nor as having any privity of contract with the City. All persons engaged in the work of construction will be considered by the City to be employees of the Contractor. The Contractor will be held responsible for their work and for all materials provided by them, which shall be subject to the provisions of the Contract.
- B. Each subcontract shall contain a suitable provision for cancellation or termination thereof should the Subcontractor neglect or fail to conform to every provision of the contract.
- C. Subcontractors collectively shall not perform more than fifty percent (50%) of the value of the total work required pursuant to the Contract Documents. **The Contractor agrees that should this percentage be exceeded the City may consider the Contractor in breach of this contract and/or make deductions equal to one half of one percent of the total approved contract value for each one percent of subcontracted work beyond that allowed above.** The Contractor shall perform fifty percent (50%) of the contract work using the Contractor's own organization as construed in ADOT Standard Specifications 2000 Section 108.01.
- D. The City of Sedona encourages all contractors to utilize minority and women owned businesses whenever possible.

### 14. COOPERATION AND COLLATERAL WORK

- A. In general, the Contractor shall be responsible for the scheduling and coordination of his work with any other work, which may be, carried on in the construction areas for this project by other parties or by the City simultaneously with his construction work. The contractor shall include in his bid any costs, which may be involved on his part as a result of coordinating his construction with such other activity.
- B. \When two or more Contractors are employed by the City in related or adjacent work, each shall conduct his operations in such manner as to not cause any delay or hindrance to the other and shall properly connect and coordinate the execution of their respective work with the other. The City will not be responsible for damage caused by such delays, and such delays will not entitle the contractor(s) to an extension of time. The Contractor shall afford other Contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work.

If the proper execution of any part of the Contractor's work depends upon the work of any other Contractor, the Contractor shall inspect and promptly report to the City Engineer any



discrepancies between the executed work and the drawings or any defects in such work that render it unsuitable for such proper execution. The failure of the Contractor to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper for the reception of his own work. The exception is for defects, which may develop in the other contractor's work, after the execution of the Contractor's collateral work that would not have been discovered before the Contractor's collateral work began.

- C. The contractor shall coordinate his work, and cooperate with any other persons or entities operating on or adjacent to the site of the project.

Where persons employed by other persons or entities are engaged in or near the construction areas for this project, and where such work on the part of said parties results in a delay in performance by the Contractor, and where such delay, in the opinion of the City Engineer, is of such nature that it could not have reasonably been foreseen or anticipated by the Contractor in time for him to take steps to prevent same, then the Contractor shall be entitled to an extension of time.

The Contractor shall promptly make good any injury or damage caused by him that may be sustained by other Contractors or employees of the City. The Contractor shall join his work to that of others and perform his work in proper sequence in relation to that of others.

## **15. LINES AND GRADES**

The Contractor shall be responsible for providing all construction staking and surveying needed to construct the facilities in accordance with the Plans and Specifications, and shall include such costs in his bid for the applicable items of work. The Contractor shall employ a surveyor licensed in the State of Arizona to perform all surveying necessary to construct this project to the lines and grades provided in the plans. The Contractor shall provide to the Engineer the Surveyor's listing of lines, grades, distances, curve information and point data (including northing, easting and elevation) used to actually establish project staking at least two working days prior to establishing subgrade, setting forms, placing pre-cast facilities, pouring concrete, installing pipe, or placing asphalt. The Contractor shall provide a set of as-built plans showing manhole and inlet inverts, rim and grate elevations, gutter elevations at 50-foot intervals, changes of grade, invert and finished grade elevations of concrete structures at the center and corners, and the inlet and outlet ends of pipes. The surveyor shall seal and designate them as as-built plans. This as-built plan is in addition to the Status As-Built and Record As-Built required under other provisions of these specifications. The Final contract payment shall not be due until all as-built plans have been submitted and accepted. Any work performed without complying with the Survey requirements in these specifications shall be considered unauthorized work and subject to the provisions of MAG section 105.11. As-Built plans shall be submitted in the following formats: hard copy in the same size as provided by the City to the Contractor for the contract, AutoCAD 2006, and .pdf.

The Contractor shall pothole utility facilities and report results to the Engineer at least two (2) working days prior to excavating for installation of roadways, asphalt patches, catch basins, underground pipes, manholes, footings, vaults, and basins. The report shall indicate any conflicts or inadequate clearances as related to the work to be performed. Failure to perform potholes and report results, as required, will result in the loss of the right to make a claim for changes in compensation and time due to conflicts, interference, protection or other costs related to the utility, as such, a claim would have been mitigated by performing the pothole timely.

## **16. EXCAVATIONS, UNDERGROUND FACILITIES LOCATION, AND STORMWATER POLLUTION PREVENTION.**

The Contractor in the execution of the Work shall conform to all applicable Federal and State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over employment discrimination, wages and working conditions, and the construction of the Work, including but not limited to all construction codes, O.S.H.A. Requirements, and safety codes, which may apply to (1) performance of the Work; (2) protection of adjoining and adjacent property; (3) maintenance of passage-ways, guard fences or other protective facilities; and shall obtain all permits and pay for licenses and approvals necessary for the construction of the Work and give all required notices.

ARS-40-360.22 Excavations: Determining locations of underground facilities; providing information. This statute requires that no person shall begin excavation before the location and marking are complete or the excavator is notified that marking is unnecessary and requires that upon notification, the owner of the facility shall respond as promptly as practical, but in no event later than two working days. The “Blue Stake Center” (1-800-782-5348) was formed to provide a more efficient method of compliance with this statute.

ARS-40-360.23 Making excavations in careful, prudent manner: liability for negligence. This statute states that obtaining information as required does no excuse any person making any excavation from doing so in a careful and prudent manner nor shall it excuse such persons from liability for any damage or injury resulting from his negligence.

ARS-40-360.28 Civil penalty: Liability. If the owner or operator fails to locate, or incorrectly locates the underground facility, pursuant to this article, the owner or operator becomes liable for resulting damages, costs and expenses to the injured party.

### **Licenses and Permits:**

The Contractor shall be required to obtain, at his expense, the appropriate licenses and permits from the City of Sedona before the start of construction. It is the duty of the Contractor to determine that all necessary permits have been obtained. Costs associated with obtaining a license are not waived.

### **Arizona Pollutant Discharge Elimination System (AZPDES) Permit**

#### **A. General requirements:**

The Contractor shall comply with the AZPDES Stormwater requirements for construction sites pursuant to the requirement of the Arizona Department of Environmental Quality (ADEQ). The Contractor shall be designated as permittee and shall be responsible for providing the necessary labor and materials, and for taking the appropriate measures to assure compliance with the ADEQ requirements, as well as other Federal, State and local requirements pertaining to storm water discharges. As the permittee, the contractor is responsible for completing, in a manner acceptable to the ADEQ, all documents required including the following:

1. Storm water Pollution Prevention Plan (SWPPP) for the project including certification form. The contractor will be required to submit for approval, update and revise the SWPPP as necessary throughout the construction of the project in order to assure

compliance with permit requirements. The completed SWPPP shall be kept on the project site at all times during construction of the project.

2. Notice of Intent (NOI) to be covered by Arizona General Permit for Arizona including certification of signature.
  3. Notice of Termination (NOT) of coverage under AZPDES (upon project completion).
- B. Regardless of whether compliance with AZPDES is required the Contractor shall prepare a Storm Water Pollution Prevention Plan. That Plan shall at a minimum address the following issues:
- Designation, maintenance and clean-up of vehicle storage, fueling, lubrication and maintenance areas
  - Clean up and off-site disposal of excess construction materials including asphalt, concrete, paints, oils, and wrapping materials
  - Daily work day clean-up of debris in work area
  - Prevention of wind born debris/Dust Control Plan
  - Prevention of erosion resulting from rain or watering activities'
  - Measures to prevent silt and debris generated by this project from migrating beyond the construction site boundaries. Measures such as trapping and removing debris and dirt generated, or other measures acceptable to the Engineer, shall be taken.
  - The Contractor shall comply with the City of Sedona General Storm Water Pollution Prevention Guidelines, this includes filing the City Notice of Intent.

C. Submittals:

1. Preliminary copies of the NOI and SWPPP shall be submitted to the Engineer two days prior to the preconstruction meeting. Any necessary revisions to the SWPPP shall be subject to review by the Engineer, prior to implementation.
2. The Contractor shall submit completed, signed NOI forms at least forty-eight (48) hours prior to the initial start of construction on the project to the Arizona Department of Environmental Quality in Phoenix, Arizona (ADEQ, 1110 West Washington Street, Phoenix, AZ. 85007). Generally projects of less than one (1) acre may not be applicable to this requirement at this time. If the project is subject to these requirements, the Contractor shall be designated the permittee.
3. Failure by the contractor (or any of its appropriate subcontractors) to submit the NOI forms within the required timeframe shall result in delay of the start of construction, but shall not prohibit issuance of the Notice to Proceed, at the City's sole discretion. A copy of the completed NOI shall be posted on the construction and a copy of the SWPPP shall be kept on the construction site.

Contractor's Responsibilities:

1. It is the Contractor's responsibility to perform inspection of all storm water pollution control devices on the project on a monthly basis and following each rainfall. The contractor shall prepare reports on these inspections and retain these reports for a period of three years following project completion. Inspection reports shall be submitted monthly to the CITY along with payment requests. The contractor shall maintain all

storm water pollution control devices on the project in proper working order, including cleaning and/or repair during the duration of the project.

2. No condition of either the AZPDES or the SWPPP shall release the contractor from any responsibilities or requirements under other environmental statutes and regulations.
3. Upon total project completion, acceptance, and de-mobilization, the contractor shall submit its completed, signed NOT form to the ADEQ with copies to the same agencies who received copies of the NOI, thereby terminating all AZPDES permit coverage for the project.

D. Payment: There shall be no separate payment made to the Contractor for all material, labor, and other incidental costs relating to the provision, installation, and maintenance of items relating to this permit during project construction. Such incidental costs shall include contractor costs in order to assure proper operation of the pollution-control devices installed including all maintenance, cleaning, and disposal costs associated with clean-up and repair following storm events or other runoff or releases on the project.

## **17. EXISTING UTILITIES, RIGHTS-OF-WAY, EASEMENTS**

### **A. EXISTING UTILITIES**

Because of the nature of this contract, existing utilities are not shown or indicated in these specifications, except to note that their locations are within rights of way, streets and easements throughout the City of Sedona area. The fact that utilities are not shown shall not relieve the Contractor of the following responsibilities:

1. The Contractor shall be responsible for the preservation of all existing water, sewer, storm sewer, buried transmission lines or any cable or utility. If damaged, all costs for the necessary repairs shall be paid by the Contractor.
2. The Contractor shall locate and verify the location of all existing utilities prior to any excavation. This shall be done at least two (2) days prior to excavation for installation of project facilities or ordering equipment or materials for those facilities.
3. The Contractor shall be responsible for the location of all service lines.
4. Continuation of Service - All services shall be maintained to all areas at all times during the construction period, except when it is necessary to shut down a line to make a connection with the new line. Residents shall be given twenty-four (24) hour notice when it is known that the service will be interrupted. The Sedona-Oak Creek Fire District shall be kept advised of the status of all fire hydrants affected by any work on this Project.
5. The Contractor is responsible for as-building all existing utilities within the improvement area (location, depth, and material).

### **B. RIGHTS-OF-WAY AND EASEMENTS**

The City will furnish land, right-of-way, or easements as shown in the Contract Documents for the performance of the Work under the Contract. Contractor shall confine his operations to the land, right-of-way or easements furnished, and will restore the same to their original conditions to the extent reasonably possible prior to final acceptance of the work. Prior to construction or entry thereon, the Contractor shall obtain copies of and become familiar with any agreements and stipulations used by the City in acquiring temporary or permanent easements.

The Contractor shall remain within easement areas and rights-of-way obtained or owned by the City or easement areas the Contractor has obtained. Disturbed areas shall be reasonably restored upon completion of installation of the project improvements and related appurtenances in the easement. The Contractor shall be responsible to adhere to easement provisions whether the easement was obtained by Contractor or City. A temporary 4-foot high orange fence shall be placed to define the work area for all easements encompassing all work that occurs outside the City right-of-way. Clearing by manual means for the purpose of defining the area to be fenced shall be the only activity allowed on the easement before the fence is placed. City shall provide the Contractor with a copy of the easement agreement with the property owner, upon request. Contractor shall be responsible for all restoration of the easement as described in the easement agreement. Trees and larger vegetation shall be preserved to the maximum extent practicable.

The Contractor shall be responsible for the preservation of all existing property pins. If disturbed or damaged the Contractor shall be responsible for all costs associated with the restoration of any property pin disturbed by the Construction activities. Any property monuments, which require resetting, shall be reset under the direction of a licensed Surveyor by the State of Arizona and proper documentation recorded with the appropriate County.

Access by Residents: The Contractor shall ensure that all residents have access from the Street to their property each night. When access to a resident's property cannot be maintained during normal working hours (week days), the Contractor must personally notify the affected residents two working days in advance of the closure. Such notification shall be documented in writing to the Engineer. Emergency access shall not be blocked, for any reason without the express written permission from the owner.

Access to Public Facilities: The Contractor shall assure that safe access to facilities including, but not limited to, parking lots, picnic shelters, playgrounds, and pedestrian ways is provided. Any disruption to the public's normal use of said facilities shall not occur without the express written permission from the City.

Intersection and Driveway Maintenance: Once work has commenced in a particular street, the Contractor shall provide and maintain access facilities to all connecting streets, intersections and private driveways by ramping or surfacing with suitable materials to ensure access at all times. If in the opinion of the City, such facilities, or materials used, are not capable of supporting traffic, the Contractor shall remove the materials and provide better-suited materials, including asphalt concrete or similar, as directed by the Engineer. This work shall be considered incidental to the Project, and all costs shall be borne by the Contractor. Failure to comply with these requirements may result in stoppage of the work until corrected as determined by the Engineer, with no time extension being granted for such delay to the Project.

## 18. OPERATIONS, LAYDOWN YARD AND STORAGE AREAS

- A. All operations of the Contractor (including laydown yard, storage of materials, supplies, and equipment) shall be confined to areas authorized by the City. **The City of Sedona does not have available construction staging or material lay down facilities, except as specified otherwise in the specifications.** The Contractor is responsible for arranging and providing for such facilities as is deemed necessary for carrying out the work of this contract. The City does not warrant or represent in any way the availability of staging or material lay down areas within the City or vicinity of the project. It is the Bidder's responsibility to make such determinations. The price paid for mobilization shall include all costs for and associated with providing construction staging and material lay down facilities necessary for constructing the project. If a mobilization item is not included in the specification, the cost for compliance with item shall be considered as included in the unit price (s) bid for the various items of work. The Contractor shall be liable for all and any damages caused by him to such premises.

The Contractor shall comply with the following, regarding laydown yards:

- Any use of vacant property adjacent to or near the project used for parking or servicing equipment and/or storing of material will require the Contractor to provide written approval from the property owner, homeowner associations as applicable, and the filling of a temporary use permit from the City of Sedona.
- A copy of the property owner's approval shall be submitted to the Engineer, stating the use of the laydown yard for use during the construction of this project is acceptable.
- The Contractors yard shall be enclosed with a six (6) foot temporary fence.
- Storage of Gasoline will require Fire Department approval.
- Clearing or grading of the site in excess of fifty (50) CY of soil will require a grading permit. No grading will be allowed which changes the drainage path for the parcel without the approval of the City Engineering Department. All existing pipes and drainage facilities at the laydown yard will be maintained in working order at all times.
- A stabilized construction entrance will be required if the vacant property laydown yard is not already gravel or pavement. The laydown yard shall be adequately maintained to control dust and mud from leaving the property.
- Work in the laydown yard shall be scheduled so as to comply with any City noise or light Ordinances and these specifications.
- Equipment, materials, etc., shall be located so as to minimize impact to adjacent properties.
- Before any grading of any laydown yard, property corners will be located for the parcel. Any property pins disturbed by the Contractors operations will be replaced prior to final acceptance of the project.
- The Contractor shall obtain a written release from the property owner, homeowner's associations or similarly concerned parties after completion of use. A copy of the release shall be presented to the Engineer.
- Equipment and material shall not be stored in the right-of-way and/or street easement during non-work hours without permission of the Engineer. Such permission shall be subject to finding that it is impractical to move the equipment or material because of size or that permission has been granted to close the right-of-way to all traffic, including local traffic. Lack of construction yard or other staging

area shall not be considered as reason to grant permission. Such permission, if granted, shall be subject to conditions determined at the sole discretion of the Engineer.

- B. The Contractor shall hold and save the City free and harmless from liability of any nature or kind arising from any use, trespass, or damage occasioned by his operations on the premises of third persons.
- C. The Contractor shall be wholly responsible for the care, compliance with law, and storage of materials, supplies or equipment delivered on the work site or purchased for use thereon. Stored materials, supplies, or equipment shall be carefully and continuously protected from damage or deterioration and so located so as to facilitate inspection by the City. The responsibility for the care and storage of materials, supplies, or equipment shall be with the Contractor whether such materials, supplies, or equipment are furnished by the Contractor or by the City. Storage of materials, supplies, or equipment shall not unduly interfere with the progress of the Contractor's Work or the work of any other contractor.
- D. Traffic Control:

Adequate traffic flow shall be maintained at all times, all barricading and temporary signage for detours and traffic control must meet the standards set by the Manual of Uniform Traffic Control Devices (MUTCD) and the City Engineer. If traffic control is not a separate bid item; then, it is considered incidental to the work and shall be included as appropriate in the Contractors bid. The Contractor must also take responsibility for public safety, meaning:

  - 1. That, except for alleyways, one lane of the roadway for each direction must be kept open at all times; OR
  - 2. Certified flaggers must be provided to properly channel traffic at all times when two separate lanes (one each direction) cannot be maintained open; OR
  - 3. Total closure of a roadway shall only occur with the written permission of the City Engineer. For all rights-of-ways requiring closure for any work therein, appropriate permits shall be obtained. Prior to start of construction, the Contractor shall provide the Engineer with planned traffic control methods and procedures for this project. A notice of closure for residents, along with a map showing the planned area of distribution shall be included as part of the planned methods and procedure. Proper traffic control and advance warning signage shall be in place prior to any road closure.
  - 4. When detours or road closures are implemented an overall map showing anticipated flow of traffic shall be provided.
  - 5. The Contractor shall have a designated person responsible for overall traffic control on-site at all times.
  - 6. A Traffic Control Plan shall be submitted for review. The plan is intended to be a guide; Contractor shall submit any proposed revisions for approval by the Engineer.
  - 7. Pedestrian traffic must be maintained at all times, on at least one side of the road.
  - 8. The Contractor shall supply a Public Announcement showing closures and detours.

## E. Water Use

1. All water used by Contractor for testing, compaction, dust control, or other uses related to construction, shall be obtained by the Contractor from an approved water source. The Contractor shall be responsible for all deposits, charges and fees.

Reclaimed water is available to the Contractor for dust control and other on-site construction uses at no cost to the Contractor (other than testing costs noted below), according to the following limitations (any required water outside these limitations shall be provided by the Contractor from an approved source):

- a. Reclaimed water will be available for use by the Contractor Monday – Friday. It shall be the Contractor's responsibility to apply for and obtain a Type 2 General Water Reuse Permit (Class A+ Reclaimed Water) from ADEQ for dust control and other construction uses. Contractor shall also be responsible for the cost of fecal coliform testing. The cost of testing is \$50 for each day that water is taken for construction use.
- b. Water shall be provided from the effluent pump station wetwell at the Wastewater Treatment Plant using contractor-provided submersible pump.
- c. Contractor is responsible to supply conveyance and storage facilities for water made available by the City. Contractor shall record and report to the City on a weekly basis the date and amount of water used.

## F. Dust and Debris Control

1. **The contractor shall cover all trucked loads of soil, rock and material that may drop from, be sifted from or blown from the vehicle. The City may require that trucks arriving with uncovered loads not be allowed to deliver material to the project, regardless of whether or not the truck is the contractor's, a subcontractor's, a service provider's, or a material supplier's vehicle. If trucks leave the site with uncovered loads the City reserves the right to do one or more of the following:**
  - a. The truck will not be allowed on the site
  - b. **The contract compensation will be reduced by \$150 per observed uncovered load. The contract time will be reduced by one day**
  - c. The Police Department may issue a citation.
2. Pine slash and/or cut down pine trees shall be removed from the City within 24 hours, including any non-working days, of being broken or cut. This measure is to minimize pine bark beetle infestation in Sedona.
3. The contractor shall take measures to prevent blowing debris and/or dust from the site.
4. Dust Control shall comply with the following:
  - a. Dust control shall be maintained at all times on the project. Spray nozzles shall be used as necessary on equipment to reduce dust. Mist shall be visible when standing adjacent to the equipment.
  - b. A Dust Control Plan shall be submitted prior to Start of Construction.
  - c. Cleanup and Dust Control shall be in compliance with MAG Section 104.1.3 and 104.1.4.



5. The contractor shall clean any dirt tracked from the project work area from streets and sidewalks using equipment and methods that will not create excessive dust. Sweeping is the preferred cleaning method. Washing of streets and/or sidewalk and other paved areas will require special permission from the Engineer and shall be subject to conditions imposed by the Engineer. The City reserves the right to require that the Contractor to cease work that is resulting in excessive tracked mud and/or dirt from and within the project area, and to require cleaning prior to allowing the ceased work to continue. The exercise of the City's right and impacts there from shall not provide a basis for claim by the contractor. Failure of the Contractor to cease work shall be sufficient reason for the City to reduce the contract time by one calendar day per incident, at the City's sole discretion.
6. Dirt, debris, wastewater and other debris shall not be disposed of in stormwater facilities and/or natural drainage channels. The City may require inspection of stormwater facilities and/or natural drainage channels prior to and during the work to verify compliance with this requirement. The City may require the contractor to clean stormwater facilities and/or natural drainage channels if the contractor has disposed of material to them. Final Completion will not be issued until all stormwater facilities have been inspected and approved.

#### G. Open Trenches

MAG Specification Section 601.2.10 is modified to limit the length of open trench to 1100 feet within the project. An open trench includes any longitudinal excavated area 3 inches or more below adjacent land which has settled or been left lower intentionally. All open trenches shall properly marked and protected so as to warn pedestrians and vehicular traffic of a low area.

### **19. RIGHT-OF-ENTRY**

Contractor shall provide to the City, Architect-Engineer, or representative of the Federal, State, County, District and Municipal governmental officials and services, the proper facilities for access to the Work, whenever it is in preparation or progress.

### **20. ACCESS AND DRAINAGE**

The Contractor shall keep a sufficient clear area around fire hydrants to permit their full and effective use in case of fire. The Contractor shall keep natural drainage and watercourses unobstructed by spoil piles, material storage, or any other operations, or provide for other equal courses effectively placed.

### **21. SANITARY CONVENIENCES**

The Contractor shall furnish the necessary sanitary conveniences, properly secluded, for the use of work persons during construction, and these conveniences shall be maintained in a manner that will be inoffensive and in compliance with Federal, State and local health and sanitation requirements.

## 22. CLEANUP PRACTICES

- A. The Contractor shall at all times during the progress of the work maintain a reasonably clean job site, this includes, but is not limited to, keeping signs clean and legible, minimizing mud, rock, and dirt on roadways, and keeping ditches free of trash and construction materials. If in the opinion of the Engineer, excessive dust, mud or debris exists at the job site, the Contractor shall immediately remove said material as directed. All costs associated with this work shall be borne by the Contractor. The location of debris and material stockpiles shall be as directed by the Engineer.
- B. The Contractor shall begin his daily clean-up process at a typical time agreed to by the City at the pre-construction meeting. If the Contractor's operations and daily shut-down exceed a forty hour work week or eight hour day then the City will be entitled to withhold a portion of the Contractor's progress payment for City "overtime" work pursuant to Section 32 and 39, unless authorized by the Engineer.
- C. The site shall be kept clean of trash and debris including but not limited to, loose construction materials, such as sand, cement, lime, wood pieces, building paper, and other miscellaneous paper. All trash and debris shall be placed in an appropriate number of approved containers and moved and disposed of off the site daily in a location where it will not be possible to be dispersed. No burning of trash or debris will be permitted on the site, except where designated by the Engineer. The laydown yard shall have a minimum of one container of appropriate size at all times.

**When site daily clean-up has not been kept up as requested in writing by the City the Contractor shall bring the site into compliance with the City within 24 hours or the City shall withhold \$350 for each day out of compliance.**

- D. Before final payment, the Contractor shall remove all rubbish, excess materials, temporary structures, and equipment. All parts of the work shall be left in a neat and presentable condition. Excess mounds of earth shall be leveled and ruts and depressions filled, such that the completed work is attractive. If in the opinion of the Engineer, the Contractor does not maintain the Construction Site in a safe and clean condition, or does not adequately clean up the site at the completion of the work, or rectify any valid complaints of damage to property resulting from the Construction, the City may clean up or rectify damage and charge the costs thereof to the Contractor.
- E. The Contractor shall be responsible for locating sites and making arrangements for disposal of all material removed from the site. This includes concrete, asphalt, unsuitable or unstable trench material and any other trash, rubbish or debris generated as a result of construction. Asbestos, hazardous substances or materials, hazardous waste or any other regulated substances or materials shall be disposed of in accordance with all applicable federal, state and local regulations.
- F. All vegetation and improvements removed from easements by the Contractor shall be removed or repaired by the Contractor in accordance with the easement agreement with the property owner, the same being done at no additional cost to the City.

## 23. PLANS AND SPECIFICATIONS

- A. The City will provide the Contractor with four (4) sets of plans, drawings, and specifications after the execution of the Contract. If additional plans, drawings, and specifications are required, the Contractor shall compensate the City for it.
- B. When, in the opinion of the City, revised partial plans, drawings and specifications are required to clarify or reflect authorized changes or additional work the City shall provide four (4) copies of such revisions to Contractor. The Contractor must pay for any additional copies. Contractor shall immediately post such revisions to his record set of Contract Documents.
- C. The plans, drawings, and specifications are the property of the City, and are furnished to the Contractor for the construction of Work under the Contract only.
- D. The data given in the specifications and shown on the plans and drawings is believed to be accurate but the accuracy is not guaranteed. The Contractor must confirm all levels, locations, measurements, and verify all dimensions on the job site prior to construction and adapt his Work into the exact limits of construction. Scale measurements taken from plans are only for reference.
- E. Drawings showing the details of the Work specified are designated "plans" or "drawings" and together with the specifications form an integral part of the Contract Documents.

#### **24. CORRELATION OF DOCUMENTS**

- A. Plans, drawings, and specifications are cooperative and supplementary. Portions of the Work, which can best be illustrated by the plans or drawings, may not be included in the specifications and portions best described by the specifications may not be depicted on the plans or drawings. All items necessary or incidental to completely construct or erect the Work specified shall be furnished, whether called for in the specifications or shown on the plans or drawings. Unless otherwise stated the plans and specifications shall be considered to require construction or erect of a complete and operable facility.
- B. Special Conditions shall take priority over Technical Specifications, which shall take priority over General Conditions; large-scale drawings shall take precedence over small-scale drawings. In case of a disagreement between the plans, drawings, and specifications, or within a document itself, the better quality and the greater quantity of work shall be estimated and included in the bid and contract sums and the matter drawn to the City's attention for further decision, and possible issuance of an addendum.

#### **25. SHOP DRAWINGS, SAMPLES, AND OPERATOR'S INSTRUCTION**

- A. The Contractor shall furnish all Shop Drawings and Samples required by the Contract Documents. Shop Drawings of equipment and devices offered by the Contractor for approval of the City shall be in sufficient detail to adequately show construction and operation. The above material shall be submitted to the City for review in electronic format (.pdf and/or .dwg). Shop drawings submitted as herein provided by the Contractor and approved by the City for conformance with the design concept shall be executed in conformity with the Contract Documents unless otherwise required by the City.

- B. Work performed in connection with the fabrication, manufacture, shipment, or purchase of material or equipment prior to approval as specified shall be at the Contractor's sole risk and responsibility.
- C. Shop Drawings and Samples shall be accompanied by a letter of transmittal indicating that the Contractor has reviewed and approved the submittal. The transmittal shall give a list of the numbers and dates of the submittal, and shall be in the form required by the City. Any re-submittals shall show numbers and dates of previous submittals. Shop Drawings shall be complete in every respect and bound in sets.
- D. The Contractor shall submit all Shop Drawings and Samples (submittals) sufficiently in advance of construction requirements to allow ample time for checking, correcting, resubmitting, and rechecking to avoid any delay in progress of the Work. In no case however shall this time be less than five (5) working days without the consent of the Engineer. In the case of submittals for pump installations and similarly complex equipment the minimum timeframe shall be twenty (20) working days. This timeframe shall also apply to resubmittals. If more than five (5) submittals are made in a week the minimum City review time shall be extended by five (5) days for each submittal. The Contractor shall be solely responsible for delays and costs related to resubmittals or untimely submittals.
- E. Shop Drawings or Samples submitted shall be marked with the name of the Project, numbered, and bear the stamp of approval of the Contractor as evidence that the Shop Drawings and Samples have been checked by the Contractor. Any shop drawings or samples submitted without this stamp of approval shall not be considered and shall be returned to the Contractor for resubmission. If the Shop Drawings or Samples show variation from the requirements of the Contract, the Contractor shall call such variation to the City's attention in his letter of transmittal in order that, if acceptable and City gives written approval to the variation, suitable action may be taken for proper adjustment.
- F. By approving and submitting shop drawings and samples, the Contractor thereby represents that he has determined and verified all field dimensions and measurements, field construction criteria, materials, catalog numbers, and similar data, and that he has checked, and coordinated such submittals with the requirements of the Work and the Contract Documents.
- G. If a Shop Drawing or Sample, as submitted, indicates a departure from the Contract requirements which the City finds to be in the interest of the City and to be so minor as not to involve a change in the contract price or time for performance, it may approve the Drawings or Samples; provided, however, such departure is slight in nature and does not affect the design concept of the Work.
- H. All items of standard equipment shall be the latest model at time of delivery.
- I. When Shop Drawings are submitted for the purpose of showing the installation in greater detail, their approval shall not excuse the Contractor from requirements shown on the plans and specifications.
- J. Shop Drawing and Sample submittals not conforming completely with the above requirements shall be returned to the Contractor, without action, for re-submittal and the resulting delay shall be entirely the responsibility of the Contractor.

- K. The City's check and approval of Shop Drawings and Samples, specifications, and descriptive literature submitted by the Contractor shall be only for general conformance with design concept, as otherwise provided, and shall not be construed as:
1. Permitting any departure from the Contract requirements;
  2. Relieving the Contractor of the responsibility for any error in details, dimensions, or otherwise that may exist in such submittals;
  3. Constituting a blanket approval of dimensions, quantities, or details of the material or equipment shown; or
  4. Approving departures from additional details or instruction previously furnished by the City. Such check or approval shall not relieve the Contractor of the full responsibility of meeting all of the requirements of the Contract Documents.
- L. One (1) electronic copy and four (4) sets of bound operator's instructions and maintenance manuals shall be furnished by the Contractor for equipment furnished under the Contract that is specially listed or that is considered to be of a special or complex nature. Operator's instruction and maintenance manuals shall include, in part, detailed lubrication drawings showing type and frequency of lubrication. Detailed parts drawings shall show location, name and catalog numbers of parts.
- M. One (1) electronic copy and four (4) sets each of bound service parts manuals shall be furnished by the Contractor for all items of standard manufacture.
- N. All operator instructions, maintenance, and parts manuals shall be bound in permanent binders satisfactory to the City and shall be furnished to the City before final acceptance of the installation by the City.
- O. Four (4) copies of any manufacturer's guaranty/warranty or certificate for any type of material or equipment provided shall be submitted to the City prior to final acceptance of the Work by the City.

## **26. DRAWINGS SHOWING CHANGES DURING CONSTRUCTION**

Throughout the progress of construction, the Contractor shall maintain a careful up-to-date record of all changes on the plans and drawings during actual construction. *With each progress payment invoice the Contractor shall provide a "Status As-Built" showing all work completed to date.* Callouts will identify type, size and quantity of each item installed. The Contractor shall annotate all sewer taps stationing upstream to downstream using swing ties from adjacent manholes or other method the Engineer may approve in writing. Upon completion of Work, and prior to acceptance by the City, the Contractor shall file with the City one set of complete contract drawings with all changes and Contractor's field construction notes neatly and legibly recorded thereon. Such drawings shall include but not be limited to, the exact routing and clearances, if changed from drawing location, of sewer, water, gas, oxygen supply, condenser water lines, fuel oil tanks and lines, fire protection lines, and any other major buried utility lines and routing of buried electrical feeder lines and changes to routing of conduit runs which are buried or concealed in concrete slabs. The Contractor shall furnish such As-Built utility and drainage invert and rim elevations as well as gutter, top of curb shots and horizontal location of valves and hydrants placed as a part of this construction. This information is for use by the City in the preparation of record "As-Built" Drawings. Curb and gutter shots shall be spaced no

further than 50 feet apart and shall include any significant bends, drops or other deviations from a straight horizontal or vertical alignment.

## **27. MATERIALS, EQUIPMENT, SUPPLIES, SERVICES, AND FACILITIES**

- A. It is understood that, except as otherwise specifically stated in the Contract Documents, the Contractor shall provide and pay for all materials, equipment rental, water, heat, light, fuel, power, transportation, superintendence, temporary construction of every nature, and all other services and facilities of every nature whatsoever necessary to execute, complete, and deliver the Work in a workman like manner within specified time.
- B. No materials, equipment, or supplies for the Work shall be purchased by the Contractor or by any Subcontractor subject to any chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller.
- C. Equipment shall be properly equipped with safety devices including but not limited to spark arrestors, back up alarms, reflectors, signage, labeling, and lights.
- D. At least one (1) set of all appropriate Material Safety Data Sheets shall be maintained in a common location on the project site at an identified location during all working hours.

## **28. WORKMANSHIP, MATERIALS, AND EQUIPMENT**

- A. All material and equipment furnished by the Contractor shall be new and unused and shall strictly conform to the Contract Documents. Competent labor, mechanics and tradesmen shall be used on the Work. Experienced manufacturer's representatives shall be used to supervise the installation of equipment as may be required by the City. Any special tools or equipment, which may be required, shall be provided by the Contractor.
- B. The acceptance at any time of materials or equipment by or on behalf of the City shall not be a bar to future rejection if they are subsequently found to be defective, inferior in quality or uniformity to the material or equipment specified, or are not as represented to the City.

## **29. QUALITY OF MATERIALS IN ABSENCE OF DETAILED SPECIFICATIONS**

- A. Where the Contract requires that materials or equipment be provided or that construction work be performed, and detailed specifications of such materials, equipment or construction work are not set forth, the Contractor shall perform the work using materials and equipment as described in the specifications. Constructed or installed as described therein, and shall follow standard practices in the performance of construction work. The work performed shall be in conformity and harmony with the intent to secure a good, serviceable standard of construction.
- B. All tests and re-tests unless otherwise provided, shall be in accordance with the pertinent sections of the latest edition of the standards applicable to the material or devices to be tested. A partial list of the principal societies referred to and their Abbreviations follows:

AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
AISC	American Institute of Steel Construction

ANSI	American National Standards Institute
ASTM	American Society of Testing Materials
AWWA	American Water Work Association
CPI	Clay Pipe Institute
CS	Commercial Standards
FS	Federal Specifications
NEC	National Electric Code
TMCA	Tile and Marble Contractors of America

### 30. VARIATIONS FROM ESTIMATED QUANTITIES

When unit prices are utilized in the Contract Documents, it may be reasonably expected that there could be variations in final quantities from the estimated quantities by reason of actual conditions and/or change orders. An adjustment in compensation may be allowed only to the following extent:

- A. For a decrease greater than twenty percent (20%) in either the total cost of the contract or the total cost of a major item and when a reasonable cost analysis supports an increase in the pro rata share of fixed cost chargeable to this item in total, an adjustment in the monies due the Contractor may be made. The total amount, including any adjustment, will not exceed eighty percent (80%) of the original lump sum contract amount or, for a unit price item, the total amount, including adjustment, will not exceed eighty percent (80%) of the original extended unit bid price.
- B. For an increase greater than twenty percent (20%) in either the total cost of the contract or the total cost of a major item, any adjustment made will only apply to that cost in excess of one hundred twenty percent (120%) of the original bidding schedule. If either party presents a reasonable cost analysis that shows a change in the pro rata share of fixed costs chargeable to this item in total, an increase or decrease adjustment may be made. This increase or decrease adjustment will be made on such basis as is necessary to cover a reasonable estimate of cost, plus an allowance, not to exceed ten percent (10%), for overhead and profit.
- C. A major item is an item whose total cost, determined by multiplying the bidding schedule quantity and the contract unit price, is equal to or greater than the amount indicated below. A major item will remain a major item unless it is completely eliminated. Compensation for a completely eliminated major item shall be limited to the amounts indicated, but not to exceed the amount demonstrated by information provided to show the cost impact of the deletion, not including anticipated profit.

Total Contract amount as awarded equal to or greater than (in dollars)	But is less than (in dollars)	A major bid item Shall be equal to or greater than the following amount (in dollars)	If the item is completely eliminated compensation shall be limited to no more than (in dollars)
\$0.00	\$1,000,000	\$50,000 or 10% of the Contract amount as awarded	\$2,000

\$1,000,000	\$5,000,000	5% of the Contract amount as awarded	\$5,000
\$5,000,000	\$20,000,000	2.5% of the Contract amount as awarded	\$7,500

D. For either an increase or decrease in cost, no claim shall be made by the Contractor for any loss of anticipated profits.

### 31. PROGRESS PAYMENTS

- A. When monthly progress payments are authorized, the Contractor shall, on the date determined during the pre-construction meeting, submit to the City an itemized application for payment, supported by “Status As-Builts” and such data substantiating the Contractor's right to payment as the City may require, on forms acceptable to the City. Progress payments shall be made no more than once each calendar month and provided that there are a minimum fifteen (15) calendar days between payments, unless otherwise authorized on a payment-by-payment basis by the City Engineer or City Manager. Progress payments are subject to retainage of ten percent (10%) with possible reduction to five percent (5%) in accordance with the provisions of Arizona Revised Statutes.
- B. The Contractor shall provide to the City at the time of payment, a waiver and release to date from the Contractor and each and every Subcontractor and material supplier whose work or materials are included in the application for payment, evidencing that said Contractor, Subcontractor or material supplier has been paid in full to date.
- C. Unless otherwise provided in the Special Provisions, payment will not be made on account of materials or equipment not incorporated in the work, at the time of a request for payment, but delivered and stored at the site. Similarly, payment will not be made for materials or equipment stored at some other location unless agreed upon in writing. If payment is allowed per the Special Conditions, payment for materials or equipment stored on or off the site shall be conditioned upon submission by the Contractor of bills of sale or such other procedures satisfactory to the City to establish the City's title to such Materials or equipment or otherwise to protect the City's interest, including applicable insurance and transportation to the site for those materials and equipment stored off-site.
- D. The Contractor warrants that title to all materials, supplies, and equipment covered by an application for payment, whether incorporated into the Work or not, shall pass to the City, upon receipt of payment by the Contractor, free and clear of all liens, claims, security interests or encumbrances; and that such materials, supplies or equipment furnished or installed comply with the applicable requirements of the Contract Documents.
- E. The passing of title to the City as herein provided shall not be construed as relieving the Contractor of the sole and complete responsibility for:
1. The care and protection of the materials, supplies, equipment, and Work for which payment has been made.



2. The restoration of any damaged or destroyed Work, materials, supplies or equipment. Such responsibility shall continue until all Work under the Contract has been completed and accepted by the City.
- F. Under no circumstances shall payment constitute a waiver of the City's right to require the Contractor to fulfill all of the terms and conditions of this Contract.
- G. **INVOICE PROCESSING:** The City will not accept inaccurate, illegible, or incomplete invoices (requests for payments). Invoices shall be hard copy, with original signature. Electronic or facsimile signatures are not acceptable on the invoice.
1. The City distributes payments on every other Friday, beginning on 01/09/16 for calendar year 2016, unless holidays dictate otherwise.
  2. The Engineer must receive an acceptable, correct invoice with required supporting documentation not later than close of business on the Wednesday, nine (9) calendar days prior to the expected check distribution day.
  3. For projects longer than sixty (60) calendar days duration, each request for payment shall be accompanied by a progress schedule, effective through the invoice period. The City shall not release a payment until the contractor provides an acceptable, accurate, and updated project schedule.

### **32. PAYMENT WITHHELD**

- A. The City may decline to certify payment on account of subsequently discovered evidence or observations, may nullify the whole or any part of any payment certificate previously issued to such extent as may be necessary to protect the City from loss on account of any one or more of the following:
1. Defective Work not remedied.
  2. A reasonable doubt that the Contract can be completed for the balance then unpaid.
  3. Unsatisfactory prosecution of the Work.
  4. Not maintaining a current project schedule.
  5. Not providing adequate progress payment "Status As-Builts".
  6. Deductions for not conforming to daily clean-up requirements.
  7. Deductions for reimbursement of City overtime inspection.
  8. Liquidated damages payable by the Contractor.
  9. Disputed Work or Materials.
  10. Failure to comply with other material provisions of the Contract.
  11. Third-party claims filed or reasonable evidence that a claim will be filed.
  12. Failure of the Contractor or Subcontractor to make timely payments for labor, equipment, and materials.
  13. Damage to the Owner.

In addition, the City reserves its rights under ARS Sections 32-1129.01 and 34-2211.

- B. When any of the above problems are resolved, payment shall be made for amounts withheld pursuant to Article 31.

### 33. MEASUREMENTS

- A. The itemized Application for Payment will be used by the Engineer as a basis for evaluating requests for payment, except in cases where unit prices have established the basis for payment shall include as a minimum the following items:
1. Separate cost itemizations for mechanical, piping, structural, electrical instrumentation, painting, pre-engineered structures, and architectural finish work.
  2. Separate cost line items, showing both purchase and installed cost, for the major equipment items listed in the bidding schedule.
  3. A separate line item for mobilization not to exceed ten percent (10%) of the total Contract amount. This limitation shall apply even when a bid item for mobilization is shown in the bid schedule, unless the Engineer has assigned a fixed cost for the item. Amounts excess of this limitation shall be included on the final payment.
  4. A separate line item for demobilization, not to exceed one-half of one percent (0.5%) of the total Contract amount. This limitation shall apply even when a bid item for demobilization is shown in the bid schedule, unless the Engineer has assigned a fixed cost for the item. Amount in excess of this limitation shall be included on the final payment.
  5. Separate line items for earthwork, demolition and clearing and grubbing, where appropriate. Measurement and payment for the various items shown by the Contract Drawings and described in the construction Specifications, and comprising the completed work, shall be subject to this Article.
- B. The contractor may subdivide any of the lump sum bid items in the proposal as necessary to identify items per (A) above, however the neither the total bid or the total of any subdivided bid item line shall exceed the total in the bid proposal as awarded.
- C. Payment for each item shall constitute payment in full for the furnishing of all materials, equipment, appurtenances, labor, plant and tools necessary to provide a complete workmanlike, finished, and satisfactory project, as shown by the Contract Drawings and described in the Specifications. Each item shall be completed with all necessary connections, testing, painting and related work accomplished to provide for the satisfactory use and/or operation of the item. No additional payment will be made for work related to each item, unless specifically noted or specified.
- D. No additional payments will be made for work related to any item unless specifically noted and called for in the Bid Proposal. Payment will be made at the unit price or lump sum price bid in the Bid Proposal.
- E. Measurement will be on the completed work in place, with no allowance for waste, and as may be more particularly described in the description of the various items set forth in the Specifications and as shown by the Contract Drawings.
- F. The quantities set forth in the Bid Proposal are used for the purpose of determining the basis of the Award of the Contract, and may be varied by the Engineer to conform to the requirements of the work as set forth in the Contract Drawings, and the Contractor agrees to perform the work on the basis of the prices bid for the items contained in the Bid Proposal regardless of whether or not the items or units are decreased or increased.**

- G. The Engineer shall have the right to order omitted from the Contract any item or a portion of the estimated quantity for any item found unnecessary to the work without violating the Contract or Performance Bond.
- H. Except in cases where unit prices form the basis for payment under the Contract, the Contractor shall, within twenty (20) days of receipt of the notice to proceed, submit a breakdown of the Contract price showing the value assigned to each part of the work including an allowance for profit and overhead. In submitting the breakdown, the Contractor certifies that it is not unbalanced and that the value assigned to each part of the work represents his estimate of the actual cost, including profit and overhead, of performing that part of the work. The breakdown shall be sufficiently detailed to permit its use by the Engineer as one of the bases for evaluating requests for payment.
- H. Mobilization and Demobilization: Payment for Mobilization shall include the cost for setting up Project offices and moving Equipment to the site, storage facilities, obtaining permits, and all other items required to prepare the Project site for commencement of construction activities. Demobilization shall include removal of Contractor's facilities and Equipment, and final cleanup, and all other items required to complete Demobilization.

Payment for mobilization shall be in accordance with Section 901 of ADOT Standard Specifications for Road and Bridge Construction (most current edition), except as modified by this section and General Conditions Section 18, 33, and 66. Retention shall apply to mobilization payments. The first payment for mobilization shall be contingent on providing:

1. A traffic control plan that has been approved by the Engineer
  2. The Storm Water Pollution Control Plan provisions are in place per the SWPPP in the Civil Plans
  3. The Contractor shall have a City of Sedona or ADEQ NOI for stormwater pollution prevention
  4. The Project Sign has been posted
  5. A complete project schedule as required by the General Conditions, Section 9.
- I. Excavation-Generally: The excavation rates shall include the amount for working in such a manner as not to interfere with the stability of adjacent structures and properties, for the costs of all timbering or other support required, for all necessary measures to keep the excavation free from water and sewage whether affected by floods, storms or otherwise, for working space, refilling, consolidating and disposal of surplus material from temporary spoil heaps or disposal as directed by the Engineer. The rate shall apply to the excavation in any material, including rock.

No extra payment will be made if the position of the work as set out will not allow the use of a mechanical plant or necessitates the cartage to temporary spoil heaps of excavated material and the reloading and cartage back for refilling of excavations or disposal.

### **34. PAYMENT, USE OR OCCUPANCY OF WORK**

- A. No progress or final payment, nor any partial or entire use or occupancy of the Work or improvement, nor acceptance thereof, by the City shall be evidence of the performance of the Contract or construed to be acceptance of defective work or improper materials, either

wholly or in part. The Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute.

- B. The City shall have the right to take possession of, use, or occupy any completed or partially completed portions of the Work, notwithstanding the time for completing the entire Work or any portions, may, or may not, have expired. Such taking possession, use or occupancy shall not be deemed an acceptance of any Work until all Work has been completed in accordance with the Contract Documents. If such prior use or occupancy increase the cost, or delays the Work, the Contractor shall be granted such extra compensation or extension of time, or both, as City may determine.
- C. Consent of Surety and endorsement from the insurance carrier or carriers permitting prior occupancy or use of any completed or partially completed portions of the Work by the City shall be secured by the Contractor. Contractor and his Surety and enforcement from the insurance carrier or carriers permitting prior occupancy or use of any completed or partial completed portions of the Work by the City shall be secured by the Contractor. Contractor and his Surety and insurance carrier hereby agree that such consent shall not be unduly withheld.

### **35. CLOSEOUT PROCEDURE**

When the Contractor considers that the Work, or a portion thereof which the City has allowed to be accepted separately, is substantially complete, the Contractor shall prepare a letter stating the work, or a portion of the work, is substantially complete and submit to the City a comprehensive list of items to be completed or corrected. Substantial completion shall not operate to change the contract time to which liquidated damages are applicable. Reduced liquidated damages are chargeable for a project or portions thereof which have separately specified damages, if there are items of work remaining to be performed relative to such work once full substantial completion status has been attained. In such cases the amount of liquidated damages due shall be twenty-five percent (25%) of the unreduced liquidated damage amount stated in the contract, and shall not begin until after the contract completion date.

The Contractor shall proceed promptly to complete and correct items on the list. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. Upon receipt of the Contractor's list, the City will make an inspection to determine whether the Work or designated portion thereof is substantially complete. The City Engineer shall have the sole right to determine if a Work or portion thereof is substantially complete. If the City's inspection discloses any item, whether or not included on the Contractor's list, which is not in accordance with the requirements of the Contract Documents, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the City. The Contractor shall then submit a request for another inspection by the City to determine Substantial Completion. When the Work or designated portion thereof is substantially complete, the City will prepare a certificate of Substantial Completion which shall establish the date of Substantial Completion, shall establish responsibilities of the Contractor and City for security, maintenance, heat, utilities, damage to the Work and insurance, and shall fix a reasonable time within which the Contractor shall finish all items on the list accompanying the Certificate. If the Contractor does not complete the items within the time fixed by the City, the City, upon ten (10) working days notice, shall have the option to complete the uncompleted Work for the Contractor and deduct the cost from any amount due to the Contractor, whether or not the contract completion date has passed.

The Contractor may request a written statement from the City Engineer of what constitutes substantial completion by writing a letter of "Notice Of Intent to Declare Substantial Completion." The letter shall be sent no later than fifteen (15) working days prior to the anticipated date of Substantial Completion. The letter shall state what items the Contractor intends to complete prior to declaring substantial completion and what date substantial completion is anticipated by. The City Engineer shall respond to the letter within ten (10) working days accepting or adding to the list of items to complete prior to substantial completion. The City Engineer's response to the list shall not prevent the City Engineer from amending the list within a reasonable time prior to the anticipated date of substantial completion, or from considering factors not known at the time the response was prepared.

### **36. FINAL PAYMENT**

- A. Prior to receiving final payment, the work shall be completed according to the Contract Documents, as determined by the City. Retention shall be as provided in A.R.S. §34-221. This includes, but is not limited to, submittal of complete as constructed documents.
- B. The acceptance of final payment by the Contractor shall operate as a release to the City of all claims by the Contractor for all things done or furnished in connection with the Contract and for every act and neglect of the City, and others relating to or arising out of the Work under the Contract, except for claims made in writing and still unsettled, and specifically itemized at the time the final payment request is made.
- C. No payment, final or otherwise, shall operate to release the Contractor or his Surety from any obligations under the Contract or under the Performance Bond or Labor and Materials Payment Bond, including, but not necessarily limited to anyone or more of the following:
  - 1. Obligations arising from or relating to latent defects.
  - 2. Faulty or defective work or material, which does not comply with the requirements of the Contract.
  - 3. Failure of the construction, equipment, or fixtures to perform properly in accordance with the requirements of the Contract Documents.
  - 4. Unsettled claims.
  - 5. Claims for non-payment of laborers, mechanics, material men, or suppliers, or for equipment used or rented.
  - 6. Claims under the maintenance requirements of the Contract Documents or any special warranties provided for in the Contract Documents.

### **37. SUPERVISION BY CONTRACTOR**

- A. The Contractor or his designated representative will be required to give personal attention to the fulfillment of this Contract and to keep the work under control and in accordance with the Schedule for Completion. The contractor shall provide a competent Representative with full authority to receive and execute such instructions, orders or directions as the Engineer, or his agents or representatives may issue in connection with the Contract.

The Contractor will supervise and direct the work at all times. He has the obligation to determine the means, methods, techniques, sequences and procedures of construction, except in those instances where the City, to define the quality of an item of work, specifies in the

Contract a means, method, technique, sequence or procedure for construction of that item of work. The Contractor shall be responsible to perform the Work so that the quality of the Work conforms to the plans and the specifications while in progress and as finally completed.

- B. Instructions and information given by the City, Engineer, or his agents or representatives to the Contractor's representative on the work shall be considered as having been given to the Contractor. Before any work is done at the job site, the Contractor shall give written notice to the Engineer stating the name, home address and telephone number of the Contractor's representative. The Contractor shall also inform the Engineer in writing prior to any change of representative. A statement naming more than one person to be in charge depending upon which one is present at the time will not be acceptable.
- C. The Contractor shall file with the Engineer the names, addresses, and telephone numbers of representatives who can be contacted at any time in case of emergency. These representatives must be fully authorized and equipped to correct unsafe or excessively inconvenient conditions immediately on order of the Engineer.
- D. The Contractor shall pay and cause his Subcontractors to pay any and all accounts for labor, services, equipment, and materials used by the Contractor and his Subcontractors during the performance of work under this Contract, including all applicable taxes and insurance. Such accounts shall be paid as they become due and payable within the time limits set forth by law. The Contractor shall furnish proof of payment of such accounts to the City.
- E. **The plan or method of work suggested by the City or the Engineer to the Contractor but not specified or required, if adopted or followed by the Contractor in whole or in part, shall be used at the risk and responsibility of the Contractor. The City and the Engineer assume no responsibility therefore and in no way will be held liable for any defects in the work which may result from or be caused by the use of such plan or method of work.**

### 38. WEATHER

- A. During periods when weather or other conditions are unfavorable for construction, the Contractor shall pursue only such portions of the work as shall not be damaged thereby. No portions of the work where acceptable quality or efficiency will be affected by unfavorable conditions shall be constructed while those conditions exist. It is expressly understood and agreed by and between the Contractor and the City that the Contract time for completion of the work described herein is a reasonable time taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.
- B. The Contractor shall not be assessed liquidated damages, nor the cost of engineering and inspection during any delay in the completion of work caused by Acts of God, acts of the public enemy, acts of a public agency or owner, or a utility to provide for removal or relocation of existing utilities, unless such delay is caused in whole or in part by Contractor or any of its Subcontractors.
- C. A rain, windstorm, high water or other natural phenomena for the specific locality of the work, which might reasonably have been anticipated from historical records of the general

locality of the work, shall not be construed as abnormal. It is hereby agreed that rainfall greater than the following cannot be reasonably anticipated:

1. Daily rainfall equal to, or greater than, one inch during a month when the monthly rainfall exceeds the normal monthly average by fifteen percent or more.
2. Daily rainfall equal to, or greater than one and one-half (1-1/2) inch at any time.

Rainfall data shall be collected at the job site by the Contractor.

### **39. OVERTIME**

Any Work necessary to be performed after regular working hours, on Sundays, or legal holidays, shall be performed without additional expense to the City unless otherwise provided in the Contract Documents.

The Contractor is responsible for completing his work activities within regular working hours. Should the Contractor elect to run his crews more than a typical 10-hour day, he may elect to with prior coordination with the City. Any inspection, which is required beyond the City of Sedona's Standard 10-hour work day due to extended work hours or late daily cleanup, is subject to a withholding by the City from the Contractor's progress payment for the cost of the overtime inspection during that period. The amount withheld shall be itemized by person and reflect any overtime premiums paid.

### **40. INDEMNIFICATION**

A. To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the City, its agents, officers, officials and employees from and against all tortuous claims, damages, losses and expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work, and/or services of the Contractor, its agents, employees or any tier of Contractor's subcontractors in the performance of this Contract. Contractor's duty to defend, hold harmless and indemnify the City, its agents, officers, officials and employees shall arise in connection with any tortuous claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting there from, caused by Contractor's acts, errors, mistakes, omissions, work or services in the performance of this Contract including any employee of the Contractor, any tier of Contractor's subcontractor or any other person for whose acts, errors, mistakes, omissions, work or services the Contractor may be legally liable. The Contractor shall, with respect to all work which is covered by or incidental to this Contract, indemnify and hold the City, Engineering Dept., all officers, employees, attorneys, agents of the City and the City Engineer, harmless from and against all of the following made by any person or entity not a party to this Agreement:

1. Any claim, liability, loss, damage, costs, expenses, including reasonable attorneys' fees, expert witness fees, court costs and other expenses of litigation, awards, fines, or judgments, arising by reason of the death or bodily injury to persons, injury to property, design defects (if design originated by Contractor only) or other loss, damage or expense, including any of the same resulting from any alleged or actual negligent or intentional acts or omissions of the Contractor, the Subcontractors, or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless

of whether it is caused in part by a party indemnified by this Contract and regardless of whether said acts or omissions of such party are active or passive.

2. Any claim, liability, loss, damage, costs, expenses, including reasonable attorneys' fees, expert witness fees, court costs and other expenses of litigation, awards, fines, or judgments, arising out of any dispute regarding the Contract or any work performed under the Contract.
  3. Any claim, liability, loss, damage, costs, expenses, including reasonable attorneys' fees, expert witness fees, court costs and other expenses of litigation, awards, fines, or judgments, arising out of any dispute regarding the Contract or any work performed under the Contract by any Subcontractor.
  4. Any loss or damage that may happen to the work or any part thereof, and any loss or damage to any of the materials or other property used or employed in performing the work, including any loss or damage during transit or storage of any property or materials, including any property or materials furnished by the City, including reasonable attorneys' fees, awards, fines, or judgments.
- B. However, the Contractor shall not be obligated under this Contract to indemnify the City with respect to the sole negligence or willful misconduct of the City or its agents or employees or Design Engineer.
- C. The indemnity obligations of this Contract shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which otherwise exists by statute or under the common law of the State of Arizona, except those in conflict with the express terms of these General Conditions. The law of comparative negligence, as adopted by the State of Arizona, shall be binding upon the relationship between the parties, except as set forth herein.**
- D. The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

#### **41. ACCIDENT PREVENTION - EMERGENCY - AUTHORITY TO ACT**

**After the Contract Notice to Proceed has been issued through final acceptance of the Contractor's work, it shall be the Contractor's responsibility for protection and safety of the public and workers twenty-four (24) hours a day, seven (7) days a week. This responsibility will also be placed on the Contractor after final acceptance when the Contractor is on site performing any Guaranty/Warranty work.**

Whenever, in the opinion of the Engineer, the Contractor has not taken sufficient precaution for the safety of the public or the protection of the work to be constructed under this Contract, or of adjacent structures or properly, and whenever, in the opinion of the Engineer, an emergency has arisen and immediate action is considered necessary, then the City, with or without notice may provide suitable protection by causing work to be done and materials to be furnished and placed. The cost of such work and materials shall be borne by the Contractor, and if the same is not paid on presentation of the bills, such costs will be deducted from any amounts due or to become due to the Contractor. The performance of such emergency work shall not relieve the Contractor of responsibility for any damage that may occur.



## **42. PROTECTION OF WORK**

The Contractor, at no additional expense to City, shall at all times safely guard and protect his own Work; provide, erect, and maintain suitable barriers around all improvements, work areas, excavations, or obstructions to prevent accidents; and provide, place, and maintain during the night sufficient lights, signals, and signs for this purpose on or near the Work. The Contractor shall at all times, until its completion and final acceptance, protect his Work apparatus, equipment, and material from accidental or any other damage; and make good any damages thus occurring at no additional cost to the City.

## **43. PROTECTION OF PROPERTY**

- A. The Contractor, at no additional expense to the City, shall at all times (1) safely guard the City's property and abutting or adjacent property from injury, loss, or damage in connection with the Contract; (2) protect by false work, braces, shoring, or other effective means all buildings, foundations, walls, fences, property pins and other property along his line of Work, or affected directly by his Work, including, but not limited to the City's property, against damage; (3) cover or otherwise protect stockpiles of materials to avoid damage to any property from such materials; and/or (4) repair, replace, or make good any such damage, loss or injury, unless such is caused directly by the City or his duly authorized representatives.
- B. The Contractor shall exercise care to protect from injury all water lines, sanitary sewer lines, gas mains, telephone cables, electric cables, services pipes, and other utilities or fixtures which may be encountered during the progress of the Work. All utilities and other service facilities or fixtures if damaged, shall be repaired by the Contractor without additional compensation.
- C. The Contractor shall personally check and verify utility information on the plans. Where existing utilities or structures are shown on the plans or drawings, they are believed to be accurate but are not guaranteed to be such or that these are the only utilities or structures in the construction area. Protection is completely the responsibility of the Contractor and he must satisfy himself as to the existence and location of all utilities and structures.
- D. The Contractor shall give written notice of at least forty-eight (48) hours before breaking ground, to all persons, superintendents, inspectors, or those otherwise in charge of property, streets, water, gas, or sewer pipes, telephone or electrical cables, railroads, or otherwise who may be affected by the Contractor's operation in order that they may remove any obstruction for which they are responsible and have a representative on the site to see that their property is properly protected.

## **44. PROTECTION OF PERSONS**

- A. The Contractor shall:
  - 1. At all times protect the lives and health of his employees under the Contract.
  - 2. Take all necessary precautions for the safety of all persons on or in the vicinity of the Work site.
  - 3. Comply with all applicable provisions of Federal, State, and Municipal safety laws and building codes.

4. Comply with all pertinent provisions of the "Manual of Accident Prevention on Construction" issued by the Associated General Contractors of America, Inc., latest edition, to prevent accidents or injury to persons, on, or adjacent to the premises where the Work is being performed. The Contractor shall erect and properly maintain at all times, as required by the conditions and progress of the Work, all necessary safeguards for the protection of persons and shall post danger signs warning against the hazards created by such features of construction as protruding nails, rod hoists, well holes, elevator hatchways, scaffolding, window openings, stairways, and falling materials; and he shall designate a responsible member of his organization on the Work site whose duty shall be the prevention of accidents.
- B. The Contractor shall comply with all provisions of the "Occupational Safety and Health Act" (OSHA), including any amendments thereto and rules and regulations issued pursuant thereto, applicable to the Work and performance of the Contract. Whereas state in which Work is performed has passed legislation bearing on Occupational Safety and Health, such legislation and amendments thereto, together with rules and regulations issued pursuant thereto shall be complied with by the Contractor.

#### **45. POTENTIALLY DANGEROUS WORK**

- A. When the use of explosives, driving, or removal of piles, wrecking, excavation Work or other similarly potentially dangerous Work is necessary for the prosecution of the Work, the Contractor shall exercise the utmost care so as not to endanger life or property. The Contractor shall be fully responsible for any and all damages, claims, and for the defense of any actions against the City resulting from the prosecution of such Work in connection with or arising out of the Contract.
- B. The Contractor shall notify each private and public utility company or other owner of property having structures or improvements in proximity to the site of the Work, of his intent to perform potentially dangerous Work. Such notice shall be given sufficiently in advance to enable the companies or the owners of property to take such steps as they may deem necessary to relieve the Contractor of responsibility for all damages, claims, or the defense of any actions against the City resulting from the performance of such Work in connection with or arising out of the Contract.
- C. All explosives shall be stored in a secure manner and all storage places shall be marked clearly "EXPLOSIVES-KEEP OUT", and shall be in the care of competent watchmen at all times. Blasting Permits must be obtained from the Sedona-Oak Creek Fire District, 2860 Southwest Drive, Sedona, AZ 86336 (602) 282-6800.
- D. If blasting is required, building inspection reports must be conducted for properties within 150-feet of the proposed blasting area. For affected structures that are to remain after the construction, the report shall consider and document the existing structural and architectural condition of those structures. The intent of this report is to document the condition of such structures before construction, obtain agreement with the property owner, and use for comparison purposes after construction is completed, to ensure the structure was not damaged from construction activities. Blasting will only be considered if rock excavating equipment equal to or better than that provided by "drum-cutters" (see [www.drumcutters.com](http://www.drumcutters.com)), would not be effective for excavation.

#### **46. PATENTS, COPYRIGHTS, AND ROYALTIES**

- A. The Contractor shall assume all costs arising from the use of any patented article, material, device, equipment or process used or furnished by him in connection with, or incorporated in the Project. The Contractor shall save, and hold harmless the City and all officers and agents thereof from all damages, costs and expenses in law or equity (including attorneys' fees, expert witness fees, court costs, and other expenses of litigation) that may come at any time, arise or be set up by reason of any infringement or alleged infringement of any patent rights as a consequence of the installation or use of any such article, material, device, equipment or process in or about the Project. The Performance Bond required by Arizona Revised Statutes Section 34-221 shall be deemed to apply expressly to this provision of the Contract.
- B. Should the Contractor, his agent, employer or any of them be enjoined from furnishing or using any invention, article, material or plans supplied or required to be supplied or used under this Contract, the Contractor shall promptly pay such royalties and secure the requisite licenses; or, subject to acceptance by the City, substitute other articles, materials or appliances in lieu thereof which are of equal efficiency, quality, finish, suitability and market value to those planned or required under the Contract. Descriptive information of these substitutions shall be submitted to the Engineer for determination of general conformance to the Design concept and the Construction Contract. Should the City elect to refuse a substitution, the Contractor agrees to pay such royalties and secure such valid licenses as may be requisite for the City, his representatives, agents and employees or any of them, to use such invention, article, material or appliance without being disturbed or in any way interfered with by any proceeding in law or in equity on account thereof.

#### **47. CHANGE ORDERS FOR CHANGED OR EXTRA WORK**

- A. The City reserves the right at any time during the progress of the Work to make necessary alterations of, deviations from, additions to, or deletions from the Contract, or may require the performance of extra Work neither covered by the specifications nor included in the Proposal, but forming a part of the Work contracted for; provided however, the Contractor shall not proceed with any such change or extra Work without a written Change Order approved by the City. Until a resolution is reached by the City and the Contractor, the Contractor is to continue work on the project. Additional time may or may not be added to the projected (and approved) contract end date. Such changes or extra Work shall in no way injuriously affect or invalidate the Contract or the Contractor's bond, but the difference in cost shall be added to or deducted from the amount of the Contract, as the case may be. Adjustments, if any, in the amounts to be paid to the Contractor by reason of any such change or extra work shall be determined by one of the following methods in the order as listed:
  - 1. Method A Unit prices contained in the Contract Documents for the same type or class of work.
  - 2. Method B By an acceptable unit price proposal from the Contractor.
  - 3. Method C By an acceptable lump sum price proposal from the Contractor.
  - 4. Method D If neither Method "B" or "C" can be agreed upon before the change or extra work is started, then the Contractor shall be paid the "actual field cost" of the work plus eighteen percent (18%) or twelve percent (12%) as stated herein below.

- B. Whenever any change or extra work is to be done, for which unit prices for the same type or class of work are contained in the Contract Documents, such work shall be done and shall be measured and paid for pursuant to Method A herein above set forth and the other applicable portions of the Contract Documents, subject to Article 30 of the General Conditions. Full compensation for taxes, overhead and other costs shall be considered as included in the unit prices bid.
- C. Methods B and C shall include an itemized cost breakdown including overhead and profit. In determining the amount payable to the Contractor, an additional five percent (5%) may be added to the amount payable to a Subcontractor, but no "pyramiding" or additional percentage shall be authorized for any work done by a Subcontractor. This percentage may be increased to seven percent (7%) if the Contractor provides proof that it is paying transaction taxes for the subcontractor. The subcontractor percentage shall be considered as compensation for taxes paid on the subcontracted work, and any other costs or profit associated the subcontracted work. The taxes shall not be separately shown as a cost in the amount to which the seven percent (7%) is applied. Full compensation for taxes, overhead and other costs shall be considered as included in the unit price or lump sum price accepted whether such items are explicitly itemized or not.
- D. When any change or extra work is performed under "Method D", the term "actual field cost" of such change or extra work is hereby defined to be and shall include:
1. The actual wages paid to all the Contractor's workmen such as foremen, equipment operators, mechanics, and laborers, for the time actually performing the change or extra work. Superintendents are considered as compensated for in the overhead.
  2. All of the Contractor's materials and supplies incorporated in the change or extra work, unless the total cost for a particular material or supply is less than twenty dollars (\$20). Materials and supplies with a total cost of less than twenty dollars (\$20) will be considered as compensated for in the overhead and profit allowance.
  3. All machinery and equipment for the time actually employed or used in the performance of the changed or extra work shall be based on the submitted and approved schedule of equipment rates, unless the hourly cost for the machinery or equipment is less than twenty-five dollars (\$25.00) per hour or one hundred fifty dollars (\$150) per day. Items with rates less than twenty-five dollars (\$25.00) per hour or one hundred fifty (\$150) per day will be considered as compensated for in the overhead and profit allowance. The contractor shall submit machinery and equipment rates for approval prior to Start of Construction.
  4. Any transportation charges necessarily incurred in connection with any equipment authorized by the City for use on said change or extra work, but which is not already on site provided the transportation cost exceeds twenty-five dollars (\$25.00).
  5. All power, fuel, lubricants, water, and similar operating expenses as well as other expendable materials.
  6. Incidental expenses incurred as a direct result of such change or extra work, including payroll taxes and a pro rata portion of premium in the Performance Bond and Labor and Materials Payment Bond, and where the premiums therefore are based on payroll costs, on Public Liability and Property Damage insurance, Workmen's Compensation insurance, and Occupational Disease Disability insurance, Builder's Risk, and other insurance required by the Contract. **In order to be allowed these amounts shall be provided in writing when submitting the first request for a progress payment. These amounts**

**payable by the City shall not change for the duration of the contract. The twelve percent (12%) mark-up shall not apply to these items.**

7. No repairs, replacements, or other forms of overhead expense shall be included in "actual field costs".
  8. The Engineer may adjust the amount due under this method based upon a reasonable estimate of the actual cost of performing deleted work in the case of a change in work method or work material. In this case the amount due shall be the difference between the estimated cost to perform work per the original method based on conditions known at the time of the change to the extent such conditions are not the basis for a change, and the method proposed to be used plus the unit bid price for the original method.
- E. The Engineer may direct the form in which the accounts of the actual field costs shall be kept and may also specify in writing, before the work commences, the method of doing the work and the type and kind of machinery and equipment, if required, which shall be used in the performance of any change or extra work under method "D". In the event that machinery and heavy construction equipment are required for such change or extra work, the authorization and basis of payment for the use thereof shall be stipulated in the written Change Order.
- F. The twelve percent (12%) or eighteen percent (18%) of the "actual field cost" to be paid to the Contractor shall cover and be full compensation for the Contractor's profits, overhead, superintendence, and field and home office expense, and all other elements of cost not embraced within the "actual field cost" as defined herein. Eighteen percent (18%) shall be payable for Contractor costs for that portion of total change orders less than or equal to thirty thousand dollars (\$30,000). For that portion exceeding thirty thousand dollars (\$30,000) the twelve percent (12%) factor shall be applied to Contractor costs. In determining the amount payable to the Contractor, an additional percentage per C above may be added to the amount payable to a Subcontractor, but no "Pyramiding" or additional percentage shall be authorized for any work done by Subcontractors.
- G. No claim for any change or extra work of any kind shall be allowed unless the work is ordered and approved in writing by the City in the form of a Change Order.
- H. No anticipated profits shall be allowed for work deleted.
- I. If the City has work accomplished by other sources due the Contractor's failure to perform required work it may deduct an additional five hundred dollars (\$500) or five percent (5%) of the cost of accomplishing the work, whichever is greater, in addition to the cost of accomplishing the work using other sources. The City shall consider this additional amount as compensation for overhead and administration.
- J. The Contractor shall furnish satisfactory bills, payrolls, and vouchers covering all items of cost and when requested by the City, give the City access to accounts relating thereto.
- K. Any Change or extra work shall be considered a part of the Contract, subject to all of its terms, conditions, stipulations, review, guaranties, and tests may be performed without notice to the surety on the Contractor's bond. The Contractor and surety hereby agree to these provisions.
- L. The following language shall apply to all change orders:

“THIS CHANGE ORDER CONSTITUTES FULL, FINAL, AND COMPLETE COMPENSATION TO THE CONTRACTOR FOR ALL COSTS, EXPENSES, OVERHEAD, PROFIT, AND ANY DAMAGES OF EVERY KIND THAT THE CONTRACTOR MAY INCUR IN CONNECTION WITH THE WORK DESCRIBED IN THIS CHANGE ORDER, INCLUDING ANY IMPACT ON THE DESCRIBED WORK OR ON ANY OTHER WORK UNDER THE CONTRACT, ANY CHANGES IN THE SEQUENCES OF ANY WORK, ANY DELAY TO ANY WORK, ANY DISRUPTION OF ANY WORK, ANY RESCHEDULING OF ANY WORK, AND ANY OTHER EFFECT ON ANY OF THE WORK UNDER THIS CONTRACT. BY THE EXECUTION OF THIS CHANGE ORDER, THE CONTRACTOR ACCEPTS THE CONTRACT PRICE CHANGE AND THE CONTRACT COMPLETION DATE CHANGE, IF ANY, AND EXPRESSLY WAIVES ANY CLAIMS FOR ANY ADDITIONAL COMPENSATION, DAMAGES OR TIME EXTENSIONS, IN CONNECTION WITH THE DESCRIBED WORK.”

- M. The Contractor shall not be entitled to adjustments in contract price or contract time related to submittal of any cost estimates.

#### **48. PROCEDURE FOR REQUESTING CHANGE ORDERS –EXTRA**

- A. In case any instructions, either oral or written, appear to the Contractor to involve a change or extra work for which, in his opinion, he should receive extra compensation, he shall make a written request to the Engineer for a written Change Order authorizing such change or extra work. Should a difference of opinion arise as to what does or does not constitute a change or extra work, or concerning the payment thereof, and the City insists on conformance, the Contractor shall proceed with the work after presenting written notice of claim for extra cost to the City and shall keep an accurate account of the "actual field cost" thereof as provided for in Method "D" under "Changed or Extra Work". The Contractor shall thereby not waive any right he might have to compensation for the claimed "extra cost" in connection with a change or extra work. The matter shall be submitted to the City for final determination as to whether or not a change or extra work was involved, and if so, the amount due to the Contractor.
- B. Any claims for extra cost pursuant to this section, together with supporting documents and receipts, must be filed within ten (10) consecutive calendar days after performing the work for which extra cost is claimed. The City shall have the right to reject any claim for extra cost if the foregoing procedure is not followed.
- C. In giving instructions, the Engineer shall have the authority to make minor changes that do not involve extra cost or time of performance and are not inconsistent with the design concept and purposes of the contracted work; but otherwise, except in an emergency endangering life or property, no change or extra work shall be performed unless authorized by a written "Change Order" approved by the City Council or its designee in accordance with the City Code, and no claim for extra cost shall be valid unless so approved, except as otherwise provided herein.

#### **49. PROCEDURE FOR REQUESTING CHANGE ORDERS--EXTRA TIME**

- A. The Contract time may be changed only by a change order either alone or in conjunction with other changes. Any claim for an extension of Contract time shall be based on written notice delivered to the Engineer within seven days of the occurrence of the event giving rise to the

claim. Notice of the extent of the claim with supporting data shall be delivered within forty-five days of such occurrence unless Engineer allows an additional period of time to ascertain more accurate data. Notice of the extent of the claim must state the cause of the delay, the date of occurrence causing the delay, and the amount of additional time requested. Requests for extensions of time shall be supported by all evidence reasonably available or known to the Contractor, which would support the extension of time requested. If the Contractor is requesting an extension of time because of weather, he shall supply daily written reports to the Engineer describing such weather and the work which could not be performed that day because of such weather or conditions resulting there from and which he otherwise would have performed. The Engineer's acceptance of the daily reports shall not be deemed an admission of the Contractor's right to receive an extension of time or waiver of the City's right to strictly enforce the time provisions contained in the Contract Documents. Requests for extensions of time failing to include the information specified in this Article and requests for extension of time which are not received within the time specified above shall result in the forfeiture of the Contractor's right to receive any extension of time requested. Any change in the Contract time resulting from any such claim shall be incorporated in a change order. The percentages specified in Section 38 and 47 G above shall be considered to include full compensation for each day or portion thereof of extra time.

- B. The Contract time will be extended in an amount equal to time loss due to delays beyond the control of Contractor if a claim is made there for as provided in paragraph A. Such delays shall include, but not be limited to, acts or neglect by City or others performing additional work, or to fires, floods, labor disputes, epidemics, abnormal weather conditions, or act of God. No extension of the Contract time will be granted where the delay is attributable to a Subcontractor, manufacturer, fabricator, supplier or distributor or any other party performing services or furnishing material or equipment on behalf of the Contractor unless such party's delay is attributable to one of the above enumerated causes. Time limits concerning substantial completion and final completion as stated in the Contract Documents are of the essence.
- C. An extension of time may be granted by the City after the expiration of the time originally fixed in the Agreement or as previously extended, and the extension so granted shall be deemed to commence and be effective from the date of such expiration. However, such extension shall not be deemed to be a release of any of the City's rights under the Contract Document unless expressly stated as such.

## **50. DIFFERING SITE CONDITIONS**

If conditions or objects are encountered at the site which are (1) sub-surface or otherwise concealed and which differ materially and substantially from those indicated or anticipated in the Contract Documents or (2) are of an unusual nature, which differ materially and substantially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, then notice, in writing, by the Contractor shall be given to the City promptly before conditions are disturbed and in no event later than 24 hours after first observance of the conditions. The City shall promptly investigate such conditions and, if they differ materially and substantially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the work, shall provide an equitable adjustment in the Contract Amount or Contract Period, or both as per Sections 47 through 49 of these General Conditions. If the City determines that the conditions at the site are not materially and substantially different from those indicated in the Contract

Documents and that no change in the terms of the Contract is justified, the City shall so notify the Contractor in writing, stating the reasons. No claim by the Contractor for an equitable adjustment shall be allowed if asserted after final payment has been made under this agreement. Weather, and the effects of weather on surroundings, surface, or subsurface are to be anticipated and do not constitute a differing condition. No contract change, which results in a benefit to the Contractor, shall be allowed unless the contractor has provided the required written notice. No contract adjustment will be allowed under this section for any effects caused on unchanged work.

## **51. WARRANTY PERIOD**

- A. Besides guarantees required elsewhere, the Contractor shall and hereby does guarantee all work for a period of two (2) years after the date of final acceptance of the work by the City and shall repair and replace any and all work together with any other work, which may be displaced in so doing, that may prove defective in workmanship or materials within the two-year period from the date of final acceptance, without expense whatsoever to the City, ordinary wear and tear and unusual abuse or neglect excepted. If the Contractor is required to repair or replace any portion of the Project pursuant to the two-year guarantee provided by this section, the repair or replacement shall similarly be guaranteed for an additional one-year period from the date of completion of the repair. In the event of failure to comply with the above mentioned conditions, within a week (seven consecutive days) after being notified in writing by the City, the City is hereby authorized to proceed to have the defects repaired and made good at the expense of the Contractor, who hereby agrees to pay the cost and charges therefore immediately upon demand by the City. In case of emergency, where, in the opinion of the City, delay could cause serious loss or damage, repairs may be made without notice being sent to the Contractor and the expenses in connection therewith shall be charged to the Contractor.
- B. The Contractor guarantees to the City that all materials and equipment furnished under this Contract will be new and of good and sufficient quality, free from faults and defects as is necessary to complete the project as required by the plans and specifications.
- C. The City and the Contractor agree that the guarantee on the equipment possessed and used by the City, in accordance with Article 34 of these General Conditions, shall commence on the date that the City takes possession of the equipment and so notifies the Contractor in writing. City and Contractor further agree that such taking possession and use shall not be deemed as acceptance of any part of the work. Take-over of equipment may occur when such equipment can be put into routine service on a permanent basis at City's discretion.

## **52. AUTHORITY OF ENGINEER**

- A. The Engineer shall furnish engineering services during construction of the work to the extent provided in the Contract Documents. He shall observe and review the work in the process of construction or erection. Compliance with the Contract Documents shall be the Contractor's responsibility notwithstanding such observation or review. The Engineer has authority to recommend suspension of the work when it appears such suspension may be necessary to accomplish the proper implementation of the intent of the Contract Documents. The authority to observe, review, or recommend suspension of all or any portion of the work, or exercise such other authority as may be granted by the Contract Documents, shall not be construed or interpreted to mean supervision of construction, which is the Contractor's responsibility, nor make the Engineer responsible for providing a safe place for the performance of work by the



Contractor or by the Contractor's employees or those of suppliers or subcontractors or for access, visits, use, work, travel, or occupancy by any other person. The provisions of MAG Sections 104.1.4 and 104.2.5 as contained in the 2012 edition apply to this contract.

- B. The Engineer shall have authority to reject any or all work, materials, or equipment, which do not conform to the Contract Documents, and to decide technical questions, which arise in the execution of the work. The Engineer shall determine the amount, quality, acceptability, and fitness of the several kinds of work, materials, equipment, and supplies which are to be paid for under the Contract and shall decide all questions which may arise in relation to said work and the construction thereof. The Engineer's estimates and decisions shall be final and conclusive, except as otherwise expressly provided. In case any question shall arise between the parties to the Contract relative to the Contract Documents, the determination or decision of the Engineer shall be a condition precedent to the right of the Contractor to receive any money or payment for work under the Contract affected in any manner or to any extent by such question.

### **53. DECISIONS OF THE CITY**

If the Contractor is not in agreement with any final decision of the Engineer, then he may appeal, in writing, such decisions to the City Manager, who shall within a reasonable time after presentation, make decisions in writing on claims properly made by the Contractor. The appeal shall contain the final decision of the Engineer as an attachment, or in the absence of such final decision a copy of a certified letter sent to the Engineer, at least fifteen (15) working days prior to the appeal, requesting such a final decision in writing. The decision of the City Manager shall be regarded as final.

### **54. TEMPORARY SUSPENSION OF THE WORK**

- A. The City Manager may, upon the recommendation of the Engineer, or by the Manager's own determination, suspend the work.
- B. Should the discovery of a potential archaeological or historic resource occur during construction, the Contractor shall cease work at that site, immediately notify the Engineer, and shall not proceed until instructed to do so by the City. In the event such a suspension of the work occurs, the provisions of Article 49 shall apply to extend the time for final completion of the work.

### **55. AUTHORITY AND DUTIES OF CITY'S FIELD REPRESENTATIVE**

- A. Inspectors may be placed on the work to keep the City informed as to the progress of the work and the manner in which it is being done; to keep records; act as liaison between the Contractor and the City; and to call the attention of the Contractor to any deviations from the Contract Documents. However, failure of the inspector to call the attention of the Contractor to faulty work or deviations from the Contract Documents shall not constitute acceptance of said work.
- B. The inspector cannot control how the material is used; therefore, the responsibility for its safety and proper use shall be the Contractor's. Until the job is finally completed, the Contractor may do work that changes or modifies work previously done, and even though at any given time, a piece of work might be well done and acceptable in quality, the

responsibility for keeping it in that condition until the work is complete is the sole responsibility of the Contractor. For this reason, it is impossible to accept, finally, any portion of a project until the project as a whole is accepted and control of said project is transferred from the Contractor by final official written acceptance by the City.

- C. **Any personal assistance which an inspector may give the Contractor will not be construed as the basis of any assumption of responsibility in any manner, financial or otherwise, by the inspector or the City.**
- D. The inspector is not and does not purport to be a Safety Engineer and is not engaged in that capacity by the City and shall have neither authority nor the responsibility to enforce construction safety laws, rules, regulations, procedures, or the safety of persons on and about the construction site.
- E. The presence or absence of an inspector on any job will be at the sole discretion of the City, and such presence, or absence of an inspector will not relieve the Contractor of his responsibility to obtain the construction results specified in the Contract Documents.
- F. The inspector is not authorized to approve or accept any portion of the work or to issue instructions contrary to the Contract Documents. Approvals, acceptance or instructions, when given, must be in writing and signed by the City. The inspector shall have authority to reject defective materials; however the failure of the inspector to reject defective material or any other work involving deviations from the Contract Documents shall not constitute acceptance of such work.
- G. Nothing in this subsection shall in any way be so construed as to require or to place responsibility for the method, manner or supervision of the performance of the work under this Contract upon the inspector, or the City. Such responsibility rests solely with the Contractor.

## **56. CHARACTER OF WORKERS, METHODS, AND EQUIPMENT**

- A. The Contractor shall at all times employ sufficient skilled labor in accordance with Federal, State and local labor laws; and the proper equipment for completing the project in the manner and time required by the Contract. All equipment, which is proposed to be used on the project, shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the project shall be used such that it will not damage property adjacent to the work area.
- B. Any person employed by the Contractor or any Subcontractor who, in the opinion of the Engineer, does not perform his work in a proper and skillful manner or is intemperate or disorderly shall, at the written request of the Engineer, be removed from the work by the Contractor or Subcontractor employing such person, and shall not be employed again in any portion of the work without the approval of the Engineer. Should the Contractor or Subcontractor fail to remove such person as required above, or fail to furnish suitable and sufficient personnel for the proper prosecution of the work, the Engineer may suspend the work by written notice until such orders by the Engineer are followed by the Contractor. The Contractor or Subcontractor shall hold the City harmless from damages or claims for compensation that may occur in the enforcement of this section.

- C. The City may require submittal of Certified Payrolls at any time from the Contractor showing the employee names, addresses, Social Security Numbers, rates of pay, payments received, payroll deductions, occupational classification(s), and hours per day worked in such classification(s) for work performed on this project by employees. The contractor shall retain such records for the minimum time required by law or three (3) years after project completion, whichever is longer. The Contractor shall also be responsible to produce upon request from the City such payroll records from its subcontractors.

## **57. WARRANTY OF COMPLIANCE WITH STATE AND FEDERAL LAW**

CONTRACTOR understands and acknowledges the applicability to it of the Americans with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989. CONTRACTOR 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 Emps."

- A. Under the provisions of A.R.S. § 41-4401, CONTRACTOR hereby warrants to CITY that CONTRACTOR and each of its subcontractors will comply with, and are contractually obligated to comply with, all Federal Immigration laws and regulations that relate to their employees and A.R.S. § 23-214(A) (hereinafter "Contractor Immigration Warranty").
- B. A breach of the Contractor Immigration Warranty shall constitute a material breach of this contract and shall subject CONTRACTOR to penalties up to and including termination of this contract at the sole discretion of CITY.
- C. CITY retains the legal right to inspect the papers of any contractor or subcontractor employee who works on this contract to ensure that the contractor or subcontractor is complying with the Contractor Immigration Warranty. CONTRACTOR agrees to assist CITY in regard to any such inspections.
- D. CITY may, at its sole discretion, conduct random verification of the employment records of CONTRACTOR and any subcontractors to ensure compliance with Contractor's Immigration Warranty. CONTRACTOR agrees to assist CITY in regard to any random verification performed.
- E. Neither CONTRACTOR nor any subcontractor shall be deemed to have materially breached the Contractor Immigration Warranty if CONTRACTOR or any subcontractor establishes that it has complied with the employment verification provisions prescribed by sections 274A and 274B of the Federal Immigration and Nationality Act and the E-Verify requirements prescribed by A.R.S. § 23-214, Subsection A.
- F. The provisions of this article must be included in any contract that CONTRACTOR enters into with any and all of its subcontractors who provide services under this contract 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.

## **58. QUALITY CONTROL AND TESTING**

- A. The Contractor will support the Testing Company when contracted by the City for Quality Control and testing for specification compliance and assurance.

- B. During the progress, the work shall be subject to the review and observation of the City. The Contractor shall afford every reasonable facility and assistance to the City to make such review. If any work is covered up without approval or consent of the City, it will be uncovered for examination at the Contractor's expense.
- C. The fact that the City is on the job site shall not be taken as an acceptance of the Contractor's work or any part of it. The Contractor shall notify the City upon completion of his Contract, and the work shall be given final construction review by the City, and any tests and re-tests shall be witnessed by the City or his representative. If all parts of the work are acceptable and substantially comply with the intent of the Contract Documents, initial acceptance shall be made by the City. If parts of the work are not acceptable and require additional work or rework by the Contractor to complete the Project, such costs shall be borne by the Contractor.
- D. Contractor shall submit to the City, ten (10) days in advance of construction and without charge, samples or specifications of materials he proposes to use and shall not use these materials until he has received approval from the City.
- E. Contractor shall furnish tests and reports on tests of all materials, equipment and installations called for in the Contract Documents. The testing laboratory must be approved by the City and the Contractor shall pay the cost of the tests, and necessary re-tests, including all transportation charges unless otherwise provided by the Contract Documents.
- F. Required certificates of inspection, testing, or compliance shall be secured by the Contractor and promptly delivered by him to the Engineer. Certificates shall be provided within five (5) working days after the test is conducted. Each report shall indicate compliance with the specifications.
- G. The City reserves the right to perform additional inspections and testing deemed appropriate with their own forces or with outside consultants or testing agencies. Should such inspection or testing reveal work that is not in compliance with Contract Documents, such costs of inspection or testing, and any required rework shall be borne by the Contractor.
- H. Following is a summary of minimum frequency of testing the city shall require. If there are conflicts in the frequency of testing between this Section and the Technical Specifications, the stricter of the two will govern. This list is a partial list of major items of work, if an item is a part of the project and not listed the Contractor shall provide testing for that item. The Contractor shall provide the appropriate tests for the activities a part of the project. The City reserves the right to request a greater frequency for the testing.

The following frequencies are based on a maximum of 8" lifts. When the lifts are greater than 8", the frequency of testing shall increase proportionately with the increased depth of lift.

Activity	Frequency
Roadway Fills	1 each 300 ft per lift
AB Subgrade	1 each 300 ft per lift
AC Pavement	1 each 300 ft per lift
Trench Backfill	1 each 300 ft per lift

Concrete Curb & Gutter	4 cylinders per 50 cy concrete
Concrete Sidewalk	4 cylinders per 50 cy concrete

**59. TERMINATION OF CONTRACT**

- A. The City may, at any time, terminate the Contract at the City’s convenience and without cause. Such termination shall be effective upon receipt by Contractor of written notice from the City of such termination for the City’s convenience. Contractor shall cease operations as directed by the City in the notice of termination and take actions necessary, or that the City may direct, for the protection and preservation of the work. In the event of a termination for convenience, the Contractor shall be paid only the direct value of its completed work and materials supplied as of the date of termination, and Contractor shall not be entitled to anticipated profit or anticipated overhead or any other claim of damages from the City. Further, in the event a termination of the Contractor for cause is determined to have been without legal right, then the termination shall be deemed to have been a termination for convenience.
  
- B. If the Contractor refuses or fails to prosecute the work or any separable part thereof with such diligence as will ensure its completion within the time specified herein, or any extension thereof granted in the manner specified herein, or fails to complete the work within such time, or if the Contractor fails to comply with any written order of the Engineer or the City or fails to timely pay Subcontractors, material, men, or laborers, or if the Contractor should be adjudged bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency, or if he or any of his Subcontractors should violate any of the provisions of the Contract, then the City may serve written notice upon the Contractor and his surety of its intention to terminate the Contract and, unless within ten (10) days after the service of such notice such violations of the Contract cease and satisfactory arrangements for the corrections thereof are made, the Contract shall without further notice, upon the expiration of said ten (10) days or such extensions thereof as may be expressly granted by the City in writing, cease and terminate.
  
- C. In the event of any such termination, the Contract shall be deemed terminated and not rescinded. Following such termination of the Contract, the City will take possession of the Project and of all materials, equipment, tools, construction equipment and machinery thereon owned by the Contractor, and finish the Project by whatever method the City may deem expedient. In such case the Contractor shall not be entitled to receive any further payment until the work is finished, or completion is permanently suspended by the City. If the unpaid balance of the Contract price exceeds the direct and indirect costs of completion of the project, including compensation for additional professional service, including but not limited to fees charged by the City's attorney, such excess shall be paid to the Contractor. If such costs or liquidated or actual damages as provided by this Contract exceed such unpaid balance, the Contractor shall pay the difference to the City. Such additional costs and any liquidated or actual damages due to the City under this Contract will be determined by the City Manager and be submitted to the City Council in the form of a Change Order to the Contract.
  
- D. Any extensions of time granted by Change Order or other extensions granted by the Council do not constitute a waiver of the City's right to terminate the Contract pursuant to this section for the Contractor's failure to complete the Project within the time specified in the Contract

and any authorized extensions thereto, nor do such extensions constitute a waiver of the City's right to collect liquidated damages.

- E. If the work is stopped by order of a court, public authority, or the City for a period of ninety (90) calendar days or more, through no act or fault of the Contractor, anyone employed by such Contractor or his Subcontractors, then the Contractor may terminate the Contract in accordance with these Contract Documents.

## **60. TIME IS OF THE ESSENCE**

It is mutually understood and agreed by and between the parties to the Contract that in the execution of the same, time is an essential element of the Contract, and it is important that the work progress vigorously to completion.

## **61. LIQUIDATED DAMAGES**

For each and every calendar day that work shall remain uncompleted after the time specified for the completion of the work in the Contract, or as adjusted by a change order, the sum per calendar day, as stipulated in the Advertisement for Bids, shall be deducted from any money due or to become due to the Contractor, not as forfeit or penalty, but as liquidated damages. This sum is fixed and agreed upon between the parties because the actual loss to the City and to the public caused by delay in completion will be impractical and extremely difficult to ascertain and determine. It is agreed that the City has made a good faith attempt to estimate the loss caused by any delays and that the estimate is incorporated in the sum, which is agreed to be reasonable. If the City allows the Contractor to complete or attempt to complete the work subsequent to the date of completion specified herein, such action shall not constitute a waiver by the City of the imposition of the liquidated damages provision as specified herein.

## **62. CITY'S REMEDIES CUMULATIVE AND NONWAIVER**

No right or remedy conferred upon or reserved to the City by the Contract shall be considered exclusive of any other remedy or contractual right, but the same shall be distinct, separate, and cumulative, and shall be in addition to every other remedy existing at law or in equity or by statute; and every remedy given by the Contract to the City may be exercised from time to time as often as the occasion may arise, or as may be deemed expedient. No delay or omission on the part of the City to exercise any right or remedy arising from any default on the part of the Contractor shall impair such right or remedy or shall be construed to be a waiver of any such default or an acquiescence thereto, or otherwise affect the right of the City to enforce the same in the event of any subsequent breach or default by the Contractor.

## **63. SEVERABILITY CLAUSE, DISPUTE RESOLUTION, APPLICABLE LAW**

- A. This Contract shall be governed by the laws of the State of Arizona, and venue for any litigation arising out of this Contract shall be in the Superior Court of the State of Arizona in and for the County of Coconino or the County of Yavapai, depending upon the location of the work, if the amount in dispute is in excess of \$5,000.00. If the amount in dispute is less than \$5,000.00, jurisdiction and venue shall lie in the nearest Justice of the Peace Court of the appropriate county. Arbitration shall not be an alternative method of settling disputes unless separately agreed upon in writing by the parties. This Contract shall not be construed to create any contractual relationship of any kind between the Engineering Dept., and the

Contractor or any Subcontractor, or between the City and any Subcontractor. During any dispute arising hereunder, the Contractor shall continue to perform all work in accordance with the Contract Documents. In the event of any dispute arising hereunder, the prevailing party in the resolution of such dispute shall be entitled to recover its attorney's fees and costs incurred.

- B. The provisions of this Contract shall be deemed to be severable, and if any term, phrase or portion of the Contract shall be determined to be unlawful or otherwise unenforceable, the remainder of the Contract shall remain in full force and effect.
- C. Any and all disputes relating to this Contract shall be subject to the provisions of Chapter 3.10 of the Sedona City Code. The City Code can be viewed on the City of Sedona website, as well as, the City Clerk's Office, City Hall, Sedona, Arizona.
- D. Notwithstanding the mediation provisions set forth in Paragraph 62.C above, either party may submit, by demand letter, correspondence or notice, to the other party, any claim, counterclaim, dispute or other matter in question between the Contractor and the City arising out of or relating to this Contract, the Contract Documents, the Plans, the Project or the work, or breach thereof, and such claim, counter claim, dispute or other matter in question shall be subject to and decided by arbitration in accordance with the Rules for Non-Administered Arbitration of Business Disputes (the "Rules") of the Center for Public Resources ("CPR") currently in effect, except as provided herein and except where modified by the provisions hereof.
- E. Any arbitration arising out of this Contract, the Contract Documents, the Plans, the Project or the work, or any breach thereof may include, by consolidation or joinder, or in any other manner, at the discretion of either the Contractor or the City, any other entities or persons whom the Contractor or the City, as the case may be, believes to be substantially involved in a common question of law or fact.
- F. All demands for arbitration and all responses thereto that include any monetary claim, must contain a statement that the total sum or value in controversy as alleged by the party making such demand or response is not more than \$150,000.00 (exclusive of interest and arbitration fees and costs). The arbitrators will not have jurisdiction, power or authority to consider or make findings except the denial of their own jurisdiction concerning any controversy where the amount at issue is more than \$150,000.00 (exclusive of interest and arbitration fees and costs) or to render a monetary award in response thereto against any party which totals more than \$150,000.00 (exclusive of interest and arbitration fees and costs). Notwithstanding the foregoing provisions, the parties may mutually agree to waive the jurisdictional limitations set forth in this sub-paragraph. In the event of such mutual waiver, all other provisions in this sub-paragraph shall apply.
- G. Demand for arbitration shall be filed with the other party in accordance with Rules. A demand for arbitration shall be made within a reasonable time after the claim, dispute, or other matter in question has arisen. In no event shall the demand for arbitration be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter in question could be barred by the applicable statute of limitations.
- H. In the event the amount in controversy is less than \$50,000.00 a sole arbitrator shall be appointed in accordance with Rules. In the event the amount in controversy is \$50,000.00,

the demanding party shall appoint one party-appointed arbitrator in its notice demand for arbitration. The responding party may within ten (10) days, appoint a second party-appointed arbitrator. The party-arbitrators shall appoint a third arbitrator in accordance with the Rules. If the party-arbitrators fail to appoint a third arbitrator, the third arbitrator shall be appointed in accordance with the Rules. If the responding party fails to appoint a second party-appointed arbitrator within the time so provided, selection of the second arbitrator shall be in accordance with the Rules.

- I. The decision of the arbitrators shall be in accordance with laws of the State of Arizona and the United States. The arbitrators shall prepare written findings of fact and conclusions of law upon which the decision and award shall be based. The arbitrators may award compensatory damages and attorneys' fees and costs to the prevailing party. The arbitrators shall have no authority to award consequential damages or punitive damages, and the parties hereby waive any claim to those damages to the fullest extent allowable by law.
- J. The demanding party shall select the locale of arbitration, but shall not choose a location greater than twenty-five (25) miles from the Project site.
- K. This agreement to arbitrate shall be specifically enforceable by either party under the prevailing laws of the State of Arizona and the United States. Any award rendered by the arbitrators shall be final and enforceable by any party to the arbitration, and judgment shall be made upon it in accordance with the applicable laws of any court having jurisdiction thereof. The arbitrators' decision shall be final and conclusive as to the facts. Either party may appeal manifest errors of law to a court of competent jurisdiction within fifteen (15) days of the award.
- L. Unless otherwise agreed in writing, and notwithstanding any other rights or obligations of either of the parties under the Contract, the Contractor and the City shall carry on with the performance of their respective duties, obligations and services hereunder during the pendency of any claim, dispute or other matter in question giving rise to arbitration or mediation, as the case may be. The City shall be under no obligation to make payments to the Contractor on or against such claims, disputes or other matters in question giving rise to arbitration or mediation, during the pendency of such arbitration or mediation or other proceedings to resolve such claims, disputes or other matters in question.

#### **64. POTHOLING REQUIREMENTS**

The Contractor shall pothole all existing utilities 1,000 feet ahead of trenching activities to allow adequate time and distance to allow for the adjustment of grade or location of the construction activities. The contractor shall pothole at least two (2) working days ahead of installing facilities such as manholes, sidewalks, storm drainage inlets, footing, headwalls, and similar non-longitudinal installations. The Contractor shall backfill the pothole after verifying the depth, size and location of the utility. If a potential conflict is encountered, temporarily plating the potholed utility will be allowed for review and coordination of a resolution of the conflict with the City and affected utilities representatives.

The City requests a minimum of five (5) working days notification of a potential conflict for marked utilities. This requirement does not relieve the Contractor of the responsibility to make the City aware of conflicts timely of the Contractor's awareness. If potholing 1,000 feet in advance of trenching activities has not been kept up and a conflict creates down time or delays in



work no extension of time or compensation for down time will be considered for that conflict.

## **65. UNMARKED UTILITY REPAIR**

If in the course of work, a conflicting utility line that was not shown on the plans is discovered, the Contracting Agency will either negotiate with the owner of the Utility for relocation, change the alignment and grade of the trench or roadbed, provide encasement or sleeving, relocate the utility, or as a last resort, declare the conflict as “extra work” to be accomplished by the Contractor in accordance with Section 47 of these General Specifications. In the case of unmarked or incorrectly marked utilities the Contractor shall consider that responsibilities are per Arizona State Statutes Section 40 –360.

The Contractor shall contact the City and utility affected immediately upon damaging or breaking an unmarked utility. If an unmarked utility is found the Contractor shall take every precaution to not damage the utility and work around the conflict with the City and Utility representatives. No interpretation of this provision that changes the responsibility for non-located and improperly located utilities per Arizona State Statutes Section 40 –360 shall be valid.

## **66. UTILITY SEPARATION**

The Contractor shall maintain as a minimum one (1) foot of vertical clearance and three (3) feet of horizontal clearance for all utility crossings. Water/sewer minimum separations will be two (2) feet vertical clear and six (6) feet horizontal clear. If less than one (1) foot but more than six (6) inches clearance is all that can be accommodated concrete encasement shall be provided.

## **67. NOTIFICATION TO RESIDENTS & COMMUNITY RELATIONS**

The Contractor shall inform the residents along the construction area of the proposed work. This notification and community relations shall include, but not necessarily be limited to:

### **A. Mailings**

The Contractor shall prepare a letter for mailing to the residents located adjacent to the project. This mailing will include a description of work to be done, work hours, date's for begin and end construction, Contractor representative contact name and phone number. The cost for the mailings shall be incidental to the project.

### **B. Informational Signage**

The Contractor shall provide and install advance information signs and project information signs before beginning construction to inform the public of the forthcoming project, construction dates, and suggested alternate routes. Sign layout shall be as approved by the Engineer. Signs shall not be constructed or installed prior to approval by the Engineer for the designs, sizes and locations. The Contractor shall maintain the signs as necessary and update the information as requested by the Engineer. The information signs shall be shown on the traffic control plan. The cost for this work shall be included in the unit bid price for Mobilization.

### **C. Meetings**

The Contractor may be requested to attend and participate in a pre-construction public meeting if deemed necessary by the Engineer. Meeting time, location and agenda will be determined by the Engineer. The cost for this meeting if held shall be incidental to the

project.

D. Driveway impact notification

The Contractor shall notify any resident or business of any access restrictions at least 48 hours prior to access restriction. Notification to residents is considered incidental to the projects activities and included in the unit price of the various activities.