



FELIX CONSTRUCTION COMPANY
NEW COG WELL #26 AND RAW WATER TRANSMISSION MAIN
SOLICITATION NUMBER: 18-4334
(PROJECT NUMBER: WA-1719)

DESIGN-BUILD SERVICES AGREEMENT

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Council

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NEW COG WELL #26 AND RAW WATER TRANSMISSION MAIN

**DESIGN-BUILD CONTRACT
CONTRACT NO. CON-18-4334, PROJECT NO. WA-1719**

This **DESIGN-BUILD** ("Agreement") is between City of Goodyear, an Arizona municipal corporation ("City") and Felix Construction Company, an Arizona Corporation ("DESIGN-BUILDER"). The City and DESIGN-BUILDER are collectively referred to in this Contract as the "Parties" and each individually as a "Party".

RECITALS

- A. The City desires to complete Design-Build Services including Design, Design Review/Value Engineering, permitting and regulatory assistance, construction, (New COG Well #26 and Raw Water Transmission Main) (hereinafter referred to as the "Project"), as described in Exhibit A attached hereto.
- B. The City intends to construct Project as more fully described in Exhibit A attached hereto.
- C. The Design-Builder has represented to the City its ability to design, and construct the Project, and based on this representation the City has engaged Felix Construction Company, to design, and construct, the Project.

AGREEMENT

NOW THEREFORE, and in consideration of the mutual promises, terms, and conditions stated herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows.

ARTICLE 1 – TERMS AND DEFINITIONS

Addenda means written or graphic instruments issued prior to the submittal of the Guaranteed Maximum Price (GMP) proposal(s), which clarify, correct or change the GMP proposal(s) requirements.

Agreement or Contract means this written document signed by the City and Design-Builder, including other documents itemized and referenced in or attached to and made part of this document. This term shall also include the RFQ, all Attachments and Exhibits, and all Appendices.

Alternate Systems Evaluations means alternatives for design, means and methods or other scope considerations that are evaluated using value engineering principles and have the potential to reduce construction costs while still delivering a quality and functional project that meets City requirements.

Change Order means a document signed by the Design-Builder and the City that authorizes an addition, deletion or revision in the scope of services or deliverables, or an adjustment in the Contract

amount or the period of services, or use of owner contingency, and is issued on or after the effective date of this Contract.

City or Owner means the City of Goodyear, an Arizona municipal corporation, with whom Design-Builder has entered into this contract and for whom the services are to be provided pursuant to this Contract.

City's Project Manager means the person representing the City for all correspondence relating to the Project.

Contract means the following items and documents in descending order of precedence executed by the City and the Design-Builder: all written modifications, amendments and change orders, this Agreement, including all exhibits and attachments; construction documents; Design-Builder's GMP proposal, and Design-Builder's SOQ.

Commissioning means the process prescribed in section 2.19 for achieving, validating and documenting the performance of the total Project and its systems to meet the design needs and requirements of the City.

Construction Documents means collectively, the plans, specifications, details, drawings, change orders and other documents prepared by the Design-Builder that describe the scope of quality of the project and the materials, supplies, equipment, systems and any and all other elements required for construction of the work that are acceptable to the owner.

Construction Fee means the Design-Builder's profit.

Construction Phase means the period set forth in the Schedule beginning with the issuance of the Construction Notice to Proceed and ending on the date of Final Completion of Project Construction.

Contract Documents means this Contract, RFQ in its entirety, Design-Builder's formal response to the RFQ, general and special conditions of the Contract, supplementary general conditions, the drawing and specifications, including all bulletins, change orders, addenda or other modifications of the drawings and specifications incorporated into the documents; the performance bond, the payment bond, insurances certifications, exhibits, attachments, and the Notice to Proceed for design phase services, and any other documents designated in this Contract.

Contract Time(s) means the period of time, as set forth in Article 4, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

Cost of Work means the direct costs necessarily incurred by the Design-Builder in the proper performance of the work. The Cost of the Work shall include direct labor costs, subcontract costs, costs of materials and equipment incorporated in the completed construction, costs of other materials and equipment, temporary facilities, permit and license fees (if not paid for by City), materials testing, and related items. The cost of the Work shall not include the Design-Builder's Construction Fee, General Conditions Costs, or taxes.

Critical Path means the sequence of activities from the start of the work to the substantial Completion of the Project. Any delay in the completion of these activities will extend the Substantial Completion date.

Day(s) means calendar day(s) unless otherwise specifically provided in the Contract Documents.

Delay Costs means those items of Cost of the Work attributable to an Excusable Delay for which the City is responsible and which are payable by the City to the Design-Builder pursuant to a Change Order.

Deliverables means the work products prepared by the Design-Builder in performing the scope of work described in this Contract. Some of the major deliverables to be prepared and provided by the Design-Builder during the design phase may include but are limited to: Construction Management Plan, project schedule, schedule of values, alternative system evaluations, procurement strategies and plans, cost estimates, construction market surveys, cash flow projections, GMP proposals, subcontractor procurement plan, subcontractor agreements, subcontractor bid packages, supplier agreements, and others as indicated in this Contract or required by the project team.

Design Phase means the period set forth in the Schedule commencing with the Design-Builder's receipt of a Notice to Begin Design and ending upon the date the City approves the Construction Documents.

Design Services means all professional services to be performed or procured by the Design-Builder to provide required project design under this Agreement and any subsequent amendments.

Design-Builder means the individual, partnership, entity, firm, company or corporation who, as a result of the competitive process, is awarded a Contract by the City.

Design Professional means the qualified, licensed person, firm or corporation who furnishes design services required under the Contract Documents as identified by the City.

Differing Site Conditions means concealed or latent physical conditions or subsurface conditions at the Site that, (i) materially differ or are not reasonably inferable from the conditions indicated in the Contract Documents or (ii) are of an unusual nature, differing materially from the conditions ordinarily encountered and generally recognized as inherent in the Work.

Drawings means the graphic and pictorial portions of the Contract Documents showing the design, location, and dimensions of the work, generally including plans, elevations, sections, details, schedules, and diagrams, excluding shop drawings.

Final Completion means the point at which the Project has been completed in accordance with the terms and conditions of the Contract Documents, including Punch List items and delivery of all "Close-Out Documents" required by the Project as prescribed in section 4.4.

General Condition Costs means and includes, but is not limited to, the following types of costs for the Design-Builder during the construction phase: payroll costs for project manager or construction manager for work conducted at the site; payroll costs for the superintendent and full-time general foremen; payroll costs for management personnel resident and working on the site; workers not included as direct labor costs engaged in support (e.g. loading/unloading, clean-up, etc.); administrative office personnel; costs of offices and temporary facilities including office materials, office supplies, office equipment, minor expenses, utilities, fuel, sanitary facilities and telephone services at the site; costs of liability insurance premiums not included in labor burdens for direct labor costs; costs of bond premiums; costs of consultants not in direct employ of the Design-Builder or subcontractors; taxes on the work and for which the Design-Builder is liable; and permit and license fees. Certain limitation and exclusions are described in the general conditions for the construction phase.

GMP Plans and Specification means the sets of plans and specifications provided which the Guaranteed Maximum Price proposal is based.

Guaranteed Maximum Price or GMP means the contract amount that the Design-Builder shall not exceed for design, permitting and maximum cost of the construction including the Design-Builder's Construction Fee, General Conditions Costs; sales tax and Design-Builder's contingency. The Design-Builder does not guarantee that any Allowance Item will not change, but agrees that it alone will be responsible for paying all costs of completing the Project that exceed the GMP, as adjusted in accordance with the Contract Documents. The GMP proposal(s) are to be developed pursuant to Article 2 of this Agreement.

Legal Requirements means all applicable federal, state and local laws, codes, ordinances, rules, regulations, orders and decrees of any government or quasi-government entity having jurisdiction over the Project or Site, the practices involved in the Project, Site or Work.

Liquidated Damages means the damages payable by the Design-Builder to the City in the event the Design-Builder does not achieve substantial completion or final completion of the project as specified in the Contract Documents.

Litigation Expense means any court filing fee and costs, arbitration fees and costs, witness fees, and any other fees and costs associated with investigating and defending or asserting any claim including claims for indemnification under this Contract. This includes but is not limited to: in each case, attorneys' fees, professional fees, disbursements and any other fees and costs of investigating and defending, appealing or asserting any claim for indemnification under this Contract.

Loss means any liability, loss, claim, settlement payment, cost and expense, interest, award, judgment, damages (including punitive damages), diminution in value, fines, fees and penalties or other charge, other than a litigation expense.

Notice to Proceed means a written notice given by the City to the Design-Builder to start work for any specific phase of the Contract.

Owner's Contingency means a fund to cover cost growth during the Project used at the discretion of the City usually for costs that result from City's directed changes, or as the City may otherwise elect. The amount of the Owner's Contingency will be set solely by the City and will be in addition to the project costs included in the Design-Builder's GMP packages. Use and management of the owner's contingency is described in section 5.3.4.

Performance Period means the period of time allotted in the Contract Documents to complete the construction comprised within a GMP. The Performance Period shall be stated with each GMP and shown on the Project Schedule.

Preconstruction Services means those services performed by the Design-Builder prior to work beginning on the Site.

Product Data means illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Design-Builder to illustrate materials or equipment for some portion of the construction.

Progress Payment Application means the form that is accepted by the City and used by the Design Builder in requesting Progress Payments or Final Payment on which shall include such supporting documentation as is required by the Contract Documents and or the City.

Project means the scope of work as described in the recital above and “Exhibit A” project description attached hereto.

Project Team means design phase services team consisting of the design professional, Design-Builder, and City’s project manager, City’s client department’s representatives, and other stakeholders who are responsible for making decisions regarding the project.

Punch List means those minor items of work to be completed after Substantial Completion and prior to Final Completion, which do not prevent the project from being used for the purpose for which it is intended and which will not prevent the issuance of a Certificate of Substantial Completion/Certificate of Occupancy.

Samples means physical examples of materials, equipment, or workmanship representative of a part of the construction phase work and which establish the standards by which that portion of the construction phase work shall be evaluated.

Services “Work” or “Project” means the subject matter of this Contract as set forth in the scope of work.

Schedule means the schedule attached hereto as Exhibit C pursuant to which the Design-Builder has agreed to complete the Work. If schedule modifications are required, the Schedule shall be adjusted pursuant to the provisions of the Contract Documents.

Schedule of Values (SOV) means the Document specified in the construction phase, which divides the Contract Price into pay items, such that the sum of all pay items equals the Contract price for the construction phase Work, or for any portion of the Work having a separate specified Contract Price. The SOV may or may not be output from the Project Schedule depending on if the Project Schedule is cost-loaded or not.

Scheduled Substantial Completion Date means the date on which the Work, or an agreed upon portion of the Work, is anticipated to be sufficiently complete so that City can occupy and use the Project or a portion thereof for its intended purposes.

Shop drawings means all drawings, diagrams, illustrations, schedules and other data or information specifically prepared or assembled by or for the Design-Builder and submitted by the Design-Builder to illustrate some portion of the Work.

Site means the land or premises on which the Project is located.

Specifications means the part(s) of the Contract Documents for the construction phase consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative details applicable thereto.

Subcontractor means an individual, firm or corporation having a direct contract with the Design-Builder or any other individual, firm or corporation having a contract with the aforesaid Contractor’s at any tier, who undertakes to perform a part of the design phase services or construction phase work at the

site for which the Design-Builder is responsible. Subcontractors shall be selected through the Subcontractor bid process described in section 2.9 of this Agreement.

Subconsultant means a person, firm or corporation having a contract with Design-Builder to furnish services required as its independent professional associated or consultant with respect to the project.

Substantial Completion means the construction work, or an agreed upon portion of the construction work, that City has agreed to accept separately, and is sufficiently complete so that City can occupy and use the project or a portion thereof for its intended purposes.

Supplier means a manufacturer, fabricator, supplier, distributor, materialman or vendor having a direct contract with Design-Builder or with any subcontractor to furnish materials or equipment to be incorporated in the construction phase work by Design-Builder or any Subcontractor.

Total Float means the number of days by which the design phase services on construction phase work or any part of the same may be delayed without necessarily extending a pertinent schedule milestone in the project schedule.

Work means all design, construction, and Commissioning services, including procuring and furnishing materials, equipment, services, and labor reasonably inferable from the Contract Documents.

Work Product means but is not limited to plans, specifications, cost estimates, tracings, studies, design analyses, original Mylar drawings, computer aided drafting and design (CADD) file, computer disks and/or other electronic records and media, and all "architectural work" and "works made for hire" as defined herein and by the United States Copyright Act, 17 U.S.C. § 101, *et seq.*

ARTICLE 2 – DESIGN-BUILDER’S SERVICES AND RESPONSIBILITIES

The following sections prescribe the services and responsibilities required for the proper execution and completion of the work by the Design-Builder. They are not organized in any specific order and may pertain to all phases of the work.

2.1 General Services

2.1.1 Design-Builder shall, through personnel employed by Design-Builder, or procured from qualified Subconsultants or Subcontractors, perform all work, and provide all material, equipment, tools and labor necessary to complete the work described in and reasonably inferable from this Agreement.

2.1.1.1 This Agreement shall be executed and signed by City and Design-Builder, stating their agreement to proceed with design in accordance with all codes, standards and requirements as adopted by ordinance or as may be referenced in Exhibit A – Scope of Services & Design GMP.

2.1.1.2 An amendment to this Agreement may be executed and signed by City and Design-Builder, stating their agreement to a GMP, or multiple GMP's, and to proceed with the completion of the design and construction of the project.

2.1.2 The City hereby acknowledges its acceptance of the key personnel of the design-build team as submitted by the Design-Builder in its statement of qualifications or as amended subsequently during the selection process. At any time hereafter that the Design-Builder desires to reassign

or change key personnel while performing under this Agreement, the Design-Builder shall submit a request to reassign or change key personnel and the qualifications of the proposed new key personnel to the City for prior approval.

- 2.1.3 The Design-Builder will maintain an adequate and competent staff of qualified persons, as may be determined by the City, throughout the performance of this Agreement. If the City objects, with reasonable cause, to any of the Design-Builder's design professionals, the Design-Builder shall take prompt corrective action acceptable to the City and, if required, remove such persons from the project and replace with new design professionals agreed to by the City.
- 2.1.4 Design-Builder's Representative shall be reasonably available to City and shall have the necessary expertise and experience required to supervise the Work. Design-Builder's Representative shall communicate regularly with City and shall be vested with the authority to act on behalf of Design- Builder. Design-Builder's Representative may be replaced as described in section 2.1.2.
- 2.1.5 The parties will meet within seven (7) Days after execution of this Agreement to discuss issues affecting the administration of the Work, the Project Schedule, and to implement the necessary procedures, including those relating to submittals and payment, to facilitate the ability of the parties to perform their obligations under this Agreement. The Notice to Proceed (NTP) date prescribed in section 4.1 will be established.

2.2 Professional Services

- 2.2.1 Design-Builder shall, consistent with applicable state licensing laws, provide qualified, licensed design professionals employed by Design-Builder, or procured from qualified, independent licensed design consultants, the necessary Design Services, including architectural, engineering and other design professional services, for the preparation of the required drawings, specifications and other design submittals to permit Design-Builder to complete the Work consistent with the Contract Documents. The Design-Builder's design professionals shall seal with an Arizona registered professional seal all plans, works, and Deliverables prepared by them for this Agreement as required by state law.
- 2.2.2 The Design-Builder understands and agrees that the City's Representative, shall be the sole contacts for administering this Agreement. The Design-Builder is not precluded from discussing the Project, or its requirements with the tenants or other entities which will ultimately use the facility, but all specific directions to or requests of the Design-Builder must be authorized by the City Representative.

2.3 Standard of Care for Design Professional Services and Corrections

- 2.3.1 The standard of care for all design professional services performed to execute the Work shall be the care and skill ordinarily used by members of the design profession practicing under similar conditions at the same time and locality of the Project. Notwithstanding the preceding sentence, if the parties agree upon specific performance standards for any aspect of the services, which standards are to be set forth in an exhibit to this Agreement entitled "Performance Standard Requirements," the design professional services shall be performed to achieve such standards.

- 2.3.2 The Design-Builder shall be responsible for the completeness and accuracy of the plans, specifications, supporting data, and other work prepared or compiled under its obligation for this Project and shall correct, at its expense, all errors, omissions and negligent acts therein which may be discovered. Correction of errors, omissions and negligent acts discovered on architectural or engineering plans and specifications shall be the responsibility of the Design-Builder. The cost of the design necessary to correct those errors attributable to the Design-Builder shall not be reimbursable costs to the Design-Builder. Any damage incurred by the City as a result of additional construction cost caused by such errors, omissions or negligent acts shall not be reimbursed to the Design-Builder to the extent that such errors, omissions and negligent acts fall below the standard of care and skill that a registered professional in Arizona would exercise under similar conditions. The fact that the City has accepted or approved the Design-Builder's product shall in no way relieve the Design-Builder of any of its responsibilities.

2.4 **Project Schedule**

- 2.4.1 The Project Schedule shall be established within seven (7) Days of the NTP and, updated and maintained throughout the Work. An updated construction Project Schedule shall be part of any GMP amendment.
- 2.4.2 The Project Schedule shall be revised as required by conditions and progress of the Work, but such revisions shall not relieve Design-Builder of its obligations to complete the Work within the Contract Time(s), as such dates may be adjusted in accordance with the Contract Documents.
- 2.4.3 An updated Project Schedule shall be submitted monthly to the City five (5) working Days prior to the Design-Builder's monthly Payment Request as prescribed in Article 7 of this Agreement.
- 2.4.3.1 Design-Builder shall provide City with a monthly status report with each Project Schedule detailing the progress of the Work, including whether (i) the Work is proceeding according to schedule, (ii) discrepancies, conflicts, or ambiguities exist in the Contract Documents that require resolution, and (iii) other items require resolution so as not to jeopardize Design-Builder's ability to complete the Work for the Contract Price(s) and within the Contract Time(s).
- 2.4.3.2 With each Project Schedule submitted, the Design-Builder shall include a transmittal letter including the following.
- 2.4.3.2.1 Description of problem tasks (referenced to field instructions, requests for information (RFIs), change order or claim numbers) as appropriate.
- 2.4.3.2.2 Current and anticipated delays not resolved by approved change order, including:
- Cause of the delay
 - Corrective action and schedule adjustments to correct the delay
 - Known or potential impact of the delay on other activities, milestones, and the date of Substantial Completion
 - Changes in construction sequence
- 2.4.3.2.3 Pending items and status thereof including but not limited to:
- Pending change orders
 - Time extension requests
 - Other items

2.4.3.2.4 Substantial Completion date status:

- If ahead of schedule, the number of Days ahead
- If behind schedule, the number of Days behind

2.4.3.2.5 Other Project or scheduling concerns

2.4.4 City's review of and response to the Project Schedule is only for general conformance with the scheduling requirements of the Contract Documents. The review shall not relieve the Design-Builder from compliance with the requirements of the Contract Documents or be construed as relieving the Design-Builder of its complete and exclusive control over the means, methods, sequences and techniques for executing the Work.

2.4.4.1 Upon the City's request, the Design-Builder shall participate in the review of the Design-Builder's Project Schedule submissions. The City may request the participation of Subconsultants and/or Subcontractors in these reviews, as determined necessary by the City.

2.4.5 The Project Schedule shall include a Critical Path Method (CPM) diagram schedule that shall show the sequence of activities, the interdependence of each activity and indicate the path of critical activities.

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

2.4.5.2 The CPM diagram schedule shall indicate all relationships between activities.

2.4.5.3 The activities making up the schedule shall be of sufficient detail to assure that adequate planning has been done for proper execution of the Work and such that it provides an appropriate basis for monitoring and evaluating the progress of the Work.

2.4.5.4 The CPM diagram construction schedule shall be based upon activities, which would coincide with the Schedule of Values.

2.4.5.5 The CPM diagram schedule shall show all submittals associated with each work activity and the review time for each submittal.

2.4.5.6 The schedule shall show milestones, including milestones for City-furnished information, and shall include activities for City-furnished equipment and furniture when those activities are interrelated with the Design-Builder's activities.

2.4.5.7 The schedule shall include a Critical Path activity that reflects anticipated weather delay during the performance of the Contract. The duration shall reflect the average climatic range and usual industrial conditions prevailing in the locality of the Site.

2.4.5.8 The Project Schedule shall consider the City's occupancy requirements showing portions of the Project having occupancy priority, and Contract Time.

2.4.5.9 In the event of significant delays, lags or changes in the planned sequence of activities, as determined by Owner, Contractor shall provide to Owner a Recovery Schedule indicating proposed rescheduling of activities to achieve completion of the Project by the Scheduled Substantial Completion Date.

2.4.6 Float time shall be as prescribed below:

2.4.6.1 The total Float within the overall schedule, is not for the exclusive use of either the City or the Design- Builder, but is jointly owned by both and is a resource available to and shared by both parties as needed to meet contract milestones and the Project completion date.

2.4.6.2 The Design-Builder shall not sequester shared Float through such strategies as extending activity duration estimates to consume available Float, using preferential logic, or using extensive crew/resource sequencing, etc. Since Float time within the schedule is jointly owned, no time extensions will be granted nor delay damages paid until a delay occurs which extends the Work beyond the Substantial Completion date, and then only if such extensions or damages are shown to be justified under the Contract Documents.

2.4.6.3 Since Float time within the construction schedule is jointly owned, it is acknowledged that City-caused delays on the Project may be offset by City-caused time savings (i.e., Critical Path submittals returned in less time than allowed by the Contract, approval of substitution requests and credit changes which result in a savings of time to the Design-Builder, etc.). In such an event, the Design-Builder shall not be entitled to receive a time extension or delay damages until all City-caused time savings are exceeded, and the Substantial Completion date is also exceeded.

2.5 **Cost Estimates**

2.5.1 The Project budget available for the Work will be communicated to the Design-Builder through separate correspondence. The Design-Builder is responsible for the delivery of the Project covered by the Contract Documents within the Project budget.

2.5.2 With each Project Schedule submittal pursuant section 2.4.3, the Design-Builder shall provide a detailed cost estimate and a written review of the documents.

2.5.2.1 If any estimate submitted to the City exceeds previously accepted estimates or the City's Project budget, the Design-Builder shall make at its sole expense appropriate recommendations on methods and materials to the City that it believes will bring the Project back into the Project budget.

2.5.2.2 In between these milestone estimates, the Design-Builder shall periodically provide a tracking report which identifies the upward or downward movements of costs due to value engineering or scope changes. It shall be the responsibility of the Design-Builder to keep the City informed as to the major trend changes in costs relative to the City's budget.

2.5.3 If requested by the City, the Design-Builder shall prepare a preliminary "cash flow" projection based upon historical records of similar type projects to assist the City in the financing process.

2.6 Construction Management Plan

2.6.1 The Design-Builder will prepare a Construction Management Plan (CMP).

2.6.2 The CMP shall include:

- 2.6.2.1 Project milestone dates and the Project Schedule, including the broad sequencing of the design and construction of the Project,
- 2.6.2.2 Investigations, if any, to be undertaken to ascertain subsurface conditions and physical conditions of existing surface and subsurface facilities and underground utilities,
- 2.6.2.3 Alternate strategies for fast-tracking and/or phasing the construction,
- 2.6.2.4 Goal compliance strategy,
- 2.6.2.5 The number of separate sub-agreements to be awarded to Subcontractors and Suppliers for the Project construction,
- 2.6.2.6 Permitting strategy,
- 2.6.2.7 Safety and training programs,
- 2.6.2.8 Construction quality control,
- 2.6.2.9 Commissioning program,
- 2.6.2.10 Cost estimate and basis of the model, and
- 2.6.2.11 Matrix summarizing each Project Team member's responsibilities and roles.

2.6.3 The Design-Builder shall add detail to its previous version of the CMP to keep it current throughout the design phase, so that the CMP is ready for implementation at the start of construction.

2.7 Design Services

2.7.1 Design-Builder shall provide all interim design submissions and Deliverables as prescribed in the Performance Standards Requirements provided by the City, and as shown on the Project Schedule.

- 2.7.1.1 Within seven (7) days after a scheduled submission, the Design-Builder and City shall meet and confer about the submissions, with Design-Builder identifying during such meetings, among other things, the evolution of the design and any significant changes or deviations from the Contract Documents, or previously submitted design submissions.
- 2.7.1.2 The Design-Builder, with each required submittal, shall submit and distribute ten, or as otherwise identified in the Performance Standards Requirements, hard copy sets of full size plans and specifications.

- 2.7.1.3 Design-Builder shall be responsible for all meeting notices, agendas and minutes. Minutes of the meetings will be provided within five days following the design review meeting to all attendees for review.
- 2.7.1.4 City shall review and approve the interim design submissions in a time that is consistent with the turnaround times set forth in Design-Builder's Owner approved Project Schedule.
- 2.7.1.5 Design-Builder shall not cause the design to proceed until City approves the interim design submissions as prescribed in this section. If the Design-Builder allows the design to proceed without City approval, the cost of any resultant redesign is not a reimbursable cost.
- 2.7.1.6 City's review and approval of interim design submissions and the Construction Documents is for the purpose of mutually establishing a conformed set of Construction Documents compatible with the requirements of the Project. Neither City's review nor approval of any interim design submissions and Construction Documents shall be deemed to transfer any design liability to the City.
- 2.7.2 The Project design must meet all applicable (i) Maricopa Association of Governments (MAG) Uniform Standard Technical Specifications and Uniform Standard Details and Drawings, latest revision; (ii) the City's Supplements and Amendments to the latest revision of the MAG Uniform Standard Technical Specifications and Uniform Details and Drawings; (iii) the City of Goodyear Engineering Design and Construction Standards and Specifications, latest edition, (available on our City website), (iv) all City building standards; and (v) shall include any general provisions provided by the City.
- 2.7.3 The Project design criteria and specifications shall be in accordance with all codes, standards and requirements as adopted by ordinance or as may be referenced in Exhibit A – Performance Standards Requirements. Variances from the standards and guidelines must be identified in writing by the Design-Builder and approved by the City. The Design Builder shall identify conflicts between the design standards and guidelines and the requirements in section 2.7.2 above or Legal Requirements and shall obtain concurrence with resolution of the conflict. The design standards and guidelines or approval of variances or resolution of conflicts shall not be deemed to transfer any design liability to the City.
- 2.7.4 The Design-Builder shall not specify any construction materials known to be hazardous or potentially hazardous, including asbestos, lead or any derivative thereof unless specifically approved in writing by the City.
- 2.7.5 The Design-Builder shall coordinate with private, public and City utilities (i.e., Information Technology Department, Water Services Department) regarding standard utility issues and incorporate pertinent information in the plans.
- 2.7.6 The Design-Builder shall be responsible for scheduling, submitting to, obtaining approval and retrieving all required Construction Documents from the various required reviewing agencies.

- 2.7.7 Until such time as a GMP amendment has been executed, Design-Builder when requested by the City, will attend, make presentations, and participate as may be appropriate in public agency and/or community meetings relative to the Project. Design-Builder will provide drawings, schedule diagrams, budget charts and other materials describing the Project, when their use is required or appropriate in any such meetings.
- 2.7.8 Design-Builder shall submit to the City, Construction Documents setting forth in detail drawings and specifications describing the requirements for construction.
- 2.7.8.1 The Construction Documents shall be consistent with the latest set of interim design submissions, as such submissions may have been modified in a design review meeting.
- 2.7.8.2 The Design-Builder shall provide the drawings in AutoCAD format compatible with City of Goodyear Community Development Department CADD technology using City layering standards, (available on City website).
- 2.7.8.3 The drawing format will be a 24" x 36" sheet size unless otherwise authorized in writing by the City.
- 2.7.8.4 The parties shall have a design review meeting to discuss, and City shall review and approve, the Construction Documents in accordance with the procedures set forth this section.
- 2.7.8.5 Prior to commencement of construction, Design-Builder shall submit to the City the following.
- 2.7.8.5.1 One set of approved Construction Drawings in AutoCAD format and Specifications in MS Word format on electronic media (USB drive);
- 2.7.8.5.2 Five full-size print sets of approved Construction Drawings and five half-size sets; and
- 2.7.8.5.3 Five sets of specifications.
- 2.7.9 To the extent not prohibited by Legal Requirements, Design-Builder may arrange for interim design submissions and Construction Documents for a portion of the construction to permit construction to proceed on that portion prior to completion of the Construction Documents for the entire construction.

2.8 Government Approvals and Permits

- 2.8.1 Design-Builder shall obtain all necessary permits, approvals, and licenses required for the prosecution of the Work by any government or quasi-government entity having jurisdiction over the Project. The Design-Builder is specifically reminded of the need to obtain the necessary environmental permits and/or file the necessary environmental notices.
- 2.8.2 Copies of these permits and notices must be provided to the City's Representative prior to starting the permitted activity. In the case of Fire Department permits, a copy of the application for permit shall also be provided to the City's Representative. This provision does not constitute an assumption by the City of any obligation of any kind for violation of said permit or notice requirements.

- 2.8.3 City shall be responsible for City of Goodyear's review and permit(s) fees for building and demolition permits. City will also pay review fees for grading and drainage, water, sewer, and landscaping.
- 2.8.4 Design-Builder shall be responsible for all other permits and review fees not specifically listed in section 2.8.3 above.
- 2.8.5 Design-Builder is responsible for the cost of water meter(s), water and sewer taps and fire lines and taps, and all utility fees including incremental billings until Substantial Completion. Arrangements for construction water and associated fees are the Design-Builder's responsibility.

2.9 **Subcontractor Selection**

- 2.9.1 Subcontractors shall be selected in accordance with A.R.S. Title 34.
 - 2.9.1.1 Design Builder shall employ only Subcontractors who are duly licensed in Arizona and qualified to perform the work per the requirements of the Contract Documents.
- 2.9.2 The Design-Builder will develop Subcontractor interest, submit the names of a minimum of three qualified Subcontractors selected pursuant to a qualifications based procedure, for each trade in the Project for approval by the City and solicit bids for the various construction categories. If there are not three qualified Subcontractors available for a specific trade or there are extenuating circumstances warranting such, the Design-Builder may request approval by the City to submit less than three names. Without prior approval by the City, no change in the City-approved Subcontractors will be allowed.
 - 2.9.2.1 If the Design-Builder desires to self-perform certain portions of the construction, it will request to be one of the approved Subcontractor bidders for those specific bid packages. The Design-Builder's bid will be evaluated in accordance with the process identified below. If after selection of a Subcontractor, events warrant and the City concurs, the Design-Builder may construction without bidding or re-bidding.
 - 2.9.2.2 If the City objects to any nominated Subcontractor or to any nominated self-performed construction for good reason, the Design-Builder will nominate a substitute Subcontractor.
 - 2.9.2.3 The Design-Builder will distribute drawings and specifications, and when appropriate, conduct a pre-bid conference with prospective Subcontractors.
 - 2.9.2.4 The Design-Builder shall receive, open, record and evaluate the bids. The apparent low bidders will be interviewed to determine the responsiveness of their proposals. In evaluating the responsiveness of bid proposals the Design-Builder, in addition to bid price, shall consider the following factors: past performance on similar projects, qualifications and experience of personnel assigned, quality management plan, approach or understanding of the Work to be performed, and performance schedule to complete the Work. The final evaluation of Subcontractor bids will be done with the City Representative in attendance to observe and witness the process. The Design-Builder will resolve any Subcontractor bid withdrawal, protest or disqualification in connection with the award at no increase in the cost of the construction.

2.9.3 Upon completion of the Subcontractor selection process, the Design-Builder shall submit a summary report to the City of the entire Subcontractor selection process. The report will indicate, by bid process, all Subcontractors contacted to determine interest, the Subcontractors solicited, the bids received and costs negotiated, and the selected Subcontractors for each category of Work.

2.9.4 The selected Subcontractors will provide a Schedule of Values, which will be used to create the overall Project Schedule of Values.

2.10 **General Construction Services**

2.10.1 Unless otherwise provided in the Contract Documents to be the responsibility of City or a separate contractor, Design-Builder shall provide through itself or Subcontractors the necessary supervision, labor, taxes, inspection, testing, start-up, material, equipment, machinery, arrangements for temporary utilities and other temporary facilities to permit Design-Builder to complete construction of the Project consistent with the Contract Documents.

2.10.2 The Design-Builder shall completely and totally construct the Project and install the material therein for the City, in a good and workmanlike and substantial manner. The Work shall be to the satisfaction of the City and strictly pursuant to and in conformity with the Contract Documents as amended.

2.10.3 Design-Builder shall perform all construction activities efficiently and with the requisite expertise, skill and competence to satisfy the requirements of the Contract Documents. Design-Builder shall at all times exercise complete and exclusive control over the means, methods, sequences and techniques of construction.

2.11 **Pre-construction Conference**

2.11.1 After approval of Construction Documents and prior to the commencement of any construction, the City's Representative will schedule a pre-construction conference.

2.11.2 The purpose of this conference is to establish a working relationship between the Design-Builder, utility firms, and various City agencies. The agenda will include critical elements of the construction schedule, submittal schedule, cost breakdown of major lump sum items, the level of Record Project Documents required, Payment Requests and processing, coordination with the involved utility firms, and emergency telephone numbers for all representatives involved in the course of construction.

2.11.3 The construction start date will be concurred with. After the meeting a Notice to Proceed letter will be issued confirming the construction start date, duration of the construction and if applicable the Substantial Completion date. If a Substantial Completion date is established the conditions of the Substantial Completion will be listed.

2.11.4 The Design-Builder shall provide a Schedule of Values based on the categories used in the buyout of the construction, but not greater than the approved GMP, and identifying the construction contingency. The Schedule of Values will subdivide the construction into all items comprising the construction.

2.11.5 Minimum attendance by the Design-Builder shall be the Design-Builder's Representative who is authorized to execute and sign documents on behalf of the firm, the Design-Builder's Design

and Contractor Representatives, the job superintendent, and the Design-Builder's safety officer.

2.12 Supervision of Construction

2.12.1 Design-Builder or the Design-Builder's Representative shall at all times be present at the Site when construction activities are taking place.

2.12.1.1 All elements of the construction, such as concrete work, pipe work, etc., shall be under the direct supervision of a foreman or his designated representative on the Site, who shall have the authority to take actions required to properly carry out that particular element of the construction.

2.12.1.2 In the event of noncompliance of this section 2.12, the City may require the Design-Builder to stop or suspend the construction in whole or in part. Such suspension, due to the Design-Builder's noncompliance shall not be considered a basis for an increase in the Contract Price or extension of Contract Time.

2.12.2 Where the Contract Documents require that a particular product be installed and/or applied by an applicator approved by the manufacturer, it is the Design-Builder's responsibility to ensure the Subcontractor employed for such Work is approved.

2.12.3 During construction the City may reasonably object to any Subcontractor and the Subcontractor shall be removed from the construction, provided that the Contract Price and/or Contract Time(s) may be adjusted to the extent that City's decision impacts Design-Builder's cost and/or time of performance.

2.12.4 Any person employed by the Design-Builder or any Subcontractor who, in the opinion of the City, does not perform his work in a proper, skillful and safe manner or is intemperate or disorderly shall, at the written request of the City, be removed from the construction by Design-Builder or Subcontractor employing such person, and shall not be employed again in any portion of construction without the written approval of the City. The Design-Builder or Subcontractor shall keep the City harmless from damages or claims, which may occur in the enforcement of this section.

2.12.5 Design-Builder shall be solely responsible to City for the proper performance of the Work of Subcontractors and any acts and omissions in connection with such performance. Nothing in the Contract Documents is intended or deemed to create any legal or contractual relationship between City and any Subcontractor, including but not limited to any third-party beneficiary rights.

2.12.6 Design-Builder shall coordinate the activities of all Subcontractors. If City performs other work on the Project or at the Site with separate contractors under City's control, Design-Builder agrees to reasonably cooperate and coordinate its activities with those of such separate contractors so that the Project can be completed in an orderly and coordinated manner without unreasonable disruption.

2.13 Control of Construction Site

2.13.1 Throughout all phases of construction, including suspension of Work, Design-Builder shall keep the Site reasonably free from debris, trash and construction wastes to permit Design-Builder to perform its construction services efficiently, safely and without interfering with the use of

adjacent land areas. Upon Substantial Completion of the construction, or a portion of the construction, Design-Builder shall remove all debris, trash, construction wastes, materials, equipment, machinery and tools arising from the construction or applicable portions thereof to permit City to occupy the Project or a portion of the Project for its intended use.

- 2.13.2 Design-Builder shall take whatever steps, procedures or means to prevent any dust nuisance due to construction operations. The dust control measures shall be maintained at all times to the satisfaction of the City and in accordance with the requirements of the Arizona Department of Environmental Quality (ADEQ).
- 2.13.3 Design-Builder shall identify a trained responsible staff person who shall implement, monitor and maintain dust control procedures and assure compliance with all applicable air pollution control regulations.
- 2.13.4 Design-Builder shall notify the City project representative within 24 hours of any notice of noncompliant conditions, issuance of citations, or notice of violations by any regulatory agency. Design-Builder shall indemnify and reimburse the City for any fine, penalty, or monetary sanction imposed on the City which is caused by the failure of Design-Builder to adhere to applicable air pollution regulations.
- 2.13.5 Design-Builder shall maintain ADA and ANSI accessibility requirements during construction activities in an occupied building or facility. ADA and ANSI accessibility requirements shall include, but not be limited to, parking, building access, entrances, exits, restrooms, areas of refuge, and emergency exit paths of travel. Design-Builder shall be responsible for the coordination of all Work to minimize disruption to building occupants and facilities.
- 2.13.6 In the event of abnormal weather conditions, such as windstorms, rainstorms, snowstorms, etc., the Design-Builder shall immediately inspect the work site and take all necessary actions to insure public access and safety are maintained, and that the Work in place and site conditions are protected from damage.
- 2.13.7 Only materials and equipment, which are to be used directly in the construction, shall be brought to and stored on the Site by the Design-Builder. When equipment is no longer required for the construction, it shall be removed promptly from the Site. Protection of construction materials and equipment stored at the Site from weather, theft, damage and all other adversity is solely the responsibility of the Design-Builder.

2.14 **Shop Drawings, Product Data and Samples**

- 2.14.1 Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the construction for which submittals are required the way the Design-Builder proposes to conform to the information given and the design concept expressed in the Construction Documents.
- 2.14.2 The Design-Builder shall review, approve, verify, and submit to the City three copies of each Shop Drawing, Product Data, Sample, and similar submittal required by the Construction Documents in accordance with the approved construction schedule as prescribed in section 4.2 as to cause no delay in the Work or in the activities of the City or of separate contractors.
- 2.14.3 By approving, verifying and submitting Shop Drawings, Product Data, Samples and similar submittals, the Design-Builder represents that the Design-Builder has determined and verified

materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the construction and of the Construction Documents.

- 2.14.4 The Design-Builder shall not be relieved of responsibility for deviations from requirements of the Contract Documents unless the Design-Builder has specifically informed the City in writing of such deviation at the time of submittal and the City has given written approval to the specific deviation.
- 2.14.5 When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, the City shall be entitled to rely upon the accuracy and completeness of such calculations and certifications.

2.15 **Quality Control, Testing and Inspection**

- 2.15.1 All materials used in the construction shall be new and unused, unless otherwise agreed to in writing by the parties, and shall meet all quality requirements of the Contract Documents.
- 2.15.2 All construction materials to be used on the construction or incorporated into the construction, equipment, plant, tools, appliances or methods to be used in the construction may be subject to the inspection and approval or rejection of the City. Any material rejected by the City shall be removed immediately and replaced in an acceptable manner.
- 2.15.3 The procedures and methods used to sample and test material will be determined by the City. Unless otherwise specified, samples and tests shall be made in accordance with (i) Maricopa Association of Governments (MAG) Uniform Standard Technical Specifications and Uniform Standard Details and Drawings, latest revision, (ii) the City Supplements and Amendments to the latest revision of the MAG Uniform Standard Technical Specifications and Uniform Details and Drawings, (iii) City of Goodyear Engineering Design and Construction Standards and Specifications latest revision, and (iv) ASHTO and ASTM standards, latest revisions.
- 2.15.4 The Design-Builder will select a pre-qualified independent testing laboratory and will pay for initial acceptance testing.
 - 2.15.4.1 When the first and subsequent tests indicate noncompliance with the Contract Documents, the cost associated with that noncompliance and the cost of all tests, except the first test, will be paid for by the Design-Builder. The Design Builder's construction contingency can be utilized for the cost of re-testing and related rework.
 - 2.15.4.2 When the first and subsequent tests indicate noncompliance with the Contract Documents, all retesting shall be performed by the same testing agency.
- 2.15.5 The Design-Builder will cooperate with the selected testing laboratory and all others responsible for testing and inspecting the Work and shall provide them access to the Work at all times.
- 2.15.6 At the option of the City, materials may be approved at the source of supply before delivery is started.
- 2.15.7 Code compliance testing and inspections required by codes or ordinances, or by a plan approval authority, and which are made by a legally constituted authority, shall be the responsibility of and shall be paid by the Design-Builder, unless otherwise provided in the Contract Documents.

2.15.8 Design-Builder's convenience and quality control testing and inspections shall be the sole responsibility of the Design-Builder and paid by the Design-Builder.

2.15.9 City reserves the right to select and hire a third party independent testing laboratory to perform quality assurance testing at its sole discretion and Design-Builder agrees to allow reasonable access to the project sites and any materials for the City's testing laboratory.

2.16 **Trade names and Substitutions**

2.16.1 Construction Document references to equipment, materials or patented processes by manufacturer, trade name, make or catalog number, unless indicated that no substitutions are permitted, may be substituted. Substitute or alternate items may be permitted, subject to the following:

2.16.2 The substitution shall be submitted by Design-Builder in writing to the City.

2.16.3 The Design-Builder shall certify that the substitution will perform the functions and achieve the results called for by the general design, be similar and of equal substance, and be suited to the same use as that specified.

2.16.4 The submittal shall state any required changes in the Construction Documents to adapt the design to the proposed substitution.

2.16.5 The submittal shall contain an itemized estimate of all costs and credits that will result directly and indirectly from the acceptance of such substitution, including cost of design, license fees, royalties, and testing. Also, the submittal shall include any adjustment in the Contract Time created by the substitution. Substitutions will only be considered if they do not extend Contract Time.

2.16.6 The Design-Builder if requested by the City shall submit Samples or any additional information that may be necessary to evaluate the acceptability of the substitution.

2.16.7 The City will make the final decision and will notify the Design-Builder in writing as to whether the substitution has been accepted or rejected. If accepted, the Design-Builder will cause the Construction Documents to be revised as approved at the Design-Builder's cost.

2.16.8 The Design-Builder shall continue to perform the construction in accordance with the Construction Documents unless the City accepts the substitution and there is no extension of Contract Time.

2.17 **Project Record Documents**

2.17.1 During the construction period, the Design-Builder shall maintain at the Site a set of blueline or blackline prints of the Construction Drawings and Shop Drawings for Project Record Document purposes.

2.17.1.1 The Design-Builder shall mark these drawings to indicate the actual installation where the installation varies appreciably from the original Construction Drawings. The Design-Builder shall give particular attention to information on concealed elements, which would be difficult to identify or measure and record later. Items required to be marked include but are not limited to:

- Dimensional changes to the drawings;
- Revisions to details shown on drawings;
- Depths of foundations below first floor;
- Locations and depths of underground utilities;
- Revisions to routing of piping and conduits;
- Revisions to electrical circuitry;
- Actual equipment locations;
- Duct size and routing;
- Locations of concealed internal utilities;
- Changes made by Change Order, Field Order, Report of Field Change, ASI or RFI;
- Details not on original Construction Drawings.

2.17.1.2 The Design-Builder shall mark completely and accurately Project record drawing prints of Construction Drawings or Shop Drawings, whichever is the most capable of indicating the actual physical condition. Where Shop Drawings are marked, show cross-reference on Construction Drawings location.

2.17.1.3 The Design-Builder shall mark Project record drawings sets with red erasable colored pencil.

2.17.1.4 The Design-Builder shall note RFI Numbers, ASI Numbers and Change Order numbers, etc, as required to identify the source of the change to Construction Drawings.

2.17.1.5 The Design-Builder shall as a condition of Substantial Completion, submit Project record drawing prints and Shop Drawings to the City or its representative for review and comment.

2.17.2 Final Project record drawings: Upon receipt of the reviewed Project record drawings from the City, the Design-Builder shall correct any deficiencies and/or omissions to the drawings and prepare the following for submission to the City within 14 Days:

2.17.2.1 On electronic media: (i) a complete set of Project record drawings prepared in Autocad format compatible with City of Goodyear Community Development Department CADD technology using City layering standards, each drawing shall be clearly marked with "As-Built Document;" (ii) a complete set of Project specifications in Microsoft Word format; and (iii) Shop Drawings in CADD or graphic file format.

2.17.2.2 On hard copy media: (i) a complete set of reproducible mylars from the final AutoCAD drawings in the format compatible with City of Goodyear Community Development Department CADD technology using City layering standards; and (ii) two edge bound blueline or blackline sets reproduced from these mylars.

2.17.2.3 The original copy of the Project record drawings (redline mark-ups).

2.18 **Project Safety**

2.18.1 Design-Builder recognizes the importance of performing the construction in a safe manner so as to prevent damage, injury or loss to (i) all individuals at the Site, whether working or visiting, (ii) the construction, including materials and equipment incorporated into the construction or stored on-Site or off-Site, and (iii) all other property at the Site or adjacent thereto.

- 2.18.2 Design-Builder assumes responsibility for implementing and monitoring all safety precautions and programs related to the performance of the construction.
- 2.18.3 Design-Builder shall develop and maintain a Project specific safety plan, and shall provide a copy to the City's Representative for the City's records only. Design-Builder shall adhere to the Project specific safety plan, and shall communicate the safety plan to all subcontractors at all tiers.
- 2.18.4 Design-Builder shall, prior to commencing construction, designate a safety representative with the necessary qualifications and experience to supervise the implementation and monitoring of all safety precautions and programs related to the construction. Unless otherwise required by the Contract Documents, Design-Builder's safety representative shall be an individual stationed at the Site who may have responsibilities on the Project in addition to safety.
- 2.18.5 The safety representative shall make routine daily inspections of the Site and shall hold weekly safety meetings with Design-Builder's personnel, Subcontractors and others as applicable.
- 2.18.6 Design-Builder and Subcontractors shall comply with all Legal Requirements relating to safety, as well as any City-specific safety requirements set forth in the Contract Documents, provided that such City-specific requirements do not violate any applicable Legal Requirement.
- 2.18.7 Design-Builder will immediately report in writing any safety-related injury, loss, damage or accident arising from the construction to City's Representative and, to the extent mandated by Legal Requirements, to all government or quasi-government authorities having jurisdiction over safety- related matters involving the Project or the construction.
- 2.18.8 Design-Builder's responsibility for safety under this section is not intended in any way to relieve Subcontractors and Sub-Subcontractors of their own contractual and legal obligations and responsibility for (i) complying with all Legal Requirements, including those related to health and safety matters, and (ii) taking all necessary measures to implement and monitor all safety precautions and programs to guard against injury, losses, damages or accidents resulting from their performance of the construction.
- 2.18.9 Design-Builder acknowledges that the City is not the controlling employer for the purpose of OSHA standards, enforcement and violations. The City, its employees, agents and representatives assume no responsibility of liability for the physical condition of the Project site or the safety program for the Project.
- 2.18.10 The City reserves the right to conduct a contract safety compliance audit at any time during the term of the Project to verify the Design-Builder is in compliance with the terms and conditions of this Contract Section as well as all applicable Legal Requirements relating to safety.

2.19 **Commissioning**

- 2.19.1 The Design-Builder shall develop a Commissioning program, subject to the City's approval, as part of its CMP pursuant to section 2.6.
- 2.19.2 The Commissioning program shall include the roles and responsibilities of the City, tenants, and the Design-Builder.

2.19.3 The Design-Builder will provide a final Commissioning report indicating that the Project and all its systems and components are functioning as prescribed in the Contract Documents and training has been completed as required by the Contract Documents.

2.20 Design-Builder's Warranty

2.20.1 Design-Builder warrants to City that the construction, including all materials and equipment furnished as part of the construction, shall be new unless otherwise specified in the Contract Documents, of good quality, in conformance with the Contract Documents and free of defects in materials and workmanship.

2.20.2 Design-Builder's warranty obligation excludes defects caused by abuse, alterations, or failure to maintain the Project by persons other than Design-Builder and anyone for whose acts Design-Builder may be liable.

2.20.3 Design-Builder's warranty obligation shall be for one year following the completion of this Contract, except for such greater periods as may be required by the technical specifications.

2.20.4 Nothing in this warranty is intended to limit any manufacturer's warranty, or any other remedy at law available to the City, which provides City with greater warranty or other rights than set forth in this section or the Construction Documents.

2.20.5 Design-Builder will provide City with all manufacturers' warranties upon Substantial Completion.

2.21 Correction of Defective Construction

2.21.1 Design-Builder agrees to correct any construction that is found to not be in conformance with the Construction Documents, including that part of the construction subject to section 2.20 hereof. A progress payment, or partial or entire use or occupancy of the Project by the City shall not constitute acceptance of construction not in accordance with the Construction Documents.

2.21.2 Design-Builder shall, within seven Days of receipt of written notice from City that the construction is not in conformance with the Construction Documents, take meaningful steps to commence correction of such nonconforming construction, including the correction, removal or replacement of the nonconforming construction and any damage caused to other parts of the construction affected by the nonconforming construction.

2.21.3 If Design-Builder fails to commence the necessary steps within such seven Day period, City, in addition to any other remedies provided under the Contract Documents, may provide Design-Builder with written notice that City will commence correction of such nonconforming construction with its own forces. If City does perform such corrective construction, Design-Builder shall be responsible for all reasonable costs incurred by City in performing such correction. Any such Work performed by the City as a result of the Design-Builder's failure to commence corrective action shall not impact, in any way, the remaining warranty of the affected construction.

2.21.4 If the nonconforming construction creates an emergency requiring an immediate response, the Design-Builder will respond and initiate corrections within twenty-four hours.

2.21.5 Sections 2.20 and/or 2.21 above shall not limit any rights or remedies the City may have regarding Design-Builder's obligations under the Contract Documents.

ARTICLE 3 - CITY'S SERVICES AND RESPONSIBILITIES

3.1 Duty to Cooperate

- 3.1.1 City shall, throughout the performance of Work, cooperate with Design-Builder and perform its responsibilities, obligations and services in a timely manner to facilitate Design-Builder's timely and efficient performance of the Work and so as not to delay or interfere with Design-Builder's performance of its obligations under the Contract Documents.
- 3.1.2 City shall provide timely reviews and approvals of interim design submissions and Construction Documents consistent with the turnaround times set forth in the Project Schedule.
- 3.1.3 City's Representative as identified in section 8.4.1 shall be responsible for providing City-supplied information and approvals in a timely manner to permit Design-Builder to fulfill its obligations under the Contract Documents. City's Representative shall also provide Design-Builder with prompt notice if it observes any failure on the part of Design-Builder to fulfill its contractual obligations, including any errors, omissions or defects in the performance of the Work.
- 3.1.4 Appropriate City staff will be available and will participate in required training as part of the Commissioning activities.
- 3.1.5 If requested by the Design-Builder, the City's Representative will provide assistance and guidance in obtaining necessary permits. Regulating agencies of the City, such as the Community Development Department and the Utilities Department, enforce Legal Requirements. These enforcement activities are not subject to the responsibilities of the City under this Agreement.

3.2 Furnishing of Services and Information

- 3.2.1 The City will be responsible for the payment of the following:
 - 3.2.1.1 City review and permit(s) fees for building and demolition permits.
 - 3.2.1.2 City review fees for grading and drainage, water, sewer, and landscaping.
 - 3.2.1.3 Utility fees for permanent services.
- 3.2.2 Unless expressly stated to the contrary in the Contract Documents, City will provide, at its own cost and expense, for Design-Builder's information, the following:
 - 3.2.2.1 To the extent available, surveys describing the property, boundaries, topography and reference points for use during construction, including existing service and utility lines;
 - 3.2.2.2 Temporary and permanent easements, zoning and other requirements and encumbrances affecting land use, or necessary to permit the proper design and construction of the Project and enable Design- Builder to perform the Work;

- 3.2.2.3 To the extent available, as-built record and/or historical drawings of any existing structures at the Site and within the pipeline alignment;
 - 3.2.2.4 To the extent available, environmental studies, reports and impact statements describing the environmental conditions, including hazardous materials, in existence at the Site and within the pipeline alignment; and
 - 3.2.2.5 To the extent available, geotechnical studies describing subsurface conditions, and other surveys describing other latent or concealed physical conditions at the Site and within the pipeline alignment.
- 3.2.3 City will provide all City standards and guidelines, supplementary conditions and special provisions that shall be included in the plans and specifications for the Project. These may include but are not limited to: disposal of surplus material, special security provisions, investigation of underground facilities, traffic controls and regulations, special quality control testing and termite treatment requirements.
- 3.2.4 City is responsible for securing and executing all necessary agreements with adjacent land or property owners that are necessary to enable Design-Builder to perform the construction. City is further responsible for all costs, including attorneys' fees, incurred in securing these necessary agreements.
- 3.3 **Field Inspections**
- 3.3.1 The City may utilize field inspectors to assist the City's Representative during construction in observing performance of the Design-Builder. The inspector is for the purpose of assisting the City's Representative and should not be confused with an inspector with a City regulatory agency or with an inspector from a City laboratory pursuant to section 2.16.
- 3.3.2 Through onsite observation of the Work in progress and field checks of materials and equipment, the inspector shall endeavor to provide protection against defects and deficiencies in the Work.
- 3.3.2.1 The inspector will be authorized to inspect all Work and materials furnished. Such inspection may extend to all or part of the Work and to the preparation, fabrication or manufacture of the materials to be used.
 - 3.3.2.2 The inspector will not be authorized to issue instructions contrary to the Construction Documents or to act as foremen for the Design-Builder.
 - 3.3.2.3 The inspector shall have the authority to reject Work or materials until any questions at issue can be decided by the City's Representative.
- 3.3.3 The furnishing of such services for the City shall not make the City responsible for or give the City control over construction means, methods, techniques, sequence or procedures or for safety precautions or programs or responsibility for the Design-Builder's failure to perform the Work in accordance with Contract Documents.

3.4 **City's Separate Contractors**

- 3.4.1 City is responsible for all Work performed on the Project or at the Site by separate contractors under City's control. City shall contractually require its separate contractors to cooperate with, and coordinate their activities so as not to interfere with, Design-Builder in order to enable Design-Builder to timely complete the Work consistent with the Contract Documents.

3.5 **Project Management Services (if applicable to this Project)**

- 3.5.1 The City may contract separately with one or more technical consultants to provide project management assistance of the Project. The technical consultant's contract as well as other firms hired by the City shall be furnished to the Design-Builder. The Design-Builder shall not have any right however, to limit or restrict any contract modifications that are mutually acceptable to the City and technical consultant.
- 3.5.2 The technical consultant services will augment the City staffing resources to effectively manage the objectives of the City and this Project with the goal of managing the key project communication, cost and time parameters. The City and the Design-Builder shall endeavor to communicate through the technical consultant.
- 3.5.3 The technical consultant may provide preprogramming and design standards.
- 3.5.4 The City may contract with the technical consultant to provide some or all of the following services during the performance of the construction:
- 3.5.4.1 Oversight of the construction.
 - 3.5.4.2 Site visits at intervals appropriate to the stage of construction to become generally familiar with the progress and quality of the completed construction and to determine in general if the construction is being performed in accordance with the Construction Documents. The technical consultant will keep the City informed of progress of the construction, and will endeavor to guard the City against defects and deficiencies in the construction. The technical consultant may have authority to reject construction which does not conform to the Construction Documents and to require additional inspection or testing of the construction in accordance with section 2.15.
 - 3.5.4.3 Review and recommend approval of the Design-Builder's Payment Requests.
 - 3.5.4.4 Interpretations of matters concerning performance under and requirements of the Contract Documents on written request of the City. The technical consultant's response to such requests will be made with reasonable promptness and within any time limits agreed upon.
 - 3.5.4.5 Analyze, recommend and assist in negotiations of Change Orders.
 - 3.5.4.6 Conduct inspections to determine Substantial Completion and Final Acceptance.
 - 3.5.4.7 Receive and forward to the City for the City's review and records written warranties and related documents required by the Contract Documents and assembled by the Design-Builder.

3.5 **Commissioning Services**

- 3.5.1 The technical consultant may observe and/or participate in the Commissioning activities.

ARTICLE 4 – CONTRACT TIME

4.1 **Design Schedule**

- 4.1.1 Contract Time shall start with the Notice to Proceed (NTP) and end with an agreed upon construction GMP.
- 4.1.2 The City shall issue a NTP letter establishing the mutually agreed upon NTP date for this Agreement and design.
- 4.1.3 The Design-Builder shall provide a detailed Project Schedule of the design activities within seven (7) Days after the NTP. The detailed schedule shall identify specific work tasks, major coordination activities, milestone activities or dates, and all utility or regulatory permit submittal deliverable dates.
- 4.1.3.1 The Project Schedule shall provide fourteen (14) Days to be used by the City or its designee for reviews and approvals for any interim design submissions pursuant to section 2.7.
- 4.1.3.2 Failure on the part of the Design-Builder to adhere to the Project Schedule may be the basis for termination of this Agreement by the City.
- 4.1.3.3 The agreed upon baseline project schedule shall not be modified without prior written approval by the City, based on an approved change order or time extension.
- 4.1.4 Design-Builder agrees that it will commence performance of the Work and achieve Performance Periods and the Contract Time.
- 4.1.5 All of the times set forth in this Article 4 or by amendments to this Agreement shall be subject to adjustment in accordance with Article 6.

4.2 **Construction Schedule**

- 4.2.1 Each approved GMP proposal shall include a construction Project Schedule as prescribed in section 2.4 with a CPM diagram construction schedule that will indicate the path of critical activities and establish the Performance Period encompassed by the GMP. The Design- Builder will maintain the construction schedule throughout the construction.

4.3 **Substantial Completion**

- 4.3.1 Substantial Completion shall be for the entire Project unless a partial Substantial Completion is identified in the approved GMP schedule and stated in the Notice to Proceed letter. Substantial Completion shall be in accordance with its definition in Article 1 and with the criteria set forth in the Notice to Proceed.

- 4.3.2 Prior to notifying the City in accordance with section 4.3.3 below, the Design-Builder shall inspect the construction and prepare and submit to the City a comprehensive list of items to be completed or corrected. The Design-Builder 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 Design-Builder to complete all construction in accordance with the Construction Documents.
- 4.3.3 Design-Builder shall notify City when it believes the construction, or a portion of the construction, is substantially complete.
- 4.3.4 Within five Days of City's receipt of Design-Builder's notice, City and Design-Builder will jointly inspect such construction to verify that it is substantially complete in accordance with the requirements of the Construction Documents.
- 4.3.5 If such construction is substantially complete, City shall prepare and issue a Certificate of Substantial Completion that will set forth (i) the date of Substantial Completion of the construction or portion thereof, (ii) the remaining items of construction that have to be completed within thirty Days before Final Acceptance, (iii) provisions (to the extent not already provided in the Contract Documents) establishing City's and Design-Builder's responsibility for the Project's security, maintenance, utilities and insurance pending Final Acceptance, and (iv) an acknowledgment that warranties commence to run on the date of Substantial Completion, except as may otherwise be noted in the Certificate of Substantial Completion.
- 4.3.6 City, at its option, may use a portion of the construction which has been determined to be substantially complete, provided, however, that (i) a Certificate of Substantial Completion has been issued for the portion of construction addressing the items set forth in section 4.3.5 above, (ii) Design-Builder and City have obtained the consent of their sureties and insurers, and to the extent applicable, the appropriate government authorities having jurisdiction over the Project, and (iii) City and Design- Builder agree that City's use or occupancy will not interfere with Design-Builder's completion of the remaining construction.

4.4 **Final Completion and Acceptance**

- 4.4.1 The Work, or identified portions of the Work must be finally complete within thirty Days from the date the Certificate of Substantial Completion is issued unless there is a written agreement of the parties that establishes another date for Final Completion. Upon receipt of written notice that the construction or identified portions of the Work is ready for final inspection and acceptance, City and Design-Builder will jointly inspect to verify that the remaining items of Work have been completed as set forth in section 4.3.5. The City will issue a Final Acceptance letter when the City finds the Work or identified portions of the Work to be finally complete.

4.5 **Liquidated Damages**

4.5.1 Substantial Completion

- 4.5.1.1 Design-Builder understands that if Substantial Completion is not attained within the Contract Time as may be adjusted, City will suffer damages which are difficult to determine and accurately specify.
- 4.5.1.2 Well Drilling and Design: Design-Builder agrees that if Substantial Completion is not attained within the Contract Time as may be adjusted, Design-Builder shall pay the City \$710.00 per day as liquidated damages, and not as a

penalty, for each Day that Substantial Completion extends beyond the date determined by the Contract Time as adjusted and further agrees that such amount is reasonable under the circumstances.

- 4.5.1.3 GMP for Construction: Design-Builder agrees that if Substantial Completion is not attained within the Contract Time as may be adjusted, Design-Builder shall pay the City \$ 1,420 per day as liquidated damages, and not as a penalty, for each Day that Substantial Completion extends beyond the date determined by the Contract Time as adjusted and further agrees that such amount is reasonable under the circumstances.

4.5.2 Final Completion

- 4.5.2.1 Design-Builder understands that if Final Completion is not attained within the time allowed in section 4.4 above, as may be adjusted, the City will suffer damages which are difficult to determine and accurately specify. Design-Builder agrees that if Final Completion is not attained within the specified time as may be adjusted, Design-Builder shall pay the City (to be determined separately for each GMP) as liquidated damages, and not as a penalty, for each Day that Final Completion extends beyond the date for Final Completion as determined by the Agreement and further agrees that such amount is reasonable under the circumstances.

ARTICLE 5 – CONTRACT PRICE

5.1 Contract Price

- 5.1.1 The Contract Price will be the amounts prescribed for design in section 5.2 below plus GMPs and Owner's Contingency.
- 5.1.2 The Contract Price is subject to adjustments made in accordance with Article 6 and by amendment.
 - 5.1.2.1 GMP amendments are cumulative except for contingency. The amount of contingency for each GMP amendment will be negotiated separately.
 - 5.1.2.2 If the GMP requires an adjustment due to changes in the Work, the cost of such changes is determined subject to Article 6. The markups that shall be allowed on such changes shall be no greater than the markups delineated in the approved GMP.
- 5.1.3 Unless otherwise provided in the Contract Documents, the Contract Price is deemed to include all sales, use, consumer and other taxes which are legally enacted when negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

5.2 **Design**

- 5.2.1 The Design-Builder's fee for providing, through personnel employed by Design-Builder or procured from qualified Subconsultants, Design Services and GMP preparation for the construction of the New COG Well #26 and Raw Water Transmission Main. The Fee Schedules in Exhibit A shall determine the basis for payment depending on how and when the individual Sites become available. Any savings from the design shall revert to the City for use during construction.
- 5.2.2 The Contract fees for Design-Builder and Subconsultants are based upon the approved cost proposal dated August 29, 2018 attached hereto as Exhibit A.

5.3 **GMP**

- 5.3.1 At the end of the design phase or at a time determined by the City, the City will request the Design- Builder to provide a GMP or series of GMP's at the same or different times. The approved GMP(s) will be made part of this Agreement by amendment. The GMP(s) will include amounts for completion of design, if applicable, in the same format as prescribed above and a price for construction in accordance with section 5.3.3.
- 5.3.2 The Design-Builder guarantees to bring the completion of the design and construction within the GMP or Design-Builder alone will be required to pay the difference between the actual cost and the GMP.
- 5.3.2.1 Any savings of the Design-Builder's bid contingency used to buy out the construction at the conclusion of the selection of Subcontractors may be used during construction by the Owner as a construction contingency.
- 5.3.2.2 Any savings realized during construction may be, at the City's sole discretion, incorporated into the construction of the Project to fund additional scope items or will be returned to the City upon the City's request.
- 5.3.3 The GMP is composed of the following not-to-exceed cost reimbursable or lump sum amounts defined below.
- 5.3.3.1 The Cost of the Work is actual costs and is a not-to-exceed reimbursable amount.
- 5.3.3.2 The General Conditions Costs are firm fixed lump sum amount which will include bonds and insurance premiums based on the full Contract Price for construction. However, the premium cost component for bonds and insurance shall be adjusted at the end of the Construction Phase to reflect the actual final premium costs paid by the Design-Builder for bonds and insurance.
- 5.3.3.3 The Construction Fee is a fixed percentage of 10.0% applied to the total Design-Builders cost of the work included in the GMP.
- 5.3.3.4 Design-Builder's Contingency is an amount the Design-Builder may use under the following conditions: (1) at its discretion for increases in the Cost of the Work, or (2) with written approval of the City for increases in General Condition Costs. Design-Builder Contingency is assumed to be a direct Project cost so will receive all markups at the time of GMP submission.

- 5.3.3.5 Taxes are deemed to include all sales, use, consumer and other taxes which are legally enacted when negotiations of the GMP were concluded, whether or not yet effective or merely scheduled to go into effect. Taxes are actual costs and are a not-to-exceed reimbursable amount.
 - 5.3.3.6 When the Design-Builder utilizes Design-Builder's Contingency funds, the Design-Builder shall make the appropriate changes to the Schedule of Values with the next regular progress Payment Request. The Design-Builder shall deduct the amount of Design-Builder's Contingency funds used from the Design-Builder's Contingency line item and add the same amount to the line item on the Schedule of Values where the funds were used. If the Design-Builder's Contingency funds are used for a new line item that was not given with the original Schedule of Values, that will be so indicated.
- 5.3.4 The Owner's Contingency is funds to be used at the sole discretion of the City to cover any increases in Project costs that result from City directed changes, Differing Site Conditions, or as the City may otherwise elect. Owner's Contingency will be added to the GMP amount provided by the Design-Builder, the sum of which will be the full Contract Price for construction. Markups for Construction Fee and taxes will be applied by the Design-Builder at the time that Owner's Contingency is used.
- 5.3.5 GMPs are cumulative. The amount of Design-Builder Contingency for each GMP amendment will be negotiated separately and shall reflect the Design-Builder's risk from that point in the Project forward.
- 5.4 **GMP Proposal**
- 5.4.1 When requested, the Design-Builder shall submit three sets of the approved sealed design submittal to be used to establish the GMP.
- 5.4.1.1 The Design-Builder shall sign and date the face of each document of each set used as the basis of the proposed GMP.
 - 5.4.1.2 The Design-Builder shall send two sets of these documents to the City's Representative, while keeping one set for itself.
- 5.4.2 The GMP proposal shall include:
- 5.4.2.1 A list of the documents including the latest approved plans, specifications, engineering reports and design criteria, with latest issuance date including all addenda thereto which were used in preparation of the GMP proposal;
 - 5.4.2.2 A list of allowances and a statement of their basis;
 - 5.4.2.3 A list of the clarifications and assumptions made by the Design-Builder in the preparation of the GMP proposal, to supplement the information contained in the documents;

- 5.4.2.4 A summary of the GMP with a total for each of the components of the GMP as shown in Exhibit B. On the table the percentages requested should be calculated as the percent of the "Total Construction Cost." The sub-amount shown under General Conditions should be included in the General Conditions amount.
- 5.4.2.5 A spread sheet showing the basis for professional services, with hours and hourly costs for basic services and Subconsultant services indicating overhead and profit.
- 5.4.2.6 A list and estimated cost of reimbursables and other not-to exceed costs.
- 5.4.2.7 An itemized detail of any costs proposed to be included in the General Conditions.
- 5.4.2.8 A statement of proposed additional services, if any.
- 5.4.2.9 The GMP shall include in the Cost of the Work those taxes that are applicable at the time the GMP is executed. If, in accordance with the City's express written direction an exemption is claimed for taxes, the City agrees to indemnify, defend and hold Design-Builder harmless for any liability, penalty, interest, fine, tax assessment, attorney's fees or other expense or cost incurred by Design- Builder as a result of any action taken by Design-Builder in accordance with the City's direction relative to the taxes as described in this section only.
- 5.4.2.10 The GMP shall exclude the actual costs of any jurisdictional or regulatory agency permit or fee as well as those for testing and inspection services that are to be paid per section 2.8. However, a detailed estimate of all anticipated direct costs for permits, fees, inspection and testing shall be attached to the GMP.
- 5.4.2.11 A Schedule of Values for the construction, with the costs organized by subcontract categories, allowances, contingency, General Conditions Costs, and the Design-Builder's construction phase fee.
- 5.4.2.12 A Project Schedule as prescribed in section 4.2 and establishing the Performance Period and the Scheduled Substantial Completion Date.
- 5.4.2.13 The updated CMP as prescribed in section 2.6.
- 5.4.2.14 The street or physical address of the Site of the Work for each GMP, phased GMP, or separate location at which Work, or a portion of the Work, will be performed shall be set forth in each GMP amendment.

5.5 **GMP Approval**

- 5.5.1 The Design-Builder shall meet with the City to review the GMP proposal and the written statement of its basis. In the event that the City discovers any inconsistencies or inaccuracies in the information presented, the City shall notify the Design-Builder, who shall make appropriate adjustments to the GMP proposal, its basis or both.
- 5.5.2 Upon receiving the GMP proposal from the Design-Builder, the City may submit the same documents that were used by Design-Builder in developing its GMP to an independent third

party for review and verification. The third party shall develop an independent estimate and review the CPM schedule.

- 5.5.2.1 If the Design-Builder's GMP proposal is greater than the independent third party estimate, the City may require the Design-Builder to reconfirm its proposal.
- 5.5.2.2 The Design-Builder shall describe the differences between the two, and explain why it's GMP reflects the scope of the Work and is correct.
- 5.5.3 If the City accepts the Design-Builder's GMP proposal and the GMP proposal is within the City's budget, the City may accept the Design-Builder's GMP proposal without comment. If the GMP proposal exceeds the City's budget, the City must indicate in writing to the Design-Builder that the budget has been increased to fund the excess cost.
- 5.5.4 If the City accepts the Design-Builder's GMP, the City and the Design-Builder will execute an amendment to this Agreement for the GMP amending the Contract Price and establishing the Performance Period and the Contract Time.
- 5.5.5 The City shall authorize and cause the Design-Builder to revise the documents to the extent necessary to reflect the agreed-upon assumptions and clarifications contained in the GMP proposal.
- 5.5.6 After final submission of the GMP the City may, at the City's sole discretion and for any or no reason, accept or reject the GMP. If the City rejects the Design-Builder's GMP, the City may terminate the Design-Builder's Contract. If the Contract is terminated pursuant to this section, the Design-Builder's compensation shall be limited to the direct cost of its completed Work and materials supplied as of the date of termination. Design-Builder shall not be entitled to any unearned or anticipated profit or overhead. If the Contract is terminated pursuant to this section, Design-Builder shall deliver to the City all drawings, plans, specifications, special provisions, estimates and other work entirely or partially completed, together with all unused materials supplied by the City. Design-Builder shall deliver all material within a reasonable agreed upon timeframe.

ARTICLE 6 – CHANGES TO CONTRACT PRICE AND TIME

6.1 Delays

- 6.1.1 If Design-Builder is delayed in the performance of the Work that will cause a change in the date of Substantial Completion due to acts, omissions, conditions, events, or circumstances beyond its control and due to no fault of its own or of those for whom Design-Builder is responsible, the Contract Times for performance may be reasonably extended by Change Order.
- 6.1.2 The Design-Builder shall request an increase in the Contract Time by written notice including an estimate of probable effect of delay on progress of the Work.
 - 6.1.2.1 In the case of a continuing delay only one request is necessary.
 - 6.1.2.2 Written notice by the Design-Builder shall be provided to the City within thirty (30) Days of the commencement of the cause.

- 6.1.2.3 If written notice is received by the City more than thirty (30) Days after commencement of the cause, the period of delay shall be deemed to commence thirty (30) Days prior to the giving of such notice.
- 6.1.3 By way of example, events that may entitle Design-Builder to an extension of the Contract Time include acts or omissions of City or anyone under City's control (including separate contractors), changes in the Work, Differing Site Conditions, hazardous conditions, delays by regulating agencies, wars, floods, labor disputes, unusual delay in transportation, epidemics abroad, earthquakes, adverse weather conditions not reasonably anticipated, and other acts of God.
- 6.1.4 If adverse weather conditions are the basis for a request for additional Contract Time, such requests shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that weather conditions had an adverse effect on the scheduled Substantial Completion.
- 6.1.5 It is understood, however, that permitting the Design-Builder to proceed to complete any Work, or any part of the Work, after the date to which the time of completion may have been extended, shall in no way act as a waiver on the part of the City of any of its legal rights herein.
- 6.1.6 In addition to Design-Builder's possible right to a time extension for those events set forth in this section, Design-Builder may also be entitled to an appropriate adjustment of the Contract Price provided, however, that the Contract Price shall not be adjusted for those events set forth in this section that are beyond the control of both Design-Builder and City, including the events of war, floods, labor disputes, earthquakes, epidemics, adverse weather conditions not reasonably anticipated, and other acts of God.

6.2 Differing Site Conditions

- 6.2.1 If Design-Builder encounters a Differing Site Condition, Design-Builder may be entitled to a Change Order to adjust the Contract Price and/or Contract Time(s) to the extent Design-Builder's cost and/or time of performance are impacted by the Differing Site Condition. A Differing Site Condition is an unknown physical condition at the site of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.
- 6.2.2 Upon encountering a Differing Site Condition, Design-Builder shall provide prompt written notice to City of such condition, which notice shall not be later than seven Days after such condition has been encountered. Design-Builder shall, to the extent reasonably possible, provide such notice before the Differing Site Condition has been substantially disturbed or altered.
- 6.2.3 The City will not adjust the contract if (i) Design-Builder fails to provide notice required by this section or (ii) if the differing site condition does not change the project schedule or cost.
- 6.2.4 This provision does not limit the Design-Builder's duty to visit the project site and become generally familiar with the general and local conditions under which the work is to be performed which could affect the Design-Builder's work.

6.3 Legal Requirements

- 6.3.1 The Contract Price and/or Contract Time(s) shall be adjusted by Change Order to compensate Design-Builder for the effects of any changes in the Legal Requirements enacted after the date of this Agreement negatively affecting the performance of the Work, or if a Guaranteed Maximum Price is established after the date of this Agreement, the date the parties agree upon the Guaranteed Maximum Price. Such effects may include, without limitation, revisions Design-Builder is required to make to the Construction Documents because of changes in Legal Requirements.

6.4 City Requested Change in Work

- 6.4.1 The City reserves the right to make, at any time during the progress of the Work, such alterations as may be found necessary or desirable in the City's sole discretion.
- 6.4.2 Such alterations and changes shall not invalidate this Agreement, and the Design-Builder agrees to perform the Work as altered, the same as if it has been a part of the original Contract.
- 6.4.3 Upon receipt of a request for proposal for a change in Work, the Design-Builder shall prepare a proposal in significant detail, using the rates and markups established in the Contract Documents as a basis of the Contract Price adjustment. The Design-Builder's proposal shall include a detailed description of any schedule impact.
- 6.4.4 City and Design-Builder shall negotiate in good faith and as expeditiously as possible the appropriate adjustments. Upon reaching an agreement, the parties shall prepare and execute an appropriate Change Order reflecting the terms of the adjustment.
- 6.4.5 If City requests a proposal for a change in the Work from Design-Builder and subsequently elects not to proceed with the change, a Change Order may be issued to reimburse Design-Builder for reasonable costs incurred for estimating services and other services involved in the preparation of proposed revisions to the Contract Documents.

6.5 Minor Changes

- 6.5.1 The City may make minor changes in the Work that do not involve an adjustment in the Contract Price and/or Contract Time(s) and do not materially and adversely affect the Work, including the design, quality, performance and workmanship required by the Contract Documents. Design-Builder may make minor changes in the Work consistent with the intent of the Contract Documents, provided, however that Design-Builder shall immediately inform City, in writing, of any such changes and record such changes on the documents maintained by Design-Builder.

6.6 Emergencies

- 6.6.1 In any emergency affecting the safety of persons and/or property, Design-Builder shall act, at its discretion, to prevent threatened damage, injury or loss. Any change in the Contract Price and/or Contract Time on account of emergency work shall be determined as provided in this Article 6.

ARTICLE 7- PROCEDURE FOR PAYMENT

7.1 Request for Payment for Design Services

- 7.1.1 Design-Builder will be paid 100% of the amount earned for Design Services minus the value or cost arising from any deficiencies or defects in the Design Services.
- 7.1.2 The Design-Builder shall pay all sums due to Subconsultants for services and reimbursable expenses within fourteen calendar Days after the Design-Builder has received payment for those services from the City.
- 7.1.3 Requests for monthly payments by the Design-Builder shall be submitted on a "Payment Request" form acceptable to the City and shall be accompanied by a design progress report, detailed invoices and receipts, if applicable. This submittal shall include, as a minimum, a narrative description of the tasks accomplished during the billing period, a listing of any Deliverables submitted, and the Subconsultants' actual requests for payment plus similar narrative and listing of their Work.
- 7.1.4 After approved completion of design and GMP(s) for the total construction of the Project in accordance with section 2.7 and 5.3, Design-Builder will be paid 100% of the amount for Design Services less the total of payments previously made, subject to section 7.1.1.
- 7.1.5 Payments for those services negotiated as a lump sum shall be made in accordance with the percentage of the services completed during the preceding month. Those services negotiated as a not-to-exceed fee shall be paid in accordance with the actual cost of the service expended during the preceding month.
- 7.1.6 All Payment Requests shall be submitted to the City for review and approval.

7.2 Request for Payment for Construction Services

- 7.2.1 The Design-Builder agrees at its own cost and expense, to perform all construction, as called for by this Agreement free and clear of all claims, liens, and charges whatsoever, in the manner and under the conditions specified within the time, or times, stated in this Agreement.
- 7.2.2 The Schedule of Values submitted as prescribed in section 2.11.4, subject to adjustment in accordance with this Agreement will serve as the basis for monthly progress payments made to Design-Builder throughout the construction.
- 7.2.3 Design-Builder shall submit to City's Representative the construction phase services "Payment Request" form acceptable to the City no later than the 10th of each month for Services provided during the prior month. City shall pay Contractor within 14-days from the date the City receives a complete correct and approved invoice.
- 7.2.4 At least five (5) working Days prior to the date established for a Payment Request, the Design-Builder shall submit an updated Project Schedule and meet with the City's Representative to review the progress of the construction, as it will be reflected on the Payment Request.
- 7.2.5 The Design-Builder Payment Request may request payment for equipment and materials

not yet incorporated into the Project if construction progress is in reasonable conformance with the approved schedule.

7.2.5.1 For equipment and materials suitably stored at the Site, the equipment and materials shall be protected by suitable insurance and City shall receive the equipment and materials free and clear of all liens and encumbrances.

7.2.5.2 For materials and equipment stored off the Site, the City must approve the storage facility. The material and equipment must be stored within Maricopa County or other sites as may be approved and be accessible for City's inspection. The Design-Builder must establish City title to such materials and equipment or otherwise protect the City's interest and shall include applicable insurance, bonding, storage and transportation to the Site.

7.2.5.3 All bonds and insurance required for stored materials shall name the City as the loss payee to the extent of its interest in the stored materials.

7.2.6 The Payment Request shall constitute Design-Builder's representation that the Work has been performed consistent with the Contract Documents, has progressed to the point indicated in the Payment Request, and all construction will pass to City free and clear of all claims, liens, encumbrances, and security interests upon the incorporation of the construction into the Project.

7.3 **Progress Payment**

7.3.1 City shall make payment in accordance with A.R.S. 34-609 such that payment will be made no later than 14-days after Payment Request is certified and approved. City shall review Payment Request and make recommendation of approval or denial within seven Days after City's receipt of each properly submitted and accurate Payment Request, but in each case less the total of payments previously made, and less amounts properly withheld under section 7.4.2 below.

7.3.2 City shall pay Design-Builder all amounts properly due. If City determines that Design-Builder is not entitled to all or part of the Payment Request, it will notify Design-Builder in writing at least seven Days after the date the Payment Request is received by the City. The notice shall indicate the specific amounts City intends to withhold, the reasons and contractual basis for the withholding, and the specific measures Design-Builder must take to rectify City's concerns. Design-Builder and City will attempt to resolve City's concerns. If the parties cannot resolve such concerns, Design-Builder may pursue its rights under the Contract Documents, including those under Article 8 hereof.

7.3.3 Notwithstanding anything to the contrary in the Contract Documents, City shall pay Design-Builder all undisputed amounts in a Payment Request within the times required by the Agreement.

7.4 Retention on Progress Payments

- 7.4.1 City will retain ten percent (10%) of the amount on each construction phase Payment Request provided, however, that when fifty percent (50%) of the construction has been completed by Design-Builder, upon request of the Design-Builder, City may reduce the amount retained to five percent (5%) from Design-Builder's subsequent Payment Requests, if the Design-Builder's performance of construction has been satisfactory.
- 7.4.2 In lieu of retention, City will, at the option of Design-Builder, accept security as provided in ARS 34-221.

7.5 Substantial Completion

- 7.5.1 Upon Substantial Completion of the entire construction or, if applicable, any portion of the construction, City shall release to Design-Builder all retained amounts relating, as applicable, to the entire Work or completed portion of the Work, less an amount up to two and one half times (2.5) the reasonable value of all remaining, deficient or incomplete items of construction as noted in the Certificate of Substantial Completion.

7.6 Final Payment

- 7.6.1 After receipt of a final Payment Request from Design-Builder, City shall make final payment within 60 Days after the receipt by the City, provided that a Final Acceptance Letter has been issued by the City in accordance with section 4.4.
- 7.6.2 At the time of submission of its final Payment Request, Design-Builder shall provide the following information:
- 7.6.2.1 An affidavit that there are no claims, obligations or liens outstanding or unsatisfied for labor, services, material, equipment, taxes or other items performed, furnished or incurred for or in connection with the construction which will in any way affect City's interests.
- 7.6.2.2 A general release executed by Design-Builder waiving, upon receipt of final payment by Design-Builder, all claims, except those claims previously made in writing to City and remaining unsettled at the time of final payment, and
- 7.6.2.3 Consent of Design-Builder's surety, if any, to final payment.

7.7 Payments to Subcontractors or Suppliers

- 7.7.1 Design-Builder shall pay its Subcontractors or Suppliers within seven Days of receipt of each progress payment from the City. The Design-Builder shall pay for the amount of construction performed or materials supplied by each Subcontractor or Supplier as accepted and approved by the City with each progress payment. In addition, any reduction of retention by the City to the Design-Builder shall result in a corresponding reduction to Subcontractors or Suppliers who have performed satisfactory work. Design-Builder shall pay Subcontractors or Suppliers the reduced retention within fourteen Days of the payment of the reduction of the retention to the Design-Builder. No contract between Design-Builder and its Subcontractors and Suppliers may materially alter the rights of any Subcontractor or Supplier to receive prompt payment and retention reduction as provided herein.

- 7.7.2 If the Design-Builder fails to make payments in accordance with these provisions, the City may take any one or more of the following actions. Design-Builder agrees that the City may take such actions:
- 7.7.2.1 To hold the Design-Builder in default under this Agreement;
 - 7.7.2.2 Withhold future payments including retention until proper payment has been made to Subcontractors or Suppliers in accordance with these provisions;
 - 7.7.2.3 Reject all future offers to perform work for the City from the Design-Builder for a period not to exceed one year from Substantial Completion date of this Project.
 - 7.7.2.4 Terminate this Agreement.
- 7.7.3 If Design-Builder's payment to a Subcontractor or Supplier is in dispute, it shall act in compliance with A.R.S. § 32-1129.02 and related statutes as amended, and shall further hold the City harmless from any ensuing damages, claims or costs.
- 7.7.4 Should the City fail or delay in exercising or enforcing any right, power, privilege, or remedy under this section, such failure or delay shall not be deemed a waiver, release, or modification of the requirements of this section or of any of the terms or provisions thereof.
- 7.7.5 Design-Builder shall include these prompt payment provisions in every subcontract, including procurement of materials and leases of equipment for this Agreement.

7.8 **Record Keeping and Finance Controls**

- 7.8.1 Records of the Design-Builder's direct personnel payroll, reimbursable expenses pertaining to this Project and records of accounts between the City and Design-Builder shall be kept on a generally recognized accounting basis and shall be available for up to three years following Final Completion of the Project.
- 7.8.2 The City, its authorized representative, and/or the appropriate federal agency, reserve the right to audit the Design-Builder's records to verify the accuracy and appropriateness of all pricing data, including data used to negotiate Contract Documents and any change orders.
- 7.8.3 The City reserves the right to decrease Contract Price and/or payments made on this Agreement if, upon audit of the Design-Builder's records, the audit discloses the Design-Builder has provided false, misleading, or inaccurate cost and pricing data.
- 7.8.4 The Design-Builder shall include a similar provision in all of its agreements with Subconsultants and Subcontractors providing services under the Contract Documents to ensure the City, its authorized representative, and/or the appropriate federal agency, has access to the Subconsultants' and Subcontractors' records to verify the accuracy of cost and pricing data.
- 7.8.5 The City reserves the right to decrease Contract Price and/or payments made on this Agreement if the above provision is not included in Subconsultant's and Subcontractor's contracts, and one or more Subconsultants and/or Subcontractors do not allow the City to audit their records to verify the accuracy and appropriateness of pricing data.

ARTICLE 8- CLAIMS AND DISPUTES

8.1 Requests for Contract Adjustments and Relief

- 8.1.1 If either Design-Builder or City believes that it is entitled to relief against the other for any event arising out of or related to the Work, such party shall provide written notice to the other party of the basis for its claim for relief.
- 8.1.2 Such notice shall, if possible, be made prior to incurring any cost or expense and in accordance with any specific notice requirements contained in applicable sections of the Agreement.
- 8.1.3 In the absence of any specific notice requirement, written notice shall be given within a reasonable time, not to exceed twenty-one Days, after the occurrence giving rise to the claim for relief or after the claiming party reasonably should have recognized the event or condition giving rise to the request, whichever is later.
- 8.1.4 Such notice shall include sufficient information to advise the other party of the circumstances giving rise to the claim for relief, the specific contractual adjustment or relief requested and the basis of such request.

8.2 Dispute Avoidance and Resolution

- 8.2.1 The parties are fully committed to working with each other throughout the Project and agree to communicate regularly with each other at all times so as to avoid or minimize disputes or disagreements. If disputes or disagreements do arise, Design-Builder and City each commit to resolving such disputes or disagreements in an amicable, professional and expeditious manner so as to avoid unnecessary losses, delays and disruptions to the Work.
- 8.2.2 Design-Builder and City will first attempt to resolve disputes or disagreements at the field level through discussions between Design-Builder's Representative and City's Representative.
- 8.2.3 If a dispute or disagreement cannot be resolved through Design-Builder's Representative and City's Representative upon the request of either party, shall meet as soon as conveniently possible, but in no case later than thirty (30) Days after such a request is made, to attempt to resolve such dispute or disagreement. Prior to any meetings between the Senior Representatives, the parties will exchange relevant information that will assist the parties in resolving their dispute or disagreement.
- 8.2.4 Except as otherwise agreed by the parties, any litigation brought by either party against the other to enforce the provisions of this Agreement must be filed in the Maricopa County Superior Court and Arizona law shall apply and control. In the event any action at law or in equity is instituted between the parties in connection with this Agreement, the prevailing party in the action will be entitled to its costs including reasonable attorneys' fees and court costs from the non-prevailing party.

8.3 Duty to Continue Performance

- 8.3.1 Unless provided to the contrary in the Contract Documents, Design-Builder shall continue to perform the Work and City shall continue to satisfy its payment obligations to Design-Builder pending the final resolution of any dispute or disagreement between Design-Builder and City.

8.4 Representatives of the Parties

8.4.1 City's Representatives

8.4.1.1 City designates the individual listed below as its City's Representative, which individual has the authority and responsibility set forth in section 8.2.2:

Tim Burkeen, Senior Project Manager
City of Goodyear - Engineering
190 N Litchfield Road,
Goodyear, Arizona 85338

8.4.2 Design-Builder's Representatives

8.4.2.1 Design-Builder designates the individual listed below as its Senior Representative ("Design-Builder's Senior Representative"), which individual has the authority and responsibility for avoiding and resolving disputes under section 8.2.3:

David Giannetto, Principal
Felix Construction Company
1326 W. Industrial Drive
Coolidge, AZ 85128

8.4.2.2 Design-Builder designates the individual listed below as its Design-Builder's Representative, which individual has the authority and responsibility set forth in section 8.2.2:

David Giannetto, Principal
Felix Construction Company
1326 W. Industrial Drive
Coolidge, AZ 85128

ARTICLE 9 – SUSPENSION AND TERMINATION

9.1 City's Right to Stop Work

9.1.1 City may, at its discretion and without cause, order Design-Builder in writing to stop and suspend the Work. Immediately after receiving such notice, the Design-Builder shall discontinue advancing the Work specified under this Agreement.

9.1.2 Such suspension shall not exceed one hundred eighty (180) consecutive Days during the duration of the Project.

9.1.3 Design-Builder may seek an adjustment of the Contract Price and Time, if its cost or time to perform the Work has been adversely impacted by any suspension or stoppage of Work by City.

9.2 Termination for Convenience

9.2.1 Upon receipt of written notice to Design-Builder, City may, at its discretion and without cause, elect to terminate this Agreement. If the City suspends the Work for 181 consecutive Days or more, such suspension shall be deemed a termination for convenience.

9.2.2 Upon such termination during Design Services, the Design-Builder shall immediately deliver to the City all drawings, plans, specifications, special provisions, estimates and other Work entirely or partially completed, together with all unused materials supplied by the City within 10-calendar days.

- 9.2.2.1 The Design-Builder shall estimate the value of the Work it has completed and submit its appraisal to the City for evaluation. The City shall have the right to inspect the Subconsultant's Work to appraise the Work completed.
- 9.2.2.2 The Design-Builder shall receive compensation for services performed to the date of such termination as set forth in section 9.2.5. The fee shall be paid in accordance with Article 7 of this Agreement, and shall be an amount mutually agreed upon by the Design-Builder and the City. If there is no mutual agreement, the final determination shall be made in accordance with Article 8.
- 9.2.2.3 Design-Builder shall not be entitled to anticipated profit or anticipated overhead. In no event shall the fee exceed that set forth in Article 5 of this Agreement or as amended.
- 9.2.2.4 The City shall make the final payment within sixty Days after the Design-Builder has delivered the last of the partially completed items and the final fee has been agreed upon.
- 9.2.2.5 If City terminates this Agreement pursuant to this section and proceeds to design and construct the Project through its employees, agents or third parties, City's rights to use the work product shall be as set forth in section 12.4 hereof.
- 9.2.3 Upon such termination during construction services, the Design-Builder shall proceed with the following obligations:
 - 9.2.3.1 Stop Work as specified in the notice.
 - 9.2.3.2 Place no further subcontracts or orders.
 - 9.2.3.3 Terminate all subcontracts to the extent they relate to the Work terminated.
 - 9.2.3.4 Assign to the City all right, title and interest of the Design-Builder under the subcontracts terminated, in which case the City shall have the right to settle or to pay any termination settlement proposal arising out of those terminations.
 - 9.2.3.5 Take any action that may be necessary for the protection and preservation of the property related to the Contract that is in the possession of the Design-Builder and which the City has or may acquire an interest.
- 9.2.4 The Design-Builder shall submit complete termination inventory schedules no later than sixty (60) Days from the date of the notice of termination.
- 9.2.5 The City shall pay Design-Builder the following.
 - 9.2.5.1 The direct value of its completed Work and materials supplied as of the date of termination.
 - 9.2.5.2 The reasonable costs and expenses attributable to such termination.

- 9.2.5.3 Design-Builder shall be entitled to profit and overhead on completed Work only, but shall not be entitled to anticipated profit or anticipated overhead. If it appears the Design-Builder would have sustained a loss on the entire Work had the Project been completed, the Design-Builder shall not be allowed profit and the City shall reduce the settlement to reflect the indicated rate of loss.
- 9.2.6 The Design-Builder shall maintain all records and documents for three years after final settlement. These records shall be maintained and subject to auditing as prescribed in section 7.7.
- 9.3 **City's Right to Perform and Terminate for Cause**
- 9.3.1 If the City provides the Design-Builder with a written order to correct deficiencies to provide adequate maintenance of traffic, adequate cleanup, adequate dust control, or to repair damage resulting from abnormal weather conditions, and the Design-Builder fails to comply in a time frame specified, the City may have Work accomplished by other sources at the Design-Builder's expense.
- 9.3.2 If Design-Builder persistently fails to (i) provide a sufficient number of skilled workers, (ii) supply the materials required by the Contract Documents, (iii) comply with applicable Legal Requirements, (iv) timely pay, without cause, Subconsultants and/or Subcontractors, (v) prosecute the Work with promptness and diligence to ensure that the Work are completed by the Contract Time, as such times may be adjusted, or (vi) perform material obligations under the Contract Documents, then City, in addition to any other rights and remedies provided in the Contract Documents or by law, shall have the rights set forth in sections 9.3.3 and 9.3.4 below.
- 9.3.3 Upon the occurrence of an event set forth in section 9.3.2 above, City may provide written notice to Design-Builder that it intends to terminate the Agreement unless the problem cited is cured, or commenced to be cured, within seven (7) Days of Design-Builder's receipt of such notice.
- 9.3.3.1 If Design-Builder fails to cure, or reasonably commence to cure, such problem within such seven (7) Day period, then City may give a second written notice to Design-Builder of its intent to terminate within an additional seven (7) Day period.
- 9.3.3.2 If Design-Builder, within such second seven (7) Day period, fails to cure, or reasonably commence to cure, such problem, then City may declare the Agreement terminated for default by providing written notice to Design-Builder of such declaration.
- 9.3.4 Upon declaring the Agreement terminated pursuant to section 9.3.3.2 above, City may enter upon the Site and take possession, for the purpose of completing the Work, of all materials, equipment, scaffolds, tools, appliances and other items thereon, which have been purchased or provided for the performance of the Work, all of which Design-Builder hereby transfers, assigns and sets over to City for such purpose, and to employ any person or persons to complete the Work and provide all of the required labor, services, materials, equipment and other items.
- 9.3.5 In the event of such termination, Design-Builder shall not be entitled to receive any further payments under the Contract Documents until the Work shall be finally completed in accordance with the Contract Documents. At such time, the Design-Builder will only be entitled to be paid for Work performed and accepted by the City prior to its default.

- 9.3.6 If City's cost and expense of completing the Work exceeds the unpaid balance of the Contract Price, then Design-Builder shall be obligated to pay the difference to City. Such costs and expense shall include not only the cost of completing the Work, but also losses, damages, costs and expense, including attorneys' fees and expenses, incurred by City in connection with the re-procurement and defense of claims arising from Design-Builder's default.
- 9.3.7 If City improperly terminates the Agreement for cause, the termination for cause shall be converted to a termination for convenience in accordance with the provisions of section 9.2.

ARTICLE 10 – INSURANCE REQUIREMENTS & BONDS

- 10.1 The Design-Builder shall procure insurance coverage as described in section 10.3 against claims for injury to persons or damage to property which may arise from or in connection with this Contract by the Design-Builder and its agents, representatives, employees, subconsultants, subcontractors, and suppliers. The obligation to procure and maintain insurance continues until all of the Design-Builder and its subconsultants, subcontractors, and supplier's obligations under the Contract have been discharged, including any warranty periods. The Design-Builder shall cause all subcontracts to contain identical terms and conditions to those included in this Article.
- 10.2 The insurance requirements are minimum requirements for this Contract. The City in no way warrants that the minimum requirements set forth herein are sufficient to protect the Design-Builder from liabilities that might arise out of the performance of the work under the Contract by the Design-Builder, and its agents, representatives, employees, subconsultants, subcontractors, and employees. The Design-Builder is free to purchase such additional insurance as it may determine necessary. The amount and type of insurance coverage requirements set forth herein shall in no way be construed as limiting the scope of the indemnification obligations under this Contract.
- 10.3 **Minimum Scope and Limits of Insurance**
- 10.3.1 Without limiting any of its obligations or liabilities, the Design-Builder, at its own expense, shall purchase and maintain the minimum insurance specified below with companies duly licensed by the State of Arizona, Department of Insurance, and in a form reasonably satisfactory to the City. Each insurer shall have a current A.M. Best Company, Inc. rating of not less than A- and a category rating of not less than VIII. Use of alternative insurers requires prior approval from City. Insurance provided by Design-Builder shall be primary.

10.3.1.1 General Clauses

10.3.1.1.1 **Additional Insured**. Except for Workers' Compensation and Employer's Liability coverage, the City and its agents, representatives, directors, officials, employees, and officers shall be named as additional insureds on all policies for insurance coverage required by this Contract.

10.3.1.1.2 **Coverage** Term. All insurance required herein shall be maintained in full force and effect until work required to be performed under the terms of the Contract are satisfactorily completed and formally accepted; failure to do so may constitute a material breach of this Contract, at the sole discretion of the City.

- 10.3.1.1.3 **Primary Coverage.** The Design-Builder's shall be primary insurance. Any insurance carried by the City shall be excess coverage and not contributory coverage to that provided by the Design-Builder.
- 10.3.1.1.4 **Claim Reporting.** Any failure to comply with the claim reporting provisions of the policies or any breach of a policy warranty shall not affect coverage afforded under the policy to protect the City.
- 10.3.1.1.5 **Waiver.** The policies, except Workers' Compensation and Professional Liability, shall contain a waiver of transfer rights of recovery (subrogation) against the City, its agents, representatives, directors, officials, employees, and officers for any claims arising out of the work of the Design-Builder. The City does not waive subrogation on Workers' Compensation.
- 10.3.1.1.6 **Deductible/Retention.** The policies may provide coverage which contains deductibles or self-insured retentions. The Design-Builder shall be solely responsible for any deductible and/or self-insured retentions. If required by the City, the Design-Builder shall post a performance bond equal to the deductible or self-insured retention.
- 10.3.1.1.7 **Certificates of Insurance.** Prior to commencing services under this Contract, the Design-Builder shall furnish the City with Certificates of Insurance and additional insured endorsements, issued by Design-Builder's insurer(s), as evidence that policies providing the required coverages, conditions, and limits required by this Contract are in full force and effect and that the City is endorsed as an additional insured. These documents shall identify this Contract number and shall provide for not less than thirty (30) days advance Notice of Cancellation, Termination, or Material Alteration. Such certificates shall be sent directly to Victoria Jackson, CPPB, Procurement Officer, City of Goodyear, 190 N Litchfield Road, PO Box 5100, Goodyear, Arizona 85338.

10.4. **Workers' Compensation/Employer's Liability**

- 10.4.1 The Design-Builder shall maintain Workers' Compensation/Employer's Liability insurance to cover obligations imposed by federal and state statutes having jurisdiction over Design-Builder's employees engaged in the performance of the services.
- 10.4.2 The Design-Builder shall require all subcontractors to provide Workers' Compensation and Employer's Liability to at least the same extent as provided by Design-Builder.
- 10.5 **Automobile Liability** The Design-Builder shall maintain automobile liability insurance with a combined single limit for bodily injury and property damages of not less than \$1,000,000 each occurrence regarding any owned, hired, and non-owned vehicles assigned to or used in performance of the Design-Builder services. Coverage shall be at least as broad as coverage Code 1 "any auto" (Insurance Service Office policy form CA 0001 1/87 or any replacement thereof).
- 10.6 **Commercial General Liability** The Design-Builder shall maintain commercial general liability insurance with an unimpaired limit of not less than \$1,000,000 per occurrence and \$2,000,000

in the aggregate. The policy shall include coverage for premises-operations, products-completed operations, contractual liability, bodily injury and property damage, but shall not be limited to the liability assumed under the indemnification provisions of this Contract. Coverage shall be at least as broad as Insurance Service Office policy form CG 00 01 04 13 or any replacement thereof. The Certificate of Insurance for the commercial general liability policy shall expressly cover Design-Builder's indemnification obligations set forth in this Contract. The general liability insurance policy may not be written on a "claims made" basis.

- 10.7 **Professional Liability** The Design-Builder shall maintain professional liability insurance covering negligent errors and omissions arising out of the services performed by the DESIGN-BUILDER and any of its employees, with an unimpaired limit of not less than \$2,000,000 per claim and \$4,000,000 in the aggregate. The Design-Builder shall require each subcontractor to secure and maintain Professional Liability insurance sufficient for the protection of the portion of the work to be performed by such subcontractor on the same basis as above. The compilation of the total required insurance coverage under this paragraph shall remain the responsibility of Design-Builder.
- 10.7.1 In the event that professional liability insurance required by this Agreement is written on a "claims made" basis, coverage shall be maintained for two years past completion and acceptance of the Work or services required by this Contract.
- 10.8 **Umbrella/Excess Liability** The Design-Builder shall maintain umbrella/excess liability insurance with an unimpaired limit of not less than \$10,000,000 per occurrence combined limit bodily injury and property damage, that "follows form" and applies in excess of the commercial general liability, automobile liability, and employer's liability as required above.
- 10.9 **Pollution Liability** The Design-Builder shall maintain pollution liability insurance with a \$1,000,000 combined single limit each occurrence and \$2,000,000 combined single limit in the aggregate, and that provides coverage for sudden and accidental pollution damage to the environment by the Design-Builder while involved in the handling of hazardous substances.
- 10.10 **Builders' Risk Insurance or Installation Floater** During the Construction Phase the Design-Builder shall maintain builders' risk insurance or other installation floater in an amount equal to the initial Agreement amount plus additional coverage equal to Agreement amount for all subsequent Change Orders.
- 10.10.1 The City, the Design-Builder, Subcontractors, design professional and design professional's consultant and any others with an insurable interest in the Work shall be Named Insureds on the policy.
- 10.10.2 Coverage shall be written on an all risk, replacement cost basis and shall include coverage for soft costs, flood and earth movement.
- 10.10.3 Policy shall be maintained until whichever of the following shall first occur: (i) final payment has been made; or, (ii) until no person or entity, other than the City, has an insurable interest in the property required to be covered.
- 10.10.4 Policy shall be endorsed such that the insurance shall not be canceled or lapse because of any partial use or occupancy by the City.
- 10.10.5 Policy must provide coverage from the time any covered property becomes the responsibility of

the Design-Builder, and continue without interruption during construction, renovation, or installation, including any time during which the covered property is being transported to the construction installation site, or awaiting installation, whether on or off Site.

10.10.6 Policy shall contain a waiver of subrogation against the City.

10.10.7 Design-Builder is responsible for the payment of all policy deductibles.

10.11 **Verification of Insurance Coverage**

10.11.1 The Design-Builder shall furnish the City Certificates of Insurance (ACORD form or equivalent approved by the City) and with original endorsements effecting coverage as required by this Agreement. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. Any policy endorsements that restrict or limit coverages shall be clearly noted on the certificate of insurance.

10.11.2 All certificates and any required endorsements are to be received and approved by the City before work commences. Each insurance policy required by this Agreement must be in effect at or prior to the earlier of commencement of work under this Agreement or the signing of this Agreement and remain in effect for the duration of the Project. Failure to maintain the insurance policies as required by this Agreement or to provide evidence of renewal is a material breach of contract.

10.12 **Bonds and Other Performance Security**

10.12.1 Prior to execution of this Agreement and/or amendment to this Agreement for any Work that includes construction, the Design-Builder must provide a performance bond and payment bonds as outlined in solicitation 18-4334. The Design-Builder agrees to provide revised payment and performance bonds for all applicable change orders.

10.12.2 Each such bond shall be executed by a surety company or companies holding a Certificate of Authority to transact surety business in the state of Arizona, issued by the Director of the Arizona Department of Insurance. A copy of the Certificate of Authority shall accompany the bonds. The Certificate shall have been issued or updated within two years prior to the execution of the Agreement.

10.12.3 The bonds shall be made payable and acceptable to the City.

10.12.4 The bonds shall be written or countersigned by an authorized representative of the surety who is either a resident of the state of Arizona or whose principal office is maintained in this state, as by law required, and the bonds shall have attached thereto a certified copy of Power of Attorney of the signing official. If one Power of Attorney is submitted, it shall be for twice the total Contract amount. If two Powers of Attorney are submitted, each shall be for the total Contract amount. Personal or individual bonds are not acceptable.

10.12.5 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Agreement, the Design-Builder shall promptly furnish a copy of the bonds or shall permit a copy to be made.

10.12.6 All bonds submitted for this project shall be provided by a company which has been rated "A-or better" by the A.M. Best Company.

ARTICLE 11 - INDEMNIFICATION

11.1 Intellectual Property

- 11.1.1 The Design-Builder shall pay all royalties and license fees associated with its performance of services herewith.
- 11.1.2 The Design-Builder shall defend any action or proceeding brought against City based on any claim that the Work, or any part thereof, or the operation or use of the Work or any part thereof, constitutes infringement of any United States patent or copyright, now or hereafter issued. City shall give prompt written notice to Design-Builder of any such action or proceeding and will reasonably provide authority, information and assistance in the defense of same. Design-Builder shall indemnify, defend and hold harmless City from and against all damages and costs, including but not limited to attorneys' fees and expenses awarded against City or Design-Builder in any such action or proceeding. Design- Builder agrees to keep City informed of all developments in the defense of such actions.
- 11.1.3 If City is enjoined from the operation or use of the Work, or any part thereof, as the result of any patent or copyright suit, claim, or proceeding, Design-Builder shall at its sole expense take reasonable steps to procure the right to operate or use the Work. If Design-Builder cannot so procure such right within a reasonable time, Design-Builder shall promptly, at Design-Builder's option and at Design- Builder's expense, (i) modify the Work so as to avoid infringement of any such patent or copyright or (ii) replace said Work with Work that does not infringe or violate any such patent or copyright.
- 11.1.4 Sections 11.1.2 and 11.1.3 above shall not be applicable to any suit, claim or proceeding based on infringement or violation of a patent or copyright (i) relating solely to a particular process or product of a particular manufacturer required by City and not offered or recommended by Design-Builder to City and to which Design-Builder has objected in writing or (ii) arising from modifications to the Work by City or its agents after acceptance of the Work.
- 11.1.5 The obligations set forth in this section 11.1 shall constitute the sole agreement between the parties relating to liability for infringement of violation of any patent or copyright.

11.2 Indemnification

- 11.2.1 To the fullest extent permitted by law, Design-Builder shall defend, indemnify, save and hold harmless the City, its elected officials, officers, agents and employees (hereinafter referred to as "Indemnatee") for, from and against any and all claims, demands, actions, damages, judgments, settlements, personal injury (including sickness, disease, death and bodily harm), property damage (including loss of use), infringement, governmental action and all other losses and expenses, including attorney's fees and Litigation Expenses asserted by a third-party (i.e. a person or entity other than City or Design-Builder) and that is caused by, related to, arises out of, or alleged to have resulted from, in whole or in part, any negligent, reckless or intentional acts, errors, fault, mistakes, omissions, work, or service of the Design-Builder, its directors, officers, employees, agents, representatives, or any tier of subcontractors or any other person for whose acts, errors, fault, mistakes omissions, work or service the Design-Builder may be legally liable in the performance of this Contract.

The Indemnification provided hereunder shall extend to claims arising out of, or recovered

under, Arizona's Workers' Compensation Law or the failure of Design-Builder to conform to any applicable and appropriate law, rule, regulation or court decree. It is the specific intention of the Parties that the Indemnitee shall, in all instances, except for claims arising solely from the negligent or willful acts or omissions of the Indemnitee, be indemnified by Design-Builder from and against any and all claims. It is agreed that the Design-Builder will be responsible for primary loss investigation, defense and judgment costs where this indemnification is applicable. Design-Builder agrees to waive all rights of subrogation against Indemnitee for claims arising from the work performed by Design-Builder, its directors, officers, employees, agents, representatives, or any tier of subcontractors pursuant to this Contract. The provisions of Section 10 are irrevocable and perpetual, and shall survive the expiration or termination of this Contract.

- 11.2.2 Indemnification – Patent, Copyright and Trademark To the fullest extent permitted by law, Design-Builder agrees to defend, indemnify, save and hold harmless the City, its elected officials, officers, agents, and employees (hereinafter referred to as "Indemnitee") individually and collectively at Design-Builder's own expense, for, from and against any liability, including any and all expenses, losses, royalties, profits, judgments, damages, including all legal costs and expenses, court costs and attorney fees, for infringement of any patent, copyright, trademark and other proprietary rights of any third parties arising out of, related to or resulting from this Contract or use by the City of materials furnished or Services performed under this Contract. The City may be represented by, and actively participate through, its own counsel in such suit or proceedings, if it is so desires.

ARTICLE 12 - GENERAL PROVISIONS

12.1 Interpretation and Intent

- 12.1.1 The Contract Documents form the entire Agreement between City and Design-Builder and by incorporation herein are as fully binding on the parties as it repeated herein. No oral representations or other agreements have been made by the parties except as specifically stated in the Contract Documents.
- 12.1.2 The Contract Documents are intended to permit the parties to complete the Work and all obligations required by the Contract Documents within the Contract Times for the Contract Price. The Contract Documents are intended to be complementary and interpreted in harmony so as to avoid conflict, with words and phrases interpreted in a manner consistent with construction and design industry standards.
- 12.1.3 In the event of any inconsistency, conflict, or ambiguity between or among the Contract Documents, the Contract Documents shall take precedence in the order in which they are listed in the definition of Contract Documents in Article 1. In the event conflicts occur between the drawings and specifications, the Design-Builder is deemed to have estimated the more expensive method unless he has asked for and receive a written decision from the City determining which method or material will be required.

12.2 Time is of the Essence

- 12.2.1 City and Design-Builder mutually agree that time is of the essence with respect to the dates and times set forth in the Contract Documents.

12.3 **Mutual Obligations**

- 12.3.1 City and Design-Builder commit at all times to cooperate fully with each other, and proceed on the basis of trust and good faith, to permit each party to realize the benefits afforded under the Contract Documents.

12.4 **Work Product**

- 12.4.1 All Work products (electronically or manually generated) including but not limited to: cost estimates, studies, design analyses, original mylar drawings, Computer Aided Drafting and Design (CADD) file diskettes or CD's, and other related documents which are prepared or procured in the performance of this Agreement (collectively referred to as documents) are to be and remain the property of the City and are to be delivered to the City before the final payment is made to the Design-Builder or pursuant to section 9.2.1. In the event these documents are altered, modified or adapted without the written consent of the Design-Builder or the Subconsultants, which consent the Design-Builder or the Subconsultants shall not unreasonably withhold, the City agrees to hold the Design-Builder and the Subconsultants harmless to the extent permitted by law from any liability arising out of the City's alteration, modification or adaption of the documents.
- 12.4.2 City acknowledges Design-Builder's plans and specification as instruments of professional service. Nevertheless, the plans and specifications prepared under this Agreement shall become property of the City upon completion and approval of the Construction Documents and payment in full of all monies then due to Design-Builder for services, or upon termination of this Agreement at an earlier time and upon City payment of any pro rata amount due Design-Builder for Design Services at the time of such termination. Design-Builder shall not use the drawings and specifications, therefore, for any purpose not related to the Project without City's consent. City will not reuse, for matters unrelated to the Work any phase of the Work as set forth in the Scope of Work in Exhibit A and its subsequent usage, or make any modification to the plans and specifications without the prior written authorization of the Design-Builder. City agrees to hold the Design-Builder harmless, to the extent permitted by law, from any liability arising out of the City's modification or alteration of the Construction Documents without the written authorization of Design-Builder. The City specifically reserves the right to use or reuse any design concept, feature, or aspect of the Work incorporated into the plans and specifications in any subsequent City project. The City specifically reserves the right to use or reuse any design concept or aspect of the Work incorporated into the plans and specifications to complete the Project in the event that the City and Design-Builder are unable, after good faith efforts, to execute a GMP. Design-Builder shall incorporate such use rights into any agreement with a Subcontractor or consultant, and shall indemnify the City from any claims from such for copyright or patent infringement.
- 12.4.3 With this Agreement, the Design-Builder and its Subconsultants hereby grant a license to the City, its agents, employees, and representatives for an indefinite period of time to reasonably use, make copies, and distribute as appropriate the documents, works or Deliverables developed or created as a result of the Project and this Agreement and to which Design-Builder and its Subconsultants may retain rights. This license also includes the making of derivative works. In the event that the derivative works require the City to alter or modify the documents, then the provisions of section 12.4.1 apply.

12.5 **Assignment**

- 12.5.1 Design-Builder shall not, without the written consent of the City, assign, transfer or sublet any portion or part of the Work or the obligations required by the Contract Documents. Notwithstanding the City's consent to assignment, Contractor as Assignor, and the Assignee shall both remain liable under all rights, obligations, terms and conditions of the Contract.

12.6 **Successorship**

- 12.6.1 Design-Builder and City intend that the provisions of the Contract Documents are binding upon the parties and their successors and assigns.

12.7 **Third Party Beneficiary**

- 12.7.1 Nothing under this Agreement shall be construed to give any rights or benefits in the Agreement to anyone other than the City and the Design-Builder, their successors and assigns, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of City and the Design-Builder and not for the benefit of any other party.

12.8 **Governing Law**

- 12.8.1 The Agreement and all Contract Documents shall be deemed to be made under, and shall be construed in accordance with and governed by the laws of the State of Arizona without regard to the conflicts or choice of law provisions thereof. Any action to enforce any provision of this Agreement or to obtain any remedy with respect hereto shall be brought in the Superior Court, Maricopa County, Arizona, and for this purpose, each party hereby expressly and irrevocably consents to the jurisdiction and venue of such Court.

12.9 **Severability**

- 12.9.1 If any provision of this Agreement or the application thereof to any person or circumstance shall be invalid, illegal or unenforceable to any extent, the remainder of this Agreement and the application thereof shall not be affected and shall be enforceable to the fullest extent permitted by law.

12.10 **No Waiver**

- 12.10.1 The failure of either party to enforce any of the provisions of this Agreement or to require performance of the other party of any of the provisions hereof shall not be construed to be a waiver of such provisions, nor shall it affect the validity of this Agreement or any part thereof, or the right of either party to thereafter enforce each and every provision.

12.11 **Headings**

- 12.11.1 The headings used in this Agreement, or any other Contract Documents, are for ease of reference only and shall not in any way be construed to limit or alter the meaning of any provision.

12.12 **Notices**

- 12.12.1 Unless otherwise provided herein, all notices and demands under this Contract shall be in writing and shall be deemed to have been duly given and received either (a) on the date of

service if personally served on the party to whom notice is to be given, or (b) on the third day after the postmarked date if sent by first class United States mail, registered or certified, postage prepaid and properly addressed as follows:

To City:	Roric Massey, City Attorney City of Goodyear 190 N. Litchfield Road Goodyear, Arizona 85338
To Design-Builder	David Giannetto, Principal Felix Construction Company 1326 W. Industrial Drive Coolidge, AZ 85128
Copy to:	Tim Burkeen, Senior Project Manager City of Goodyear 190 N Litchfield Road Goodyear, Arizona 85338

12.12.2 **Notices Related to Payment, Securities-In-Lieu, Bonds**

Any notice, request, instruction or other document to be given under this Agreement by any party to any other party related to payment, securities-in-lieu, bonds or other instrument securing the performance of this Agreement, including but not limited to, bid bonds, performance bonds, or payment bonds shall be in writing and shall be delivered in person or by courier or mailed by certified mail, postage prepaid, return receipt requested and shall be deemed given upon (a) confirmation of receipt of a facsimile transmission, (b) confirmed delivery by hand or standard overnight mail or (c) upon the expiration of three (3) business Days after the Day mailed by certified mail, to the parties listed in section 8.4 with a copy to:

Victoria Jackson, CPPB
Procurement Officer
City of Goodyear
190 North Litchfield Road
Goodyear, Arizona 85338

or to such other place and with such other copies as either party may designate as to itself by written notice to the other party. Rejection, any refusal to accept or the inability to deliver because of changed address of which no notice was given shall be deemed to be receipt of the notice as of the date of such rejection, refusal or inability to deliver.

12.13 **Amendments**

12.13.1 The Contract Documents may not be changed, altered, or amended in any way except in writing signed by a duly authorized representative of each party.

12.14 **Compliance with Federal Laws**

12.14.1 Design-Builder understands and acknowledges the applicability of the Americans with Disabilities Act, the Immigration Reform and Control Act of 1986, and the Drug Free Workplace Act of 1989 to it. The Design-Builder agrees to comply with these laws in performing this Agreement and to permit the City to verify such compliance.

12.15 **Independent Contractor**

- 12.15.1 The Design-Builder is and shall be an independent contractor. Any provisions in this Agreement that may appear to give the City the right to direct the Design-Builder as to the details of accomplishing the Work or to exercise a measure of control over the Work means that the Design-Builder shall follow the wishes of the City as to the results of the Work only.

12.16 **City's Right of Cancellation**

- 12.16.1 All parties hereto acknowledge that this Agreement is subject to cancellation by the City pursuant to the provisions of section 38-511, Arizona Revised Statutes.

12.17 **Data Confidentiality**

- 12.17.1 As used in this Agreement, data means all information, whether written or verbal, including plans, photographs, studies, investigations, audits, analyses, samples, reports, calculations, internal memos, meeting minutes, data field notes, work product, proposals, correspondence and any other similar documents or information prepared by or obtained by the Design-Builder in the performance of this Agreement.
- 12.17.2 The parties agree that all data, including originals, images, and reproductions, prepared by, obtained by, or transmitted to the Design-Builder in connection with the Design-Builder's performance of this Agreement is confidential and proprietary information belonging to the City.
- 12.17.3 The Design-Builder shall not divulge data to any third party without prior written consent of the City. The Design-Builder shall not use the data for any purposes except to perform the services required under this Agreement. These prohibitions shall not apply to the following data provided the Design- Builder has first given the required notice to the City:
- 12.17.3.1 Data which was known to the Design-Builder prior to its performance under this Agreement unless such data was acquired in connection with Work performed for the City;
- 12.17.3.2 Data which was acquired by the Design-Builder in its performance under this Agreement and which was disclosed to the Design-Builder by a third party, who to the best of the Design-Builder's knowledge and belief, had the legal right to make such disclosure and the Design-Builder is not otherwise required to hold such data in confidence; or
- 12.17.3.3 Data, which is required to be disclosed by virtue of law, regulation, or court order to which the Design-Builder is subject.
- 12.17.4 In the event the Design-Builder is required or requested to disclose data to a third party, or any other information to which the Design-Builder became privy as a result of any other contract with the City, the Design-Builder shall first notify the City as set forth in this section of the request or demand for the data. The Design-Builder shall give the City sufficient facts so that the City can be given an opportunity to first give its consent or take such action that the City may deem appropriate to protect such data or other information from disclosure.

12.17.5 Unless prohibited by law, within ten (10) Days after completion of services for a third party on real or personal property owned or leased by the City, the Design-Builder shall promptly deliver, as set forth in this section, a copy of all data to the City. All data shall continue to be subject to the confidentiality agreements of this Agreement.

12.17.6 The Design-Builder assumes all liability for maintaining the confidentiality of the data in its possession and agrees to compensate the City if any of the provisions of this section are violated by the Design-Builder, its employees, agents or Subconsultants. Solely for the purposes of seeking injunctive relief, it is agreed that a breach of this section shall be deemed to cause irreparable harm that justifies injunctive relief in court.

12.18 **Conflict of Interest**

12.18.1 To evaluate and avoid potential conflicts of interest, the Design-Builder shall provide written notice to the City, as set forth in this section, of any work or services performed by the Design-Builder for third parties that may involve or be associated with any real property or personal property owned or leased by the City. Such notice shall be given seven (7) business Days prior to commencement of the Project by the Design-Builder for a third party, or seven (7) business Days prior to an adverse action as defined below. Written notice and disclosure shall be sent to the City Senior Representative identified in section 8.4.1.1.

12.18.2 Actions that are considered to be adverse to the City under this Agreement include but are not limited to:

12.18.2.1 Using data as defined in this Agreement acquired in connection with this Agreement to assist a third party in pursuing administrative or judicial action against the City;

12.18.2.2 Testifying or providing evidence on behalf of any person in connection with an administrative or judicial action against the City; and

12.18.2.3 Using data to produce income for the Design-Builder or its employees independently of performing the services under this Agreement, without the prior written consent of the City.

12.18.3 The Design-Builder represents that except for those persons, entities and projects identified to the City, the services to be performed by the Design-Builder under this Agreement are not expected to create an interest with any person, entity, or third party project that is or may be adverse to the interests of the City.

12.18.4 The Design-Builder's participation in any of the actions above or as set forth in this section shall constitute a material breach of this Agreement.

12.18.5 This Contract is subject to the conflict of interest provisions of A.R.S. Section 38-511.

12.19 **Legal Requirements**

12.19.1 Design-Builder shall perform the Work in accordance with all Legal Requirements and shall provide all notices applicable to the Work as required by the Legal Requirements.

12.20 **Confidentiality of Plans and Specifications**

- 12.20.1 Any plans or specifications the Design-Builder generates regarding this Project are for official use only. They may not be shared with others except as required to fulfill the obligations of the Design-Builder's Contract with the City.
- 12.20.2 All Record Documents, Shop Drawings and other plans or drawings prepared or submitted by the Design-Builder shall include the following language: "These plans are official use only and may not be shared with others except as required to fulfill the obligations of the Design-Builder's Contract with the City."

12.21 **Hazardous Materials**

- 12.21.1 Unless included in the Work, if the Design-Builder encounters onsite or as material to be incorporated in the Work any material which it reasonably believes to contain asbestos, polychlorinated biphenyl (PCB), or other hazardous substances or materials regulated by public health laws, it shall immediately stop work and report the condition to the City.
- 12.21.2 If the material is found to contain asbestos, PCB or other hazardous substances or materials regulated by public health laws, the Design-Builder shall not resume work in the affected area until the material has been abated or rendered harmless. The Design-Builder and the City may agree, in writing, to continue work in non-affected areas onsite.
- 12.21.3 An extension of Contract Time may be granted in accordance with Article 6.
- 12.21.4 The Design-Builder will comply with all applicable laws/ordinances and regulations and take all appropriate health and safety precautions upon discovery.
- 12.21.5 Notwithstanding the preceding provisions of this section 12.22, the City is not responsible for hazardous conditions introduced to the Site by Design-Builder, Subcontractors or anyone for whose acts they may be liable. Design-Builder shall indemnify, defend and hold harmless the City and City's officers, directors, employees and agents from and against all claims, losses, damages, liabilities and expenses, including attorneys' fees and expenses, arising out of or resulting from those hazardous conditions introduced to the Site by Design-Builder, Subcontractors or anyone for whose acts they may be liable.

12.22 **Design-Builder and Subcontractor Employee Security Inquiries**

- 12.22.1 The parties acknowledge that security measures required in this section are necessary in order to preserve and protect the public health, safety and welfare. In addition to the specific measures set forth below, Design-Builder shall take such other measures as it deems reasonable and necessary to further preserve and protect the public health, safety and welfare.

12.22.2 **Security Inquiries**

- 12.22.2.1 Design-Builder acknowledges that all of the employees that it provides pursuant to this Agreement shall be subject to background and security checks and screening ("Security Inquiries"). Design-Builder shall perform all such security inquiries and shall make the results available to City for all employees considered for performing Work (including supervision and oversight) under this Agreement. City may make further security inquiries. Whether or not further

security inquiries are made by City, City may, at its sole, absolute and unfettered discretion, accept or reject any or all of the employees proposed by Design-Builder for performing Work under this Agreement. Employees rejected by City for performing services under this Agreement may still be engaged by Design-Builder for other Work not involving the City. An employee rejected for work under this Agreement shall not be proposed to perform Work under other City Contracts or engagements without City's prior approval.

12.22.3 Criteria for Evaluating Security Inquiries

12.22.3.1 Once formally adopted by City, criteria for excluding an individual from performing Work under this Agreement shall be communicated by City to Design-Builder and used by Design-Builder as a factor in making its decision. Prior to such adoption, Design-Builder shall use its best judgment in making its decision using, among other criteria, applicable law, administrative regulations of federal, state and local agencies concerned with Work performed under this Agreement, specific local concerns that deal with the specific Work and Work location(s) of the project, and standards used by City in evaluating its own personnel.

12.22.4 Terms of This Provision Applicable to all of Design-Builder 's Contracts and Subcontracts

12.22.4.1 Design-Builder shall include the terms of this provision for employee background and security checks and screening in all Contracts and subcontracts for Work performed under this Agreement, including supervision and oversight.

12.22.5 Materiality of Security Inquiry Provisions

12.22.5.1 The Security Inquiry provisions of this Agreement, as set forth above, are material to City's entry into this Agreement and any breach thereof by Design-Builder may, at City 's option, sole and unfettered discretion, be considered to be a breach of Contract of sufficient magnitude to terminate this Agreement. Such termination shall subject Design-Builder to liability for its breach of Contract.

12.23 Computer Systems

12.23.1 Design-Builder shall warrant fault free performance in the processing of date and date-related data including, but not limited to calculating, comparing, and sequencing by all equipment and software products, individually and in combination, from the commencement of the Work. Fault free performance shall include the manipulation of data when dates are in the 20th or 21st centuries and shall be transparent to the user. Failure to comply with "Year 2000" requirements shall be considered a breach of Contract.

12.24 Traffic Control

12.24.1 Design-Builder will comply with all provisions of the latest version of the Manual on Uniform Traffic Control Devices and any other traffic control provisions as may be provided in the technical specifications.

12.25 **Covenant Against Contingent Fees**

- 12.25.1 The Design-Builder warrants that no person has been employed or retained to solicit or secure this Agreement upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, and that no member of the City Council, or any employee of the City has any interest, financially, or otherwise, in the Design-Builder's firm, or the firms of Design-Builder's Design Consultant, or Design-Builders other consultants or Subcontractors. For breach or violation of this warrant, the City shall have the right to annul this Agreement without liability, or at its discretion to deduct from the compensation or consideration, the full amount of such commission, percentage, brokerage, or contingent fee.

12.26 **Fair Treatment of Workers**

- 12.26.1 The Design-Builder shall keep fully informed of all Federal and State laws, County and City ordinances, regulations, codes and all orders and decrees of bodies or tribunals having jurisdiction or authority, which in any way affects the conduct of Work. The Design- Builder shall at all times observe and comply with all such laws, ordinances, regulations, codes. orders and decrees; this includes but is not limited to laws and regulations ensuring fair and equal treatment for all employees against unfair employment practices, including OSHA and the Fair Labor Standards Act (FLSA). The Design-Builder shall protect, defend and indemnify the City and its representatives against any claim or liability arising from or based on the violation of such, whether by itself or its employees.
- 12.27 All Work performed shall conform to all applicable to the City codes, ordinances and requirements as outlined in this Agreement. If there is a conflict in interpretation between provisions in this Agreement and those in Exhibit "A", the provisions in this Agreement shall prevail.

12.28 **Compliance with Federal Immigration Laws and Regulations**

- 12.28.1 Proposer warrants that it complies with all Federal Immigration laws and regulations that relate to its employees and complies with A.R.S. 23-214.A. Proposer acknowledges that pursuant to A.R.S. 41-4401 a breach of this warranty is a material breach of this Contract subject to penalties up to and including termination of this Contract, and that the City retains the legal right to inspect the papers of any employee who works on the Contract to ensure compliance with this warranty.

IN WITNESS WHEREOF, the person signing this Agreement below, warrants that they have full authority to do so and that their signatures shall bind the parties for which they sign.

CITY OF GOODYEAR

By: _____
Jacque Behrens, CPPB

Title: Procurement Manager

Date: _____

FELIX CONSTRUCTION COMPANY

By: _____
David Giannetto

Title: Principal

Date: 09.13.2018

ATTEST

By: _____
Darcie McCracken, City Clerk

APPROVED AS TO FORM

By: _____
Roric Massey, City Attorney

August 28, 2018

Tim Burkeen
Senior Project Manager
City of Goodyear
190 N Litchfield Rd
Goodyear, Arizona 85338

**Re: Well #26 and Raw Water Transmission Main
Design Scope and Fee (Revision 3)**

Dear Mr. Burkeen:

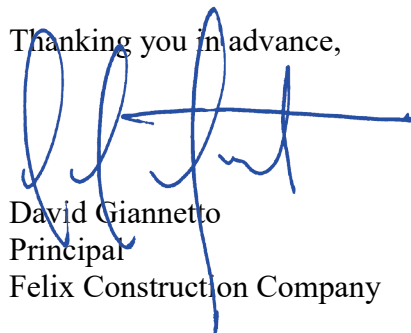
Attached for the City's review is the Felix draft scope of work and fee for the Well #26 and Raw Water Transmission Main.

This package includes all design services for installation and permitting of the new well, transmission main and RO improvements at Bullard Water Campus. As presented in our statement of qualifications, the Felix-Hazen Team includes subconsultants that will support the development of the Well #26 Final Design by providing specialized services as directed by Felix. Subconsultants include:

- LRE – Hydrogeology
- Victory Well Surveys – Geophysical Logging
- Ninyo & Moore – Geotechnical
- Pace Analytical – Water Quality Analytics

The DB Team greatly appreciates the opportunity to serve the City, and we would be pleased to discuss any questions or comments you may have on the attached. We are looking forward to getting started on this exciting project and we are available to meet with you at your earliest convenience to finalize the scope and fee and contract.

Thanking you in advance,



David Giannetto
Principal
Felix Construction Company

City of Goodyear

Well #26 and Water Transmission Main

City Project No. 18-4334

Scope of Work

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Overview

The City of Goodyear (COG) is currently embarking on a 10-year capital improvement program to shore up the existing water portfolio. Drilling Well #26 will provide needed redundancy and capacity to the City.

The Scope of Work includes the following tasks to be completed by the Felix/Hazen Design Build Team:

- Drilling and development of one new potable production well (not including site development or equipping)
- Well evaluation, design and testing,
- Preliminary engineering report for well equipping and RO treatment,
- Raw water transmission main design and easement coordination,
- Sewer system capacity evaluation,
- Cost models at 60% and 90% design,
- RO treatment expansion,
- Site/civil design,
- Electrical and controls work,

Our D-B team includes the subconsultant firms for support. Each team member and their respective roles is identified below.

Firm	Services/Disciplines
Felix Construction	Prime, Project Management/Construction Oversight, GMP preparation
Hazen and Sawyer	Design Engineer, Process Mechanical, Mechanical, Electrical, I&C, and Permitting
LRE	Well evaluation, testing, design and permitting support
Victory Well Surveys	Geophysical logging contractor
Ninyo & Moore	Geotechnical lab
Pace Analytical	Water Quality Analytics

100 Well Development and Design

110 Project Management and Coordination

This task series involves activities related to project management, client meetings, subcontractor and subconsultant contract management, and quality management.

Task 111 Site Health and Safety Plan, Safety Meetings. LRE will prepare a site-specific Health and Safety Plan (HASP) describing necessary health and safety protocol for field and subcontractor personnel for the duration of the project. The HASP will be developed in collaboration with the DB team and City staff and published by LRE for use by the project team.

Task 112 Contracts Administration. This task involves the administration of LRE's prime agreement with Hazen and Sawyer as well as its agreements with subcontractors. LRE will prepare, execute, and manage subcontract agreements with a geophysical logging contractor, a geotechnical laboratory, and an analytical testing laboratory. LRE will submit monthly invoices and progress reports that provide a summary of billing period activities, progress to date, budget versus plan, and schedule updates.

Subcontractors to be utilized:

- Victory Well Surveys - geophysical logging contractor,
- Ninyo and Moore - geotechnical laboratory,
- Pace Analytical, Inc. - analytical testing laboratories

Deliverables include the site-specific Health and Safety Plan and monthly invoices and progress reports.

120 Technical Specifications and Permitting

Task 121 Technical Specifications. LRE will prepare a detailed technical specification document for the Well #26 installation. The specifications will be consistent with the City's standards and will detail the requirements for drilling, well construction materials, construction methods, well development, and final testing. LRE will provide an electronic draft copy of the technical specifications to the DB team and the City for review and comment. LRE will provide an electronic copy and two (2) hard copies of the final, sealed technical specifications for inclusion in the DB teams bid documents for distribution to bidders.

Task 122 Well Permitting Assistance. All tasks associated with well permitting are included in Task 400.

Task 123 Driller Recommendations and Preconstruction Services. The DB Team will provide bid services in support of selecting a drilling contractor for well installation and testing. Felix will compile bid packages for submittal to a list of City-approved drilling contractors. The DB Team will respond to all applicable written questions from prospective bidders and issue addenda as required through the City's Procurement Officer. Prequalification of equipment, materials, and vendors during the bid period is not included. The DB Team project managers will attend a pre-bid meeting and site walk with prospective contractors prior to bid submittal, and will prepare any addenda or responses to Requests for Information (RFIs) that are submitted with regard to the technical specifications. The DB Team will evaluate and tabulate the submitted contractor bids, and determine the lowest responsive and responsible bidder, which will be recommended to the City of Goodyear staff for concurrence and approval.

This task also includes the DB Team project manager's attendance at a preconstruction meeting after a drilling contractor has been selected.

Deliverables include a draft (electronic) and final (2 hard copies) Drilling Technical Specification.

130 Well Drilling and Installation

This task series outlines the field activities associated with borehole drilling, field data collection and analysis, well design, well installation, and preparations for well testing.

Task 131 Borehole Drilling and Analysis. LRE will provide inspection services during the drilling of the pilot borehole on a daily basis (typically 8 hours per day, 7 days per week). LRE will analyze the drilled cuttings, collected at 10-foot intervals by the driller, and prepare a descriptive lithologic log of the drilled material. A sample of the drilled cuttings from each 10-foot interval will be placed in chip trays, which will be provided to the City for archival purposes. This Scope of Services assumes a pilot borehole depth of up to 1,000 feet will be drilled over a 10-day period.

Drilled cuttings from selected intervals of the borehole (up to five intervals) will be submitted for sieve analysis by a geotechnical laboratory with a rush turn-around time requested. The sieve analysis results will be used to determine the appropriate well screen slot size and filter pack bead size necessary to prevent sand invasion and maximize flow while the well is in use. LRE will subcontract with Ninyo and Moore for geotechnical laboratory services and costs for their services are included in this Scope of Services.

Task 132 Geophysical Logging. After the pilot borehole is drilled to total depth, geophysical logging will be conducted to provide additional subsurface hydrologic and geologic information through the use of multiple downhole tools. The information gained from the borehole geophysics is vital in gaining a thorough understanding of the local geology and hydrogeology, and will aid in the final well design. The reamed borehole will also be logged in addition to the final well for deviation. LRE will subcontract the geophysical logger and costs for their services to log a borehole up to 1,000 feet are included in this Scope of Services.

The recommended geophysical logging suite will include:

- Caliper log of the pilot boring;
- Caliper log of the reamed borehole;
- Electric log (resistivity and spontaneous potential);
- Natural gamma ray log;
- Guard log;
- Sonic (acoustic) log;
- Magnetic deviation log of the pilot borehole; and
- Magnetic deviation log of the reamed borehole.

Task 132 Depth-specific (Zonal) Groundwater Sampling, Testing, and Analysis. Based on the review of the geophysical and lithologic logs, LRE will select up to seven (7) discrete intervals for collection of depth-specific (zonal) groundwater samples. These depth-specific samples will be collected using the temporary well method. With this method, the drilling contractor constructs temporary gravel-enveloped wells, typically with 20-foot perforated intervals. Each sample interval will be isolated in the borehole with an upper and lower bentonite seal, which enables LRE to obtain discrete groundwater samples from the intervals of interest.

Each temporary well will be air-lifted or pumped for a 12-hour period, and the discharge will be monitored to ensure the drilling fluid and construction water have been purged from the zone, such that only representative formation water is being produced for sampling. LRE personnel will monitor the field parameters (i.e. temperature, electrical conductivity, oxidation-reduction potential, pH, dissolved oxygen, and sand content) of the pumped discharge water for approximately two hours prior to sample collection. The field parameters will be monitored using a calibrated multi-parameter meter to ensure that a representative groundwater sample is obtained. After approximately 12 hours of purging each zone and the

stabilization of field parameters has occurred, LRE will collect zonal water-quality samples. The zonal groundwater samples will enable LRE to prepare a final design for the well.

Each zonal sample will be collected by LRE and delivered to a certified analytical laboratory for testing. A duplicate sample will also be collected from one of the sample intervals in the well, and will be provided to the same analytical laboratory and labeled as a “blind” sample, for Quality Assurance/Quality Control (QA/QC) purposes. Each sample will be analyzed for nitrate (NO₃-N), fluoride (F), chromium (Cr), arsenic (As), and total dissolved solids (TDS). Arsenic and chromium will be analyzed using the inductively coupled plasma mass spectrometer (ICP-MS) method, with a maximum detection limit of 0.005 milligrams per liter (mg/L). The water samples will also be analyzed for the common anions and cations: calcium (Ca), magnesium (Mg), sodium (Na), potassium (K), alkalinity as bicarbonate (as CaCO₃), sulfate (SO₄), and chloride (Cl), which will enable LRE to conduct an ion balance for QA/QC purposes. The samples will be submitted to the laboratory under chain-of-custody for rush turn-around. Pace Analytical (formerly ESC Lab Sciences), an analytical laboratory, will be retained by LRE and laboratory costs are included in this Scope of Services.

After the zonal sample has been collected at each interval, the pump will be shut down and the water level will be monitored. Once the water level has stabilized, a falling head (“slug”) test will be conducted to estimate the hydraulic conductivity of the interval. The slug tests will be performed using a pressure transducer installed into the drill pipe, which extends inside the borehole below the static water level. The pressure transducer will be connected to a computer or tablet to allow the LRE hydrogeologist to monitor water-level data instantly. The pressure transducer data logger will be capable of recording water-level measurements rapidly (approximately one water-level reading per second). Up to 15 gallons of water will be poured into the well and the change in water level will be monitored and recorded. Up to three slugs will be performed at each zone to gain a more accurate hydraulic conductivity representation. It is assumed that each slug test can be conducted within two (2) hours. If the hydraulic conductivity of any zone/interval is inadequate for the water table to return to its static level within one (1) hour after shutting off the sampling pump, the City will be contacted to discuss the costs versus the value of the specific data collection, to avoid excessive costs related to drilling rig standby time.

Task 133 Well Design, Borehole Ream, Caliper Logging, Materials Check. After the completion of zonal groundwater sampling operations and receipt of the analytical reports and hydraulic conductivity results, LRE will meet with the DB team and the City to finalize the well design. Evaluation of the data collected up to this point will be considered for well design, including zonal samples and slug test data with production and water quality estimated at depth, lithologic log of drilled cuttings, and geophysical logs. Once the final design has been determined and approved by the City, it will be provided to the drilling contractor. At this time, the borehole will be cleaned out and/or reamed to its final depth and diameter. During the reaming of the pilot borehole, LRE personnel will not provide inspection services of the reaming operations, but will remain on-call in the event that unanticipated conditions or problems arise. The driller will be contractually obligated to document drilling conditions, penetration rates, etc. during the reaming process.

After completion of borehole reaming, a final caliper log survey and magnetic deviation survey will be conducted. Victory Well Surveys will be subcontracted by LRE for this work and costs for this service are included in the Scope of Services.

Once the drilling company has received the delivery of well construction materials listed in the technical specification and/or the final well design, LRE staff will perform a comprehensive material check at the well site. LRE will confirm the materials are the same as specified and will notify the DB team immediately if any deviations from the technical specification and/or final well design are identified.

Task 134 Well Installation and Well Development. LRE will provide inspection services during well construction on a continuous basis (24-hours per day) to ensure drilling contractor's adherence to the materials, methods, and technical standards that have been specified. It is estimated that the well construction will take place over a 5-day period. Continuous inspection of the casing, screen, and annular material installation will assure that the well installation is conducted in compliance with the materials and construction standards that have been specified in the final well design and/or technical specifications. LRE personnel will document the construction materials, installation techniques, and well development techniques via pipe tallies, cement grout records and receipts, development records/forms, etc. Samples of the filter pack material and cement grout will be collected to document conformance with the project specifications, and information obtained will be used to prepare a detailed As-Built diagram of the well for inclusion in the Well Completion Report.

140 Well Testing

This task series outlines the field activities related to well testing, including the step-rate and constant-rate pumping tests, static and dynamic spinner logging, and depth-specific sampling.

Task 141 Step-rate Pumping Test. The step-rate pumping test will consist of up to five (5) different pumping rates (steps), each approximately two (2) hours in duration. LRE will record static and pumping water-level measurements using a pressure transducer and manual sounder readings. LRE will monitor the discharge (from a hose-bib provided by pump contractor) for water-quality field parameters, including sand content using an Imhoff cone and electrical conductivity, oxidation-reduction potential, pH, dissolved oxygen, and temperature using LRE's calibrated multi-parameter meter with flow-through cell.

Task 142 Constant Rate Pumping Test, Water Quality Analysis. Once water-level recovery of 95% or greater has occurred following the step-rate pumping test, a constant-rate aquifer test of approximately 24 hours will be conducted. During the constant-rate aquifer test, LRE will collect water-level measurements using a pressure transducer and manual sounder. The optimum pumping rate of the well will be determined during the step-rate pumping test and will be maintained throughout the constant-rate aquifer test. LRE will coordinate with the pump contractor to maintain the constant pumping rate throughout the test with no interruptions.

Well #26 will be installed as a new public supply well, and therefore, will require New Source Approval through MCESD before the well can be put into service. It is important to note that the New Source water quality results can be used for submission to the MCESD for up to one year. However, the New Source sample is collected early in the project to assist in design of treatment and prevent delay in permitting upon completion of construction. Near the end of the constant-rate pumping test, LRE will collect composite water samples from the well discharge at the land surface. The samples will be submitted to an Arizona Department of Health Services-certified laboratory for Safe Drinking Water Act Phase II/Phase V (New

Source Approval) constituents. LRE will subcontract the analytical laboratory and the associated analytical costs are included in this Scope of Services.

After the cessation of constant-rate pumping of the well, LRE will conduct a water-level recovery test for a period of 24 hours using the pressure transducer and data-logger. LRE will remain on site for approximately two hours after pump shutdown to measure water levels with the manual sounder and to ensure the pressure transducer data-logger is working properly.

The analytical results of the groundwater samples will be summarized in a table in the Well Completion Report. LRE will tabulate the water-level measurements and water-quality field parameters of the discharge water.

150 Data Analysis and Reporting

This task series outlines the data analysis and reporting activities related to the well drilling and installations, and well testing.

Task 151 Data Analysis. LRE staff will compile and analyze data collected as part of well installation and testing activities. These data are anticipated to include:

- Daily field logs;
- Lithological logs;
- Geophysical logs;
- Well video survey;
- Well development information;
- Aquifer testing data;
- Static and dynamic flowmeter data;
- Field water-quality measurements; and
- Composite (New Source), depth-specific, and zonal sample analytical data.

These data will be organized and presented in the form of tables, figures, and graphs. Aquifer test data will be analyzed using AQTESOLV™ to estimate aquifer properties in the vicinity of the well. Depth-specific concentrations for constituents of concern will be calculated using spinner log and depth-specific sample data, and mass balance principles. Copies of field data, video survey, geophysical logs, and analytical test reports will be provided in to the City in the Well Completion Report.

Task 152 Well Completion Report. LRE will prepare a Well Completion Report summarizing all work conducted during the installation and testing of the new well. The Well Completion Report will include any documentation collected during well drilling and construction process including, but not limited to: field notes, pipe tallies, grout records, penetration rate logs, geophysical logs, the lithologic log, zonal groundwater sample results, falling head test results, aquifer test results, spinner logging results, the final plumbness and alignment analysis, the final video log, and the analytical results of water-quality samples that were collected. The Well Completion Report will present recommendations for the optimum pumping rate and pump setting based on these analyses, along with a detailed As-Built drawing of the new well.

Deliverables include three (3) draft copies, and three (3) final copies of the Well Completion Report. LRE will also provide one electronic copy (in pdf format) of the final Well Completion Report.

200 Preliminary Design

This task will constitute the development of the preliminary design, including site investigations and further efforts to define the final design scope, including treatment options at the Bullard Water Campus. The Preliminary Design Report and 30% Drawings will be used to prepare the 30% cost model.

210 Site Assessment

Hazen will conduct field assessment activities to verify existing site conditions and utilities.

- **Procure and Evaluate Existing Information.** The DB Team will review the existing information to develop an understand of the project:
 - City quarter section maps in CAD format including right-of-way, land use, easement, property line, water, and sewer line work
 - Civil, mechanical, and electrical as-builts, studies, and reports associated with the well site, local distribution system and transmission network and the Bullard Water Campus site,
 - Aerial photos and GIS data
 - Sanitary sewer model
- **Site Visits.** Scope shall include three (3) site visits throughout the design to collect information, verify base maps, and confirm design concepts.

Deliverables Data request memorandum.

220 Surveying and Utility Coordination

Task 221 Topographic Survey. Prepare an exterior topographic survey to establish horizontal and vertical ground control and to provide base mapping information, with 1-foot contour intervals, for the existing conditions and above grade exterior features. The survey limits will include the parcel for the proposed well site, the raw water transmission main alignment and a portion of the Bullard Water campus. The survey subconsultant will locate existing topography, above grade site features, and Bluestake markings. All topographic information collected will be based on City of Goodyear horizontal and vertical control monuments within one mile of the project limits.

Once preliminary design is complete, DB Team will provide up to 8 hours to verify existing feature measurements located within the survey boundary.

Task 222 Base Map Preparation. Create a base map for the existing facility in AutoCAD that incorporates the survey data collected. The map will be presented at scales that allow the site to be illustrated on a single site plan. The map will illustrate above ground features such as buildings, walls, electrical services, access ways, piping, driveways, etc. Improvements that can be represented by single points or lines, such as poles and site walls, will be represented with symbols and line types. Below ground improvements will not be

included in the topographic survey, but will be incorporated into the drawings by the design team based on existing as-builts and field measurements, where possible.

Task 223 Utility Coordination. DB Team will contact utilities through Blue Stake to collect maps from utilities having service areas near the project sites. Identified utilities that do not provide maps in response to the initial Blue Stake request will be contacted to acquire maps or confirm they do not have infrastructure in or adjacent to the project sites. The utility information provided by the maps will be added to the project's base maps. Survey subconsultant will verify the information provided within the proposed limits of construction to the extent possible through the topographic survey and site reconnaissance. Subconsultant will also submit an internal utility locating request form through the City Water Resources Department to have on-site City utilities marked in the field.

Task 224 Right of Way/Easement Coordination. Engineer shall determine the requirements for new right-of-way (ROW) and easements, including, but not limited to new roadway ROW, public utility easements, drainage easements and temporary construction easements. The Engineer shall submit a written request to the City for copies of title reports for all affected parcels within four (4) weeks of notice to proceed.

The Engineer shall submit the final ROW and easement requirements in writing to the City concurrent with the 30% design submittal. At the 30% design submittal, the new requirements shall be accurately defined with widths, lengths, stations, offsets, etc and enough definition to identify all ownerships that will be affected. Engineer shall prepare a plan showing all property lines, parcel numbers and parcel ownership on the project plans. Provide legal descriptions and exhibits for all required easements.

Task 225 Potholing. Where existing utility elevations are necessary for the determination of conflicts, the Engineer shall provide a list of the possible conflict locations and conflicting utilities. This list shall be used for identification of potholing locations to provide accurate horizontal and vertical location of the utility prior to completion of the 60% plans. The DB team will locate up to ten (10) existing utilities using non-destructive vacuum excavation.

Potholing of the existing casing pipe at Bullard Wash crossing will be included to assess the condition and determine the use in the Project.

Potholing services are included as an allowance item (A-5).

Deliverables Survey basemap with confirmed utility locations and elevations, easement property map.

230 Geotechnical

Hazen will coordinate with subconsultant to prepare soils investigation of field conditions, in the proposed well area and along the transmission main alignment. Scope of services include:

- Review available published and in-house geotechnical reports, topographic information, soil surveys, geologic literature and aerial photographs of the project area,
- Coordination with Arizona 811 to evaluate utility locations prior to drilling,
- Two (2) hollow-stem soil borings (extending up to 40 feet below grade) using truck mounted drill rig,
- Four (4) soil borings along the transmission main alignment (extending up to 10 feet below grade) using truck mounted drill rig,
- Laboratory testing to evaluate on-site soil characteristics, and
- Preparation of geotechnical report, sealed by a Professional Engineer licensed in Arizona, to include logs and results of laboratory testing.

Deliverables Geotechnical Report

240 RO Treatment Evaluation

Engineer will complete an evaluation of options for expanding reverse osmosis (RO) treatment capacity at the Bullard Water Campus. All options will require the addition of one RO membrane skid in the existing building. The evaluation will include:

- **RO Expansion Alternative Review.** Engineer will evaluate replacing membranes, increasing flux and/or recovery, or the addition of two pressure vessels to each of the existing skids. The existing RO skids will also be inspected to determine improvements required to optimize performance. Alternatives will be reviewed with the City to select a preferred alternative.
- **Bullard Hydraulic Analysis.** Engineer will conduct a hydraulic analysis to understand the impact of RO expansion options on existing infrastructure, including pumps and pipes.
- **Chemical System Analysis.** Engineer will evaluate existing chemical feed systems associated with pH adjustment, antiscalent, disinfection and clean in place to determine improvements required to support additional RO treatment capacity.

Deliverables The Engineer will present RO projections, hydraulic analysis, chemical system analysis, unit process operational requirements, power requirements, control strategies, and process reliability and redundancy in a meeting with the City. City comments will be cataloged and addressed and the final evaluation and results incorporated into the Preliminary Design Report.

250 Preliminary Well Site Design

This task encompasses the preliminary design of the Well #26 site. The design components that will be evaluated include:

- Site access - including potential access from neighborhood
- Preliminary site layout (approximately 75 ft x 150 ft): including on-site retention and well laydown areas
- Well site equipping - including pump and motor design, desander, pump to waste, control valve, and VFD's
- Electrical/I&C components – including power, lighting, telemetry, SCADA, PLC programming and logic, fiber to the site, and coordination for the APS electrical service
- Perimeter wall architectural enhancements
- Raw transmission main alignment – routing to BWC assuming reuse of Bullard Wash crossing pipe and interconnects to the existing water facilities at BWC
- Hydraulic modeling – evaluate capacity of existing sewer and impact of pump flush-to-waste
- Existing utility coordination - interconnects to the existing infrastructure

260 PER & Drawings

The Engineer will prepare a report describing the basis of design criteria for all components of the infrastructure improvements for Well #26 and the Bullard Water Campus Expansion.

Deliverables will include:

- **Prepare Preliminary Engineer Report.** The PER will summarize the investigation and analyses completed during this phase and establish the design parameters, criteria and concepts necessary for preparation of detailed plans and specifications. A draft report will be submitted for City review and a final report will be submitted resolving City comments.
- **30% drawings.** Where applicable, preliminary layouts of the equipment and facilities will be presented.
- **Renderings.** Aerial and perspective views to reflect impact to existing neighbors.
- **Quality Assurance/Quality Control.** The Engineer will perform QC review of documents, comments will be incorporated by the design team

Preliminary drawings and an outline of specifications will be prepared according to Hazen's Guidelines for Interim Design Submittals and the attached preliminary drawing list (Appendix A).

Deliverables Preliminary engineering report, 30% drawings

300 Detailed Design

The Engineer will perform final design of the new facilities, including well and RO treatment improvements based on comments received during the preliminary design stage. Detailed plans and specifications will be prepared at the milestones below, utilizing the attached preliminary drawing list (**Appendix A**). The intent of the 60%, 90%, and Final (For Construction) stages of this project are to prepare a set of Contract Documents based on the design concepts and criteria developed in the 30% preliminary design phase of this project.

Design tasks:

- **Task 310** – 60% Design
- **Task 320** – 90% Design
- **Task 390** – 100% Design

The Engineer will utilize available City technical specifications and standard details to the largest extent possible. The Engineer will develop preliminary technical specifications that follow the CSI Division 01 thru Division 17 (pre-95 versions) format. These documents will be submitted to the City for review and comment at the 60% and 90% completion stages of design. The 100% Design Documents will also be submitted to the relevant agencies for review and approval to acquire the necessary permits. City and agency review comments on each submittal will be addressed and written responses will be documented in a tabular format for each of the project's progress submittals.

Drawings will be prepared in CADD and Revit (3D) to generate contract documents and renderings for team design reviews and community outreach.

Design development will include constructability, operability and QA/QC reviews prior to submission of each deliverable to the City.

Five copies of 60%, 90% and 100% design level drawings will be provided to the City for review and comment. Eight (8) copies of the final design drawings will be prepared and sealed by a professional Engineer in Arizona.

340 Arc Flash Study

Hazen will complete an arc flash hazard analysis of the proposed Well Site and the existing Bullard Water Campus (BWC). The arc flash analysis will be completed in accordance with the methods and requirements described in the National Fire Protection Association Standard 70E (NFPA 70E, 2015 edition) – Standard for Electrical Safety in the Workplace.

The arc flash hazard analysis scope will consist of the following tasks:

- **System Analysis and Data Collection**

This task involves a field survey of the power distribution system at Well#26 and BWC. Existing facility documentation such as drawings and testing reports will be helpful in understanding the electrical distribution systems, however, only field-collected data will be used in the arc flash hazard analysis. The following information and data will be collected:

- Electrical utility service configuration and ratings (i.e. actual fault current, X/R ratio, protective device information etc.)
- Power distribution system configuration and ratings
- Ratings and settings for all protective devices
- Ratings configuration for all power distribution equipment
- Protective relay settings
- Motor data
- Cable length and sizes
- Standby power generator ratings and operation configurations
- Historical operational data and operating scenarios with plant load

A protective device coordination evaluation will be performed to ensure all devices are coordinated to the most optimal level achievable for the existing equipment and to ensure any potential nuisance protective device operations is eliminated. Any potential issues will be brought to the attention of the facility owner in the Arc Flash Hazard Analysis Draft Report. Short circuit information will be obtained from the serving electrical utility for the purposes of developing a short circuit study which will then be used for the proper calculation of arc flash hazards.

- **Arc Flash Hazard Analysis and Evaluation**

The information collected will be entered into SKM Power Tools software to perform the arc flash hazard analysis. The results of the analysis will yield the following information:

- Arc Flash Boundaries
- Arc Flash Incident Energy (measured in cal/cm²)
- Hazard/Risk Category as defined in NFPA 70E
- Available Fault Current

The results of the arc flash hazard analysis will be evaluated to identify the areas where the arc flash incident energy is excessively high (above 8 cal/cm²). The power distribution system will be analyzed to determine if any system protective device setting modifications can be made to reduce the arc flash incident energy for these higher hazard areas. Arc flash mitigation measures other than protective device settings changes that require additional engineering that is beyond the scope of this project will be coordinated with the facility owner on a case by case basis.

- **Report and Arc Flash Labels**

A draft Arc Flash Hazard Analysis Report will be prepared and submitted to the facility owner for review in PDF format. The report will contain the following:

- Recommended modifications to protective device settings to reduce the hazard for the areas of the power distribution system where the arc flash incident energy is excessively high.
- Recommended protective device settings changes to mitigate any coordination issues identified
- Information from NFPA 70E pertaining to incident energy and PPE requirements.
- Draft arc flash hazard equipment labels for all equipment included in the arc flash studies, printed on regular paper for review purposes.
- A tabulated list of all arc flash hazard data for all scenarios identified in the report.

Upon review of the draft report, the facility owner shall provide the Engineer with any comments. The comments will be implemented into a final version of the Arc Flash Hazard Analysis Report which will contain the following:

- A tabulated list of all arc flash hazard data for all scenarios identified in the report. All final arc flash hazard calculations will take into account any of the recommended protective device settings changes accepted by the Water Company.
- A tabulated list of all protective device settings.
- Information from NFPA 70E pertaining to incident energy and PPE requirements.
- Final, adhesive-backed arc flash hazard equipment labels for all equipment included in the arc flash studies.

The Engineer will make a trip to the project site, to coincide with training, to place the arc flash hazard labels on all equipment. Four (4) printed copies of the Final Arc Flash Hazard Analysis Report will be delivered to the project site. An electronic copy of the final report will also be furnished to the facility owner upon completion of the project.

Deliverables Hazard analysis report, Single line drawings, Arc flash equipment labels, Training

350 Condition Assessment

The intent is to integrate new assets into the existing hierarchy and classification structure.

Task 351 Asset Register. Hazen will hold a workshop with the City to collect any relevant information available about the assets the City owns and manages, and to establish asset definitions and asset hierarchies. The asset definitions will define the assets at the level of granularity that the City issues work orders for replacement, rehabilitation or maintenance. The hierarchy will enable the City to easily locate an asset and obtain data (e.g., condition, recommended action, cost, remaining life and risk) required to support future asset management decisions. The hierarchy must have a structured relationship (parent-child) allowing consistent roll-up/roll-down of cost data. The information gathered will be consolidated into a centralized database known as the asset register. The asset register will be updated with information gathered or calculated during remaining tasks.

Sources of data: As-built drawings, design drawings, operation and maintenance manuals, institutional knowledge, field verification.

Deliverables

- Condition Assessment Strategy and Gap Closure Workshop (4 hours)
- Preliminary asset register

Task 352 Condition Assessment. As part of the same workshop, Hazen will work with the City to identify assets critical to the operation of the expanded membrane treatment system, and/or that may be nearing the end of their useful life and should be considered for replacement in this phase of the project.

Hazen will conduct field inspections to confirm the condition of the assets identified in the workshop. The inspection team will include qualified engineers to perform the field visual evaluations of physical condition and performance of all the identified assets. RO membrane elements and interior of RO pressure vessels will not be inspected. Hazen recently completed a performance evaluation of the RO membranes and found the RO membranes in Trains 3 through 7 to be reaching the end of their useful life.

During site inspections, asset attributes will be verified, pictures will be taken, and condition scores will be assigned. All the data collected for each asset, including photographs of the assets, the inspectors' notes, condition scores for specific attributes, inspection checklists, etc., are stored digitally. The updated asset inventory database will be provided as a deliverable to the City for future tracking and maintenance.

Deliverables

- Level 1 (Visual) Field Condition Assessment of Critical Assets
- Draft Asset Register with Condition Scores

Task 353 Prioritized Rehabilitation. Based on the condition of the critical assets, Hazen will recommend assets for replacement and will work with Felix to generate costs using published data and any historical data the City may have. Once confirmed, assets to be replaced will be incorporated into the GMP.

360 Bullard Water Campus Mechanical Improvements

Engineer will incorporate design of process improvements at Bullard Water Campus into the contract documents for the project, including:

- Replacement of two (2) 5-micron filter housing units,
- Replacement of six (6) 1-micron filter housing units on the RO skids,
- Rehabilitate remaining six (6) 10-micron screens (Amiads),
- Replace remaining five VFDs on RO skids,
- Replace corroded and deteriorated valves on the RO skids,
- Incorporate coating replacement for underdrain pipe support, over flow discharge pipe on storage tank, and valves for the booster station,
- Evaluate replacement of three swamp coolers on building,
- Incorporate fall protection for the reservoir.

370 QA/QC

Hazen's design will be prepared in accordance with M.A.G. Standard Specifications and Details, City of Goodyear M.A.G. Supplemental Specifications and Details, and the current City of Goodyear Design Standards and Policy Manual.

Hazen will maintain a Quality Control Program focused on providing a product that is in accordance with the industry's accepted standard of care. The program shall include quality control checklists and in-house reviews. At the start of the project, the design team will meet to review the City's design guidelines and requirements. Current copies of the City's guidelines and requirements will be available and referenced throughout the design process. After the construction documents have been prepared, the team's designers will review the documents using a checklist to verify aspects of the design. After the checklist review is complete, the sealing Engineer will review the documents and will meet with QC reviewers to discuss/resolve comments. The sealing Engineer will also review the rest of the design documents prepared by LRE and its subconsultants as a quality control measure and in search of design conflicts among the team's different disciplines. Once redlines produced by in-house reviews have been addressed, the documents shall be submitted to the City for review.

400 Permitting and Agency Reviews

Permitting tasks will include developing applications, supporting documentation, coordination and meetings to obtain the following permits. The DB team under this task in the review of permit applications, attend meetings, and respond to Requests for Information from regulatory agencies. This task includes an allowance for permitting fees identified in A-1 and A-2.

Task 410: MCESD

The Engineer will coordinate all needed documentation and drawings to provide a complete submittal to MCESD for:

- Approval to Construct / Approval of Construction.
- New Source Approval – including the necessary well site engineering documents and water quality data. The Engineer will coordinate with LRE to incorporate their work as needed.

The DB team will directly submit the fee and application package (including the necessary well site engineering documents for the completed and equipped well) to MCESD. The costs for preparation of the ATC/AOC and New Source Approval permit are included in the scope of services. The fees associated with New Source Approval are included in Allowance A-1. The Engineer will work with the City to address any comments provided by MCESD.

Task 420: Flood Control District

The Engineer will coordinate with the City's Floodplain Management department to obtain approval for construction in the existing floodway. This task includes preparation of permit application, attending meetings and responses to requests for information.

Task 430: City of Goodyear Building Department

Engineer will coordinate with City's Engineering and Building Safety Departments to obtain design and construction approvals. The submittal package shall include signed and sealed 100% design drawings, specifications and calculations necessary for approval.

Task 440: ADWR

Although the Well Impact-Well Spacing Study has been submitted by the City of Goodyear and approved by the Arizona Department of Water Resources (ADWR), the presence of a nearby unregistered well may cause ADWR to request additional action or information from the City. LRE will assist the City, as needed, in collecting data and reporting to the ADWR in support of the City in obtaining a permit for new well installation.

500 Design Management

This task includes the general project management and administration tasks, including project monitoring and reporting, project meetings and management of subconsultants. Public outreach assistance tasks for the project are also included under this task.

510 Project Management and Monitoring

Perform project set up, including development of the project specific Quality Control Plan (QCP). The QCP will establish QC reviewers from outside of the core team, identify QC milestones, and set the review schedule and budget. The Plan will provide a product that is in accordance with the industry's accepted standard of care.

Follow established Felix-Hazen and City of Goodyear procedures to monitor project progress and status. Detailed reports on labor and expense information, work in progress, and percent complete information, and will be utilized to monitor and control the specific scope of work and corresponding budget for the project, including adequate assignment of manpower, and other resources. Invoicing, project schedule monitoring and updating and project progress reporting are included under this task.

520 Meetings

The DB team will lead various coordination meetings and workshops with the City to address technical, coordination and administrative issues related to the project. These meetings will also be used to conduct technical workshops, design submittal meetings, design review meetings, and project management meetings.

In addition to the project workshop meetings, the Engineer will conduct submittal meetings after design submittals (30%, 60%, 90%). These meetings will consist of providing the City with an overview of the content of the submittal, reviewing decision and action items logs and reviewing City comments. The design review meetings will occur after the City has reviewed the submittals and will focus on making sure that the Engineer has a thorough understanding of the City's comments and intent.

A list of all anticipated meetings is included in Table 520-1.

Table 520-1: Project Meetings and Workshops

Meeting Name / Purpose	Number & Duration	Felix-Hazen	LRE
Project Kickoff	1 x 2hrs	●	●
Project Progress Meetings	4 x 2hrs	●	●
Design Workshops (30/60%)	2 x 3hrs	●	●

Meeting Name / Purpose	Number & Duration	Felix-Hazen	LRE
Design Submittal Review Meetings (30/60/90%)	3 x 2hrs	●	(2)
GMP Development Meeting (60/90%)	2 x 4hrs	●	—
Contingency Meetings	2 x 2hrs	●	●

Note: Numbers in parentheses indicate the subset of meetings to be attended by subconsultant

600 Preconstruction Services

610 Constructability Review/Value Engineering

Felix will review the project plans and specifications in their entirety at the 30%, 60%, 90%, and 100% design phases for any drawings and details that warrant change or additional clarification (constructability) and to identify any potential cost or schedule savings opportunities (value engineering).

620 Scheduling

Felix will review the project plans and specifications in their entirety at the 30%, 60%, 90%, and 100% design phases and provide a detailed Critical Path Method (CPM) schedule for the City and its engineer to review. Other deliverables typically provided under this task section include evaluating the potential benefits of phased construction (multiple GMP's) and early procurement of long lead equipment.

630 Budget/Cost Modeling/GMP Preparation

Felix will review the project plans and specifications in their entirety at the 30%, 60%, 90%, and 100% design phases and provide detailed and compressive cost models. Other deliverables typically provided under this task section include development of a project specific subcontractor selection plan along with recommend subcontractors and major suppliers lists for competitive bidding, bid package development, and the final Guaranteed Maximum Price (GMP) with all supporting documentation including multiple subcontractor bids and supplier quotes. Felix will provide all cost models and our final GMP package in both digital and hard copy format (if desired). If requested by the City, Felix will prepare a preliminary "cash flow" projection based upon historical records of similar type projects to assist the City in the financing process.

640 Registered Land Surveyor

This task includes retention of profession surveyor services as outlined in Tasks 221 - 224.

650 Geotechnical / Materials Testing

This task includes retention of profession services for geotechnical services as outlined in Task 230.

700 Allowance Items

- A-1 MCESD Permitting.** Allowance for ATC/AOC fees and New Source Permit fees.
- A-2 City of Goodyear Permitting.** Allowance for permitting fees for building plan review.
- A-3 AZDES Permitting.** LRE will coordinate with the City to identify the options for groundwater disposal during well development and testing. If discharge to the Bullard Wash is identified as the best option, LRE will prepare the necessary documentation to obtain a single Arizona Pollution Discharge Elimination System (AZPDES) permit, and conduct the monitoring and reporting required by the AZPDES permit. An allowance for one AZPDES permit application fee of \$250 is included in this Scope of Services.
- A-4 APS Service.** Allowance for provision of APS service to the site.
- A-5 Potholing Service.** Allowance for potholing of existing utilities as identified in Task 225.
- A-6 Easement Acquisition.** Allowance for acquisition of land costs for raw water transmission main routing to Bullard Water Campus. Costs were based on 50 percent of the county auditor limited property value. The DB team will prepare plan showing easement requirements along the alignment of the transmission main as identified in Task 224. The DB team will attend one (1) meeting coordinated by the City with current property owner to discuss the intent of the project.
- A-7 Design Contingency.** This allowance provides services for additional design tasks and services not included in the initial scope. The City shall authorize use of this prior to incorporating into the contract.
- A-8 Phase 1-ESA Study.** Allowance for a Phase I Environmental Site Assessment (ESA) Study to identify recognized environmental conditions on the site. Recognized environmental conditions means the presence or likely presence of any hazardous substances, pollutants and contaminants, or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. The scope of the inquiry is to identify releases and threatened releases of hazardous substances that cause or threaten to cause the incurrence of response costs. This task will be executed upon the request of the City.

A-9 Spinner Logging. Allowance for a spinner flowmeter survey during well testing. A dynamic (pumping) spinner flowmeter survey will be conducted near the end of the constant-rate aquifer test. A pumping spinner flowmeter survey provides an indication of the specific depth intervals in the well from which groundwater is being produced. LRE will include the necessary accommodations for the spinner logging in our technical specifications for the well. The spinner logging will include a minimum of three (3) dynamic logging runs (downward, at different line speeds). The dynamic spinner survey will be conducted after the well has been pumped for approximately 14 hours, to allow hydrologic conditions in the aquifer to stabilize prior to the start of the survey. In addition to providing oversight and coordination of the spinner survey, LRE will provide recommended sampling depths for collection of six (6) depth-specific groundwater samples from the well, based on the results of the spinner flowmeter survey. The water samples collected during the spinner survey will be submitted by LRE to a certified analytical laboratory for testing of, at a minimum, NO₃-N, F, Cr, As, TDS, Ca, Mg, Na, K, CaCO₃, SO₄, and Cl concentrations. Additional analytes may be requested as needed by the DB team design engineers. LRE will subcontract Victory Well Surveys to conduct the spinner logging and depth-specific water quality sampling under this task.

A-10 Well Testing and Drilling. Construction of new well as summarized in Tasks 130 and 140.

Project Expenses

Direct expenses related to the project will be passed through to the City, including reprographics and travel costs, and are identified as other direct costs (ODC).

Exclusions

- Assessment of the City's water distribution model is not included.
- Native plant survey.
- Arc Flash Study of existing Bullard Water Campus
- Modifications to existing discharge permits.
- Offsite drainage assessment.
- Topographic survey of building interiors.
- Archeological surveys.
- Life cycle cost analysis.
- Scour depth calculations for alternative transmission main crossing of Bullard Wash.
- Negotiation of easement acquisition as required for the project.
- Preparation of permanent easement descriptions.

Appendix A: Drawings List

City of Goodyear Well #26 - Preliminary Sheet List					
Sheet Number	Drawing number	Drawing Title	30% Submittal	60% Submittal	90% Submittal
GENERAL					
1	G-1	Cover Sheet	X	X	X
2	G-2	Drawing Index	X	X	X
3	G-3	Notes, Symbols, Abbreviation, Legend	X	X	X
4	G-4	Hydraulic Profile & Process Flow Diagram		X	X
CIVIL					
5	C-1	Civil Notes and Legend	X	X	X
6	C-2	Overall Site Plan	X	X	X
7	C-3	Demolition Plan - Well #26		X	X
8	C-4	Demolition Plan - BWC		X	X
9	C-5	Site/Control - Partial Plan	X	X	X
10	C-6	Site/Control - Partial Plan	X	X	X
11	C-7	Site/Control - Partial Plan		X	X
12	C-8	Grading, Drainage, and Paving Plan - Partial Plan		X	X
13	C-9	Grading, Drainage, and Paving Plan - Partial Plan		X	X
14	C-10	Grading, Drainage, and Paving Plan - Partial Plan		X	X
15	C-11	Overall Erosion and Sediment Control Plan			X
16	C-12	Erosion and Sediment Control Notes			X
17	C-13	Yard Piping		X	X
18	C-14	Plan and Profile	X	X	X
19	C-15	Plan and Profile	X	X	X
20	C-16	Plan and Profile	X	X	X
21	C-17	Plan and Profile	X	X	X
22	C-18	Plan and Profile	X	X	X
23	C-19	Plan and Profile		X	X
24	C-20	Plan and Profile		X	X
25	C-21	Plan and Profile		X	X
26	C-22	Plan and Profile		X	X
27	C-23	Yard Structures			X
MECHANICAL					
28	M-1	Well 26- Mechanical Plan	X	X	X
29	M-2	Well 26 - Sections and Details	X	X	X
30	M-3	Well 26 - Sections and Details		X	X
31	M-4	BWC - RO Lower Plan		X	X
32	M-5	BWC - RO Upper Plan	X	X	X
33	M-6	BWC - RO Train Plan	X	X	X
34	M-7	BWC - RO Train Section & Details		X	X
35	M-8	BWC - Mechanical Improvement Details		X	X
36	M-9	BWC - Mechanical Improvement Details		X	X
STRUCTURAL					
37	S-1	General Structural Notes	X	X	X
38	S-2	Structural Standard Details		X	X
39	S-3	Well - Foundation Plan, Sections and Details		X	X
40	S-4	Perimeter Wall - Sections and Details		X	X
41	S-5	Sections & Details			X
ARCHITECTURAL					
42	A-1	Legends, Abbreviations, Notes and Building Code Information	X	X	X
43	A-2	Exterior Wall - Elevations		X	X
44	A-3	Exterior Wall - Sections & Details		X	X
HVAC					
		None			
ELECTRICAL					
45	E-1	Legend and Symbols	X	X	X
46	E-2	General Notes and Abbreviations	X	X	X
47	E-3	Bullard Campus Single Line Diagram			X
48	E-4	Well Single Line Diagram	X	X	X
49	E-5	Panel Schedules and Riser Diagram (Bullard Campus)			X
50	E-6	Panel Schedules and Riser Diagram (Well Site)		X	X
51	E-7	Overall Site Plan (Bullard Campus 1)	X	X	X
52	E-8	Partial Site Plan (Bullard Campus 2)			X
53	E-9	Main Electrical Room (Bullard Campus)			X
54	E-10	RO Process Area Power and Grounding Plan			X
55	E-11	RO Process Area Power and Grounding Plan			X
56	E-12	Overall Site Plan (Well site)	X	X	X
57	E-13	Site Power and Lighting Plan (Well site)		X	X
58	E-14	Schematics and Riser Diagrams - 1		X	X
59	E-15	Schematics and Riser Diagrams - 2		X	X
60	E-16	Schematics and Riser Diagrams - 3		X	X
61	E-17	Schematics and Riser Diagrams - 4		X	X

INSTRUMENTATION AND CONTROL					
62	I-1	Symbols & Legend	X	X	X
63	I-2	Control and Information System Block Diagram	X	X	X
64	I-3	P&ID - Well	X	X	X
65	I-4	P&ID - RO Process	X	X	X
66	I-5	Instrumentation Details		X	X
67	I-6	Instrumentation Details		X	X
STANDARD DETAILS					
68	D-1	Misc Details 1		X	X
69	D-2	Misc Details 2		X	X
70	D-3	Misc Details 3		X	X
71	D-4	Misc Details 4		X	X
72	D-5	Misc Details 5		X	X
<i>Discipline Breakout</i>			30%	60%	90%
	4	G Sheets	3	4	4
	23	C Sheets	9	20	23
	9	M Sheets	4	9	9
	3	A Sheets	1	3	3
	5	S Sheets	1	4	5
	0	H Sheets	0	0	0
	6	I Sheets	4	6	6
	17	E Sheets	5	11	17
	5	D Sheets	0	5	5
	72	Total Sheets	27	62	72

Appendix B: Design & Preconstruction Fee Proposal



City of Goodyear
Well #26 and Raw Water Transmission Main
City Project No:



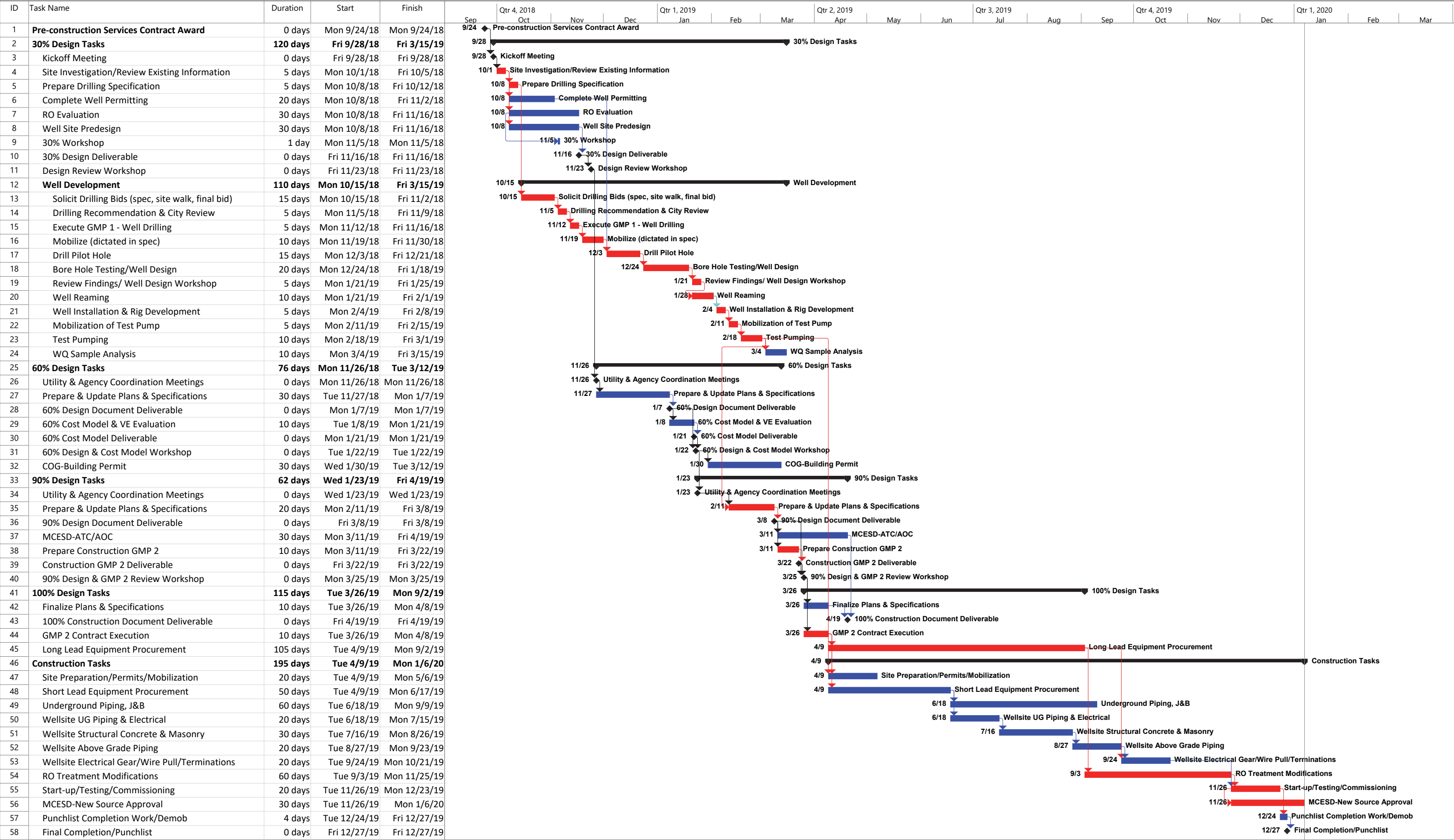
Fee Proposal
Fee Summary
8/28/2018

Task No.	Description	Felix	Hazen	LRE	Total
Design Services					
Task Series 100	Well Development and Design				\$ -
Task 110	Project Management and Coordination	\$ -	\$ -	\$ 6,960	\$ 6,960
Task 120	Technical Specifications and Permitting	\$ -	\$ -	\$ 6,630	\$ 6,630
Task 130	Well Drilling and Installation	\$ -	\$ -	\$ 68,785	\$ 68,785
Task 140	Well Testing	\$ -	\$ -	\$ 9,188	\$ 9,188
Task 150	Data Analysis and Reporting	\$ -	\$ 1,327	\$ 17,910	\$ 19,237
Task Series 100 Subtotal		\$ -	\$ 1,327	\$ 109,473	\$ 110,800
Task Series 200	Preliminary Design				\$ -
Task 210	Site Assessment	\$ -	\$ 9,915	\$ -	\$ 9,915
Task 220	Surveying and Utility Coordination	\$ -	\$ 12,200	\$ -	\$ 12,200
Task 230	Geotechnical	\$ -	\$ 2,183	\$ -	\$ 2,183
Task 240	RO Treatment Evaluation	\$ -	\$ 22,947	\$ -	\$ 22,947
Task 250	Preliminary Well Site Design	\$ -	\$ 36,361	\$ -	\$ 36,361
Task 260	Preliminary Engineering Report & Drawings	\$ -	\$ 28,830	\$ -	\$ 28,830
Task Series 200 Subtotal		\$ -	\$ 112,437	\$ -	\$ 112,437
Task Series 300	Detailed Design				\$ -
Task 310	60% Design	\$ -	\$ 110,130	\$ -	\$ 110,130
Task 320	90% Design	\$ -	\$ 88,702	\$ -	\$ 88,702
Task 330	100% Design	\$ -	\$ 63,385	\$ -	\$ 63,385
Task 340	Arc Flash Study	\$ -	\$ 12,074	\$ -	\$ 12,074
Task 350	Condition Assessment	\$ -	\$ 47,335	\$ -	\$ 47,335
Task 360	Bullard Mechanical Improvements	\$ -	\$ 18,214	\$ -	\$ 18,214
Task 370	QA/QC	\$ -	\$ 14,651	\$ -	\$ 14,651
Task Series 300 Subtotal		\$ -	\$ 354,492	\$ -	\$ 354,492
Task Series 400	Permitting and Agency Review				\$ -
Task 410	MCESD	\$ -	\$ 5,048	\$ 2,400	\$ 7,448
Task 420	Flood Control District Coordination	\$ -	\$ 4,153	\$ -	\$ 4,153
Task 430	COG Building Department	\$ -	\$ 3,185	\$ -	\$ 3,185
Task 440	ADWR	\$ -	\$ -	\$ 800	\$ 800
Task Series 400 Subtotal		\$ -	\$ 12,386	\$ 3,200	\$ 15,586
Task Series 500	Design Management				\$ -
Task 510	Project Management and Monitoring	\$ -	\$ 19,783	\$ -	\$ 19,783
Task 520	Meetings	\$ 11,556	\$ 23,742	\$ 5,210	\$ 40,508
Task Series 500 Subtotal		\$ 11,556	\$ 43,525	\$ 5,210	\$ 60,291
Task Series 600	Preconstruction Services				\$ -
Task 610	Constructability Review/Value Engineering	\$ 8,089	\$ -	\$ -	\$ 8,089
Task 620	Scheduling	\$ 7,253	\$ -	\$ -	\$ 7,253
Task 630	Budget/Cost Modeling/GMP Preparation	\$ 26,726	\$ -	\$ -	\$ 26,726
Task 640	Registered Land Surveyor	\$ 15,000	\$ -	\$ -	\$ 15,000
Task 650	Geotechnical / Materials Testing	\$ 9,000	\$ -	\$ -	\$ 9,000
-	Sub & Consultant Profit (6.0%)	\$ 38,523	\$ -	\$ -	\$ 38,523
Task Series 600 Subtotal		\$ 104,591	\$ -	\$ -	\$ 104,591
Task Series 100 through 600 Subtotal		\$ 116,147	\$ 524,166	\$ 117,883	\$ 758,196
Task Series 700	Allowances				\$ -
A-1: MCESD Permitting		\$ 12,150	\$ -	\$ -	\$ 12,150
A-2: COG Building Permitting		\$ 25,000	\$ -	\$ -	\$ 25,000
A-3: AZPDES Permitting		\$ 3,130	\$ -	\$ -	\$ 3,130
A-4: APS Service		\$ 5,000	\$ -	\$ -	\$ 5,000
A-5: Potholing		\$ 11,000	\$ -	\$ -	\$ 11,000
A-6: Easement Acquisition		\$ 52,000	\$ -	\$ -	\$ 52,000
A-7: Design Contingency		\$ -	\$ 20,000	\$ -	\$ 20,000
A-8: Phase I - ESA Study		\$ -	\$ -	\$ 7,810	\$ 7,810
A-9: Spinner Logging/Sampling		\$ -	\$ -	\$ 7,442	\$ 7,442
A-10: Well Drilling and Testing		\$ 1,000,000	\$ -	\$ -	\$ 1,000,000
Allowance - Subtotal		\$ 1,108,280	\$ 20,000	\$ 15,252	\$ 1,143,532
Other Direct Costs					\$ -
Copying and Courier		\$ -	\$ 1,500	\$ -	\$ 1,500
Travel		\$ -	\$ 6,500	\$ 1,400	\$ 7,900
Field Equipment		\$ -	\$ -	\$ 2,895	\$ 2,895
Direct Expenses/Consumables		\$ -	\$ -	\$ 200	\$ 200
Other Direct Costs Subtotal		\$ -	\$ 8,000	\$ 4,495	\$ 12,495
Project Total		\$ 1,224,427	\$ 552,166	\$ 137,630	\$ 1,914,223

Appendix C: Design & Construction CPM Schedule

City of Goodyear Well 26 & RW Transmission Main

Preliminary Design & Construction CPM Schedule





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/5/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER INSURICA / Minard-Ames Insurance Services LLC 4646 E. Van Buren St., #200 Phoenix AZ 85008		CONTACT NAME: Certificates PHONE (A/C, No, Ext): 602-273-1625 E-MAIL ADDRESS: certs@INSURICA.com FAX (A/C, No): 602-273-0212															
INSURED Felix Construction Company 1326 W. Industrial Drive Coolidge AZ 85128		INSURER(S) AFFORDING COVERAGE <table border="1"><thead><tr><th>INSURER</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A : Cincinnati Insurance Company</td><td>10677</td></tr><tr><td>INSURER B : Atlantic Specialty Insurance Company</td><td>27154</td></tr><tr><td>INSURER C : Greenwich Insurance Company</td><td>22322</td></tr><tr><td>INSURER D : Travelers Property Casualty Co. of America</td><td>25674</td></tr><tr><td>INSURER E :</td><td></td></tr><tr><td>INSURER F :</td><td></td></tr></tbody></table>		INSURER	NAIC #	INSURER A : Cincinnati Insurance Company	10677	INSURER B : Atlantic Specialty Insurance Company	27154	INSURER C : Greenwich Insurance Company	22322	INSURER D : Travelers Property Casualty Co. of America	25674	INSURER E :		INSURER F :	
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INSURER E :																	
INSURER F :																	

COVERAGES**CERTIFICATE NUMBER:** 488629775**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSP WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	Y	Y	EPP0133002	4/1/2018	4/1/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	EBA0133002	4/1/2018	4/1/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	Y		ZUP71M7609418NF	4/1/2018	4/1/2019	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y	N/A	EWCO43223300	4/1/2018	4/1/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.I. EACH ACCIDENT \$ 500,000 E.I. DISEASE - EA EMPLOYEE \$ 500,000 E.I. DISEASE - POLICY LIMIT \$ 500,000
B C	Blanket Builders Risk Professional/Pollution Liab Prof Retro date: 11/10/03			7900129390005 PEC001535014	4/1/2018 8/30/2018	4/1/2019 4/1/2019	*Occurrence Limit Prof/Poll - Occ/Agg Retention \$15,000,000 \$2M / \$4M \$50,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

*Builders Risk Limits - Temporary Loc/Transit: \$500,000, Ded: \$2,500 / Frame Construction: \$1,500,000, Ded: \$2,500 / All Construction Types other than Frame: \$15,000,000, Ded: \$2,500 / Includes Earthquake/Flood - Agg/Occ: \$2,500,000, Ded: \$25,000.

Certificate Holder is defined as additional insured with respects to the general, auto and umbrella liability if required or agreed to in a written contract subject to all provisions and limitations of the policy. General and Auto Liability coverage is primary and non-contributory. A Waiver of subrogation in favor of Certificate Holder applies to the general and auto liability and employers liability/workers compensation if required or agreed to in a written contract subject to all provisions and limitation of the policy. Per attached forms: GA233AZ 09/09; GA4316AZ 09/09; GA4094 10/01; AA288 01/16; WC000313; GA101 12/04.

30 day notice of cancellation, except 10 days for non-payment of premium, per attached IA4087 08/11.

RE: Project No. WA-18-1719 / Solicitation No. 18-4334, New COG Well #26 and Raw Water Transmission Main, Goodyear, AZ. Additional Insured: City of Goodyear and its agents, representatives, directors, officials, employees, and officers. Waiver of subrogation in favor of the additional insured.

CERTIFICATE HOLDER**CANCELLATION**

City of Goodyear
190 N. Litchfield Road
PO Box 5100
Goodyear AZ 85338

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONTRACTORS' COMMERCIAL GENERAL LIABILITY BROADENED ENDORSEMENT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. Endorsement - Table of Contents:

<u>Coverage:</u>	<u>Begins on Page:</u>
1. Employee Benefit Liability Coverage	2
2. Unintentional Failure to Disclose Hazards	7
3. Damage to Premises Rented to You	8
4. Supplementary Payments	9
5. Medical Payments	9
6. Voluntary Property Damage (Coverage a.) and Care, Custody or Control Liability Coverage (Coverage b.)	9
7. 180 Day Coverage for Newly Formed or Acquired Organizations	10
8. Waiver of Subrogation	10
9. Automatic Additional Insured - Specified Relationships:	10
• Managers or Lessors of Premises;	
• Lessor of Leased Equipment;	
• Vendors;	
• State or Political Subdivisions - Permits Relating to Premises;	
• State or Political Subdivisions - Permits; and	
• Contractors' Operations	
10. Broadened Contractual Liability - Work Within 50' of Railroad Property	13
11. Property Damage to Borrowed Equipment	13
12. Employees as Insureds - Specified Health Care Services:	14
• Nurses;	
• Emergency Medical Technicians; and	
• Paramedics	
13. Broadened Notice of Occurrence	14

B. Limits of Insurance:

The Commercial General Liability Limits of Insurance apply to the insurance provided by this endorsement, except as provided below:

1. Employee Benefit Liability Coverage

Each Employee Limit: \$ 1,000,000
Aggregate Limit: \$ 3,000,000
Deductible: \$ 1,000

3. Damage to Premises Rented to You

The lesser of:

- a. The Each Occurrence Limit shown in the Declarations; or
- b. \$500,000 unless otherwise stated \$ _____

4. Supplementary Payments

- a. Bail bonds: \$ 1,000
- b. Loss of earnings: \$ 350

b. Deductible Clause

- (1) Our obligation to pay damages on your behalf applies only to the amount of damages for each "occurrence" which are in excess of the deductible amount stated in Section B. **Limits of Insurance, 6. Voluntary Property Damage and Care, Custody or Control Liability Coverage** of this endorsement. The limits of insurance will not be reduced by the application of such deductible amount.
- (2) **Condition 2. Duties in the Event of Occurrence, Offense, Claim or Suit**, applies to each claim or "suit" irrespective of the amount.
- (3) We may pay any part or all of the deductible amount to effect settlement of any claim or "suit" and, upon notification of the action taken, you shall promptly reimburse us for such part of the deductible amount as has been paid by us.

7. 180 Day Coverage for Newly Formed or Acquired Organizations

SECTION II - WHO IS AN INSURED is amended as follows:

Subparagraph a. of Paragraph 4. is hereby deleted and replaced by the following:

- a. Insurance under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier;

8. Waiver of Subrogation

SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 9. Transfer of Rights of Recovery Against Others to Us is hereby amended by the addition of the following:

We waive any right of recovery we may have because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a written contract requiring such waiver with that person or organization and included in the "products-completed operations hazard". However, our rights may only be waived prior to the "occurrence" giving rise to the injury or damage for which we make payment under this Coverage Part. The insured must do nothing after a loss to impair our rights. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce those rights.

9. Automatic Additional Insured - Specified Relationships

- a. The following is hereby added to **SECTION II - WHO IS AN INSURED**:

- (1) Any person or organization described in Paragraph 9.a.(2) below (hereinafter referred to as additional insured) whom you are required to add as an additional insured under this Coverage Part by reason of:

- (a) A written contract or agreement; or
- (b) An oral agreement or contract where a certificate of insurance showing that person or organization as an additional insured has been issued,

is an insured, provided:

- (a) The written or oral contract or agreement is:

- 1) Currently in effect or becomes effective during the policy period; and
- 2) Executed prior to an "occurrence" or offense to which this insurance would apply; and

- (b) They are not specifically named as an additional insured under any other provision of, or endorsement added to, this Coverage Part.

- (2) Only the following persons or organizations are additional insureds under this endorsement, and insurance coverage provided to such additional insureds is limited as provided herein:

- (a) The manager or lessor of a premises leased to you with whom you have agreed per Paragraph 9.a.(1) above to provide insurance, but only with respect to liability arising out of the ownership, maintenance or use of that part of a premises leased to you, subject to the following additional exclusions:

This insurance does not apply to:

- 1) Any "occurrence" which takes place after

you cease to be a tenant in that premises.

- 2) Structural alterations, new construction or demolition operations performed by or on behalf of such additional insured.
- (b) Any person or organization from which you lease equipment with whom you have agreed per Paragraph 9.a.(1) above to provide insurance. Such person(s) or organization(s) are insureds solely with respect to their liability arising out of the maintenance, operation or use by you of equipment leased to you by such person(s) or organization(s). However, this insurance does not apply to any "occurrence" which takes place after the equipment lease expires.
- (c) Any person or organization (referred to below as vendor) with whom you have agreed per Paragraph 9.a.(1) above to provide insurance, but only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business, subject to the following additional exclusions:
 - 1) The insurance afforded the vendor does not apply to:
 - a) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;
 - b) Any express warranty unauthorized by you;
 - c) Any physical or chemical change in the product made intentionally by the vendor;
 - d) Repackaging, unless unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;
 - e) Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;
 - f) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;
 - g) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor.
- 2) This insurance does not apply to any insured person or organization:
 - a) From whom you have acquired such products, or any ingredient, part or container, entering into, ac-

- companying or containing such products; or
- b) When liability included within the "products-completed operations hazard" has been excluded under this Coverage Part with respect to such products.
- (d) Any state or political subdivision with which you have agreed per Paragraph 9.a.(1) above to provide insurance, subject to the following additional provision:
- This insurance applies only with respect to the following hazards for which the state or political subdivision has issued a permit in connection with premises you own, rent or control and to which this insurance applies:
- 1) The existence, maintenance, repair, construction, erection, or removal of advertising signs, awnings, canopies, cellar entrances, coal holes, driveways, manholes, marquees, hoist away openings, sidewalk vaults, street banners, or decorations and similar exposures; or
 - 2) The construction, erection, or removal of elevators; or
 - 3) The ownership, maintenance, or use of any elevators covered by this insurance.
- (e) Any state or political subdivision with which you have agreed per Paragraph 9.a.(1) above to provide insurance, subject to the following provisions:
- 1) This insurance applies only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit.
- 2) This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the state or political subdivision.
- (f) Any person or organization with which you have agreed per Paragraph 9.a.(1) above to provide insurance, but only with respect to liability caused, in whole or in part, by your ongoing operations performed for that additional insured by you or on your behalf. A person or organization's status as an insured under this provision of this endorsement ends when your operations for that insured are completed.
- (3) Any insurance provided to an additional insured designated under Paragraph 9.a.(2):
- (a) Subparagraphs (e) and (f) does not apply to "bodily injury" or "property damage" included within the "products-completed operations hazard";
 - (b) Subparagraphs (a), (b), (d) and (e) does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the sole negligence or willful misconduct of the additional insured or their agents, "employees" or any other representative of the additional insured; or
 - (c) Subparagraph (f) does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of:
 - 1) The rendering of or failure to render any professional services by you or on your behalf, but only with respect to either or both of the following operations:
 - a) Providing engineering, architectural or surveying services to others; and

- b) Providing or hiring independent professionals to provide engineering, architectural or surveying services in connection with the construction work you perform.

Subject to the final paragraph of this exclusion below, professional services include:

- a) Preparing, approving or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
- b) Supervisory or inspection activities performed as a part of any architectural or engineering activities.

Professional services do not include services within construction means, methods, techniques, sequences and procedures employed by you in connection with construction work you perform.

- 2) "Your work" for which a consolidated (wrap-up) insurance program has been provided by the prime contractor-project manager or owner of the construction project in which you are involved.
- b. Only with regard to insurance provided to an additional insured designated under Paragraph 9.a.(2) Subparagraph (f) above, **SECTION III - LIMITS OF INSURANCE** is amended to include:

The limits applicable to the additional insured are those specified in the written contract or agreement or in the Declarations of this Coverage Part, whichever are less. If no limits are specified in the written contract or agreement, or if there is no written contract or agreement, the limits ap-

plicable to the additional insured are those specified in the Declarations of this Coverage Part. The limits of insurance are inclusive of and not in addition to the limits of insurance shown in the Declarations.

- c. **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 5. Other Insurance** is hereby amended as follows:

Any insurance provided by this endorsement shall be primary to other insurance available to the additional insured except:

- (1) As otherwise provided in **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 5. Other Insurance, b. Excess Insurance**; or
- (2) For any other valid and collectible insurance available to the additional insured as an additional insured by attachment of an endorsement to another insurance policy that is written on an excess basis. In such case, the coverage provided under this endorsement shall also be excess.

10. Broadened Contractual Liability - Work Within 50' of Railroad Property

It is hereby agreed that Paragraph f.(1) of Definition 12. "Insured contract" (**SECTION V - DEFINITIONS**) is deleted.

11. Property Damage to Borrowed Equipment

- a. The following is hereby added to Exclusion j. **Damage to Property** of Paragraph 2., **Exclusions of SECTION I - COVERAGES, COVERAGE A. BODILY INJURY AND PROPERTY DAMAGE LIABILITY**:

Paragraphs (3) and (4) of this exclusion do not apply to tools or equipment loaned to you, provided they are not being used to perform operations at the time of loss.

- b. With respect to the insurance provided by this section of the endorsement, the following additional provisions apply:

- (1) The Limits of insurance shown in the Declarations are replaced by the limits designated in Section **B. Limits of Insurance, 11.** of this endorsement with respect to coverage provided by this endorsement. These limits are inclusive of and not in addition to the limits being replaced. The

Limits of Insurance shown in Section **B. Limits of Insurance, 11.** of this endorsement fix the most we will pay in any one "occurrence" regardless of the number of:

- (a) Insureds;
- (b) Claims made or "suits" brought; or
- (c) Persons or organizations making claims or bring "suits".

(2) Deductible Clause

- (a) Our obligation to pay damages on your behalf applies only to the amount of damages for each "occurrence" which are in excess of the Deductible amount stated in Section **B. Limits of Insurance, 11.** of this endorsement. The limits of insurance will not be reduced by the application of such Deductible amount.
- (b) Condition **2. Duties in the Event of Occurrence, Offense, Claim or Suit**, applies to each claim or "suit" irrespective of the amount.
- (c) We may pay any part or all of the deductible amount to effect settlement of any claim or "suit" and, upon notification of the action taken, you shall promptly reimburse us for such part of the deductible amount as has been paid by us.

12. Employees as Insureds - Specified Health Care Services

It is hereby agreed that Paragraph **2.a.(1)(d)** of **SECTION II - WHO IS AN INSURED**, does not apply to your "employees" who provide professional health care services on your behalf as duly licensed:

- a. Nurses;
- b. Emergency Medical Technicians; or
- c. Paramedics,

in the jurisdiction where an "occurrence" or offense to which this insurance applies takes place.

13. Broadened Notice of Occurrence

Paragraph **a.** of Condition **2. Duties in the Event of Occurrence, Offense, Claim or Suit (SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS)** is hereby deleted and replaced by the following:

- a. You must see to it that we are notified as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, notice should include:
 - (1) How, when and where the "occurrence" or offense took place;
 - (2) The names and addresses of any injured persons and witnesses; and
 - (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.

This requirement applies only when the "occurrence" or offense is known to an "authorized representative".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ARIZONA AUTOMATIC ADDITIONAL INSURED - WHEN
REQUIRED IN CONTRACT OR AGREEMENT WITH YOU -
COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. SECTION II - WHO IS AN INSURED, 2. is amended to include:

e. Any person or organization, hereinafter referred to as **Additional Insured:**

- (1)** Who or which is not specifically named as an additional insured under any other provision of, or endorsement added to, this Coverage Part; and
- (2)** For whom you are required to add as an additional insured, except any architect, engineer or surveyor, on a completed operations basis on this Coverage Part

under a written contract or written agreement:

- (1)** But only with respect to liability caused, in whole or in part, by "your work" performed for that additional insured by you or on your behalf; and
- (2)** If the written contract or written agreement specifies coverage for the additional insured in the "products-completed operation hazard".

With respect to the person(s) or organization(s) referenced in Paragraph **A.2.e.** above, their status as an additional insured under this endorsement will not apply beyond the period of time required in that written construction contract or agreement referred to in Paragraph **A.2.e.** above. If that written construction contract or agreement does not specify a period of time, this coverage will not apply beyond 1 year from the completion of "your work" where the work that caused the "bodily injury" or "property damage" occurred. "Your work" will be deemed completed as specified in Paragraph **a.(2)** of **SECTION V - DEFINITIONS, 19. "Products-completed operations hazard"**.

B. With respect to the additional insureds referenced in Paragraph **A.2.e. above, the following exclusion is added to Paragraph **2. Ex-****

clusions of SECTION I - COVERAGES, COVERAGE A. BODILY INJURY AND PROPERTY DAMAGE LIABILITY, this insurance does not apply to "bodily injury" or "property damage" arising out of:

- 1. The rendering of or failure to render any professional services by you or on your behalf, but only with respect to either or both of the following operations:**
 - a. Providing engineering, architectural or surveying services to others; and**
 - b. Providing or hiring independent professionals to provide engineering, architectural or surveying services in connection with the construction work you perform.**

Subject to the final paragraph of this exclusion below, professional services include:

- a. Preparing, approving or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders, or drawings and specifications; and**
- b. Supervisory or inspection activities performed as a part of any architectural or engineering activities.**

Professional services do not include services within construction means, methods, techniques, sequences and procedures employed by you in connection with construction work you perform.

- 2. "Your work" for which a consolidated (wrap-up) insurance program has been provided by the prime contractor / project manager or owner of the construction project in which you are involved.**
- 3. "Bodily injury" or "property damage" arising out of "residential construction".**

C. SECTION III - LIMITS OF INSURANCE is amended to include:

The limits of insurance available to the additional insured(s) will not exceed:

1. Those limits specified in the written construction contract or agreement referred to in Paragraph **A.2.e.** above; or
2. The Limits of Insurance specified in the Declarations of this Coverage Part;

whichever are less. If no limits are specified in that written construction contract or agreement, the limits available to the additional insured(s) will not exceed the Limits of Insurance specified in the Declarations of this Coverage Part. The limits of insurance available to the additional insured(s) are inclusive of and not in addition to the Limits of Insurance shown in the Declarations.

D. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS is amended to include the following:

AUTOMATIC ADDITIONAL INSURED PROVISION

The written construction contract or agreement referred to in Paragraph **A.2.e.** above must:

1. Be currently in effect or become effective during the term of this Coverage Part; and
2. Have been executed prior to the "bodily injury" or "property damage" to which this endorsement pertains.

E. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 5. Other Insurance, b. Excess Insurance is amended to include the following:

1. Where required by the written construction contract or agreement referred to in Paragraph **A.2.e.** above, this insurance is primary and / or noncontributory as respects any other insurance policy issued to the additional insured, and such other insurance policy shall be excess and / or

noncontributing, whichever applies, with this insurance.

2. Any insurance provided by this endorsement shall be primary to other insurance available to the additional insured except:

- a. As otherwise provided in **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 5. Other Insurance, b. Excess Insurance**; or
- b. When other valid and collectible insurance is available to the additional insured:
 - (1) As an additional insured by attachment of an endorsement to another insurance policy; and
 - (2) On an excess basis.

In such case the coverage provided under this endorsement shall also be excess.

F. SECTION V - DEFINITIONS is amended to include:

1. "Residential construction" means:

- a. A structure where any of the structure's square foot area is used, or is intended, for the purpose of human habitation and includes, but is not limited to, single-family housing, multi-family housing, apartments, condominiums, townhouses, and similar structures intended for human habitation; and
- b. Common areas and appurtenant structures of those structures listed in Paragraph **1.a.** above.

"Residential construction" does not include:

- a. Hospitals or prisons; and
- b. Military housing, dormitories, long-term care facilities, hotels or motels, provided there is no individual ownership of units.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY / NONCONTRIBUTORY AMENDMENT OF CONDITIONS FOR DESIGNATED ADDITIONAL INSUREDS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART SCHEDULE

Name of Person or Organization (Additional Insured):

BLANKET IF REQUIRED BY WRITTEN CONTRACT, ORAL OR WRITTEN AGREEMENT
--

With respect to insurance provided the additional insured shown in the Schedule, **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 5. Other Insurance** is deleted in its entirety and replaced by the following:

5. Other Insurance

If other valid and collectible insurance is available to the additional insured for a loss we cover under Coverages **A** or **B** of this Coverage Part, our obligations are limited as follows:

a. Primary Insurance

Where required by a written contract, this insurance is primary and noncontributory as respects any other insurance policy issued to the additional insured. Otherwise, **b.** below applies.

b. Excess Insurance

This insurance is excess over any of the other insurance available to the additional insured whether primary, excess, contingent or on any other basis.

When this insurance is excess, we will have no duty under Coverages **A** or **B** to defend any claim or "suit" that any other insurer has a duty to defend. If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over any other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (1)** The total amount that all such other insurance would pay for the loss in the absence of this insurance; and
- (2)** The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, with any other insurance that was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

c. Method of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CinciPlus®
BUSINESS AUTO XC+®
(EXPANDED COVERAGE PLUS)
ENDORSEMENT

This endorsement modifies insurance provided by the following:

BUSINESS AUTO COVERAGE FORM

With respect to the coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

→ **A. Blanket Waiver of Subrogation**

SECTION IV - BUSINESS AUTO CONDITIONS, A. Loss Conditions, 5. Transfer of Rights of Recovery Against Others to Us is amended by the addition of the following:

We waive any right of recovery we may have against any person or organization because of payments we make for "bodily injury" or "property damage" arising out of the operation of a covered "auto" when you have assumed liability for such "bodily injury" or "property damage" under an "insured contract", provided the "bodily injury" or "property damage" occurs subsequent to the execution or the "insured contract".

→ **B. Noncontributory Insurance**

SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 5. Other Insurance c. is replaced by the following:

- c. Regardless of the provisions of Paragraph a. above, this Coverage Form's Liability Coverage is primary and we will not seek contribution from any other insurance for any liability assumed under an "insured contract" that requires liability to be assumed on a primary noncontributory basis.

→ **C. Additional Insured by Contract**

SECTION II - LIABILITY COVERAGE, A. Coverage, 1. Who is an Insured is amended to include as an insured any person or organization with which you have agreed in a valid written contract to provide insurance as is afforded by this policy.

This provision is limited to the scope of the valid written contract.

This provision does not apply unless the valid written contract has been:

1. Executed prior to the accident causing "bodily injury" or "property damage"; and
2. Is still in force at the time of the "accident" causing "bodily injury" or "property damage".

D. Employee Hired Auto

1. Changes in Liability Coverage

The following is added to the **Section II - Liability Coverage, A. Coverage, 1. Who is an Insured**:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in that "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. Changes in General Conditions

SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 5. Other Insurance is amended by replacing Paragraph 5.b. with the following:

- b. For Hired Auto Physical Damage Coverage the following are deemed to be covered "autos" you own:

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented by your "employee" under a contract in that individual "employee's" name, with your permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

E. Audio, Visual and Data Electronic Equipment

SECTION III - PHYSICAL DAMAGE COVERAGE, C. Limit of Insurance is amended by adding the following:

4. The most we will pay for all "loss" to audio, visual or data electronic equipment and any accessories used with this equipment as a result of any one "accident" is the lesser of:
 - a. The actual cash value of the damaged or stolen property as of the time of the "accident";
 - b. The cost of repairing or replacing the damaged or stolen property with other property of like kind and quality; or
 - c. \$2,500.

Provided the equipment, at the time of the "loss" is:

- a. Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment;
- b. Removable from a permanently installed housing unit as described in Paragraph 2.a. above; or
- c. An integral part of such equipment.

F. Who is an Insured - Amended

SECTION II - LIABILITY COVERAGE, A. Coverage, 1. Who is an Insured is amended by adding the following:

The following are "insureds":

1. Any subsidiary which is a legally incorporated entity of which you own a financial interest of more than 50% of the voting stock on the effective date of this coverage form.

However, the insurance afforded by this provision does not apply to any subsidiary that is an "insured" under any other automobile liability policy, or would be an "insured" under such policy but for termination of such policy or the exhaustion of such policy's limits of insurance.

2. Any organization that is newly acquired or formed by you and over which you maintain majority ownership. The insurance provided by this provision:

- a. Is effective on the date of acquisition or formation, and is afforded for 180 days after such date;
 - b. Does not apply to "bodily injury" or "property damage" resulting from an "accident" that occurred before you acquired or formed the organization;
 - c. Does not apply to any newly acquired or formed organization that is a joint venture or partnership; and
 - d. Does not apply to an insured under any other automobile liability policy, or would be an insured under such a policy but for the termination of such policy or the exhaustion of such policy's limits of insurance.
3. Any of your "employees" while using a covered "auto" in your business or your personal affairs, provided you do not own, hire or borrow that "auto".

G. Liability Coverage Extensions - Supplementary Payments - Higher Limits

SECTION II - LIABILITY COVERAGE, A. Coverage, 2. Coverage Extensions, a. Supplementary Payments is amended by:

1. Replacing the \$2,000 Limit of Insurance for bail bonds with \$4,000 in (2); and
2. Replacing the \$250 Limit of Insurance for reasonable expenses with \$500 in (4).

H. Amended Fellow Employee Exclusion

SECTION II - LIABILITY COVERAGE, B. Exclusions, 5. Fellow Employee is modified as follows:

Exclusion 5. **Fellow Employee** is deleted.

I. Hired Auto - Physical Damage

If hired "autos" are covered "autos" for Liability Coverage, then Comprehensive and Collision Physical Damage Coverages as provided under **SECTION III - PHYSICAL DAMAGE COVERAGE** of this Coverage Part are extended to "autos" you hire, subject to the following:

1. The most we will pay for "loss" to any hired "auto" is \$50,000 or the actual cash value or cost to repair or replace, whichever is the least, minus a deductible.
2. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage, or \$1,000, whichever is less.
3. Hired Auto - Physical Damage coverage is excess over any other collectible insurance.

4. Subject to the above limit, deductible, and excess provisions we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own insured under this policy.

Coverage includes loss of use of that hired auto, provided it results from an "accident" for which you are legally liable and as a result of which a monetary loss is sustained by the leasing or rental concern. The most we will pay for any one "accident" is \$3,000.

If a limit for Hired Auto - Physical Damage is shown in the Schedule, then that limit replaces, and is not added to, the \$50,000 limit indicated above.

J. Rental Reimbursement

SECTION III - PHYSICAL DAMAGE is amended by adding the following:

1. We will pay for rental reimbursement expenses incurred by you for the rental of an "auto" because of a "loss" to a covered "auto". Payment applies in addition to the otherwise applicable amount of each coverage you have on a covered "auto". No deductible applies to this coverage.
2. We will pay only for those expenses incurred during the policy period beginning 24 hours after the "loss" and ending, regardless of the policy's expiration, with the lesser of the following number of days:
 - a. The number of days reasonably required to repair the covered "auto". If "loss" is caused by theft, this number of days is added to the number of days it takes to locate the covered "auto" and return it to you; or
 - b. 30 days.
3. Our payment is limited to the lesser of the following amounts:
 - a. Necessary and actual expenses incurred; or
 - b. \$50 per day.
4. This coverage does not apply while there are spare or reserve "autos" available to you for your operations.
5. We will pay under this coverage only that amount of your rental reimbursement expenses which is not already provided for under **SECTION III - PHYSICAL DAMAGE COVERAGE, A. Coverage, 4. Coverage Extensions**.

K. Transportation Expense - Higher Limits

SECTION III - PHYSICAL DAMAGE COVERAGE, A. Coverage, 4. Coverage Extensions is amended by replacing \$20 per day with \$50 per day, and \$600 maximum with \$1,500 maximum in **Extension a. Transportation Expenses**.

L. Airbag Coverage

SECTION III - PHYSICAL DAMAGE COVERAGE, B. Exclusions, 3.a. is amended by adding the following:

However, the mechanical and electrical breakdown portion of this exclusion does not apply to the accidental discharge of an airbag. This coverage for airbags is excess over any other collectible insurance or warranty.

M. Loan or Lease Gap Coverage

1. **SECTION III - PHYSICAL DAMAGE COVERAGE, C. Limit of Insurance** is deleted in its entirety and replaced by the following, but only for private passenger type "autos" with an original loan or lease, and only in the event of a "total loss" to such a private passenger type "auto":
 - a. The most we will pay for "loss" in any one "accident" is the greater of:
 - (1) The amount due under the terms of the lease or loan to which your covered private passenger type "auto" is subject, but will not include:
 - (a) Overdue lease or loan payments;
 - (b) Financial penalties imposed under the lease due to high mileage, excessive use or abnormal wear and tear;
 - (c) Security deposits not refunded by the lessor;
 - (d) Costs for extended warranties, Credit Life Insurance, Health, Accident or Disability Insurance purchased with the loan or lease; and
 - (e) Carry-over balances from previous loans or leases, or
 - (2) Actual cash value of the stolen or damaged property.
 - b. An adjustment for depreciation and physical condition will be made in determining actual cash value at the time of "loss".

2. **SECTION V - DEFINITIONS** is amended by adding the following, but only for the purposes of this **Loan or Lease Gap Coverage**:

"Total loss" means a "loss" in which the cost of repairs plus the salvage value exceeds the actual cash value.

N. Glass Repair - Waiver of Deductible

SECTION III - PHYSICAL DAMAGE COVERAGE, D. Deductible is amended by adding the following:

No deductible applies to glass damage if the glass is repaired in a manner acceptable to us rather than replaced.

O. Duties in the Event of an Accident, Claim, Suit or Loss - Amended

SECTION IV - BUSINESS AUTO CONDITIONS, A. Loss Conditions, 2. Duties in the Event of Accident, Claim, Suit or Loss, a. is amended by adding the following:

This condition applies only when the "accident" or "loss" is known to:

1. You, if you are an individual;
2. A partner, if you are a partnership;
3. An executive officer or insurance manager, if you are a corporation; or
4. A member or manager, if you are a limited liability company.

P. Unintentional Failure to Disclose Hazards

SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 2. Concealment, Misrepresentation or Fraud is amended by adding the following:

However, if you unintentionally fail to disclose any hazards existing on the effective date of this Coverage Form, we will not deny coverage under this Coverage Form because of such failure.

Q. Mental Anguish Resulting from Bodily Injury

SECTION V - DEFINITIONS, C. "Bodily injury" is deleted in its entirety and replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by a person, including mental anguish and death sustained by the same person that results from such bodily injury, sickness or disease. "Bodily injury" does not include mental anguish or death that does not result from bodily injury, sickness or disease.

R. Coverage for Certain Operations in Connection with Railroads

With respect to the use of a covered "auto" in operations for or affecting a railroad:

1. **Section V - Definitions, H. "Insured contract", 1.c.** is amended to read:
 - c. An easement or license agreement;
2. **Section V - Definitions, H. "Insured contract", 2.a.** is deleted.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

BLANKET WAIVER OF SUBROGATION

IF YOU ARE REQUIRED BY A WRITTEN CONTRACT OR AGREEMENT, WHICH IS EXECUTED BEFORE A LOSS, TO WAIVE YOUR RIGHTS OF RECOVERY FROM OTHERS, WE AGREE TO WAIVE OUR RIGHTS OF RECOVERY.

THIS WAIVER OF RIGHTS APPLIES TO ANY PERSON OR ORGANIZATION FOR WHOM THE NAMED INSURED HAS AGREED BY WRITTEN CONTRACT TO FURNISH THIS WAIVER, BUT SHALL NOT BE CONSTRUED TO BE A WAIVER WITH RESPECT TO ANY OTHER OPERATIONS IN WHICH THE INSURED HAS NO CONTRACTUAL INTEREST.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 04/01/2018 Policy No. EWC043223300 Endorsement No.

Insured Felix Construction Company

Premium \$ Incl.

Insurance Company CINCINNATI INSURANCE COMPANY

Countersigned by _____

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**CANCELLATION OR NONRENEWAL BY US
NOTIFICATION TO A DESIGNATED ENTITY**

This endorsement modifies insurance provided under the following:

**BUSINESSOWNERS PACKAGE POLICY
CLAIMS-MADE EXCESS LIABILITY COVERAGE PART
COMMERCIAL AUTO COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
COMMERCIAL UMBRELLA LIABILITY COVERAGE PART
DENTIST'S PACKAGE POLICY
EXCESS LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS COVERAGE PART
PROFESSIONAL LIABILITY COVERAGE PART
PROFESSIONAL UMBRELLA LIABILITY COVERAGE PART
PROFESSIONAL UMBRELLA LIABILITY COVERAGE PART - CLAIMS-MADE**

SCHEDULE

Name and mailing address of person(s) or organization(s):

City of Goodyear
190 N Litchfield Road
PO Box 5100
Goodyear, Arizona 85338

Number of days notice (other than nonpayment of premium): 30

- A.** If we cancel or nonrenew this policy for any statutorily permitted reason other than nonpayment of premium we will mail notice to the person or organization shown in the Schedule. We will mail such notice at least the number of days shown in the Schedule before the effective date of cancellation or nonrenewal.
- B.** If we cancel this policy for nonpayment of premium, we will mail notice to the person or organization shown in the Schedule. We will mail such notice at least 10 days before the effective date of cancellation.
- C.** If notice is mailed, proof of mailing to the mailing address shown in the Schedule will be sufficient proof of notice.
- D.** In no event will coverage extend beyond the actual expiration, termination or cancellation of the policy.