



**PROFESSIONAL SERVICES AGREEMENT
CONSTRUCTION MANAGEMENT SERVICES
TUMBLEWEED AQUIFER STORAGE AND RECOVERY WELL NO. 8
PROJECT NO. WW2403.451**

Council Date: August 13, 2026

THIS AGREEMENT ("Agreement") is made and entered into on the ____ day of _____, 2026, ("Effective Date"), by and between City of Chandler, an Arizona municipal corporation, ("City"), and Matrix New World Engineering, Land Surveying and Landscape Architecture, PC dba Matrix New World Engineering, a New Jersey corporation, ("Consultant") (City and Consultant may individually be referred to as "Party" and collectively referred to as "Parties").

RECITALS

A. City proposes to engage Consultant to provide construction management services for Tumbleweed Aquifer Storage and Recovery Well No. 8 project ("Project") as more fully described in Exhibit "A" ("Services"), which is attached to and made a part of this Agreement by this reference.

B. Consultant is ready, willing, and able to provide the services described in **Exhibit "A"** for the compensation and fees set forth and as described in **Exhibit "B"**, which is attached to and made a part of this Agreement by this reference.

C. City desires to enter into an Agreement with Consultant to provide these services under the terms and conditions set forth in this Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the premises and the mutual promises contained in this Agreement, City and Consultant agree as follows:

SECTION I--CONSULTANT'S SERVICES

Consultant must perform the services described in **Exhibit "A"** to City's satisfaction within the terms and conditions of this Agreement and within the care and skill that a person who provides similar services in Chandler, Arizona exercises under similar conditions. All work or services furnished by Consultant under this Agreement must be performed in a skilled and workmanlike manner. All fixtures, furnishings, and equipment furnished by Consultant as part of the work or services under this Agreement must be new, or the latest model, and of

the most suitable grade and quality for the intended purpose of the work or service.

SECTION II--PERIOD OF SERVICE

Consultant must perform the services described in **Exhibit "A"** for the term of this Agreement. Unless amended in writing by the Parties, the Agreement term expires 225 calendar days after the Notice to Proceed (NTP) Date.

SECTION III--PAYMENT OF COMPENSATION AND FEES

Unless amended in writing by the Parties, Consultant's compensation and fees as more fully described in **Exhibit "B"** for performance of the services approved and accepted by City under this Agreement must not exceed \$231,832.97 for the full term of the Agreement. Consultant may not increase any compensation or fees under this Agreement without the City's prior written consent. Consultant must submit monthly requests for payment of services approved and accepted during the previous billing period and must include, as applicable, detailed invoices and receipts, a narrative description of the tasks accomplished during the billing period, a list of any deliverables submitted, and any subconsultant's or supplier's actual requests for payment plus similar narrative and listing of their work. Consultant must submit an Application and Certification for Payment Sheet with the monthly request for payment to: CapitalProjects.Payables@chandleraz.gov. Payment for those services negotiated as a lump sum will be made in accordance with the percentage of the work completed during the preceding billing period. Services negotiated as a not-to-exceed fee will be paid in accordance with the work effort expended on the service during the preceding month. All requests for payment must be submitted to City for review and approval. City will make payment for approved and accepted services within 30 calendar days of City's receipt of the request for payment. Consultant bears all responsibility and liability for any and all tax obligations that result from Consultant's performance under this Agreement.

SECTION IV--CITY'S OBLIGATIONS

As part of Consultant's services under this Agreement, City will provide furnished items, services, or obligations as detailed in **Exhibit "D"**.

SECTION V--GENERAL CONDITIONS

5.1 Notices. Unless otherwise provided herein, demands under this Agreement must be in writing and will 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 date of the postmark of deposit by first class United States mail, registered or certified, postage prepaid and properly addressed as follows:

To City:	City of Chandler - Public Works & Utilities Department Attn: CIP City Engineer: Daniel Haskins, P.E. P.O. Box 4008, Mail Stop 407 Chandler, AZ 85244-4008 Phone: 480-782-3335 Email: Daniel.Haskins@chandleraz.gov	
With a copy to:	City of Chandler - Public Works & Utilities Department Attn: Russ Slotnick, Construction Project Manager P.O. Box 4008, Mail Stop 407, Chandler, AZ 85244-4008 Phone: 480-782-3411 Email: Russ.Slotnick@chandleraz.gov	
To Consultant:	LEGAL COMPANY NAME:	Matrix New World Engineering, Land Surveying and Landscape Architecture, PC dba Matrix New World Engineering
	Mailing Address:	26 Columbia Turnpike, 2nd Floor Florham Park, NJ 07932
	Physical Address:	3033 North 44th Street, Ste 270 Phoenix, AZ 85018
	Statutory Agent Name:	Capitol Corporate Services, Inc.
	Statutory Agent Mailing Address:	8825 North 23rd Avenue, Suite 100 Phoenix, AZ 85021
	Statutory Agent Physical Address:	8825 North 23rd Avenue, Suite 100 Phoenix, AZ 85021
	CONSULTANT'S AUTHORIZED PROJECT REPRESENTATIVE	
	Name:	Harry S. Brenton, RG
	Title:	Vice President, Hydrogeological Services
	Phone:	480-322-1474
	Email:	hbrenton@mnwe.com

5.2 Records/Audit. Records of Consultant's direct personnel payroll, reimbursable expenses pertaining to this Agreement and records of accounts between City and Consultant must be kept on the basis of generally accepted accounting principles and must be made available to City and its auditors for up to three years following City's final acceptance of the services under this Agreement (this requirement is increased to five years if construction of this project is federally funded). City, its authorized representative, or any federal agency, reserves the right to audit Consultant's records to verify the accuracy and appropriateness of all cost and pricing data, including data used to negotiate this Agreement and any amendments. City reserves the right to decrease the total amount of Agreement price or payments made under this Agreement or request reimbursement from Consultant following final Agreement payment on this Agreement if, upon audit of Consultant's records, the audit discloses Consultant has provided false, misleading, or inaccurate cost and pricing data. Consultant will include a similar provision in all of its Agreements with subconsultants who provide services under the Agreement to ensure that City, its authorized representative, or the appropriate federal agency, has access to the subconsultants' records to verify the accuracy of all cost and pricing data. City reserves the right to decrease Agreement price or

payments made on this Agreement or request reimbursement from Consultant following final payment on this Agreement if the above provision is not included in subconsultant agreements, and one or more subconsultants refuse to allow City to audit their records to verify the accuracy and appropriateness of all cost and pricing data. If, following an audit of this Agreement, the audit discloses Consultant has provided false, misleading, or inaccurate cost and pricing data, and the cost discrepancies exceed 1% of the total Agreement billings, Consultant will be liable for reimbursement of the reasonable, actual cost of the audit.

5.3 Alteration in Character of Work. Whenever an alteration in the character of work results in a substantial change in this Agreement, thereby materially increasing or decreasing the scope of services, cost of performance, or Project schedule, the work will be performed as directed by City. However, before any modified work is started, a written amendment must be approved and executed by City and Consultant. Such amendment must not be effective until approved by City. Additions to, modifications, or deletions from this Agreement as provided herein may be made, and the compensation to be paid to Consultant may accordingly be adjusted by mutual agreement of the Parties. It is distinctly understood and agreed that no claim for extra services or materials furnished by Consultant will be allowed by City except as provided herein, nor must Consultant do any work or furnish any materials not covered by this Agreement unless such work is first authorized in writing. Any such work or materials furnished by Consultant without prior written authorization will be at Consultant's own risk, cost, and expense, and Consultant hereby agrees that without written authorization Consultant will make no claim for compensation for such work or materials furnished.

5.4 Termination. City and Consultant hereby agree to the full performance of the covenants contained herein, except that City reserves the right, at its discretion and without cause, to terminate or abandon any service provided for in this Agreement, or abandon any portion of the Project for which services have been performed by Consultant. In the event City abandons or suspends the services, or any part of the services as provided in this Agreement, City will notify Consultant in writing and immediately after receiving such notice, Consultant must discontinue advancing the work specified under this Agreement. Upon such termination, abandonment, or suspension, Consultant must deliver to City all drawings, plans, specifications, special provisions, estimates and other work entirely or partially completed, together with all unused materials supplied by City. Consultant must appraise the work Consultant has completed and submit Consultant's appraisal to City for evaluation. City may inspect Consultant's work to appraise the work completed. Consultant will receive compensation in full for services performed to the date of such termination. The fee will be paid in accordance with Section III of this Agreement, and as mutually agreed upon by Consultant and City. If there is no mutual agreement on payment, the final determination will be made in accordance with the "Disputes" provision in this Agreement. However, in no event may the fee exceed the fee set forth in Section III of this Agreement nor as amended in accordance with Section "Alteration in Character of Work." City will make the final payment within 60 days after Consultant has delivered the last of the partially completed items and the Parties agree on the final fee. If City is found to have improperly terminated the Agreement for cause or default, the termination will be converted to a termination for convenience in accordance with the provisions of this Agreement.

5.5 Indemnification. To the extent permitted by law, the Consultant ("Indemnitor") must

indemnify, save and hold harmless City and its officers, officials, agents and employees ("Indemnatee") from any and all claims, actions, liabilities, damages, losses or expenses (including court costs, attorneys' fees and costs of claim processing, investigation and litigation) ("Claims") caused or alleged to be caused, in whole or in part, by the wrongful, negligent or willful acts, or errors or omissions of Consultant or any of its owners, officers, directors, agents, employees, or subconsultants in connection with this Agreement. This indemnity includes any claim or amount arising out of or recovered under workers' compensation law or on account of the failure of Consultant to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. Consultant must indemnify Indemnatee from and against any and all Claims, except those arising solely from Indemnatee's own negligent or willful acts or omissions. Consultant is responsible for primary loss investigation, defense and judgment costs where this indemnification applies. In consideration of the award of this Agreement, Consultant agrees to waive all rights of subrogation against Indemnatee for losses arising from or related to this Agreement. The obligations of Consultant under this provision survive the termination or expiration of this Agreement.

5.6 Insurance Requirements. Consultant must procure insurance under the terms and conditions and for the amounts of coverage set forth in **Exhibit "C"** against claims that may arise from or relate to performance of the work under this Agreement by Consultant and its agents, representatives, employees, and subconsultants. Consultant and any subconsultant must maintain this insurance until all of their obligations have been discharged, including any warranty periods under this Agreement. These insurance requirements are minimum requirements for this Agreement and in no way limit the indemnity covenants contained in this Agreement. City in no way warrants that the minimum limits stated in **Exhibit "C"** are sufficient to protect Consultant from liabilities that might arise out of the performance of the work under this Agreement by Consultant, Consultant's agents, representatives, employees, or subconsultants. Consultant is free to purchase such additional insurance as may be determined necessary.

5.7 Cooperation and Further Documentation. Consultant agrees to provide City such other duly executed documents as may be reasonably requested by City to implement the intent of this Agreement.

5.8 Successors and Assigns. City and Consultant each bind itself, its partners, successors, assigns, and legal representatives to the other party to this Agreement and to the partners, successors, assigns, and legal representatives of such other party in respect to all covenants of this Agreement. Neither City nor Consultant may assign, sublet, or transfer its interest in this Agreement without the written consent of the other party. In no event may any contractual relation be created between any third party and City.

5.9 Disputes. In any dispute arising out of an interpretation of this Agreement or the duties required not disposed of by agreement between Consultant and City, the final determination at the administrative level will be made by City Engineer.

5.10 Completeness and Accuracy of Consultant's Work. Consultant must be responsible for the completeness and accuracy of Consultant's services, data, and other work prepared or compiled under Consultant's obligation under this Agreement and must correct, at

Consultant's expense, all willful or negligent errors, omissions, or acts that may be discovered. Correction of errors disclosed and determined to exist during any construction of the project on architectural or engineering drawings and specifications must be accomplished by Consultant. The cost of the design necessary to correct those errors attributable to Consultant and any damage incurred by City as a result of additional construction costs caused by such engineering or architectural errors will be chargeable to Consultant and will not be considered a cost of the Work. The fact that City has accepted or approved Consultant's work will in no way relieve Consultant of any of Consultant's responsibilities.

5.11 Reporting. Written monthly reports, along with updated work schedules, will be made by Consultant in the format prescribed by City. These reports will be delivered to City per schedule. When requested by City, Consultant will attend Council meetings and provide finished documents including correspondence for Council action, supporting charts, graphs, drawings and colored slides of same.

5.12 Withholding Payment. City reserves the right to withhold funds from Consultant's payments up to the amount equal to the claims City may have against Consultant until such time that a settlement on those claims has been reached.

5.13 City's Right of Cancellation. The Parties acknowledge that this Agreement is subject to cancellation by City under the provisions of Section 38-511, Arizona Revised Statutes (A.R.S.).

5.14 Independent Consultant. For this Agreement Consultant constitutes an independent contractor. Any provisions in this Agreement that may appear to give City the right to direct Consultant as to the details of accomplishing the work or to exercise a measure of control over the work means that Consultant must follow the wishes of City as to the results of the work only. These results must comply with all applicable laws and ordinances.

5.15 Project Staffing. Prior to the start of any work under this Agreement, Consultant must submit to City detailed resumes of key personnel that will be involved in performing services prescribed in the Agreement. City hereby acknowledges its acceptance of such personnel to perform services under this Agreement. At any time hereafter that Consultant desires to change key personnel while performing under the Agreement, Consultant must submit the qualifications of the new personnel to City for prior approval. Key personnel include, but are not limited to, principals-in-charge, project manager, and project Consultant. Consultant will maintain an adequate and competent staff of qualified persons, as may be determined by City, throughout the performance of this Agreement to ensure acceptable and timely completion of the Scope of Services. If City objects, with reasonable cause, to any of Consultant's staff, Consultant must take prompt corrective action acceptable to City and, if required, remove such personnel from the Project and replace with new personnel agreed to by City.

5.16 Consultants or Subconsultants. Prior to beginning the work, Consultant must furnish City for approval the names of consultants or subconsultants to be used under this Agreement. Any subsequent changes are subject to City's written prior approval.

5.17 Force Majeure. If either party is delayed or prevented from the performance of any act required under this Agreement by reason of acts of God or other cause beyond the control

and without fault of the Party (financial inability excepted), performance of that act may be excused, but only for the period of the delay, if the Party provides written notice to the other Party within ten days of such act. The time for performance of the act may be extended for a period equivalent to the period of delay from the date written notice is received by the other Party.

5.18 Compliance with Federal Laws. Consultant 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. Consultant agrees to comply with these laws in performing this Agreement and to permit City to verify such compliance.

5.19 No Israel Boycott. By entering into this Agreement, Consultant certifies that Consultant is not currently engaged in, and agrees for the duration of the Agreement, not to engage in a boycott of Israel as defined by state statute.

5.20 Legal Worker Requirements. A.R.S. § 41-4401 prohibits City from awarding an Agreement to any consultant who fails, or whose subconsultants fail, to comply with A.R.S. § 23-214(A). Therefore, Consultant agrees Consultant and each subconsultant it uses warrants their compliance with all federal immigration laws and regulations that relate to their employees and their compliance with § 23-214, subsection A. A breach of this warranty will be deemed a material breach of the Agreement and may be subject to penalties up to and including termination of the Agreement. City retains the legal right to inspect the papers of any Consultant's or subconsultant's employee who provides services under this Agreement to ensure that Consultant and subconsultants comply with the warranty under this provision.

5.21 Lawful Presence Requirement. A.R.S. §§ 1-501 and 1-502 prohibit City from awarding an Agreement to any natural person who cannot establish that such person is lawfully present in the United States. To establish lawful presence, a person must produce qualifying identification and sign a City-provided affidavit affirming that the identification provided is genuine. This requirement will be imposed at the time of Agreement award. This requirement does not apply to business organizations such as corporations, partnerships, or limited liability companies.

5.22 Covenant Against Contingent Fees. Consultant 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 Chandler City Council, or any City employee has any interest, financially, or otherwise, in Consultant's firm. For breach or violation of this warrant, City may annul this Agreement without liability or, at its discretion, to deduct from the Agreement price or consideration, the full amount of such commission, percentage, brokerage, or contingent fee.

5.23 Non-Waiver Provision. 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 must not be construed to be a waiver of such provisions, nor must it affect the validity of this Agreement or any part thereof, or the right of either Party to thereafter enforce each and every provision.

5.24 Disclosure of Information Adverse to City's Interests. To evaluate and avoid potential conflicts of interest, Consultant must provide written notice to City, as set forth in this Section, of any work or services performed by Consultant for third parties that may involve or be associated with any real property or personal property owned or leased by City. Such notice must be given 7 business days prior to commencement of the services by Consultant for a third party, or 7 business days prior to an adverse action as defined below. Written notice and disclosure must be sent in accordance with Section 6.7 above. An adverse action under this Agreement includes, but is not limited to: (a) using data as defined in the Agreement acquired in connection with this Agreement to assist a third party in pursuing administrative or judicial action against City; or (b) testifying or providing evidence on behalf of any person in connection with an administrative or judicial action against City; or (c) using data to produce income for Consultant or its employees independently of performing the services under this Agreement, without the prior written consent of City. Consultant represents that except for those persons, entities, and projects identified to City, the services performed by Consultant 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 City's interests. Consultant's failure to provide a written notice and disclosure of the information as set forth in this Section constitute a material breach of this Agreement.

5.25 Data Confidentiality and Data Security. As used in the 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, obtained by, or transmitted to Consultant or its subconsultants in the performance of this Agreement. The Parties agree that all data, regardless of form, including originals, images, and reproductions, prepared by, obtained by, or transmitted to Consultant or its subconsultants in connection with Consultant's or its subconsultant's performance of this Agreement is confidential and proprietary information belonging to City. Except as specifically provided in this Agreement, Consultant or its subconsultants must not divulge data to any third party without City's prior written consent. Consultant or its subconsultants must not use the data for any purposes except to perform the services required under this Agreement. These prohibitions do not apply to the following data provided to Consultant or its subconsultants have first given the required notice to City: (a) data which was known to Consultant or its subconsultants prior to its performance under this Agreement or its subconsultants by a third party, who to the best of Consultant's or its subconsultants' knowledge and belief, had the legal right to make such disclosure and Consultant or its subconsultants are not otherwise required to hold such data in confidence; or (c) data which is required to be disclosed by virtue of law, regulation, or court order, to which Consultant or its subconsultants are subject. In the event Consultant or its subconsultants are required or requested to disclose data to a third party, or any other information to which Consultant or its subconsultants became privy as a result of any other Agreement with City, Consultant must first notify City as set forth in this Section of the request or demand for the data. Consultant or its subconsultants must give City sufficient facts so that City can be given an opportunity to first give its consent or take such action that City may deem appropriate to protect such data or other information from disclosure. All data must continue to be subject to the confidentiality agreements of this Agreement. Consultant or its subconsultants assume all liability to maintain the confidentiality of the data in its possession and agrees to compensate City if any of the provisions of this Section are violated by

Consultant, its employees, agents or subconsultants. Solely for the purposes of seeking injunctive relief, it is agreed that a breach of this Section must be deemed to cause irreparable harm that justifies injunctive relief in court. Consultant agrees that the requirements of this Section must be incorporated into all subagreements entered into by Consultant. A violation of this Section may result in immediate termination of this Agreement without notice.

5.26 Personal Identifying Information-Data Security. Personal identifying information, financial account information, or restricted City information, whether electronic format or hard copy, must be secured and protected at all times by Consultant or its subconsultants. At a minimum, Consultant or its subconsultants must encrypt or password-protect electronic files. This includes data saved to laptop computers, computerized devices, or removable storage devices. When personal identifying information, financial account information, or restricted City information, regardless of its format, is no longer necessary, the information must be redacted or destroyed through appropriate and secure methods that ensure the information cannot be viewed, accessed, or reconstructed. In the event that data collected or obtained by Consultant or its subconsultants in connection with this Agreement is believed to have been compromised, Consultant or its subconsultants must immediately notify City contact. Consultant agrees to reimburse City for any costs incurred by City to investigate potential breaches of this data and, where applicable, the cost of notifying individuals who may be impacted by the breach. Consultant agrees that the requirements of this Section must be incorporated into all subcontracts entered into by Consultant. It is further agreed that a violation of this Section must be deemed to cause irreparable harm that justifies injunctive relief in court. A violation of this Section may result in immediate termination of this Agreement without notice. The obligations of Consultant or its subconsultants under this Section must survive the termination of this Agreement.

5.27 Jurisdiction and Venue. This Agreement is made under and must 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 must be brought in the courts located in Maricopa County, Arizona, and for this purpose, each Party hereby expressly and irrevocably consents to the jurisdiction and venue of such court.

5.28 Survival. All warranties, representations, and indemnifications by Consultant must survive the completion or termination of this Agreement.

5.29 Modification. Except as expressly provided herein to the contrary, no supplement, modification, or amendment of any term of this Agreement will be deemed binding or effective unless in writing and signed by the Parties.

5.30 Severability. If any provision of this Agreement or the application to any person or circumstance may be invalid, illegal or unenforceable to any extent, the remainder of this Agreement and the application will not be affected and will be enforceable to the fullest extent permitted by law.

5.31 Integration. This Agreement contains the full agreement of the Parties. Any prior or contemporaneous written or oral agreement between the Parties regarding the subject

matter is merged and superseded.

5.32 Time is of the Essence. Time of each of the terms, covenants, and conditions of this Agreement is hereby expressly made of the essence.

5.33 Date of Performance. If the date of performance of any obligation or the last day of any time period provided for should fall on a Saturday, Sunday, or holiday for City, the obligation will be due and owing, and the time period will expire, on the first day after which is not a Saturday, Sunday or legal City holiday. Except as may otherwise be set forth in this Agreement, any performance provided for herein will be timely made if completed no later than 5:00 p.m. (Chandler time) on the day of performance.

5.34 Third Party Beneficiary. Nothing under this Agreement will be construed to give any rights or benefits in the Agreement to anyone other than City and Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of City and Consultant and not for the benefit of any other party.

5.35 Conflict in Language. All work performed must conform to all applicable City of Chandler 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 prevail.

5.36 Document/Information Release. Documents and materials released to Consultant, which are identified by City as sensitive and confidential, are City's property. The document/material must be issued by and returned to City upon completion of the services under this Agreement. Consultant secondary distribution, disclosure, copying, or duplication in any manner is prohibited without City's prior written approval. The document/material must be kept secure at all times. This directive applies to all City documents, whether in photographic, printed, or electronic data format.

5.37 Exhibits. The following exhibits are made a part of this Agreement and are incorporated by reference:

Exhibit A - Scope of Services / Schedule

Exhibit B - Compensation and Fees

Exhibit C - Insurance Requirements

Exhibit D - Special Conditions

Exhibit E - Subconsultant Documents with Consultant (if applicable)

Exhibit F - Federal Requirements (if applicable)

5.38 Special Conditions. As part of the services Consultant provides under this Agreement, Consultant agrees to comply with and fully perform the special terms and conditions set forth in **Exhibit "D"**, which is attached to and made a part of this Agreement.

5.39 Non-Discrimination and Anti-Harassment Laws. Consultant must comply with all applicable City, state, and federal non-discrimination and anti-harassment laws, rules, and regulations.

5.40 Licenses and Permits. Beginning with the Effective Date and for the full term of this Agreement, Consultant must maintain all applicable City, state, and federal licenses and

permits required to fully perform Consultant's services under this Agreement.

5.41 Warranties. Consultant must furnish a one-year warranty on all work and services performed under this Agreement. Consultant must furnish, or cause to be furnished, a two-year warranty on all fixtures, furnishings, and equipment furnished by Consultant, subconsultants or suppliers under this Agreement. Any defects in design, workmanship, or materials that do not comply with this Agreement must be corrected by Consultant (including, but not limited to, all parts and labor) at Consultant's sole cost and expense. All written warranties and redlines for as-built conditions must be delivered to City on or before City's final acceptance of Consultant's services under this Agreement.

5.42 Cooperative Purchasing Agreement (S.A.V.E. – Strategic Alliance for Volume Expenditures). In addition to City of Chandler and with the approval of Consultant, this Agreement may be extended for use by other municipalities, school districts, and government agencies of the State. Any such usage by other entities must be in accordance with the ordinance, charter, or procurement rules and regulations of the respective political entity.

5.43 Budget Approval into Next Fiscal Year. This Agreement will commence on the Effective Date and continue in full force and effect until it is terminated or expires in accordance with the provisions of this Agreement. The Parties recognize that the continuation of this Agreement after the close of the City's fiscal year, which ends on June 30 of each year, is subject to the City Council's approval of a budget that includes an appropriation for this item as an expenditure. The City does not represent that this budget item will be actually adopted. This determination is solely made by the City Council.

5.44 Forced Labor of Ethnic Uyghurs Prohibited. By entering into this Agreement, Contractor certifies and agrees Contractor does not currently use and will not use for the term of this Agreement: (i) the forced labor of ethnic Uyghurs in the People's Republic of China; or (ii) any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; or (iii) any contractors, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.

5.45 License to City for Reasonable Use. With this Agreement, Consultant and its subconsultants hereby grant a license to 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. This license also includes the making of derivative works.

This Agreement will be in full force and effect only when it has been approved and executed by the duly authorized City officials.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the Effective Date.

"CITY"
CITY OF CHANDLER

"CONSULTANT"
MATRIX NEW WORLD ENGINEERING

Mayor

Harry Brenton July 20, 2026
Signature Date

RECOMMENDED BY:

Daniel Haskins July 21, 2026
Daniel Haskins, P.E.
CIP City Engineer

Harry Brenton
Print Name

Vice President - Hydrogeological Services
Title

hbrenton@mnwe.com
Signer Email Address

APPROVED AS TO FORM:

City Attorney 

ATTEST:

City Clerk Seal

EXHIBIT "A"
SCOPE OF SERVICES/SCHEDULE

EXHIBIT "A"
CONSTRUCTION MANAGEMENT
SCOPE OF SERVICES
Tumbleweed Aquifer Storage Recovery Well 8 Redrill
PROJECT NO. WW2403.451

(Matrix Project No. 26-01051)

PHASE 1 EXISTING WELL ASR-8 ABANDONMENT

Task 1.1 ADWR Permitting and HASP

Matrix will prepare a well abandonment strategy and help the Drilling Contractor complete Arizona Department of Water Resources (ADWR) Form 55-38 – *Notice of Intention to Abandon a Well* for the City's review and signature. The Permit Application Package will be submitted to ADWR for approval using the appropriate abandonment method pursuant to Arizona Administrative Code (A.A.C.) § R12-15-816.

This task also includes development a site-specific Health and Safety Plan (HASP) for Matrix field personnel to follow. Matrix understands that the Pump and Drilling Contractors will be hired directly by the City and each Contractor will be responsible for the health and safety of its own personnel and the overall safety of the Site. Each work shift will begin with a daily site safety briefing to include the work anticipated to be performed during each shift.

Task 1.2 Well Abandonment

Following ADWR approval, Matrix will coordinate with the City and the Drilling Contractor to abandon existing Well ASR-8. Matrix personnel will document all abandonment activities to demonstrate the abandonment process is protective of the aquifer and the ongoing recharge and recovery activities. Matrix understands that the City will contract the Drilling Contractor to conduct well abandonment activities. Matrix will recommend approval of contractor lump sum payment for completion of well abandonment. It is assumed that well abandonment will take approximately 5 days to complete.

Task 1.3 Well Abandonment Report

Following the abandonment of Well ASR-8, Matrix will assist the Drilling Contractor with preparation and submittal of ADWR Form 55-36, Well Owner's Notification of Abandonment. Matrix will prepare a final Well Abandonment Report for submittal to the City, which will include the Well Abandonment Completion Report and the Well Owner's Notification of Abandonment.

In addition, Matrix will prepare a Technical Memorandum summarizing the abandonment activities, including methods, materials, and field observations. The memorandum will be submitted to the City for review and comment.

PHASE 2 REPLACEMENT WELL ASR-8R DRILLING, INSTALLATION AND TESTING

Task 2.1 Project Management and Meetings

Matrix will provide focused and efficient project management to support the City during Replacement Well ASR-8R construction oversight. Project management will be led by a senior technical lead with support from project management staff and experienced field personnel, serving as the primary point of contact for the City and coordinating closely with the Drilling Contractor, subcontractors, and regulatory agencies (e.g., ADWR). Responsibilities will include managing scope, schedule, and budget; tracking progress across well abandonment and replacement activities; providing quality assurance and technical oversight to ensure compliance with project specifications and applicable standards; and maintaining complete project documentation, including field records, daily reports, and key decisions. Matrix will review/approve Contractor's official project schedule, approve/sign contractor pay applications, utility coordination as applicable, assist in project closeout, review/approve project record drawings

Communication will be structured for consistent and proactive coordination throughout the duration of the Project. Matrix will work with the City to create metering agendas and conduct a preconstruction meeting with City staff and the selected Drilling Contractor to confirm project objectives, roles, communication protocols, and anticipated schedule and prepare meeting minutes. During construction, Matrix will provide ongoing day-to-day coordination through direct communication between field personnel and the contractor, supplemented by daily email updates summarizing field activities, progress, and any issues requiring City awareness or input. In addition, Matrix will prepare agendas for, and estimated 14 weekly progress meetings with the City (and contractor, as appropriate) to review construction status, address technical or schedule considerations, confirm upcoming activities and provide meeting minutes. Costs are included for an additional 12 meetings/calls that will be held on an as-needed basis to address key decisions or construction deviations. Matrix will support project closeout coordination and final documentation upon completion of construction activities.

Task 2.2 Surface Casing and Pilot Hole Drilling

This task includes oversight during drilling and installation of the surface conductor casing and pilot borehole drilling to the specified depth. Matrix will provide periodic construction oversight of the pilot borehole per Project specifications. This task will include site inspections, evaluation of lithology encountered, documentation of materials used and dimensions, compliance with Technical Specifications, and communication with the Drilling Contractor and City via telephone, email, and meetings. Matrix will assign an Arizona-registered geologist to oversee field and well construction activities. This task includes daily email updates summarizing site activities. It is estimated that the surface casing and pilot hole drilling will take approximately 8 days to complete.

During pilot borehole drilling, a Matrix geologist will describe the drilled cuttings, review the drilling penetration rate log, and analyze the geophysical logs to prepare a lithologic log of the pilot borehole. Matrix will also collect representative samples within the proposed screen interval for sieve analysis.

Based on results of the borehole logging, Matrix will prepare a final well schematic for the City to review and approve via a meeting or teleconference. Following agreement, Matrix will prepare a final well diagram for submittal to the Drilling Contractor for material orders and construction.

Task 2.3 Borehole Reaming, Well Installation

Following completion of the pilot borehole and evaluation of geophysical logs, Matrix will confer with the City to review the data and finalize the well design. Upon agreement, Matrix will prepare a final well schematic for submittal to the Drilling Contractor to support material procurement and construction.

Matrix staff will be onsite full time during installation of well materials to respond to Drilling Contractor questions, provide oversight to ensure compliance with the Technical Specifications, and document construction activities. This will include documentation of the condition and quality of welds during casing installation based on visual observation. Visual review will include general weld bead continuity, uniformity, and the absence of readily observable defects (e.g., visible cracks, gaps, or incomplete weld passes). Matrix personnel will document observed conditions; however, weld evaluation is limited to qualitative field observation and does not constitute certified weld inspection or nondestructive testing. Welds exhibiting visibly deficient conditions will be brought to the attention of the Drilling Contractor for corrective action. Well construction is anticipated to require approximately three days to complete.

Task 2.4 Rig Development (Swab and Airlift)

Matrix maintains that proper well development is key to maximizing the production capacity and efficiency of the well. This is based on results documented in the field. During early passes, Matrix will communicate with the Drilling Contractor. During the final pass of swab and airlift development, Matrix will provide full time, 24/7 field oversight. We estimate the final pass will take 3 days to complete.

During rig development (airlifting), Matrix will:

- Confirm well development equipment meets the Technical Specifications
- Document the volume of water being removed via airlifting
- Document evacuation of any drilling mud (if used) and sand content of the groundwater discharge with an Imhoff cone
- Confirm the final development water has no more than 5 parts per million (ppm) sand
- Maintain a photographic log of all rig development activities

Task 2.5 Pump Development (Pump and Surge)

Following swab and airlift development, the Drilling Contractor will install temporary test pumping equipment and Baski valve. Matrix will review and convey the size and horsepower of the test pump equipment to the City to confirm it meets the needs of the anticipated testing requirements. Matrix will confirm with the Drilling Contractor test pumping equipment to be used for pump development, step-rate and constant-rate discharge and injection testing, including:

- A pipe tally of installation of the turbine pump, Baski valve, and column pipe and above ground connections
- Verify that the Drilling Contractor provides access to the sounding tubes and gravel feed tubes
- Document the direction and length of discharge pipe, locations of the water flow meters, Rossum sand tester, and sample port

Matrix will provide assistance to the Drilling Contractor and others to connect conveyance piping to the appropriate discharge location during pumping, and to the water source to be used during injection. Matrix anticipates pump development will occur over an approximate 36-hour period. Pump development will

consist of pumping for 45 minutes followed by 15-minutes of “rawhiding” of the pump (moving water in the pump column in/out through the perforations to remove fine material and any remaining drilling fluids (if used) from the gravel pack and formation).

Each pump development cycle will last one hour. Pumping water levels will be measured, and specific capacity calculated at 5, 15, 30, and 45-minute pumping intervals prior to the 15 minutes of rawhiding. Specific capacities will be monitored and compared at the same time intervals to see if the well is developing or has stabilized. If the specific capacities have not stabilized (increasing specific capacity), the following cycle will be at the same discharge rate. If the specific capacity stabilizes, the discharge rate will be increased, and the process repeated. The duration of pump and surge activities will be based on field analysis of Rossum sand content and specific capacity results during testing, as recommended by Matrix and approved by the City. Matrix will monitor liquid levels in the manhole in Ryan Road west of McQueen Road to ensure church sewage does not surcharge. It is estimated that pump and surge well development will take approximately 5 day to complete

Task 2.6 Discharge Testing

Following pump development, Matrix will conduct aquifer testing consisting of a 20-hour step-rate discharge test (five 4-hour steps), a 24-hour constant-rate discharge test, and a 24-hour water level recovery test.

The step-rate discharge test will be used to evaluate well performance and efficiency and to establish the appropriate pumping rate for the subsequent constant-rate discharge test. The constant-rate discharge test will be initiated upon completion of the step-rate test in accordance with project requirements and will be followed immediately by a 24-hour recovery period to assess aquifer response.

Matrix will provide full-time construction management oversight during all pumping and recovery testing activities. Matrix will coordinate with the City and Drilling Contractor to ensure proper installation and operation of discharge piping and associated appurtenances.

Matrix will also monitor liquid levels in the manhole located along Ryan Road west of McQueen Road during discharge operations to confirm that system capacity is not exceeded and to prevent surcharge conditions associated with the adjacent sewer system. If surcharge conditions are observed or anticipated, discharge flow rates will be reduced as necessary.

Task 2.7 Injection Testing

Matrix will conduct a 20-hour (five, 4-hour steps) step-rate injection test. Results of the step-rate injection test will determine the rate for the 24-hour constant-rate injection test. During injection testing, Matrix will provide full time field oversight and will work with the Pump Contractor to measure the level in filter pack in the gravel feed tube in order to keep the at least 40 feet above the bottom of the tube. It is important that the Pump Contractor keep access to the gravel feed tube open and have a mechanism to add more filter pack as needed.

Task 2.8 Final Video and Deviation Surveys

Post-construction surveys will include a final plumbness and alignment (gyro) survey and a down well video survey which will be subcontracted by the Drilling Contractor. Matrix will be onsite to witness the surveys and evaluate the results for compliance with the final As-Built Well Diagram and Technical Specifications

Task 2.9 Well Installation Report

Once well drilling, installation, development, and aquifer testing have been completed, Matrix will prepare a detailed Well Installation Report documenting these activities. A draft version of the report will be submitted to the City for review and comment. The City's comments will be incorporated into the final Well Installation Report. The Well Installation Report will include the following elements:

- Introduction
- Summary of well installation activities
- Surface casing installation
- Pilot borehole drilling and borehole stratigraphy
- Geophysical logging activities and interpretation
- Well construction and well development activities
- Results of the step-rate discharge test, constant-rate discharge test, and water level recovery test
- Results of the step-rate injection test and constant-rate injection test
- Summary of the final gyro and video surveys
- Photo log and field forms
- Recommendations for the optimum pumping rate and pump setting

The Chandler Replacement Well ASR-8R Installation Report will also include figures showing a detailed As-Built Well Diagram of the completed well, geophysical logs in relation to borehole stratigraphy, zonal water quality results, and aquifer testing results. Field forms, photographic logs, and geophysical logs will be included as appendices. Deliverables will include one electronic copy of the draft report and final report.

KEY STAFF

A list of the Matrix Project Team members and their titles is provided in the Chart below.

PERSONNEL	TITLE
Nathan E. Miller	Technical Director III
Harry S. Brenton, RG*	Technical Director III
Roshelle R. Destrampe, RG	Project Manager IV
Kevin J. Miller, RG	Senior Professional I
DeAnn G. Hauver	Senior Professional I
Georgia L. Waters, RG	Project Professional III
Richard F. Uphoff	Technical Specialist V
Gary Lawrence	Technical Specialist III
Joe Lawrence	Technical Specialist I
Blake E. McConnell	Staff Professional IV
Jessica L. Eyrich, RG	Staff Professional III
Samuel J. Kwas	Staff Professional II
Omar Barbot Yambo	Staff Professional II
O. Andrea Wrenn	Staff Professional II

Notes: * Denotes Project Manager & Primary Contact for the Tumbleweed ASR-8 Redrill Project

EXHIBIT "B"
COMPENSATION AND FEES

EXHIBIT "B"
CONSTRUCTION MANAGEMENT
SCOPE OF SERVICES
FEE SCHEDULE

Phase/Task	Description	Cost
1	Existing Well ASR - 8 Abandonment	
1.1	ADWR Permitting and HASP	\$ 5,635.00
1.2	Well Abandonment	\$ 11,392.73
1.3	Well Abandonment Report	\$ 8,738.00
	SUBTOTAL TASK 1:	\$ 25,765.73
2	Replacement Well ASR-8R Drilling, Installation and Testing	
2.1	Project Management and Meetings	\$ 46,315.91
2.2	Surface Casing and Pilot Hole Drilling	\$ 13,437.45
2.3	Borehole Reaming and Well Installation	\$ 20,700.27
2.4	Rig Development (Swab and Airlift)	\$ 22,985.09
2.5	Pump Development (Pump and Surge)	\$ 21,305.63
2.6	Discharge Testing	\$ 19,109.09
2.7	Injection Testing	\$ 19,122.63
2.8	Final Video Deviation Surveys	\$ 3,031.18
2.9	Well Installation Report	\$ 20,060.00
	SUBTOTAL TASK 2:	\$ 186,067.24
ALLOWANCES		
Owner's Allowance		\$ 20,000.00
	SUBTOTAL ALLOWANCES:	\$ 20,000.00
PROJECT TOTAL:		\$ 231,832.97

EXHIBIT C - DETAILED COST ESTIMATE (REV2)

City of Chandler ASR-8R Well Construction Oversight
 Maricopa County, AZ (P26-01051)

PHASE 1 - Existing Well ASR-8 Abandonment				
Task 1.1 - ADWR Permitting and HASP	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	8	hrs	\$ 2,280.00
Project Manager I / Senior Prof. I	\$ 205.00	2	hrs	\$ 410.00
Project Professional IV	\$ 194.00	4	hrs	\$ 776.00
Staff Professional IV	\$ 152.00	12	hrs	\$ 1,824.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
ADWR Permitting	\$ 172.50	2	permit	\$ 345.00
Task 1.1 Subtotal				\$ 5,635.00
Task 1.2 - Well Abandonment	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	16	hrs	\$ 4,560.00
Staff Professional IV	\$ 152.00	8	hrs	\$ 1,216.00
Technical Specialist I	\$ 110.00	50	hrs	\$ 5,500.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	140	mi	\$ 116.73
Task 1.2 Subtotal				\$ 11,392.73
Task 1.3 - Well Abandonment Report	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	12	hrs	\$ 3,420.00
Project Professional II	\$ 173.00	6	hrs	\$ 1,038.00
Technical Specialist V	\$ 158.00	4	hrs	\$ 632.00
Staff Professional IV	\$ 152.00	24	hrs	\$ 3,648.00
Task 1.3 Subtotal				\$ 8,738.00
PHASE 2 - Replacement Well ASR-8R Drilling, Installation, and Testing				
Task 2.1 - Project Management and Meetings	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	130	hrs	\$ 37,050.00
Staff Professional IV	\$ 152.00	60	hrs	\$ 9,120.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	175	mi	\$ 145.91
Task 2.1 Subtotal				\$ 46,315.91

EXHIBIT C - DETAILED COST ESTIMATE (REV2)

City of Chandler ASR-8R Well Construction Oversight
 Maricopa County, AZ (P26-01051)

Task 2.2 - Surface Casing and Pilot Hole Drilling				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	8	hrs	\$ 2,280.00
Project Manager I / Senior Prof. I	\$ 205.00	4	hrs	\$ 820.00
Staff Professional IV	\$ 152.00	52	hrs	\$ 7,904.00
Technical Specialist I	\$ 110.00	20	hrs	\$ 2,200.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	280	mi	\$ 233.45
Task 2.2 Subtotal				\$ 13,437.45
Task 2.3 - Borehole Reaming, Well Installation				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	16	hrs	\$ 4,560.00
Project Manager I / Senior Prof. I	\$ 205.00	10	hrs	\$ 2,050.00
Staff Professional IV	\$ 152.00	53	hrs	\$ 8,056.00
Technical Specialist I	\$ 110.00	53	hrs	\$ 5,830.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	245	mi	\$ 204.27
Task 2.3 Subtotal				\$ 20,700.27
Task 2.4 - Rig Development (Swab and Airlift)				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	24	hrs	\$ 6,840.00
Project Manager I / Senior Prof. I	\$ 205.00	6	hrs	\$ 1,230.00
Staff Professional IV	\$ 152.00	18	hrs	\$ 2,736.00
Technical Specialist III	\$ 131.00	49	hrs	\$ 6,419.00
Technical Specialist I	\$ 110.00	49	hrs	\$ 5,390.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	210	mi	\$ 175.09
<i>Matrix Equipment (units, NO markup)</i>				
Water Level Sounder	\$ 255.00	0	weeks	\$ -
pH/Temp/Conductivity Meter	\$ 195.00	1	weeks	\$ 195.00
Task 2.4 Subtotal				\$ 22,985.09

EXHIBIT C - DETAILED COST ESTIMATE (REV2)

City of Chandler ASR-8R Well Construction Oversight
 Maricopa County, AZ (P26-01051)

Task 2.5 - Pump Development (Pump and Surge)				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	24	hrs	\$ 6,840.00
Project Manager I / Senior Prof. I	\$ 205.00	8	hrs	\$ 1,640.00
Staff Professional IV	\$ 152.00	41	hrs	\$ 6,232.00
Technical Specialist III	\$ 131.00	41	hrs	\$ 5,371.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	315	mi	\$ 262.63
<i>Matrix Equipment (units, NO markup)</i>				
Water Level Sounder	\$ 255.00	1	weeks	\$ 255.00
pH/Temp/Conductivity Meter	\$ 195.00	1	weeks	\$ 195.00
Transducer	\$ 255.00	1	weeks	\$ 255.00
Direct Read Cable	\$ 255.00	1	weeks	\$ 255.00
Task 2.5 Subtotal				\$ 21,305.63
Task 2.6 - Discharge Testing				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	12	hrs	\$ 3,420.00
Project Manager I / Senior Prof. I	\$ 205.00	8	hrs	\$ 1,640.00
Project Professional II	\$ 173.00	8	hrs	\$ 1,384.00
Staff Professional IV	\$ 152.00	50	hrs	\$ 7,600.00
Technical Specialist III	\$ 131.00	30	hrs	\$ 3,930.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	210	mi	\$ 175.09
<i>Matrix Equipment (units, NO markup)</i>				
Water Level Sounder	\$ 255.00	1	weeks	\$ 255.00
pH/Temp/Conductivity Meter	\$ 195.00	1	weeks	\$ 195.00
Transducer	\$ 255.00	1	weeks	\$ 255.00
Direct Read Cable	\$ 255.00	1	weeks	\$ 255.00
Task 2.6 Subtotal				\$ 19,109.09
Task 2.7 - Injection Testing				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	12	hrs	\$ 3,420.00
Project Manager I / Senior Prof. I	\$ 205.00	8	hrs	\$ 1,640.00
Staff Professional IV	\$ 152.00	50	hrs	\$ 7,600.00
Technical Specialist III	\$ 131.00	40	hrs	\$ 5,240.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	315	mi	\$ 262.63
<i>Matrix Equipment (units, NO markup)</i>				
Water Level Sounder	\$ 255.00	1	weeks	\$ 255.00
pH/Temp/Conductivity Meter	\$ 195.00	1	weeks	\$ 195.00
Transducer	\$ 255.00	1	weeks	\$ 255.00
Direct Read Cable	\$ 255.00	1	weeks	\$ 255.00
Task 2.7 Subtotal				\$ 19,122.63

EXHIBIT C - DETAILED COST ESTIMATE (REV2)

City of Chandler ASR-8R Well Construction Oversight
Maricopa County, AZ (P26-01051)

Task 2.8 - Final Video and Deviation Surveys				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	2	hrs	\$ 570.00
Staff Professional IV	\$ 152.00	16	hrs	\$ 2,432.00
<i>Reimbursable Travel Expenses (includes 15% markup)</i>				
Mileage	\$ 0.83	35	mi	\$ 29.18
Task 2.8 Subtotal				\$ 3,031.18
Task 2.9 - Well Installation Report				
	Rate	Quantity	Units	Totals
Technical Director III	\$ 285.00	16	hrs	\$ 4,560.00
Project Professional II	\$ 173.00	12	hrs	\$ 2,076.00
Technical Specialist V	\$ 158.00	8	hrs	\$ 1,264.00
Staff Professional IV	\$ 152.00	80	hrs	\$ 12,160.00
Task 2.9 Subtotal				\$ 20,060.00
COST SUMMARY				Subtotals
PHASE 1 - Existing Well ASR-8 Abandonment				
Task 1.1 - ADWR Permitting and HASP				\$ 5,635.00
Task 1.2 - Well Abandonment				\$ 11,392.73
Task 1.3 - Well Abandonment Report				\$ 8,738.00
Phase 1 Subtotal:				\$ 25,765.73
PHASE 2 - Replacement Well ASR-8R Drilling, Installation, and Testing				
Task 2.1 - Project Management and Meetings				\$ 46,315.91
Task 2.2 - Surface Casing and Pilot Hole Drilling				\$ 13,437.45
Task 2.3 - Borehole Reaming, Well Installation				\$ 20,700.27
Task 2.4 - Rig Development (Swab and Airlift)				\$ 22,985.09
Task 2.5 - Pump Development (Pump and Surge)				\$ 21,305.63
Task 2.6 - Discharge Testing				\$ 19,109.09
Task 2.7 - Injection Testing				\$ 19,122.63
Task 2.8 - Final Video and Deviation Surveys				\$ 3,031.18
Task 2.9 - Well Installation Report				\$ 20,060.00
Phase 2 Subtotal:				\$ 186,067.24
TOTAL (PHASE 1 & PHASE 2):				\$ 211,832.97
OWNERS ALLOWANCE:				\$ 20,000.00
GRAND TOTAL :				\$ 231,832.97

EXHIBIT "C"

INSURANCE REQUIREMENTS

1. General.

- 1.1 At the same time as execution of this Agreement, Consultant must furnish City a certificate of insurance on a standard insurance industry ACORD form. The ACORD form must be issued by an insurance company authorized to transact business in the State of Arizona possessing a current A.M. Best, Inc. rating of A-7, or better and legally authorized to do business in the State of Arizona with policies and forms satisfactory to City. Provided, however, the A.M. Best rating requirement will not be deemed to apply to required Workers' Compensation coverage.
- 1.2 Consultant and any of its subconsultants must procure and maintain, until all of their obligations have been discharged, including any warranty periods under this Agreement are satisfied, the insurances set forth below.
- 1.3 The insurance requirements set forth below are minimum requirements for this Agreement and in no way limit the indemnity covenants contained in this Agreement.
- 1.4 City in no way warrants that the minimum insurance limits contained in this Agreement are sufficient to protect Consultant from liabilities that might arise out of the performance of the Agreement services under this Agreement by Consultant, its agents, representatives, employees, subconsultants, and Consultant is free to purchase any additional insurance as may be determined necessary.
- 1.5 Failure to demand evidence of full compliance with the insurance requirements in this Agreement or failure to identify any insurance deficiency will not relieve Consultant from, nor will it be considered a waiver of its obligation to maintain the required insurance at all times during the performance of this Agreement.
- 1.6 Use of subconsultants: If any work is subcontracted in any way, Consultant must execute a written Agreement with subconsultant containing the same Indemnification Clause and Insurance Requirements as City requires of Consultant in this Agreement. Consultant is responsible for executing the Agreement with the subconsultant and obtaining Certificates of Insurance and verifying the insurance requirements.

2. Minimum Scope and Limits of Insurance. Consultant must provide coverage with limits of liability not less than those stated below.

- 2.1 *Professional Liability.* If the Agreement is the subject of any professional services or work performed by Consultant, or if Consultant engages in any professional services or work adjunct or residual to performing the work under this Agreement, Consultant must maintain Professional Liability insurance covering errors and omissions arising out of the work or services performed by Consultant, or anyone employed by Consultant, or anyone whose acts, mistakes, errors and omissions Consultant is legally liable, with a liability limit of \$1,000,000 each claim and \$2,000,000 all claims. In the event the Professional Liability insurance policy is written on a "claims made" basis, coverage must extend for 3 years past

completion and acceptance of the work or services, and Consultant, or its selected Design Professional will submit Certificates of Insurance as evidence the required coverage is in effect. The Design Professional must annually submit Certificates of Insurance citing that the applicable coverage is in force and contains the required provisions for a 3 year period.

2.2 *Commercial General Liability-Occurrence Form.* Consultant must maintain "occurrence" form Commercial General Liability insurance with a limit of not less than \$2,000,000 for each occurrence, \$4,000,000 aggregate. Said insurance must also include coverage for products and completed operations, independent contractors, personal injury and advertising injury. If any Excess insurance is utilized to fulfill the requirements of this paragraph, the Excess insurance must be "follow form" equal or broader in coverage scope than underlying insurance.

2.3 *Automobile Liability-Any Auto or Owned, Hired and Non-Owned Vehicles Vehicle Liability:* Consultant must maintain Business/Automobile Liability insurance with a limit of \$1,000,000 each accident on Consultant owned, hired, and non-owned vehicles assigned to or used in the performance of Consultant's work or services under this Agreement. If any Excess or Umbrella insurance is utilized to fulfill the requirements of this paragraph, the Excess or Umbrella insurance must be "follow form" equal or broader in coverage scope than underlying insurance.

2.4 *Workers Compensation and Employers Liability Insurance:* Consultant must maintain Workers Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Consultant employees engaged in the performance of work or services under this Agreement and must also maintain Employers' Liability insurance of not less than \$1,000,000 for each accident and \$1,000,000 disease for each employee.

3. Additional Policy Provisions Required.

3.1 *Self-Insured Retentions or Deductibles.* Any self-insured retentions and deductibles must be declared and approved by City. If not approved, City may require that the insurer reduce or eliminate any deductible or self-insured retentions with respect to City, its officers, officials, agents, employees, and volunteers.

3.1.1. Consultant's insurance must contain broad form contractual liability coverage.

3.1.2. Consultant's insurance coverage must be primary insurance with respect to City, its officers, officials, agents, and employees. Any insurance or self-insurance maintained by City, its officers, officials, agents, and employees will be in excess of the coverage provided by Consultant and must not contribute to it.

3.1.3. Consultant's insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

3.1.4. Coverage provided by Consultant must not be limited to the liability assumed under the indemnification provisions of this Agreement.

- 3.1.5. The policies must contain a severability of interest clause and waiver of subrogation against City, its officers, officials, agents, and employees, for losses arising from Work performed by Consultant for City. (Does not apply to Professional Liability coverage.)
- 3.1.6. Consultant, its successors and or assigns, are required to maintain Commercial General Liability insurance as specified in this Agreement for a minimum period of 3 years following completion and acceptance of the Work. Consultant must submit a Certificate of Insurance evidencing Commercial General Liability insurance during this 3-year period containing all the Agreement insurance requirements, including naming City of Chandler, its agents, representatives, officers, directors, officials and employees as Additional Insured as required.
- 3.1.7. If a Certificate of Insurance is submitted as verification of coverage, City will reasonably rely upon the Certificate of Insurance as evidence of coverage, but this acceptance and reliance will not waive or alter in any way the insurance requirements or obligations of this Agreement.

3.2. *Insurance Cancellation During Term of Agreement.*

- 3.2.1. If any of the required policies expire during the life of this Agreement, Consultant must forward renewal or replacement Certificates to City within 10 days after the renewal date containing all the required insurance provisions.
- 3.2.2. Each insurance policy required by the insurance provisions of this Agreement must provide the required coverage and must not be suspended, voided or canceled except after thirty (30) days prior written notice has been given to City, except when cancellation is for non-payment of premium, then ten (10) days prior notice may be given. Such notice must be sent directly to Chandler Law-Risk Management Department, Post Office Box 4008, Mailstop 628, Chandler, Arizona 85225. If any insurance company refuses to provide the required notice, Consultant or its insurance broker must notify City of any cancellation, suspension, non-renewal of any insurance within seven (7) days of receipt of insurers' notification to that effect.

3.3 *City as Additional Insured.* The policies are to contain, or be endorsed to contain, the following provisions:

- 3.3.1. The Commercial General Liability and Automobile Liability policies are to contain, or be endorsed to contain, the following provisions: City, its officers, officials, agents, and employees are additional insureds with respect to liability arising out of activities performed by, or on behalf of, Consultant; Products and Completed operations of Consultant; and automobiles owned, leased, hired, or borrowed by Consultant.
- 3.3.2. City, its officers, officials, agents, and employees must be additional insureds to the full limits of liability purchased by Consultant even if those limits of liability are in excess of those required by this Agreement.

EXHIBIT "D"

SPECIAL CONDITIONS

1. Contract Worker Access Controls, Badge and Key Access Requirements. A Contract Worker from Consultant's firm must not be allowed to begin work in any City facility without: (A) The prior completion and City's acceptance of the required background screening; and (8) when required, the Contract Worker's receipt of a City issued badge. A badge will be issued to a Contract Worker solely for access to City facility(s) to which the Contract Worker is assigned. Each Contract Worker who enters a City facility must use the badge issued to the Contract Worker.
2. **Badges.** After receipt of the badge application, the Contract Worker will proceed to the Badging Office for processing of the badge application and issuance of the badge. City will not process the badge application until the Contract Worker satisfies the required Background Screening (as defined herein). The Contract Worker must comply with all requirements and furnish all requested information as requested by the Badging Office. Any and all fees associated with security badging will be assessed in compliance with Chandler City Code §4-22.
3. **Key Access Procedures.** If the Contract Worker's services require keyed access to enter a City facility(s), a separate key issue/return form must be completed and submitted by Consultant for each key issued.
4. **Stolen or Lost Badges or Keys.** Consultant must report lost or stolen badges or keys to City immediately. A new badge application or key issue form must be completed and submitted along with payment of the applicable fees prior to issuance of a new badge or key.
5. **Return of Badges or Keys.** All badges and keys are the property of City and must be returned to City at the Badging Office within one (1) business day of when the Contract Worker's access to a City facility is no longer required to furnish the services under this Agreement. Consultant must collect a Contract Worker's badge and key(s) upon the termination of the Contract Worker's employment; when the Contract Worker's services are no longer required at the particular City facility(s); or upon termination, cancellation or expiration of this Agreement.
6. **Consultant's default under this Section must include, but is not limited to the following:** (1) Contract Worker gains access to a City facility(s) without the proper badge or key; (2) Contract Worker uses a badge or key of another to gain access to a City facility; (3) Contract Worker commences services under this Agreement without the proper badge, key or Background Screening; (4) Contract Worker or Consultant submits false information or negligently submits wrong information to City to obtain a badge, key or applicable Background Screening; or (5) Consultant fails to collect and timely return Contract Worker's badge or key upon termination of Contract Worker's employment, reassignment of Contract Worker to another City facility or upon the expiration, cancellation or termination of this Agreement. Consultant acknowledges and agrees that the access control, badge and key requirements in this Section are necessary to preserve and protect public health, safety and welfare. Accordingly, Consultant agrees to properly cure any default under this Section within three (3) business days from the date notice of default is

sent by City. The parties agree that Consultant's failure to properly cure any default under this Section must constitute a breach of this Section. In addition to any other remedy available to City at law or in equity, Consultant must be liable for and must pay to City the sum of one thousand dollars (\$1,000.00) for each breach by Consultant of this Section. The parties further agree that the sum fixed above is reasonable and approximates the actual or anticipated loss to City at the time and making of this Agreement in the event that Consultant breaches this Section. Further, the parties expressly acknowledge and agree to the fixed sum set forth above because of the difficulty of proving City's actual damages in the event that Consultant breaches this Section. The parties further agree that three (3) breaches by Consultant of this Section arising out of any default within a consecutive period of three (3) months or three (3) breaches by Consultant of this Section arising out of the same default within a period of twelve (12) consecutive months will constitute a material breach of this Agreement by Consultant and City expressly reserves all of its rights, remedies and interests under this Agreement, at law and in equity including, but not limited to, termination of this Agreement.

EXHIBIT "E"
SUBCONSULTANT DOCUMENTS WITH CONSULTANT

Any subconsultant assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the Consultant and their subconsultants, and do not apply to the Agreement between the Consultant and the City.

N/A

EXHIBIT "F"
FEDERAL REQUIREMENTS

N/A